PAVING IMPROVEMENTS

to serve

AREA 151 PHASE 2

CITY OF WICHITA, KANSAS

Paul Gunzelman, P.E. City Engineer

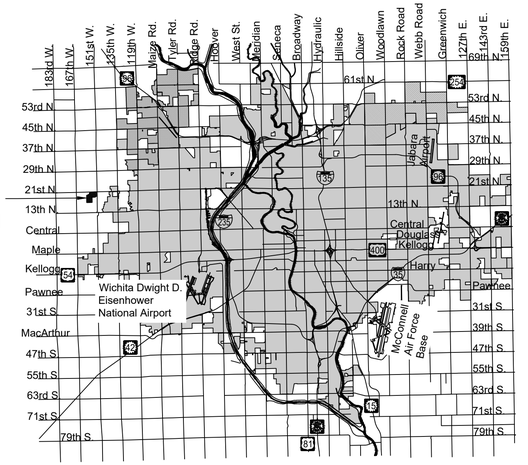
Interior Paving
Project Number: 472-2023-085908
Org Code Number: 47481225
Munis Number: E5182

21st Street North Turn Lanes
Project Number: 472-2023-085909
Org Code Number: 47481425
Munis Number: E5194

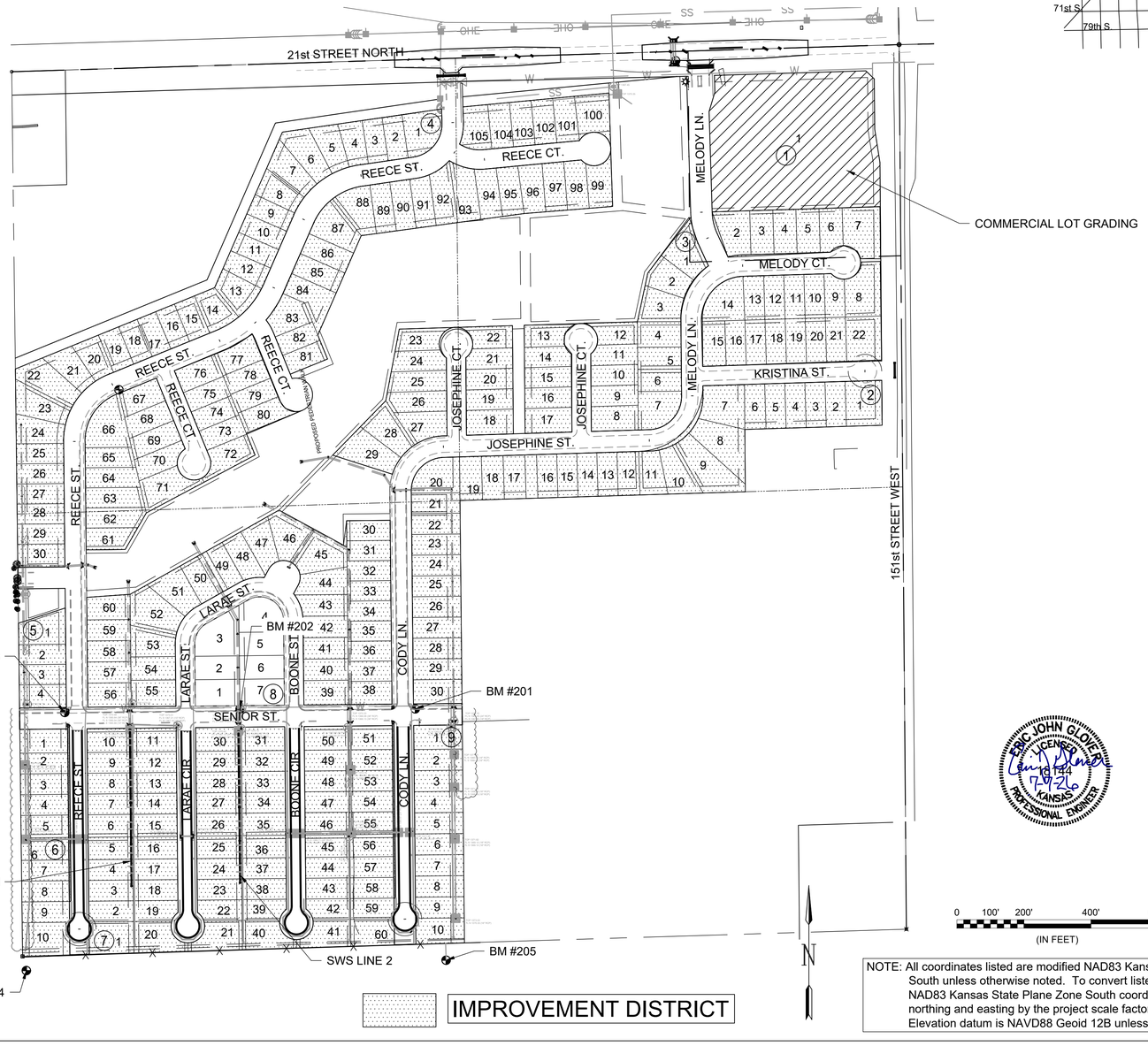
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PROJECT LOCATION



Vicinity Map



Benchmarks

CONTROL POINTS / BENCH MARKS

CONTROL POINT #201: PLUS CUT ON TOP OF CURB AT THE EAST CURB RETURN AT THE NORTHEAST CORNER OF CODY LN AND SENIOR ST,
ELEVATION = 1372.50 (NAVD88, G18)

CONTROL POINT #202: PLUS CUT AT NORTHEAST CORNER OF CURB INLET ON NORTH SIDE OF SENIOR ST, MIDWAY BETWEEN LARAE ST AND BOONE ST,
ELEVATION = 1372.26 (NAVD88, G18)

CONTROL POINT #203: PLUS CUT ON TOP OF CURB AT THE WEST CURB RETURN AT THE NORTHWEST CORNER OF REECE ST AND SENIOR ST,
ELEVATION = 1373.21 (NAVD88, G18)

CONTROL POINT #204: PLUS CUT ON TOP OF CURB ON BASE OF HIGH LINE ELECTRIC POLE, 10 FEET EAST AND 43 FEET SOUTH OF THE SOUTHWEST CORNER OF LOT 10, BLOCK 6, AREA 151,
ELEVATION = 1377.75 (NAVD88, G18)

CONTROL POINT #205: PLUS CUT ON TOP OF CURB ON BASE OF HIGH LINE ELECTRIC POLE, 56 FEET WEST AND 50 FEET SOUTH OF THE SOUTHEAST CORNER OF LOT 10, BLOCK 9, AREA 151,
ELEVATION = 1377.69 (NAVD88, G18)

EARTHWORK QUANTITIES	
Description	Cu. Yds.
Cut	2394
Fill	1110
Net (Cut)	1284

ERIC JOHN GLOVER LICENSED 18144 7-9-26 KANSAS PROFESSIONAL ENGINEER

NOTE: All coordinates listed are modified NAD83 Kansas State Plane Zone South unless otherwise noted. To convert listed coordinates to NAD83 Kansas State Plane Zone South coordinates multiply the northing and easting by the project scale factor of 0.99994194. Elevation datum is NAVD88 Geoid 12B unless otherwise noted.

JULY 2026

PLANS PREPARED BY

GARVER
1995 Midfield Road
Wichita, KS 67209
(316) 264-8008
www.GarverUSA.com
Project No. 2501905

GENERAL NOTES:

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.

2. Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

   The Contractor must notify the following in case of an emergency:

AT&T	1-800-246-8464
Black Hills Energy	1-800-694-8989
City of Wichita Water & Sewer Dept.	1-316-219-8921
City of Wichita Stormwater	1-316-268-4090
City of Wichita Traffic	1-316-268-4034
Cox Communications	1-888-249-3530
Evergy	1-800-544-4857
IDEATEK TELECOM	1-620-543-5560
ONEOK	1-888-482-4950
Sedgwick County Electric Cooperative	1-866-542-4732

3. Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the Right-of-Way which do not conflict with proposed construction.

4. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.

5. Trees and shrubs in public Right-of-Way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

6. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

7. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

8. The Water Distribution Division shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by the Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match field grades.

9. If traffic is impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibility.

10. All elevations shown are NAVD 88.

11. All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

12. All existing pavement and curb and gutter within the construction limits shall be saw cut, full depth, to the lines shown on the plans, or to the nearest joint, and removed, unless otherwise noted. If removal limits are within three feet of a joint, remove to the joint.

13. All traffic control devices in the work zone (including markings and signs) and their installation and maintenance shall comply with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All traffic control devices in the traveled way or clear zone shall be crashworthy (NCHRP Report 350 or MASH compliant).

    http://safety.fhwa.dot.gov/roadway dept/policy guide/road hardware/wzd

14. All construction equipment, including vehicles, materials, and debris, shall be stored outside of the clear zone. Where this cannot be achieved the contractor shall place appropriate signs, abject identifiers, and/or barricades in compliance with the MUTCD.

15. Except when required for safety, traffic control shall not block any lanes or sidewalks when work is not being performed.

16. No shrink or swell factors have been applied to the earthwork quantities shown on this project. All earthwork quantities are based on raw surface volume comparisons.

17. Subdivision Benchmark - (1 flat survey marker No. 8134-08 3" top diameter) in top of curb adjacent to each Fire Hydrant. Cost shall be incidental to L.F. Concrete C&G, Comb. Type 2 (3 5/8").

18. All street ROW and Reserves shall be permanent seeding, all other areas may be temporary seeding. See attached Seeding Sheet No.40 Permanent Seeding = Cool Season Grass, Temp. Seeding = Per Detail

19. Contractor to adjust ALL Water Valve Boxes to match final grade. Paid for in the Bid Item "Adjust Valve Box Elevation, Each."

20. Developer: Ryan Nett (316) 300-1916 ryan@netcoremodeling.com

File: L:\2025\T41-2501905 - Area 151 Ph 2\Drawings_PAVING SHEETS\Public-Private Paving Details.dwg Last Save: 7/7/2026 4:04 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:46 PM Plotter used: None

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

GENERAL NOTES

JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 2 OF 49

CODY LN

BOONE CIR

LARAE CIR

REESE ST

SENIOR

SENIOR

SENIOR

ALL CONCRETE RUBBLE SHALL BE REMOVED FROM SITE AND SHALL BE CONSIDERED SUBSIDIARY TO "SITE CLEARING"









CONTRACTOR SHALL REMOVE & DISPOSE OF ALL CONCRETE WASHOUT MATERIAL FROM BOTH SIDES OF INTERSECTIONS. CARE SHALL BE TAKEN AS TO NOT DAMAGE EXISTING PAVEMENT OR EXISTING CURB & GUTTER. IF DAMAGE OCCURS TO EITHER CURB & GUTTER OR PAVEMENT, CONTRACTOR SHALL BE REQUIRED TO REPLACE DAMAGED PORTIONS. COST OF REMOVAL SHALL BE SUBSIDIARY TO "SITE CLEARING". COST OF REPLACEMENT SHALL BE PAID BY OVERRUN OF BID ITEMS FOR CURB & GUTTER AND PAVEMENT.

N

0 25' 50' 100' 150'

(IN FEET)

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

DEMOLITION PLAN

JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

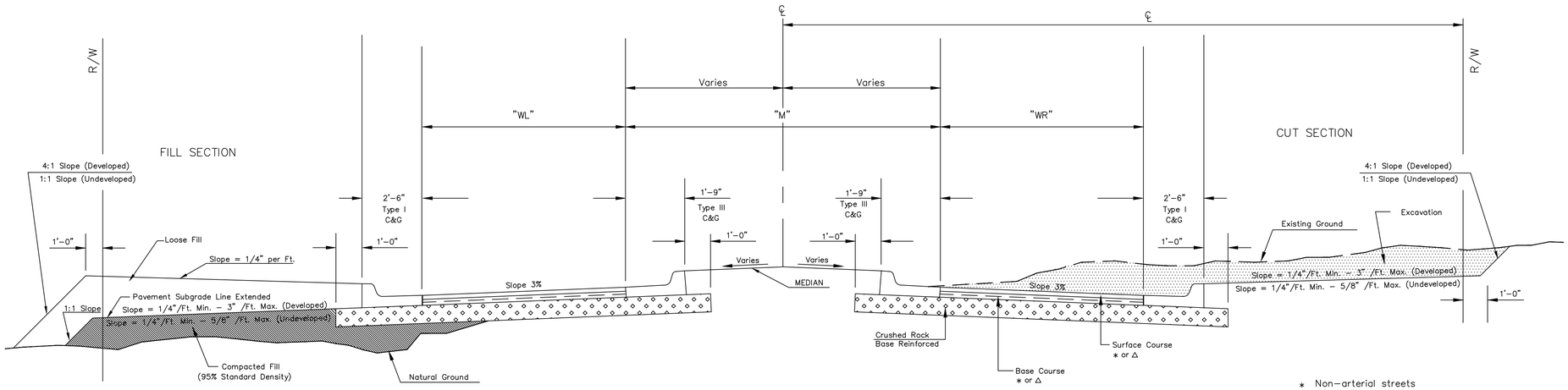
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 3 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.585 Plot Date: 7/7/2026 4:46 PM Plotter used: None

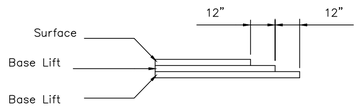
TYPICAL SECTION



* Non–arterial streets
BC–1, SC–1 AND PG 64–22

Δ Arterial streets
BM–2 PG 64–22(Base) PG 70–28(Surface)

Base Course thicker than 4" shall be installed in two lifts



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavement at locations where pavement joins existing flexible base pavement as show by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards of pavement.

GENERAL NOTES

Fabric base reinforcement shall be an approved grid. Fabric base reinforcement shall be installed in accordance with manufacturer's recommendations. Crushed rock shall be uniformly graded from 1 – $\frac{1}{2}$" maximum size to not more than 10% passing a No. 200 sieve. Rock quality shall be the same as specified for coarse aggregate for concrete mixes.

Rock base is to be compacted and smoothed with a steel faced roller prior to placement of asphalt. Tack coat will not be applied to rock base.

A tack coat of emulsified asphalt (SC–1H or CSS–1H) shall be applied to an approximate rate of 0.05 gallons per square yard between each lifts of asphaltic material.

Bituminous base and asphaltic concrete wearing surface shall be placed with a laydown machine having automatic controls for line and grade.

Construction joints in each lift shall be staggered a minimum distance of one (1) foot from joints in preceding lifts and placed so that a join will be constructed on the centerline of the top lift.

The asphaltic concrete pavement between the combined curb and gutter shall be paid as square yards of of pavement.

STREET NAME	"WL"	"M"	"WR"	STATION	CENTER LINE	ROW DIMENSION	MEDIAN DESCRIPTION	SLOPE	ROCK THICKNESS	PAVEMENT THICKNESS	COMMENTS
Reece St.	12'	-	12'	ALL	29'	58'	NONE	3%	5"	5"	
Larae Cir.	12'	-	12'	ALL	29'	58'	NONE	3%	5"	5"	
Boone Cir.	12'	-	12'	ALL	29'	58'	NONE	3%	5"	5"	
Cody Ln.	15'	-	15'	ALL	35'	64'	NONE	3%	5"	5"	

REVISED: OCTOBER 2015

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

ASPHALT PAVING DETAIL

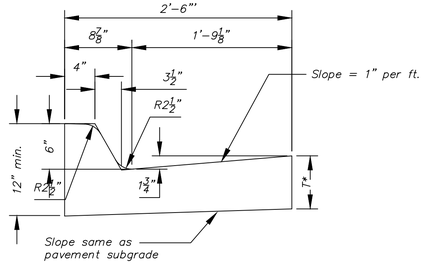
CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	

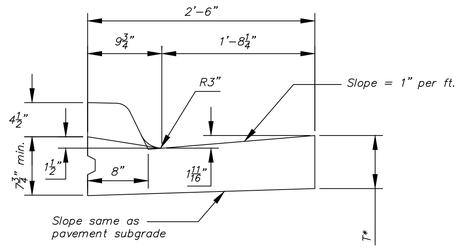
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 4 / 49

TYPE 1
(Arterial curb)

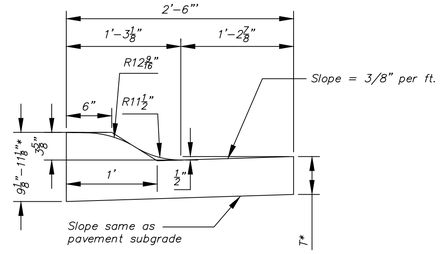


Combined Curb & Gutter (6")

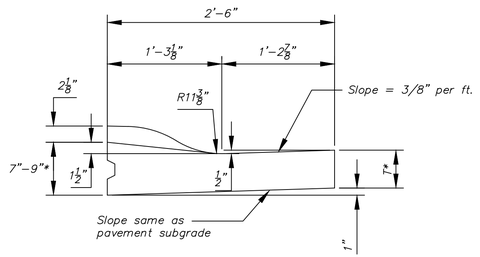


Combined Curb & Gutter (1 1/2")

TYPE 2
(Roll curb)

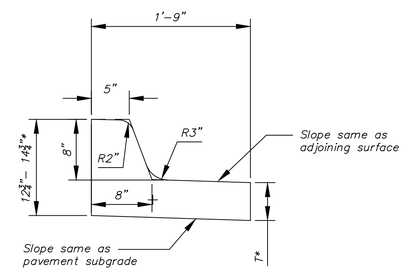


Combined Curb & Gutter (3 5/8")

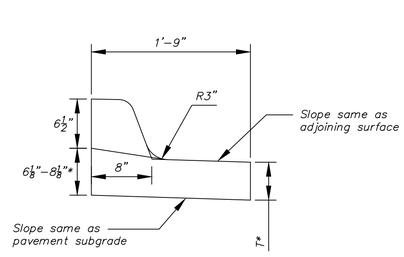


Combined Curb & Gutter (1 1/2")

TYPE 3
(Median curb)

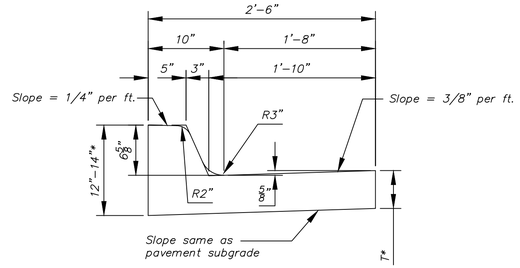


Combined Curb & Gutter (8")

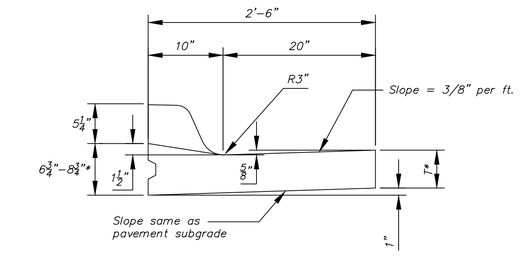


Combined Curb & Gutter (1 1/2")

TYPE 4
(Residential curb)

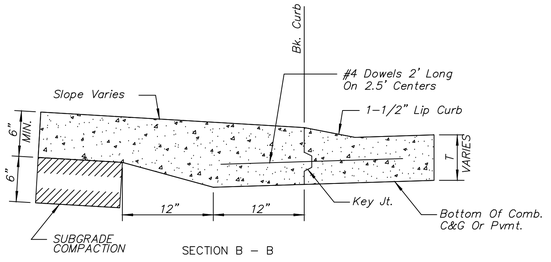


Combined Curb & Gutter (6 5/8")

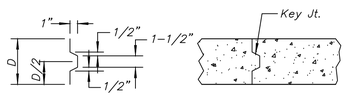


Combined Curb & Gutter (1 1/2")

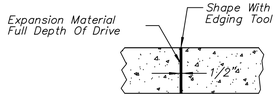
T* = Thickness of curb to adjust with pavement thickness



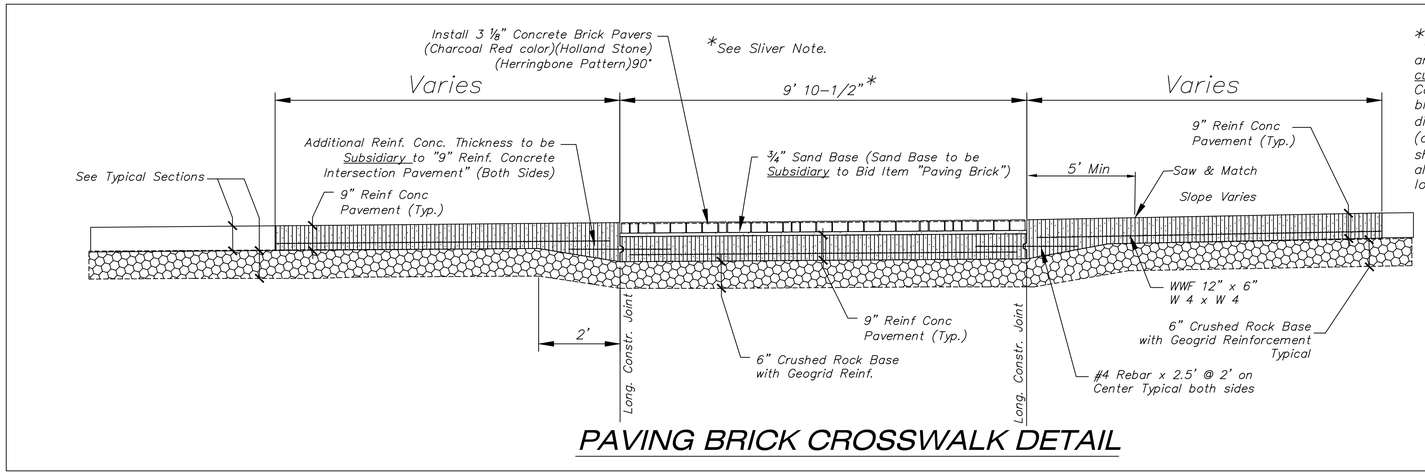
BACK OF CURB DETAIL



ALT. LONGITUDINAL CONSTRUCTION JOINT



EXPANSION JOINT (E.J.)



PAVING BRICK CROSSWALK DETAIL

*Brick Pavers to be installed in crosswalk and/or median locations shall be custom cut to match final concrete dimensions. Contractor shall construct crosswalk blockouts to match nominal paver width dimensions. Fill in with "brick slivers" (defined as pieces smaller than 1/2 of the shortest paver dimension) shall not be allowed, except at the end of crosswalk locations.

GENERAL NOTES

1. Expansion (isolation) joints shall be constructed a maximum of 300' apart and at all PIs, PCs, cul–de–sac quadrants, and ends of returns.

2. Contraction joints shall be constructed a minimum of 12' apart.

3. Joint sealer shall be required at all joints on arterial and industrial streets and at intersections on residential streets.

REVISED: OCTOBER 2015

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

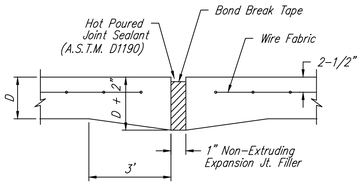
CURB & GUTTER & PAVING BRICK CROSSWALK DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	

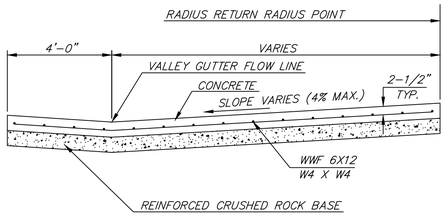
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

PV–101

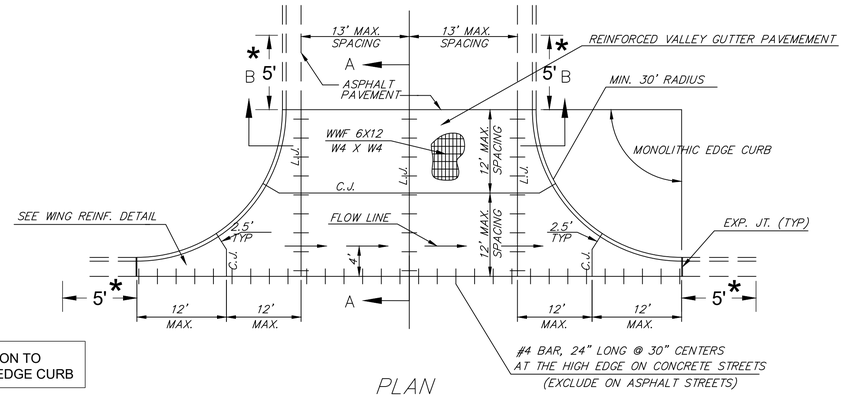


EXPANSION JOINT

NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement

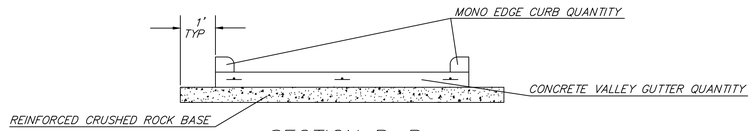


SECTION A–A

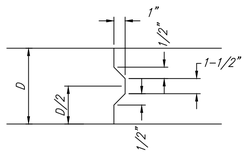


* 5'-0" TRANSITION TO MONOLITHIC EDGE CURB

PLAN

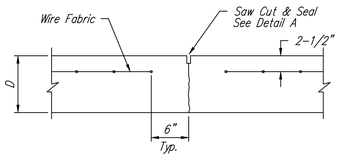


SECTION B–B

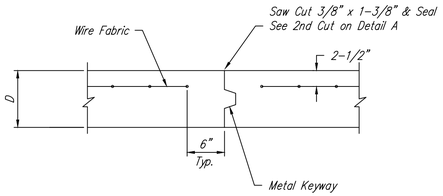


KEYWAY DETAIL

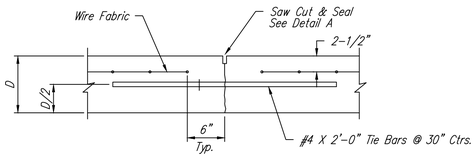
REINFORCED VALLEY GUTTER DETAIL



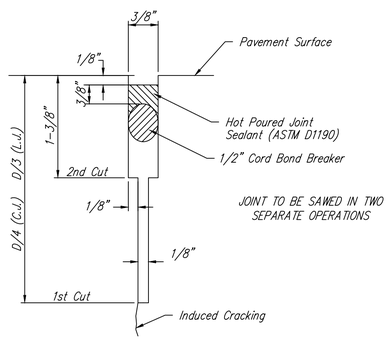
CONTRACTION JOINT DETAIL (C.J.)



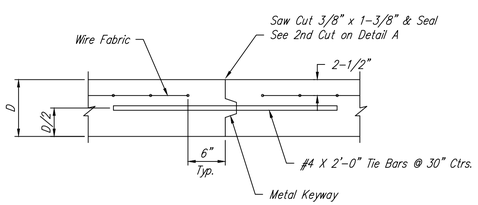
OPTIONAL CONTRACTION JOINT



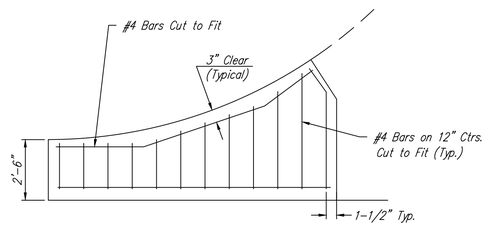
LONGITUDINAL JOINT DETAIL (L.J.)



SAW JOINT DETAIL
(DETAIL A)



OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.)



WING REINFORCING DETAIL

REVISION MAY 2017 | SECTION B–B, ROCK EXTENDED ONE FOOT BEYOND PAVEMENT

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

VALLEY GUTTER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

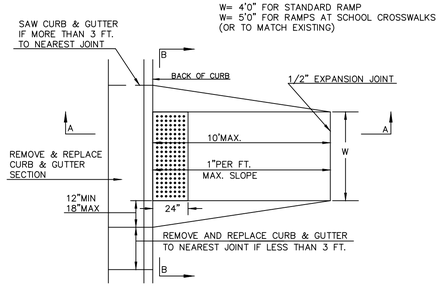
PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	

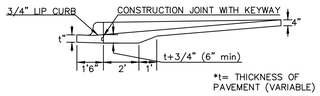
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 6 / 49

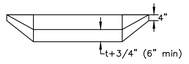
PV–109

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER (TYPE A)



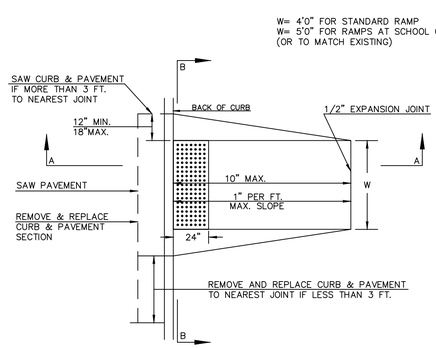


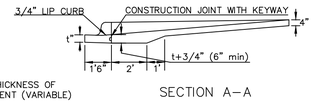
SECTION A–A



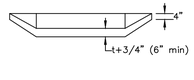
SECTION B–B

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR CONCRETE STREETS WITH MONOLITHIC CURB (TYPE A)



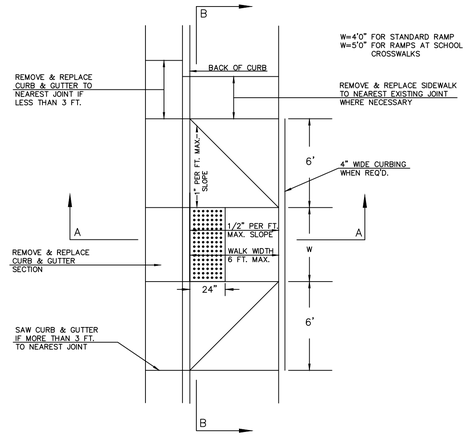


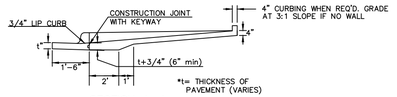
SECTION A–A



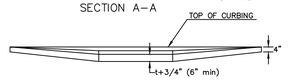
SECTION B–B

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER AND FULL WALK (TYPE B)



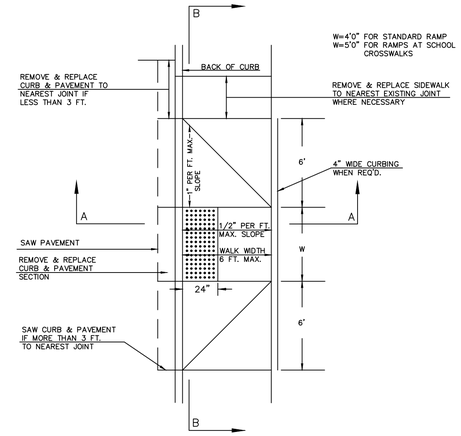


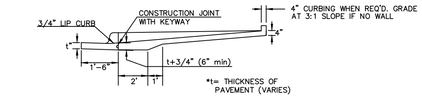
SECTION A–A



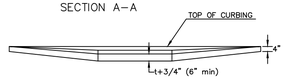
SECTION B–B

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH MONOLITHIC CURB AND FULL WALK (TYPE B)



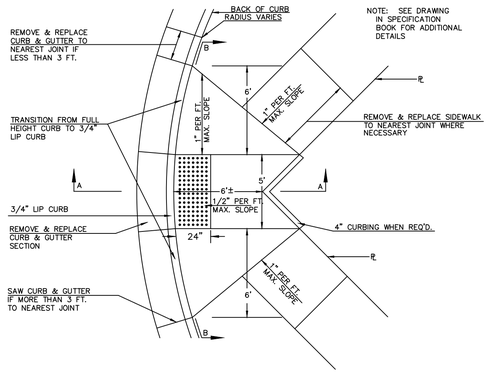


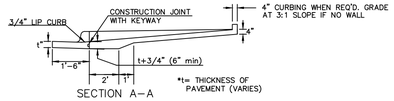
SECTION A–A



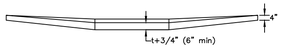
SECTION B–B

STANDARD WHEELCHAIR RAMP CONSTRUCTION DEAIL FOR STREET WITH COMBINED CURB AND GUTTER ON RADIUS WITH 6'± FROM BACK OF CURB TO PROPERTY CORNER (TYPE C)



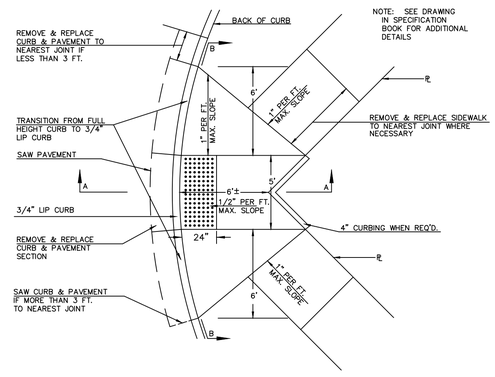


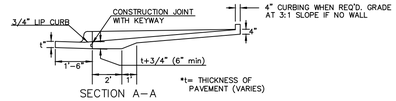
SECTION A–A



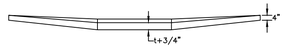
SECTION B–B

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREET WITH MONOLITHIC CURB ON RADIUS WITH 6'± FROM BACK OF CURB TO PROPERTY CORNER (TYPE C)



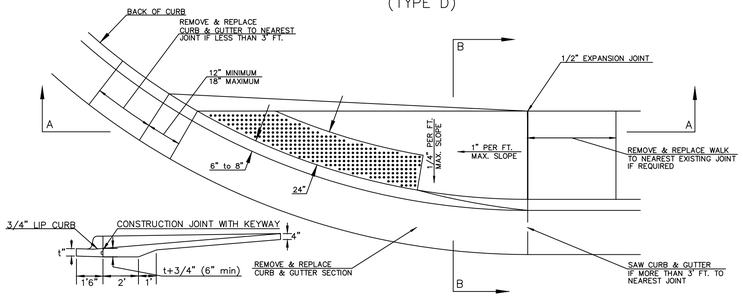


SECTION A–A



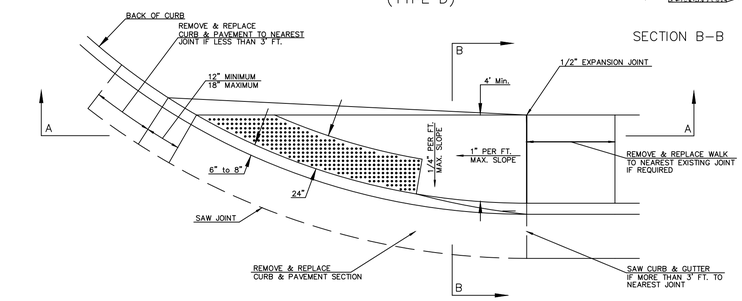
SECTION B–B

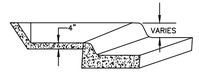
STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH COMBINED CURB & GUTTER WITH ONE FULL SIDEWALK (TYPE D)



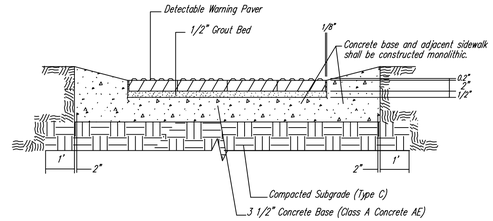
SECTION A–A

STANDARD WHEELCHAIR RAMP CONSTRUCTION DETAIL FOR STREETS WITH MONOLITHIC CURB WITH ONE FULL SIDEWALK (TYPE D)





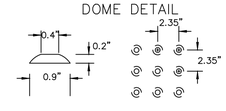
SECTION B–B



TYPICAL SECTION DETECTABLE WARNING PAVER SECTION A–A

NOTE: HANOVER DETECTABLE WARNING PAVERS (OR AN APPROVED ALTERNATE) SHALL BE USED IN ALL WHEELCHAIR RAMPS. THE 11 3/4" "RED 15" PAVER SHALL BE USED IN ALL APPLICATIONS.
HANOVER ARCHITECTURAL PRODUCTS
240 BENDER ROAD
HANOVER, PA 17331
1-717-637-0500
www.hanoverpovers.com

DOME DETAIL



CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

WHEELCHAIR RAMP DETAILS WITH DETECTABLE WARNING

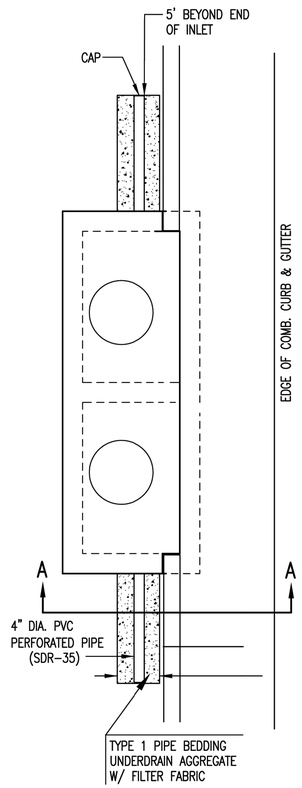
CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	

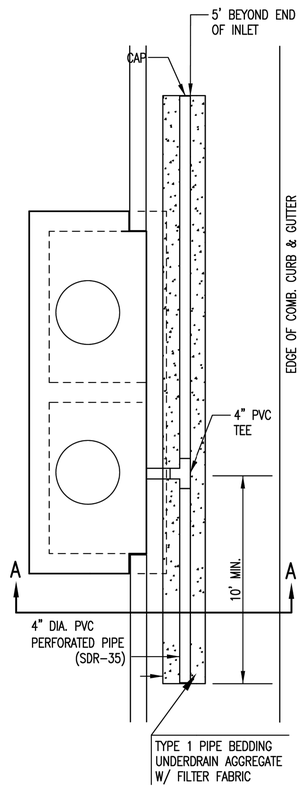
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 7

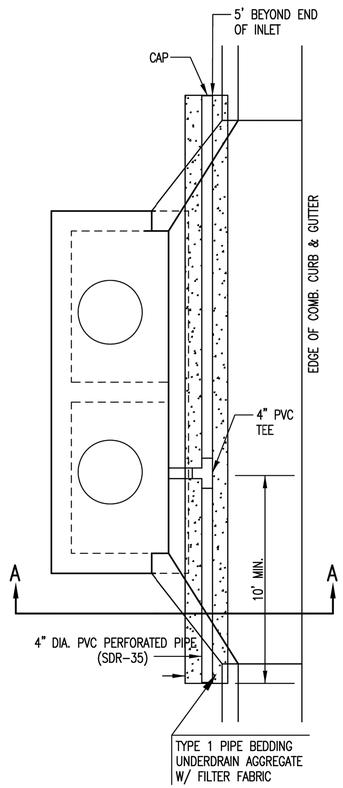
PAVEMENT UNDERDRAIN SHALL BE INSTALLED ON ALL CURB INLETS.



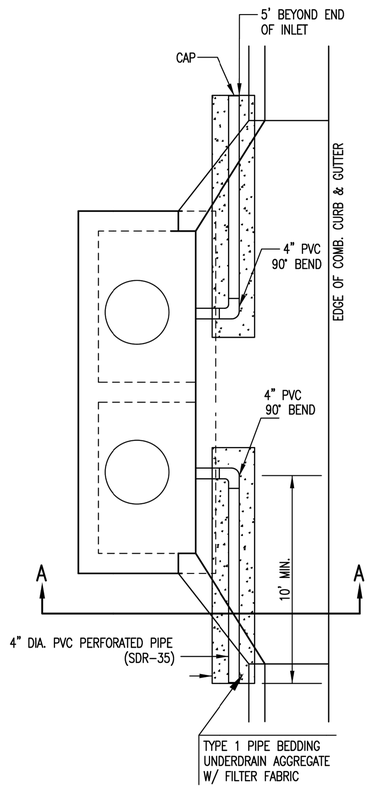
TYPE 1
OPTION 1



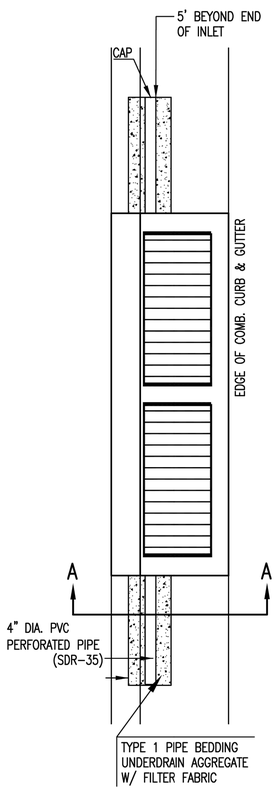
TYPE 1
OPTION 2



TYPE 1-A INLET
OPTION 1

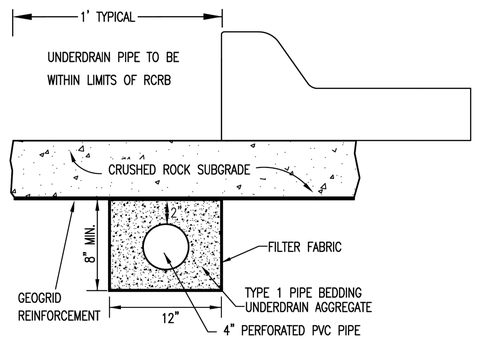


TYPE 1-A INLET
OPTION 2

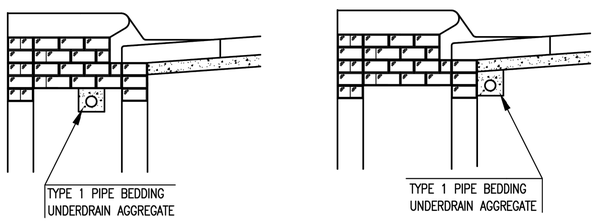


TYPE 2

DRIVEWAY INLET

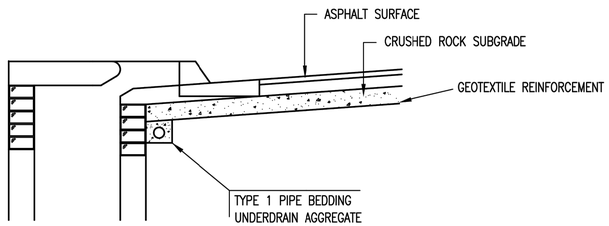


SECTION A-A (TYPICAL)



(MIN. 16 PERFORATIONS PER LIN. FT. @ 1/4" DIA.)
PERFORATIONS TO BE ON BOTTOM HALF

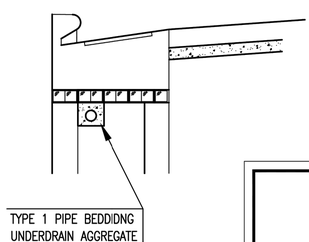
SECTION A-A



SECTION A-A

PAVEMENT UNDERDRAIN DETAIL

BID ITEM TO BE PROVIDED PER 4" PERFORATED UNDERDRAIN PIPE.



SECTION A-A

GENERAL NOTES

1. PAVEMENT CONTRACTOR WILL BE REQUIRED TO INSTALL SDR 35, 4" PERFORATED DRAIN PIPE AND TEE AS INDICATED IN THE DETAILS.
2. WHEN SWS CONSTRUCTED BY SEPARATE PROJECT, SWS CONTRACTOR SHALL INSTALL SDR 35, 4" DRAIN PIPE STUB ONLY THROUGH WALLS OF CURB INLETS AND CAP TO ALLOW FUTURE CONNECTION OF TEE AND ADDITIONAL DRAIN PIPE BY OTHERS.
2. UNDERDRAIN PIPE SHALL BE PAID AS A MEASURED QUANTITY BY THE LINEAL FOOT.

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

CURB INLET
PAVEMENT UNDERDRAIN
DETAIL

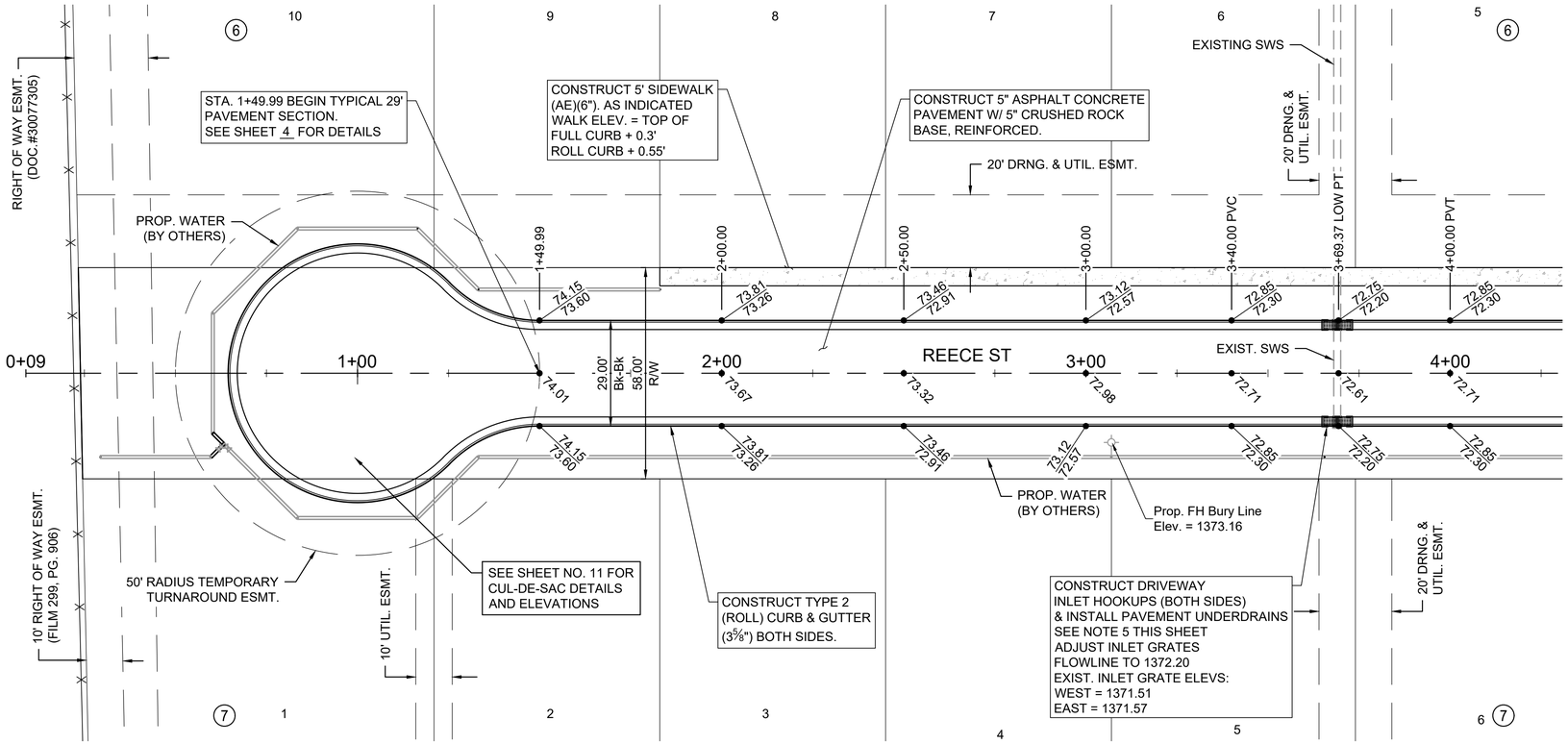
CITY ENGINEER
GARY JANZEN, P.E.

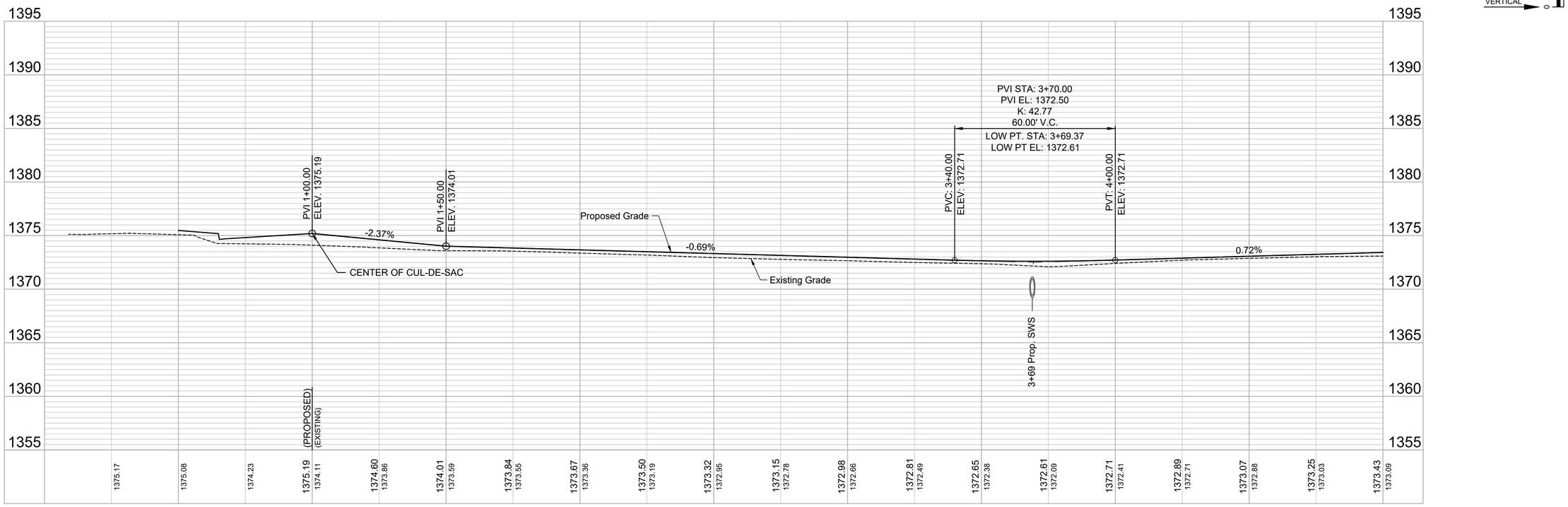
PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	10/2012

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 8 / 49

SW-111





Notes:

1. All sidewalks shall have 2% cross-slope per ADA requirements.
2. Curb grades indicated on this sheet are Full Height 6 5/8" (0.55') Curb Grades. Roll Curb 3 5/8" (0.30') shall be constructed on this project unless otherwise noted.
3. Outside edge of sidewalk shall be 0.30' above Full Height Curb Grades.
4. Add 1300.00 to all elevations shown to obtain actual elevations.
5. For installation of Pavement Underdrains Contractor will be required to core drill the existing driveway inlets. All costs associated with this installation shall be considered subsidiary to the bid item "Pavement Underdrains."

0 10' 20' 40' 60'
(IN FEET)

VERTICAL 0 5'

GARVER
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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

REECE ST
(1 of 2)

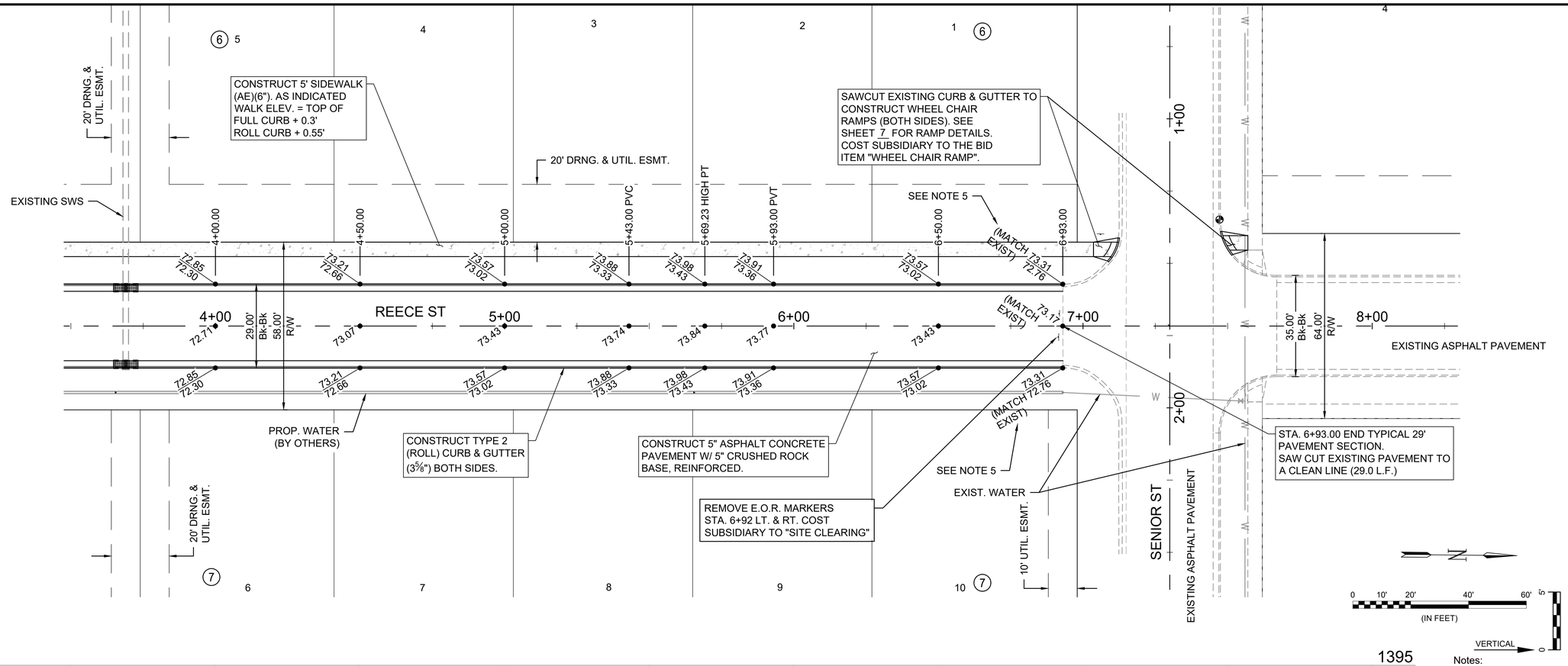
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

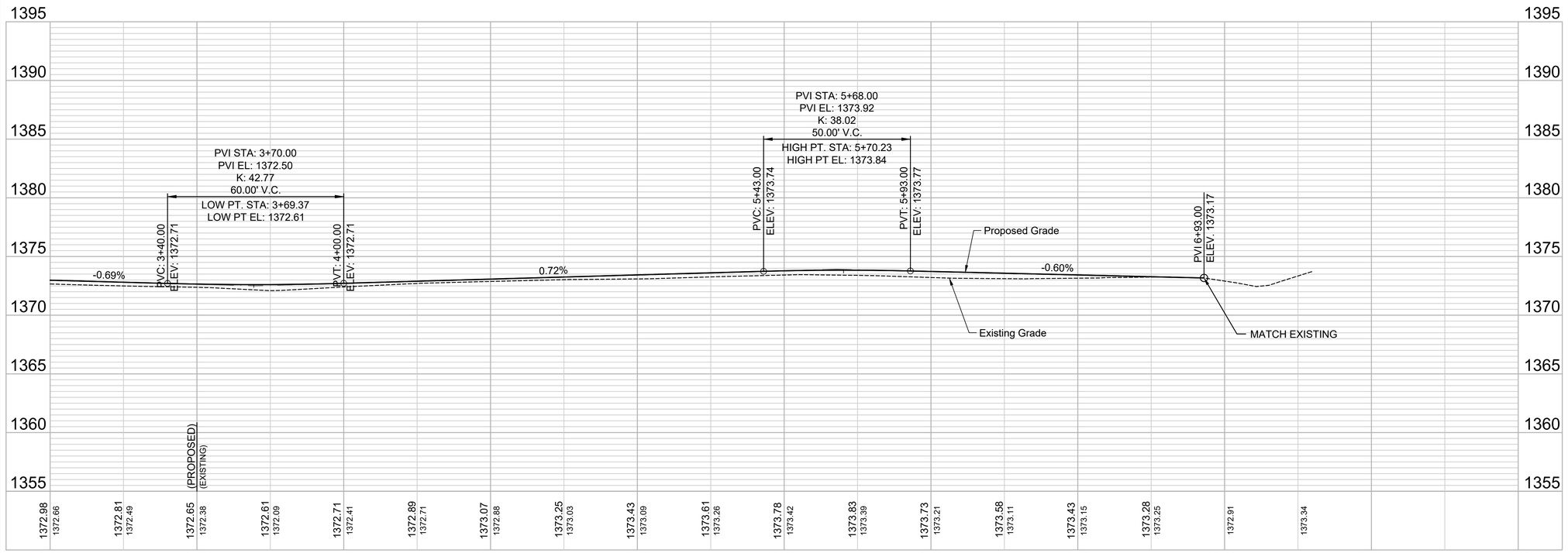
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 9 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:47 PM Plotter used: None





Notes:

1. All sidewalks shall have 2% cross-slope per ADA requirements.
2. Curb grades indicated on this sheet are Full Height 6 ⅝" (0.55') Curb Grades. Roll Curb 3 ⅝" (0.30') shall be constructed on this project unless otherwise noted.
3. Outside edge of sidewalk shall be 0.30' above Full Height Curb Grades.
4. Add 1300.00 to all elevations shown to obtain actual elevations.
5. These grades are from records of previous phase. Curbs were buried under concrete washout. Contractor to verify existing grades and match.

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

REV	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

REECE ST
(2 of 2)

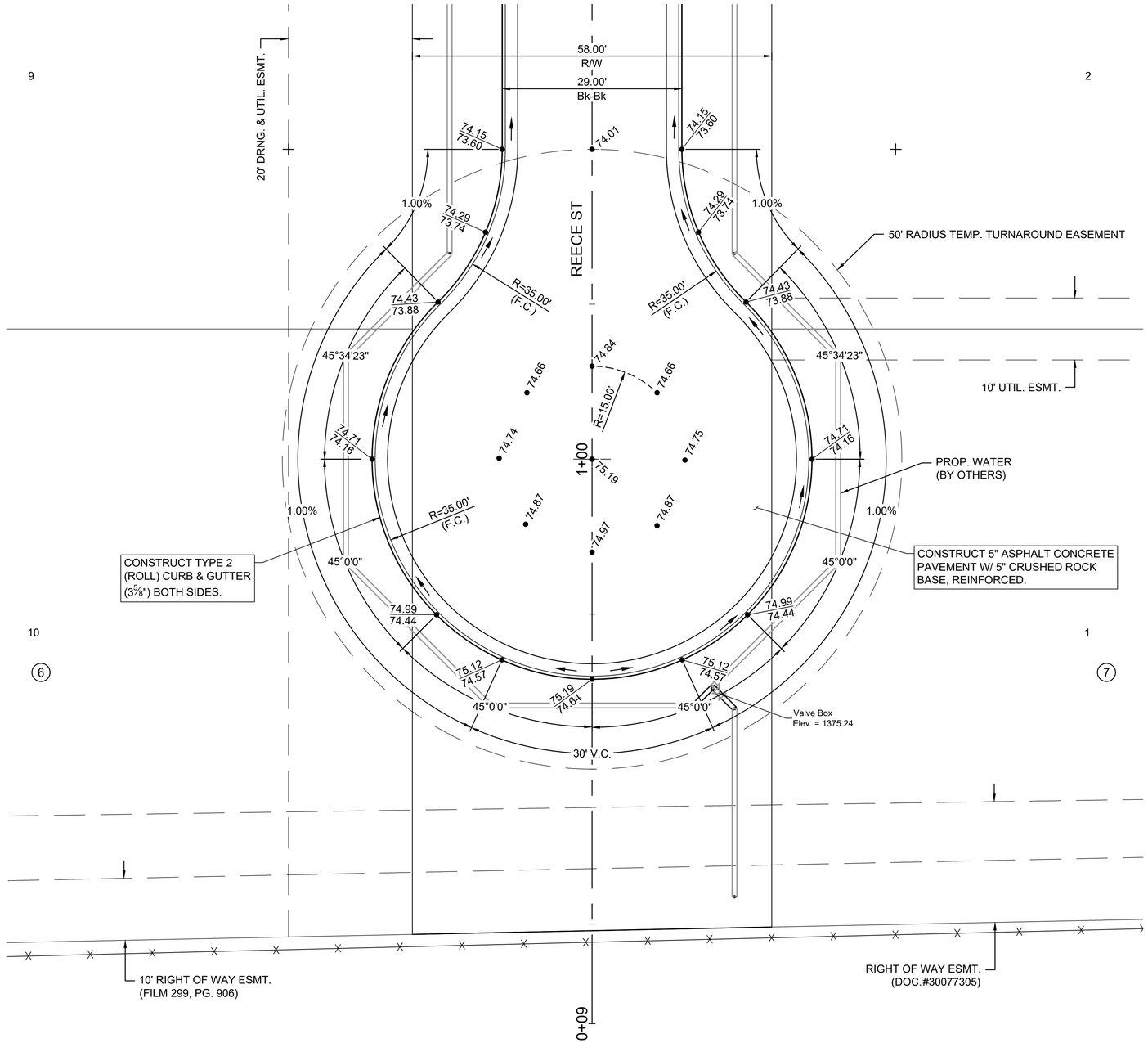
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER

SHEET NUMBER 10 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:47 PM Plotter used: None



REECE ST CUL-DE-SAC DETAIL

Notes:

1. All sidewalks shall have 2% cross-slope per ADA requirements.
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3. Outside edge of sidewalk shall be 0.30' above Full Height Curb Grades.
4. Add 1300.00 to all elevations shown to obtain actual elevations.

N

0 5' 10' 20' 30'
(IN FEET)

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GARVER
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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

REECE ST
CUL-DE-SAC
DETAIL

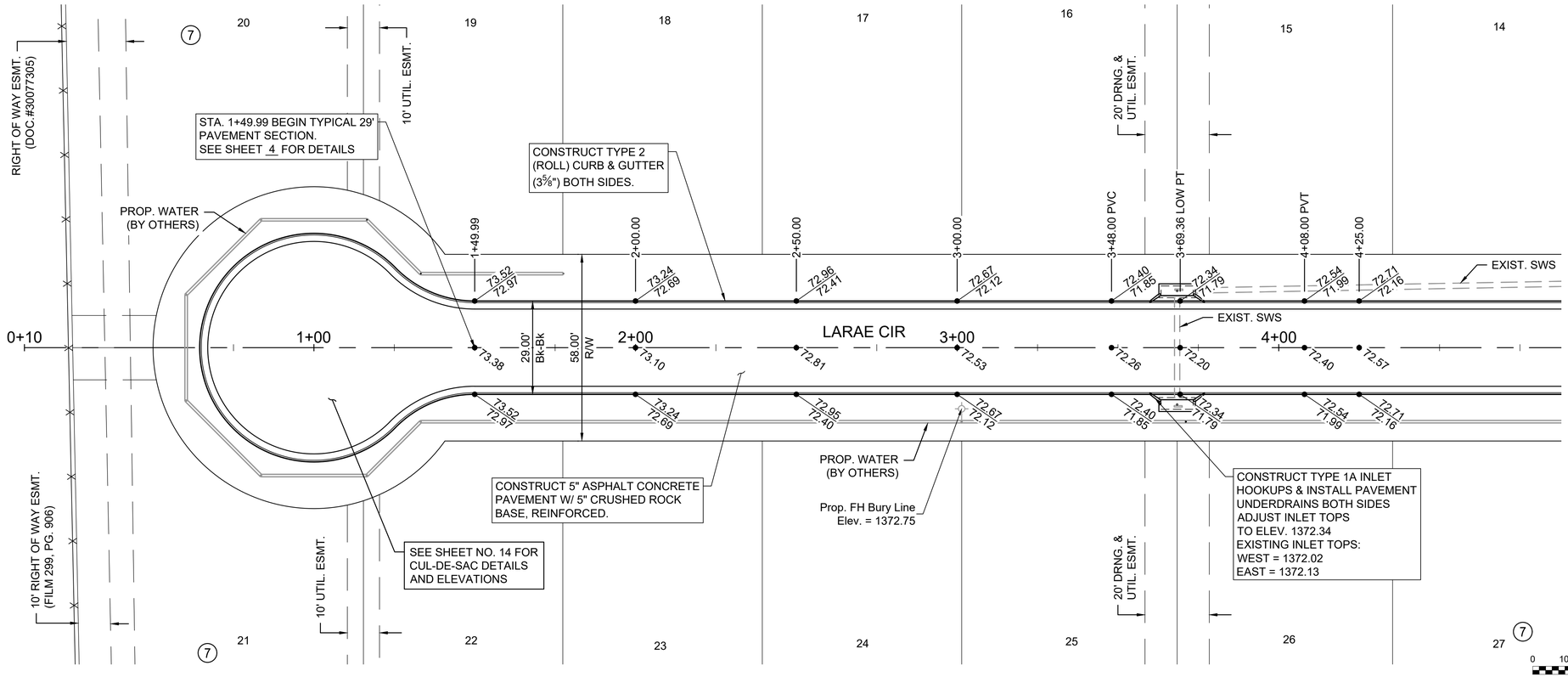
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
■

SHEET NUMBER 11 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:47 PM Plotter used: None



Notes:

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

LARAE CIR
(1 of 2)

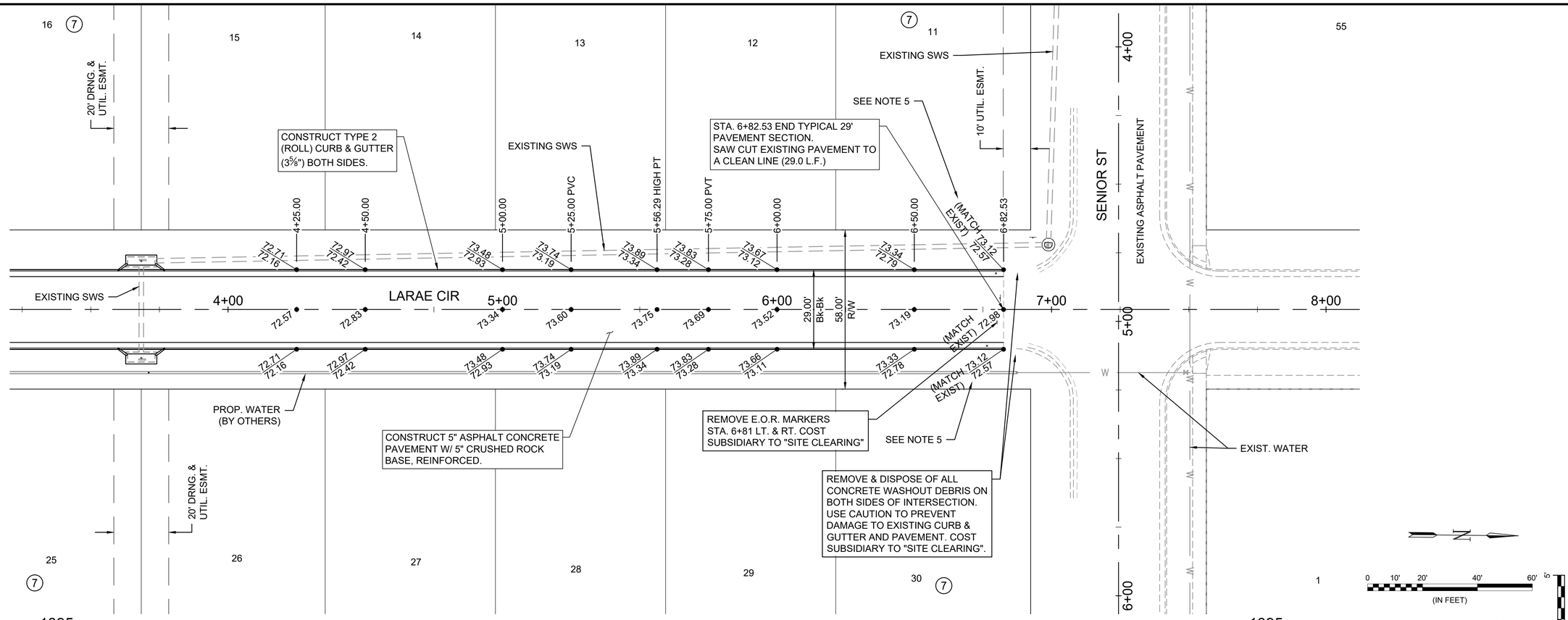
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DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

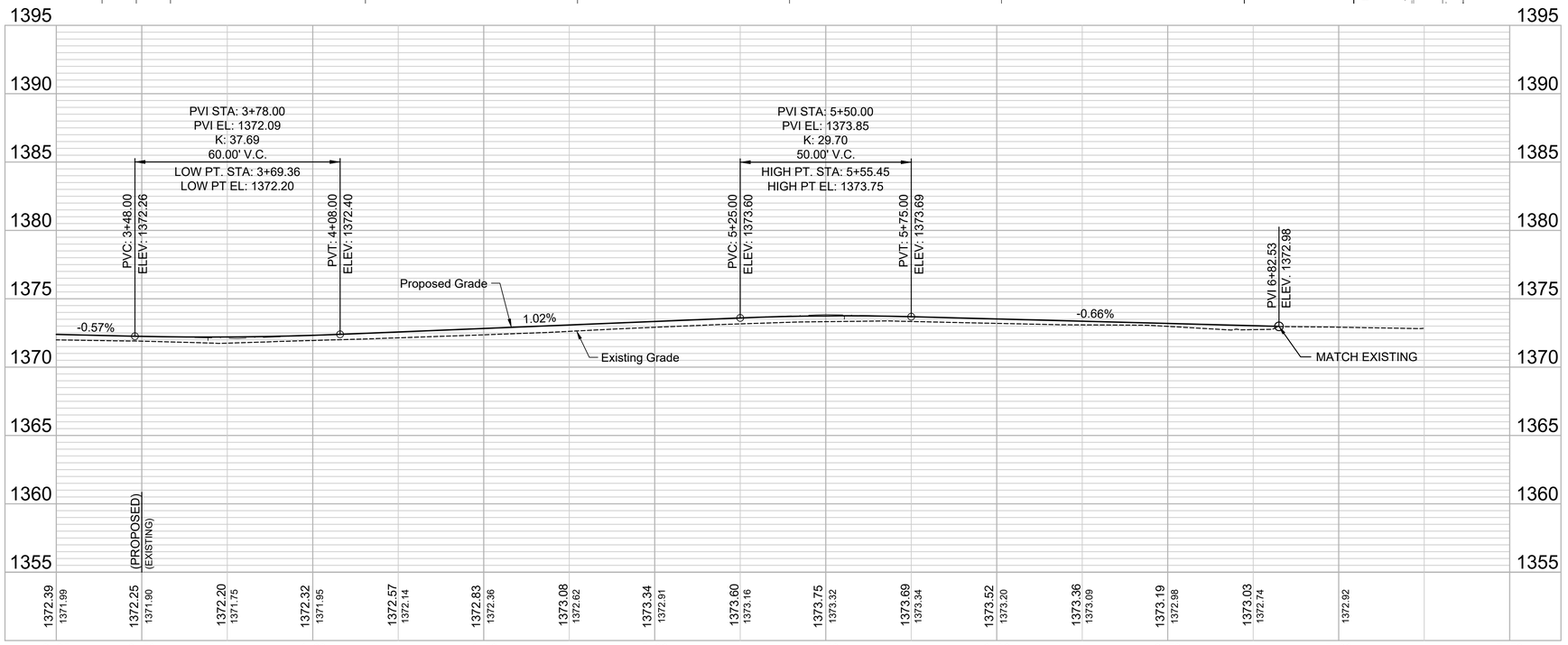
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 12 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:48 PM Plotter used: None





Notes:

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

LARAE CIR
(2 of 2)

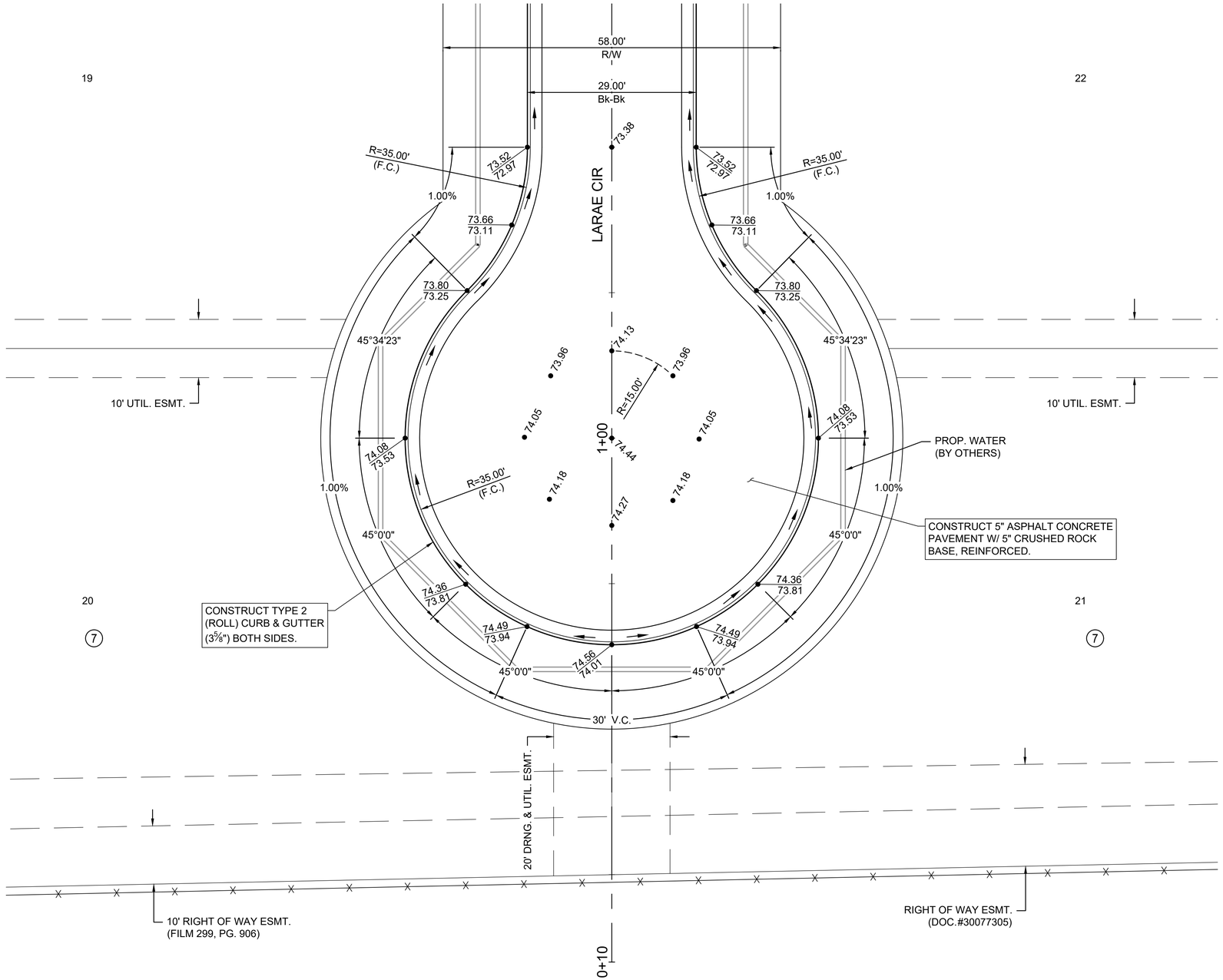
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 13 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:48 PM Plotter used: None



LARAE CIR CULDESAC DETAIL

Notes:

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N

0 5' 10' 20' 30'
(IN FEET)

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

LARAE CIR
CUL-DE-SAC
DETAIL

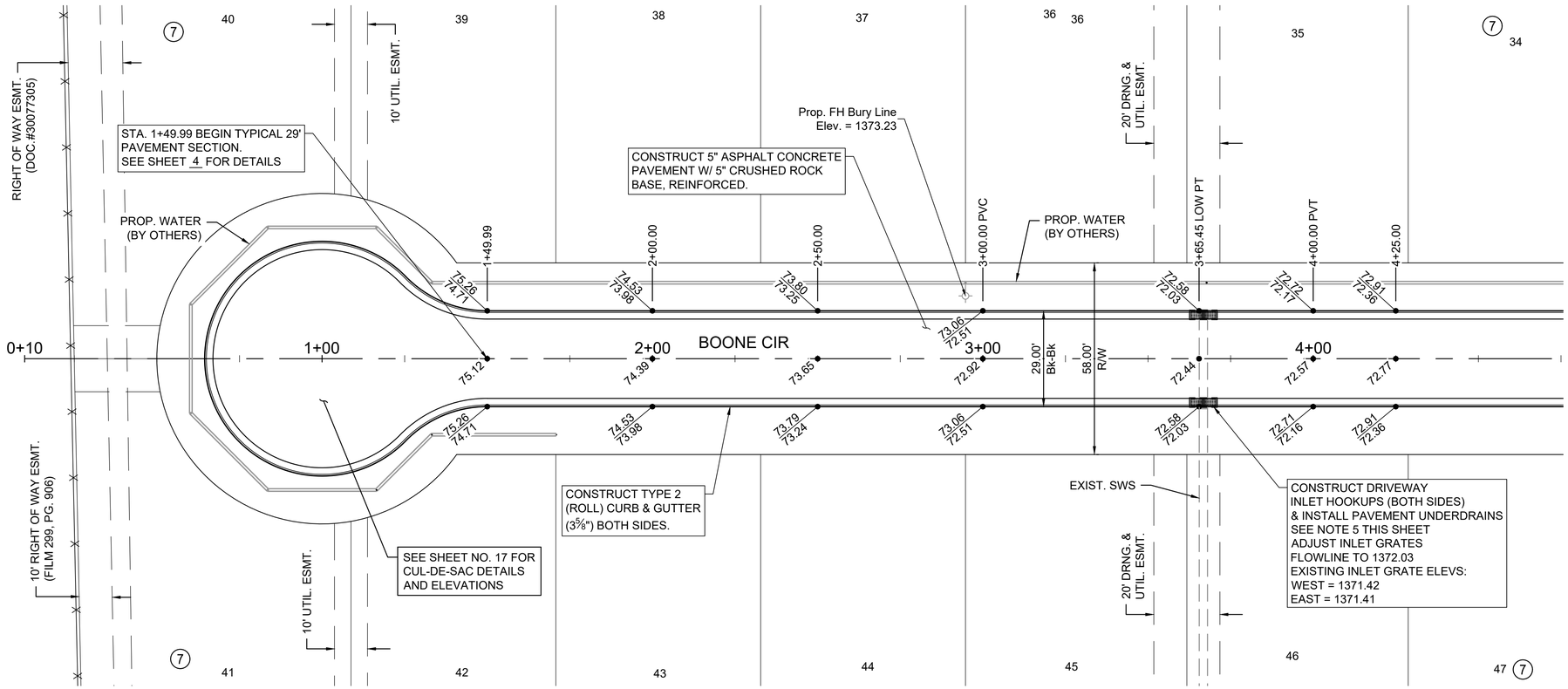
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 14 OF 49

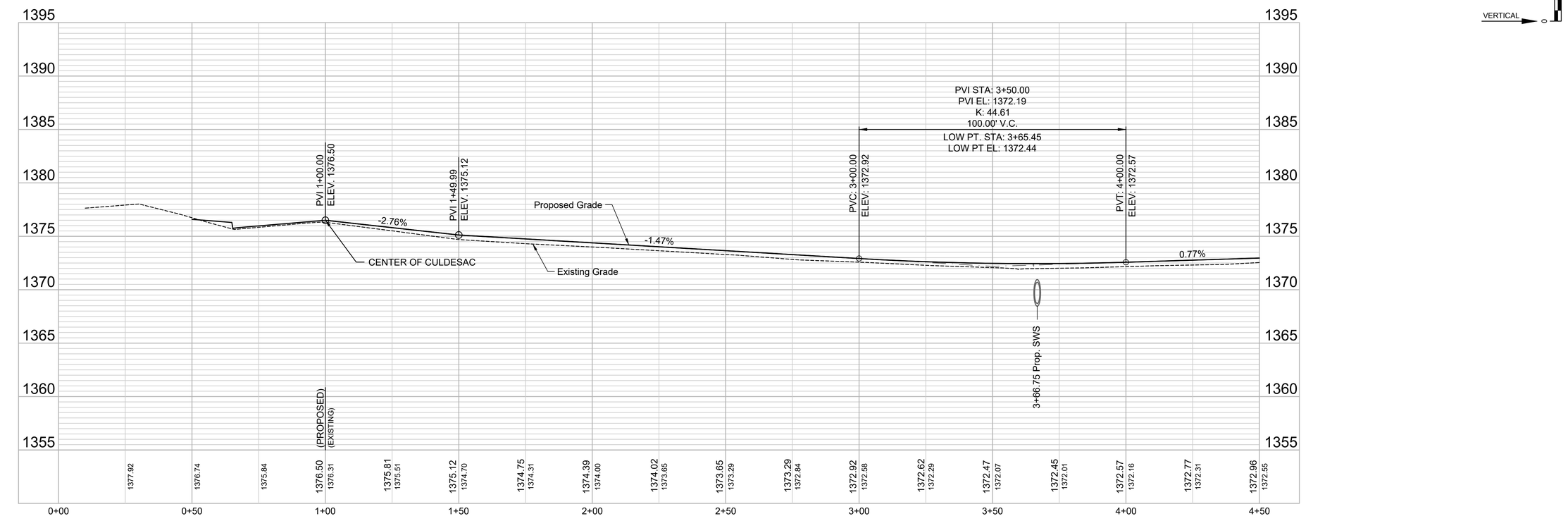
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Last plotted by: Standrich, Daryl R Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:48 PM Plotter used: None



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0 10' 20' 40' 60'
(IN FEET)



0 5'
VERTICAL
0

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

BOONE CIR
(1 of 2)

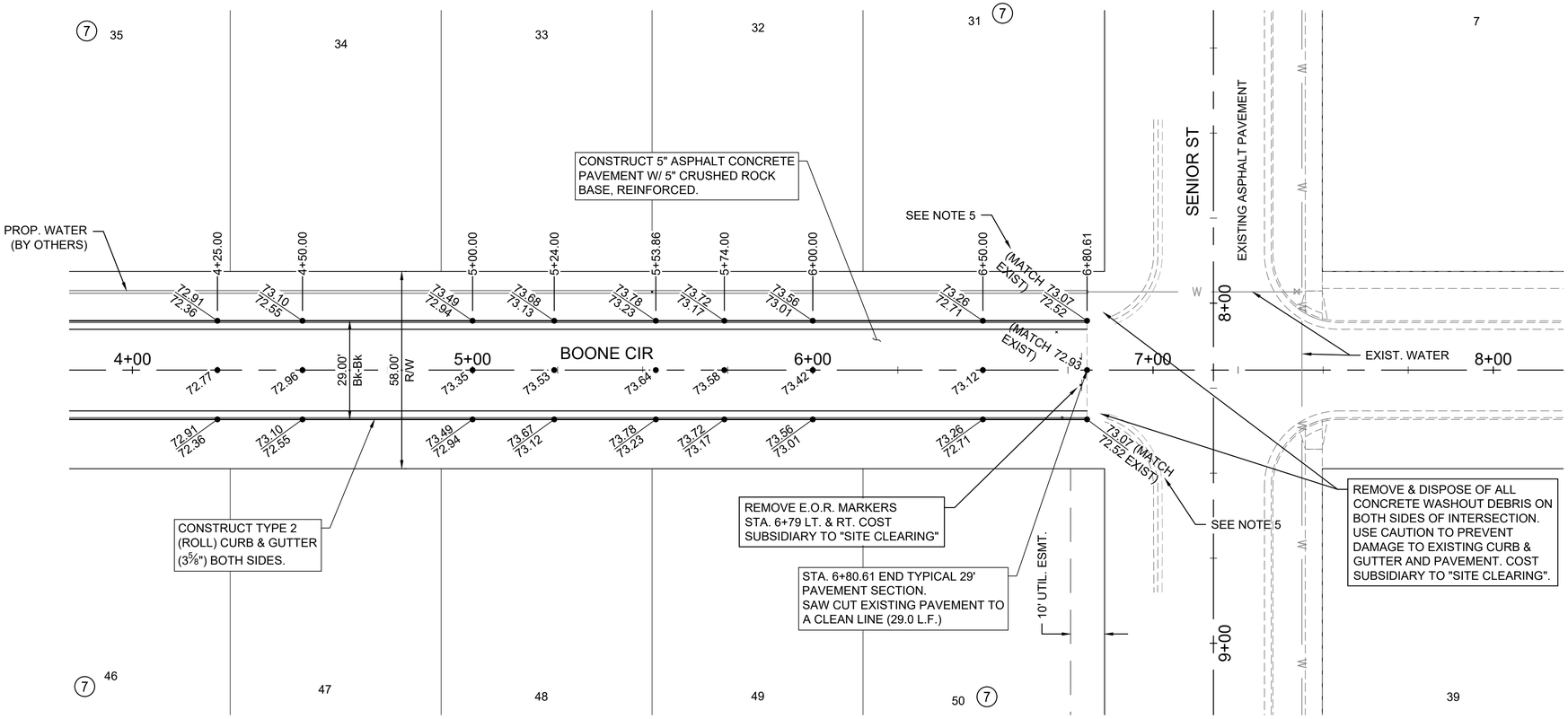
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DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

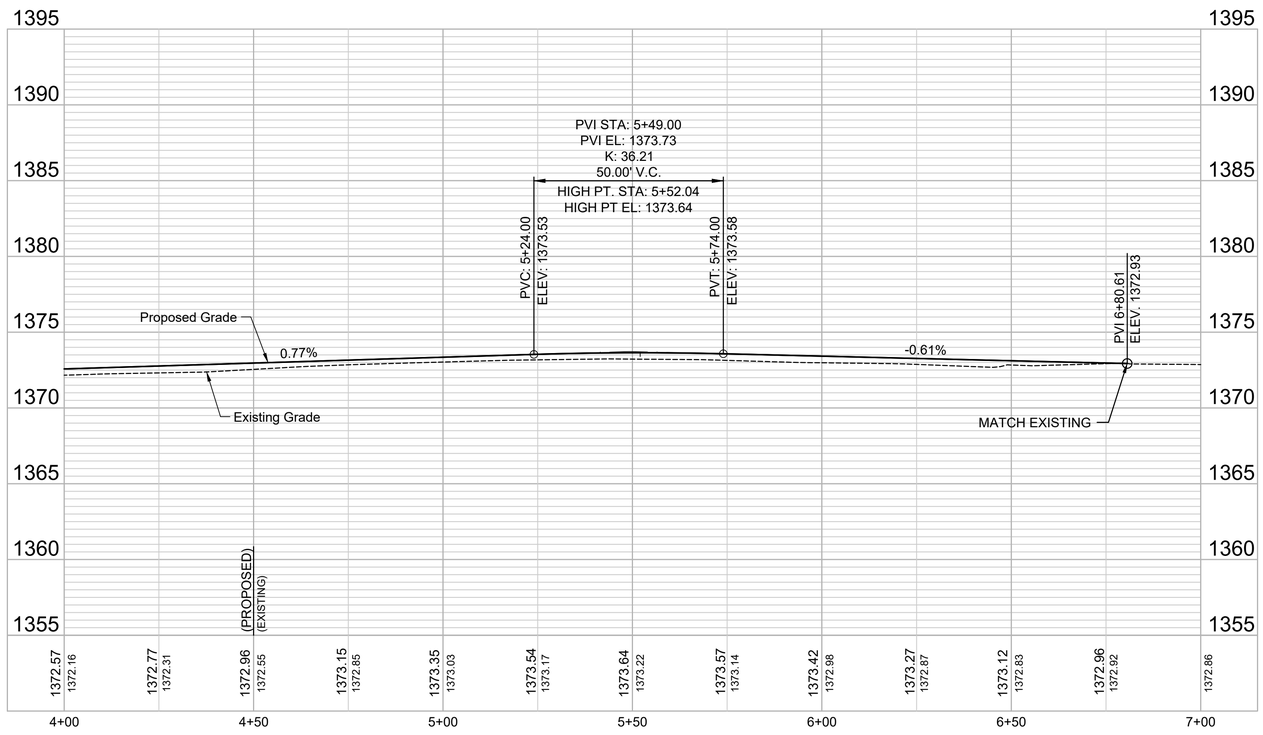
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 15 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:49 PM Plotter used: None





Notes:

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

BOONE CIR
(2 of 2)

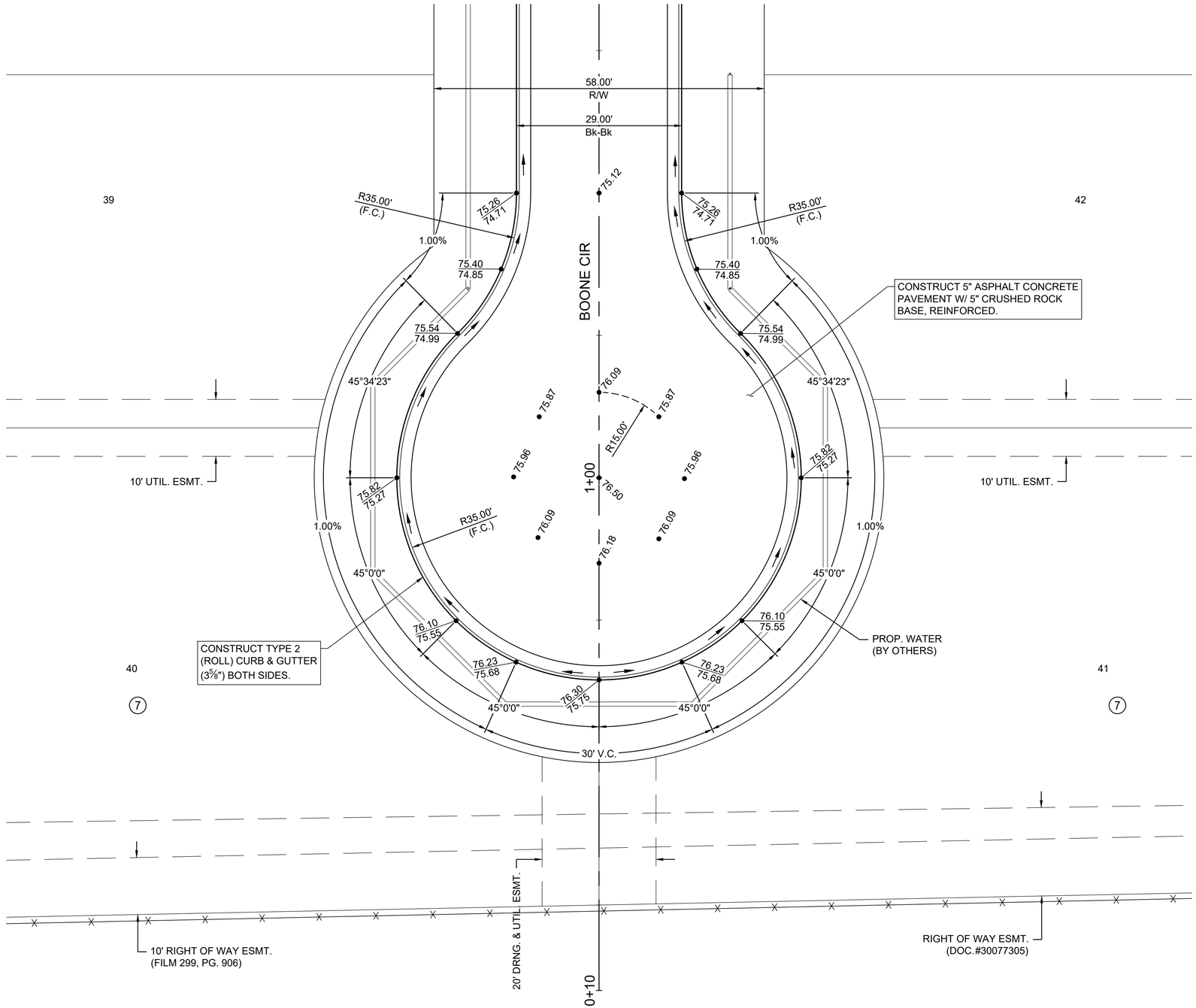
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER

SHEET NUMBER 16 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:49 PM Plotter used: None



BOONE CIR CUL-DE-SAC DETAIL

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N

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(IN FEET)

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

BOONE CIR
CUL-DE-SAC
DETAIL

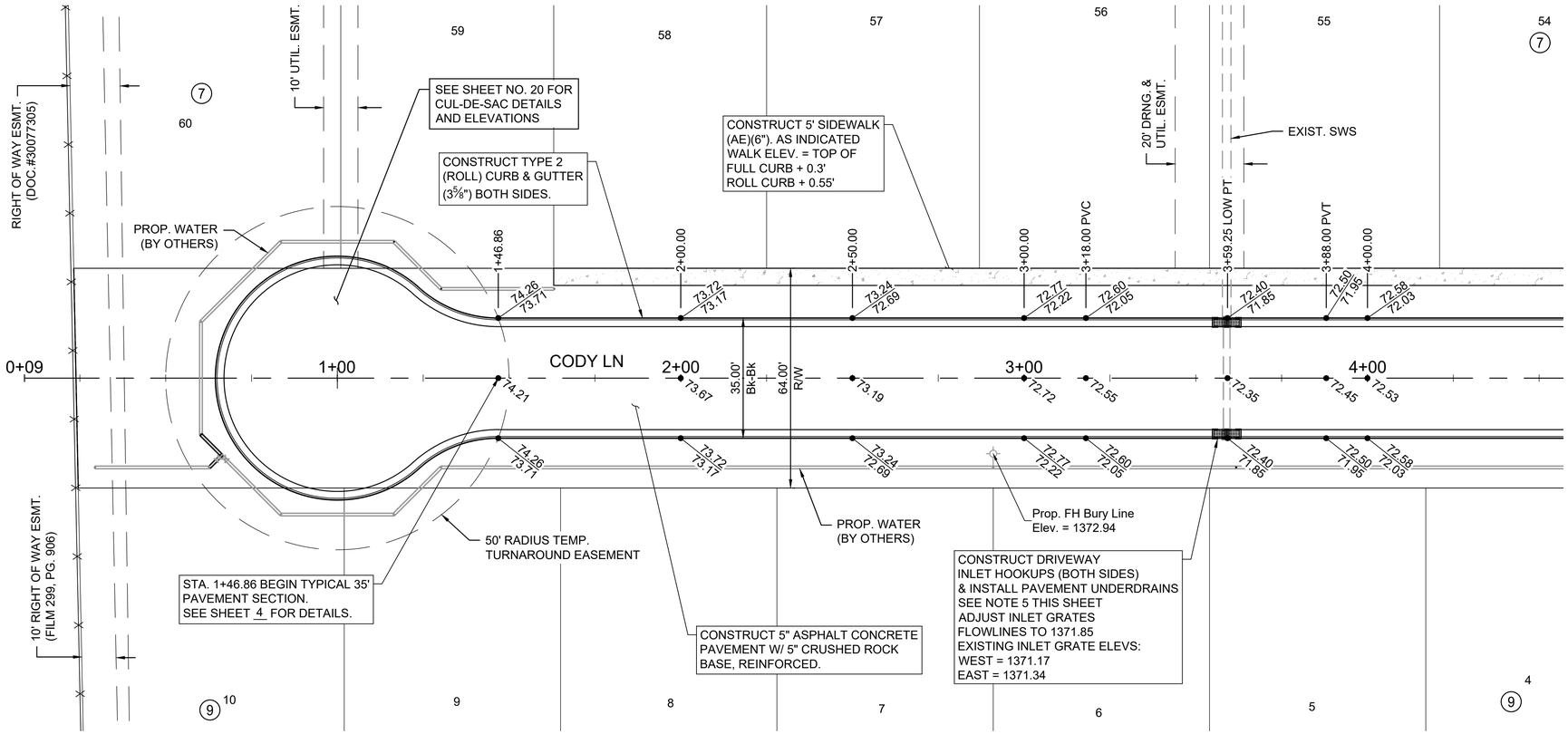
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

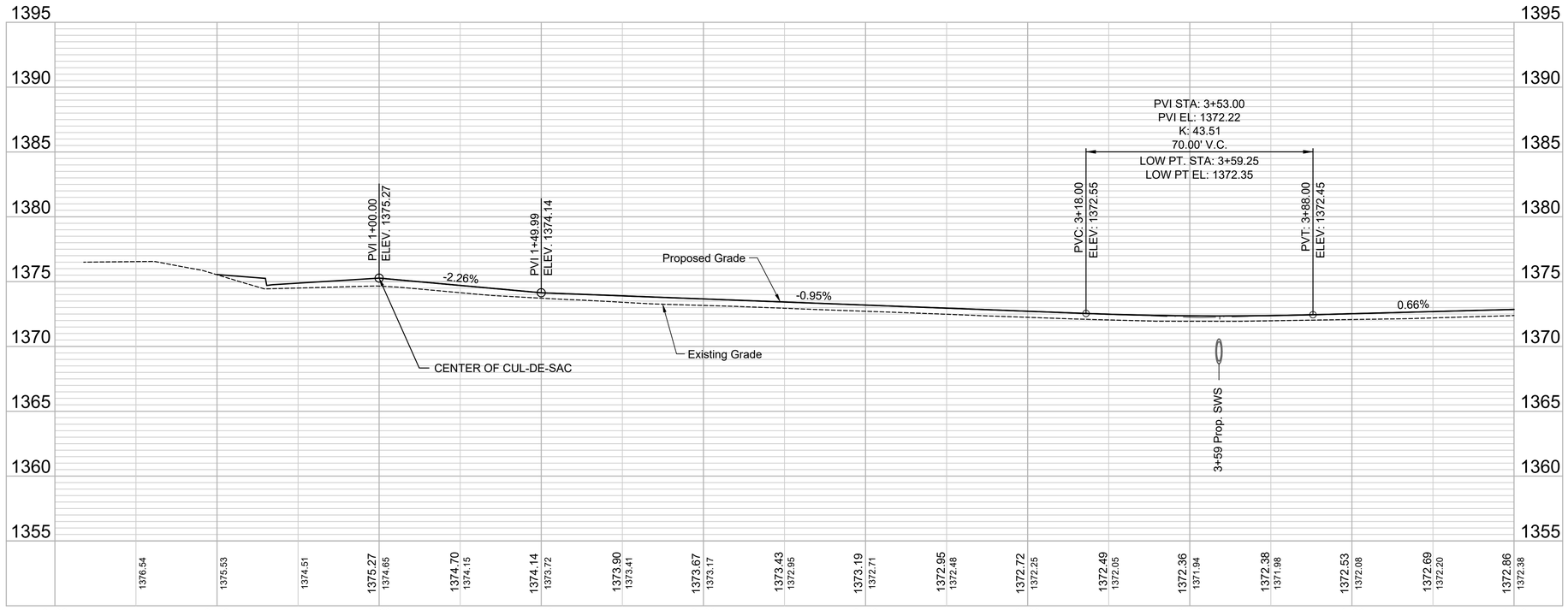
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:49 PM Plotter used: None



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

CODY LN
(1 of 2)

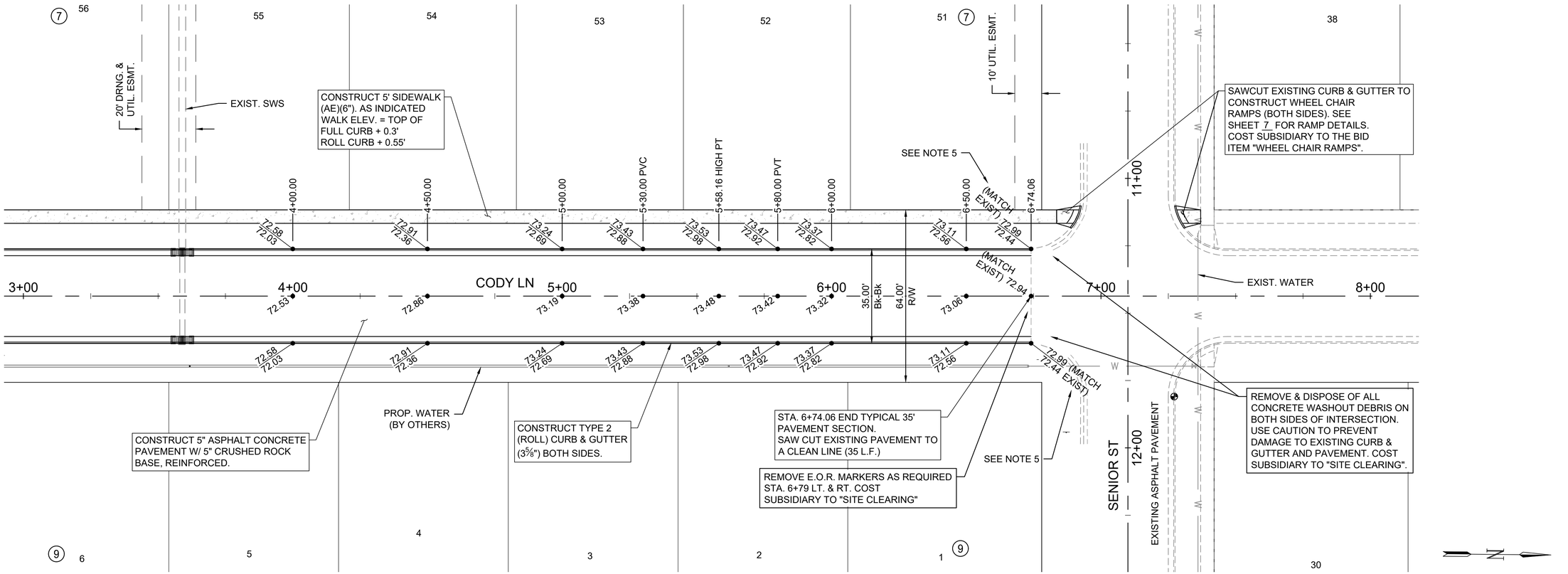
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DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

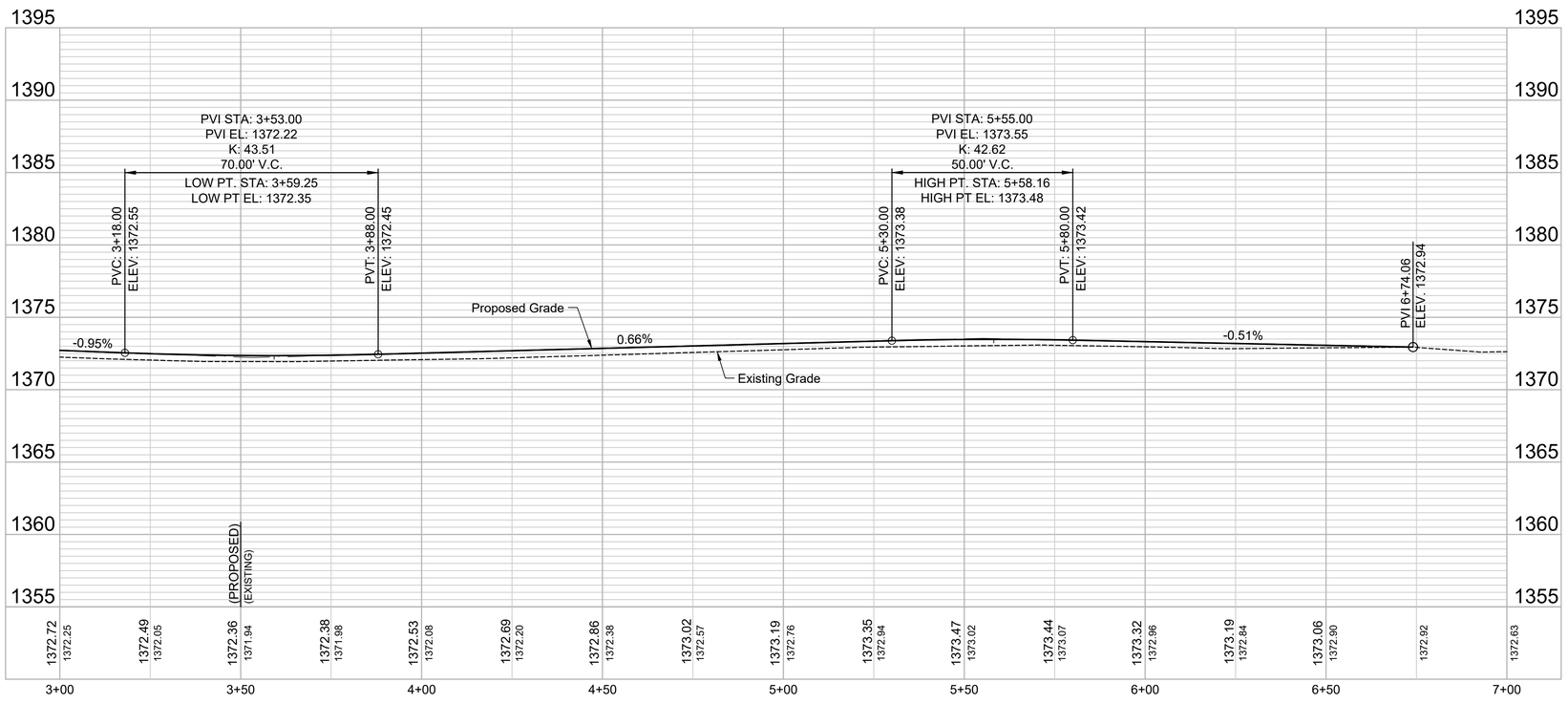
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 18 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:50 PM Plotter used: None





0 10' 20' 40' 60'
(IN FEET)

VERTICAL 5 0

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

CODY LN
(2 of 2)

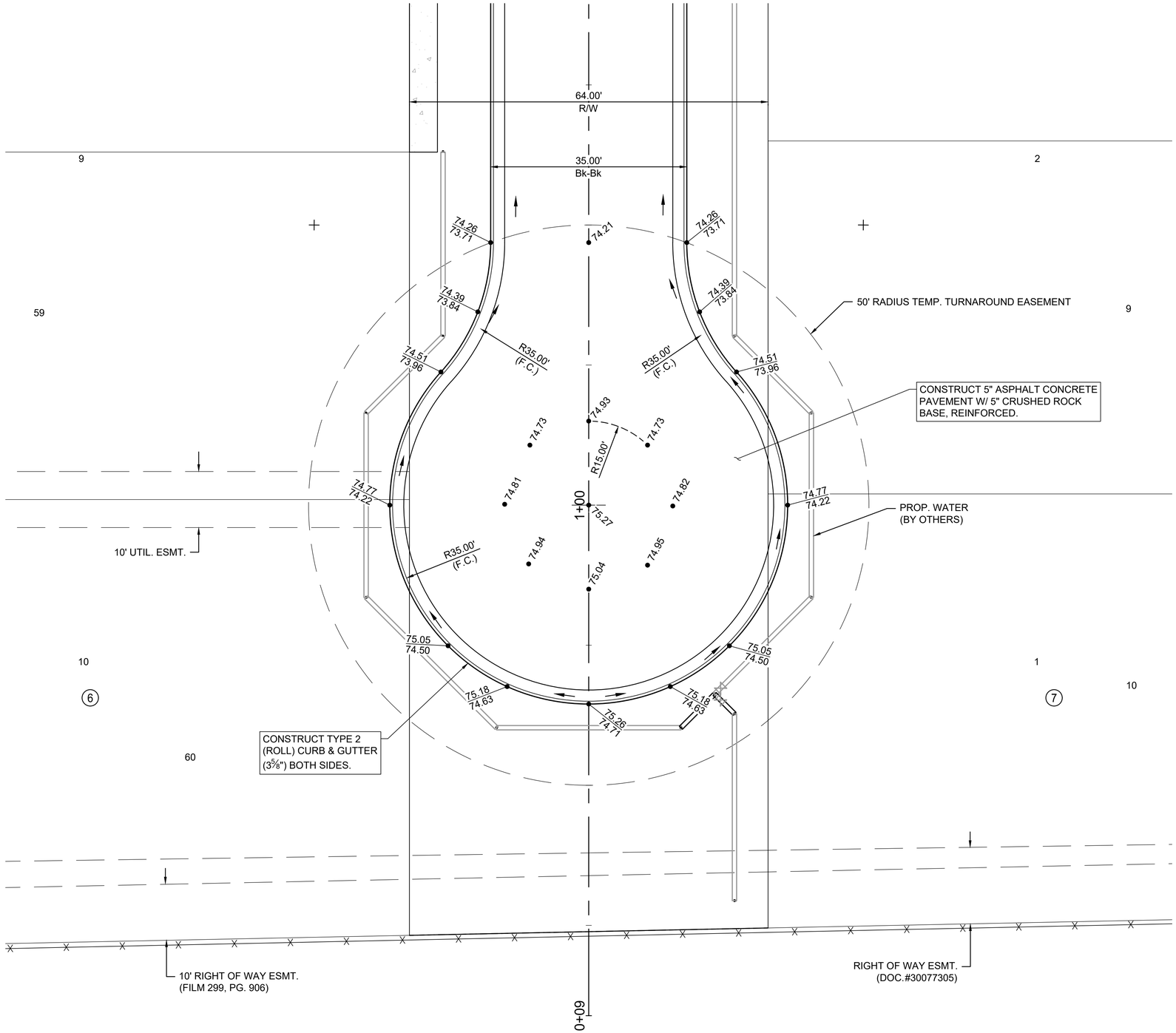
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 19 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:50 PM Plotter used: None



CODY LN CUL-DE-SAC DETAIL

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(IN FEET)

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Wichita, KS 67209
(316) 264-8008

REV	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

CODY LN
CUL-DE-SAC
DETAIL

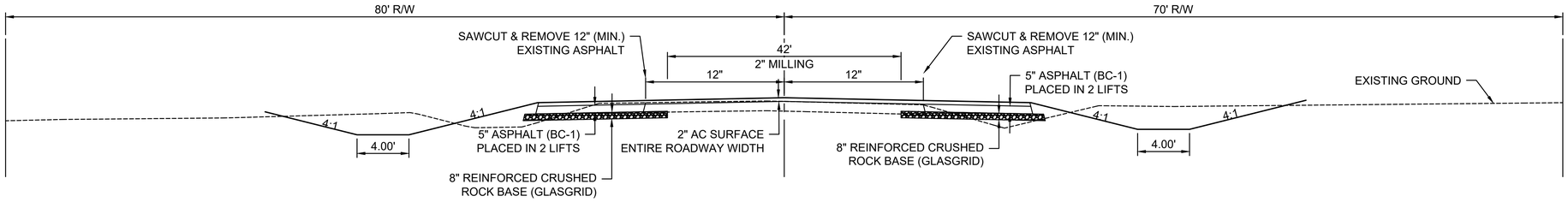
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DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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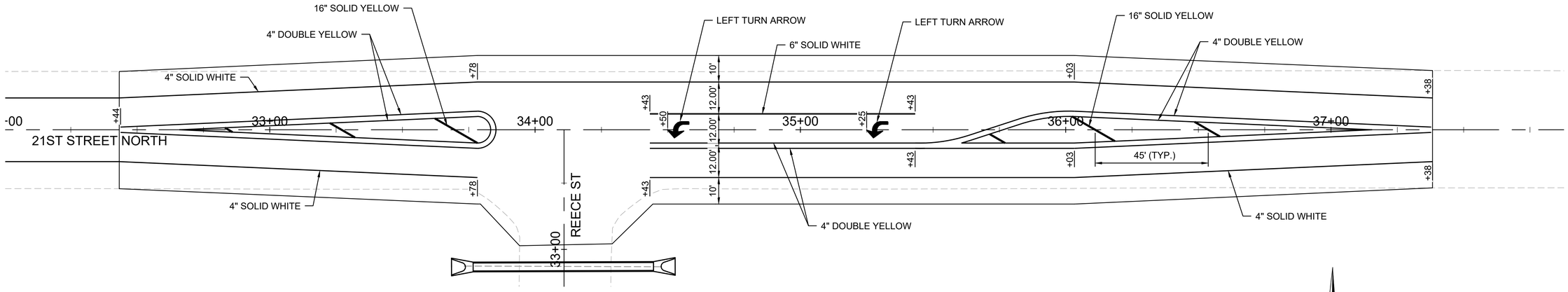
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SHEET NUMBER **20** OF **49**

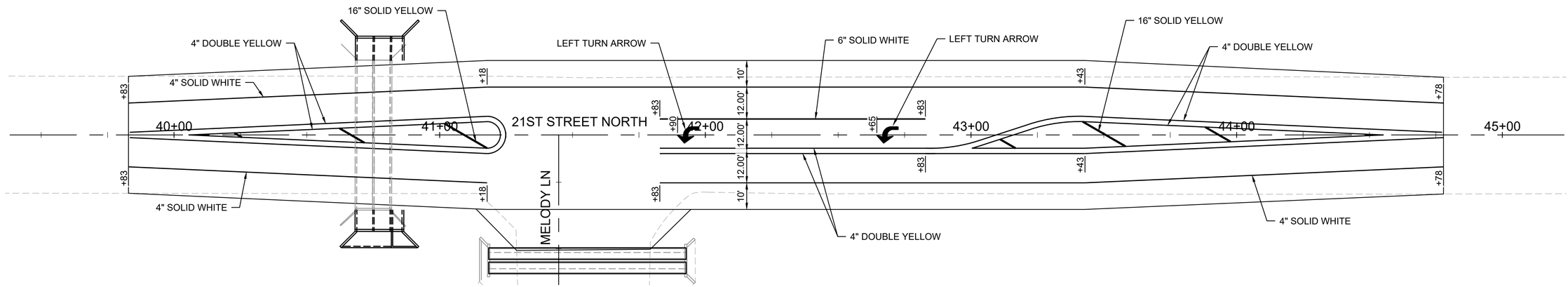
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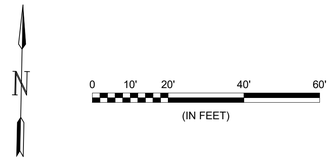
TYPICAL SECTION A-A FOR 21ST STREET WIDENING



21ST STREET N. PAVEMENT MARKING AT REECE STREET



21ST STREET N. PAVEMENT MARKING AT MELODY LN



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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

21ST ST TYP SECTIONS & PAVEMENT MARKING

JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
-

SHEET NUMBER 21 OF 49

File: L:\2025\T41-2501905 - Area 151 Ph 2\Drawings_PAVING SHEETS\21ST ST TYPICAL SECTION AND PAVEMENT MARKING.dwg Last Save: 7/7/2026 4:45 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:51 PM Plotter used: None

CONSTRUCT 5" ASPHALT CONCRETE PAVEMENT W/ 8" CRUSHED ROCK BASE, REINFORCED.

SAWCUT EXISTING PAVEMENT TO A CLEAN LINE (495 L.F.).

MILL NOMINAL 2" (2327 S.Y.)

OVERLAY ENTIRE ROADWAY 2" SEE DETAIL SHEET NO. 21

STA. 37+38.26 END CONSTRUCTION

STA. 32+43.26 BEGIN CONSTRUCTION

Need centerline for 21st

Need centerline for 21st

+43.26-BEGIN EOP Taper -21.96' Lt.

+78.26-END EOP Taper -28.00' Lt.

+03.26-BEGIN EOP Taper -28.00' Lt.

+38.26-END EOP Taper -22.32' Lt.

KDOT R/W

80.00' R/W

70.00' R/W

4:1

(MATCH)74.00

(MATCH)74.43

(MATCH)73.99

73.68 73.41 73.25 73.12 72.89 72.66 72.43 72.22 72.04 71.85 71.47 (MATCH)

74.17 73.94 73.81 73.71 73.48 73.25 73.02 72.78 72.56 72.33 72.16 (MATCH)

73.68 73.41 73.25 73.15 72.92 72.69 72.46 72.22 72.04 71.86 71.43(MATCH)

+00 33+00 34+00 35+00 36+00 37+00

21ST STREET NORTH

56.00' PAVEMENT

15' (TYP.)

15' (TYP.)

A

A

SAWCUT EXISTING PAVEMENT TO A CLEAN LINE (495 L.F.).

SAWCUT EXISTING PAVEMENT TO A CLEAN LINE (35 L.F.).

CONSTRUCT TEMPORARY ASPHALT HOOK-UP. (85 SY) 5" ASPHALT CONCRETE PAVEMENT W/5" CRUSHED ROCK BASE, REINFORCED.

ALL DITCH GRADING WILL BE PAID SUBSIDIARY TO THE BID ITEM "DITCH GRADING, LS".

REECE ST

EXIST. WATER MAIN

+43.26-BEGIN EOP Taper 22.21' Rt.

+78.26-END EOP Taper 28.00' Rt.

+03.26-BEGIN EOP Taper -28.00' Rt.

+38.26-END EOP Taper 21.90' Rt.

KDOT R/W

N

0 10' 20' 40' 60'

(IN FEET)

VERTICAL 0 5

CONTRACTOR TO SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF WICHITA FOR APPROVAL PRIOR TO STARTING CONSTRUCTION ON 21st STREET NORTH. SEE NOTE NO. 9, SHEET NO. 2.

1395 1390 1385 1380 1375 1370 1365 1360 1355

PVI 32+43.26
ELEV. 1374.43

MATCH EXIST.

Existing = Proposed Grade

-0.46%

MATCH EXISTING DITCH LT

MATCH EXISTING DITCH RT

MATCH EXIST.

PVI 37+38.26
ELEV. 1372.16

(PROPOSED)
(EXISTING)

1374.53
1374.40 1374.40
1374.29 1374.28
1374.17 1374.18
1374.06 1374.08
1373.94 1373.95
1373.83 1373.81
1373.71 1373.70
1373.60 1373.59
1373.48 1373.49
1373.37 1373.38
1373.25 1373.27
1373.14 1373.16
1373.02 1373.03
1372.91 1372.91
1372.79 1372.79
1372.68 1372.68
1372.56 1372.56
1372.45 1372.45
1372.33 1372.34
1372.22 1372.22
1372.10

32+25 32+50 33+00 33+50 34+00 34+50 35+00 35+50 36+00 36+50 37+00 37+50

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

21ST
WIDENING AT
REECE ST

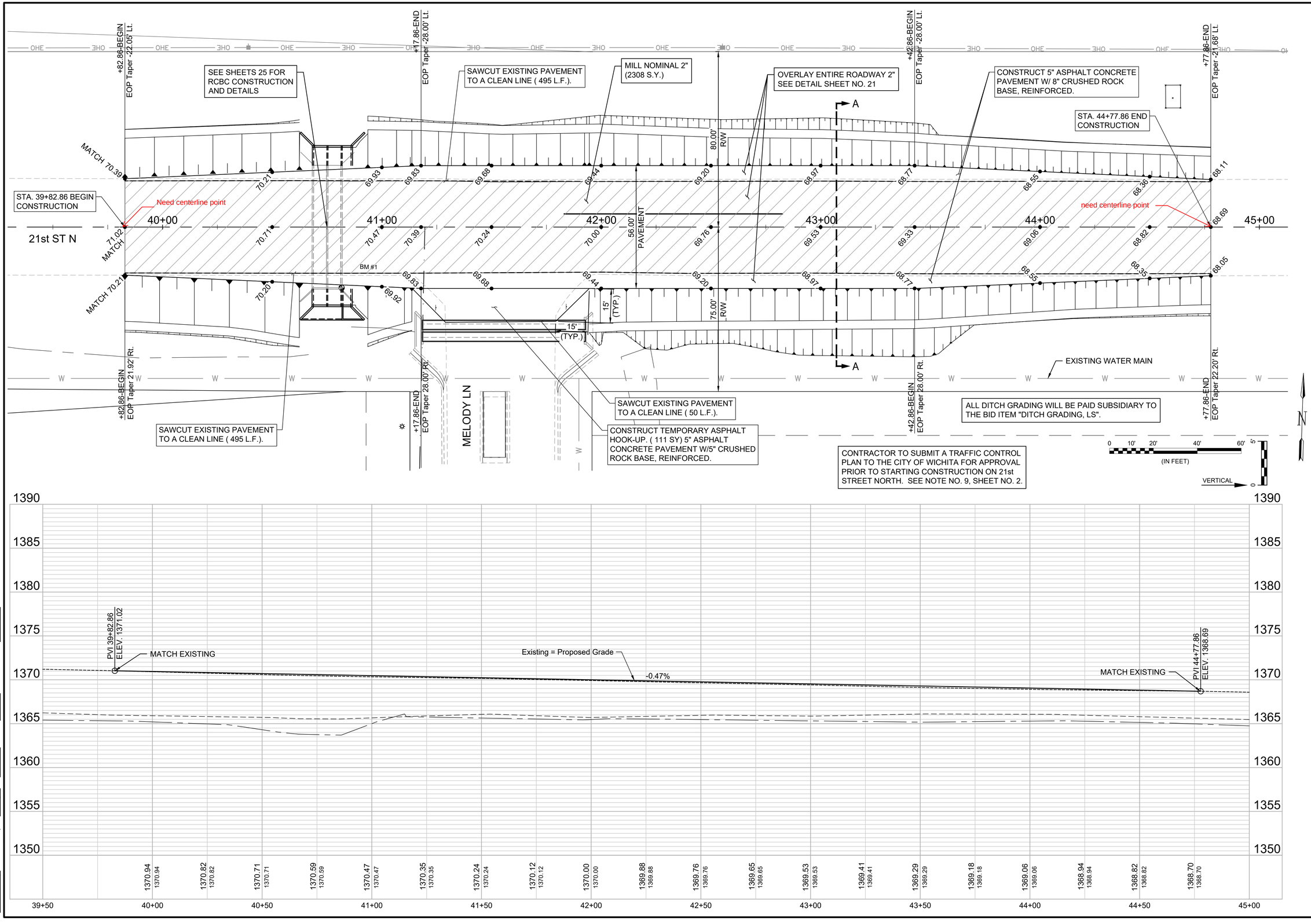
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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DRAWING NUMBER

SHEET NUMBER 22 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:51 PM Plotter used: None



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

21ST
WIDENING AT
MELODY LN

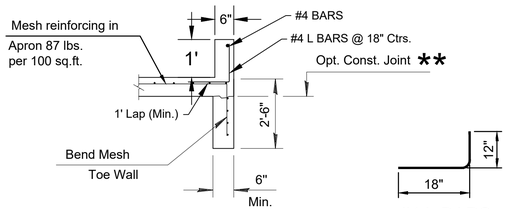
JOB NO.: 2501905
DATE: JULY 2026
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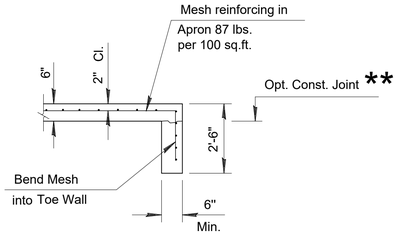
SHEET NUMBER 23 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:51 PM Plotter used: None



#4 L BARS

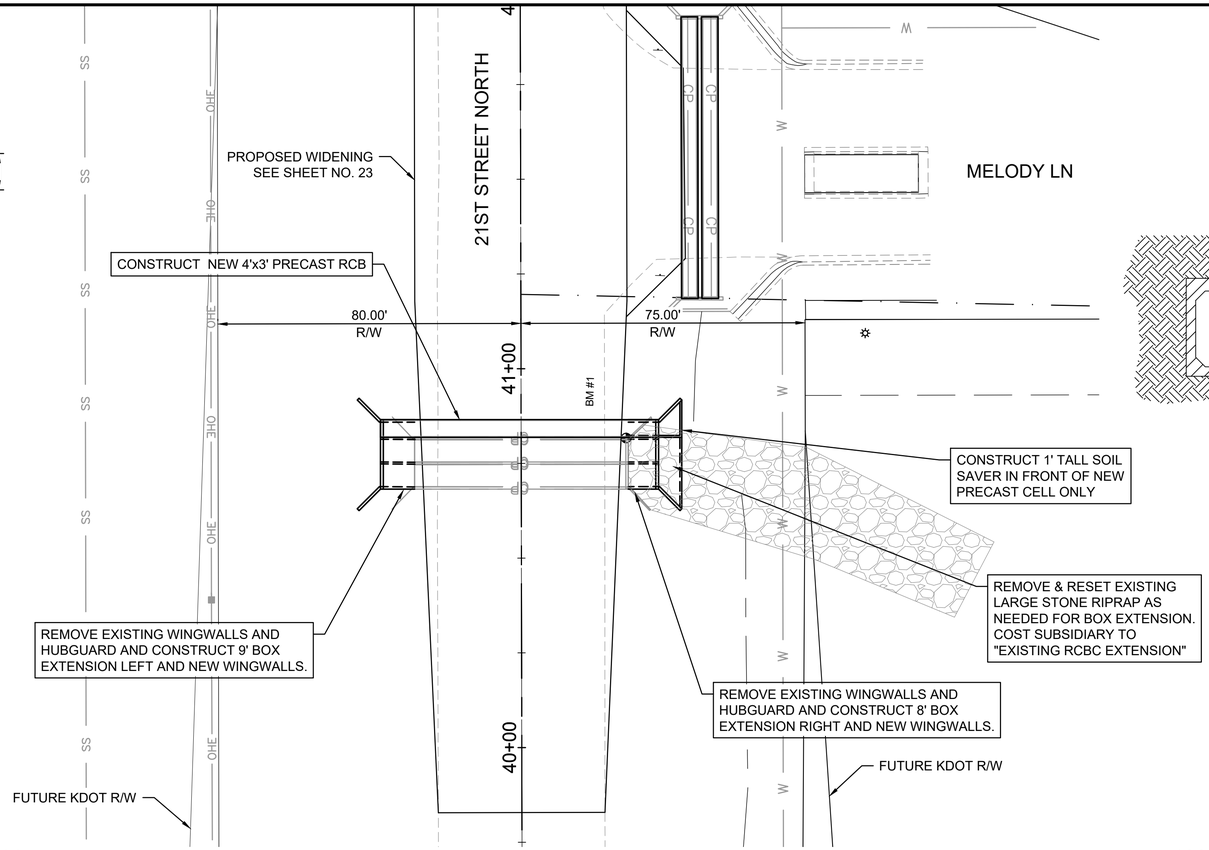
SECTION A-A
Soil Saver Reinforcement



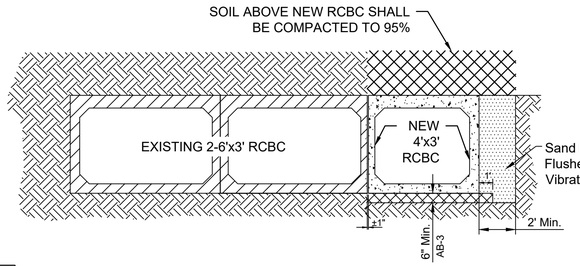
SECTION THROUGH
SCOUR APRON TOEWALL

SECTION B-B

** NOTE: Const. Jt. may be used at Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: Minimum overlap shall be 1'-3". No increase in quantities or cost shall be allowed when Contractor elects this option.

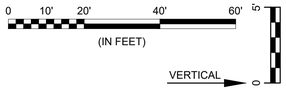


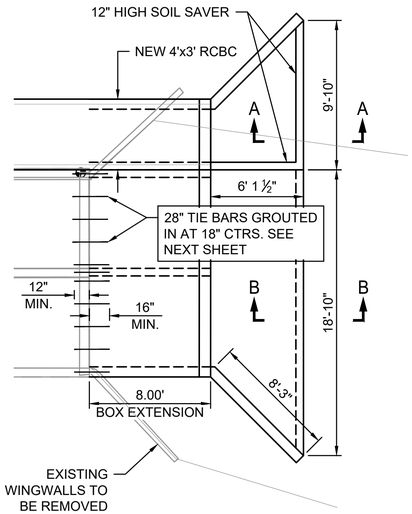
1. INSTALL PRECAST BOXE WITH 1" SEPARATION BETWEEN AND PLACE GROUT OR FLOWABLE FILL BETWEEN BOXES. CONTRACTOR MAY NEED TO PARTIALLY BACKFILL AROUND BOXES FOR STABILITY PRIOR TO GROUTING.
2. BACKFILL TRENCH ON SIDE OF BOX WITH FLUSHED AND VIBRATED SAND (SEE DETAIL). SUBSIDIARY TO THE BID ITEM FOR "PIPE, RCBC".



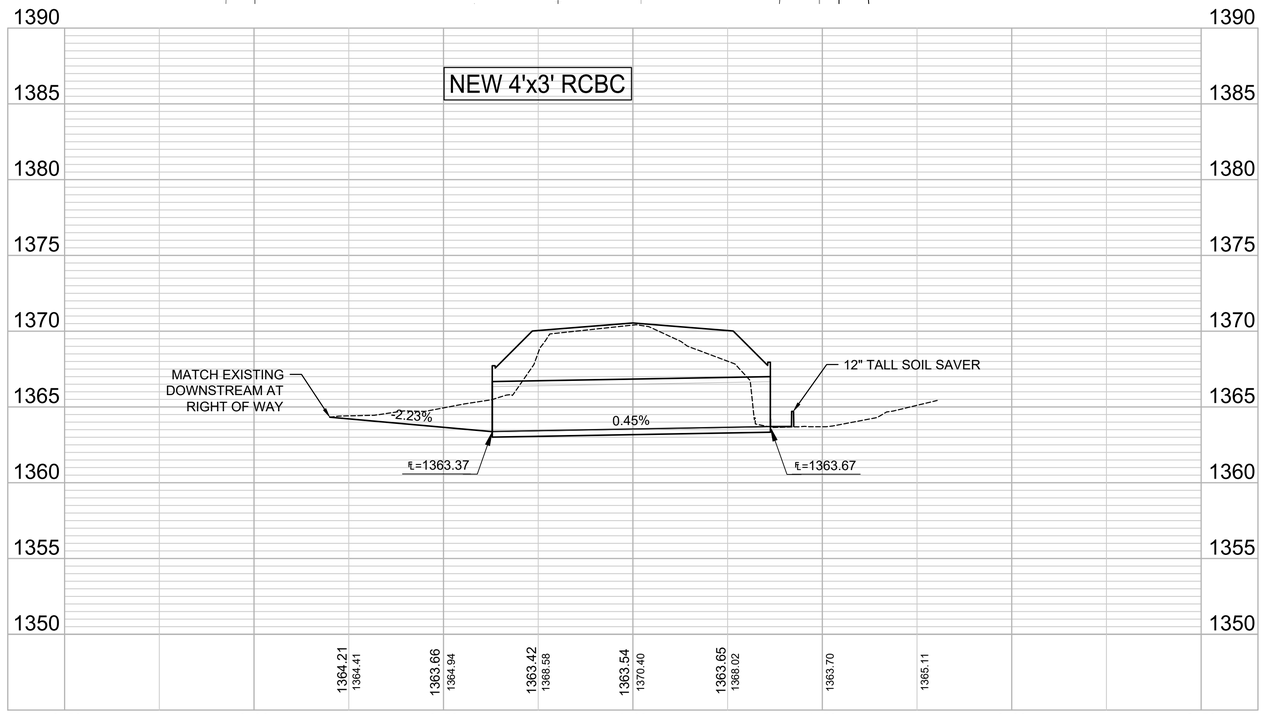
TRENCH DETAIL

Installation of the 4'x3' RCBC will be paid for under the bid item for "Pipe,SWS, RCBC (4'x3')". All other work on this page will be bid as Lump Sum subsidiary to the bid item for "Existing RCBC Extension".





APRON W/ SOIL SAVER DETAIL



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

RCBC PLAN & PROFILE

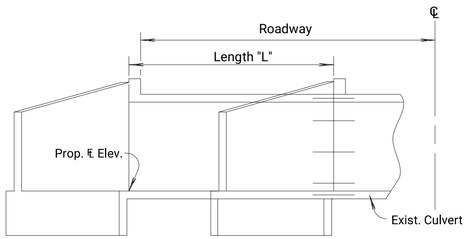
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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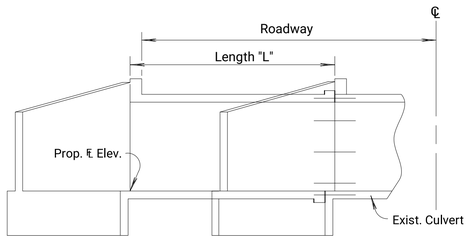
DRAWING NUMBER

SHEET NUMBER 24 OF 49

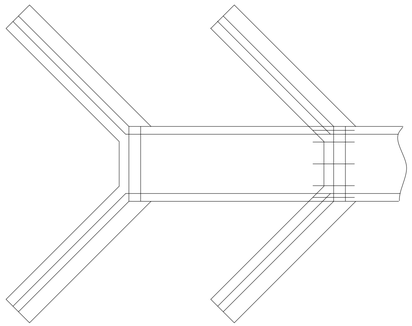
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:51 PM Plotter used: None



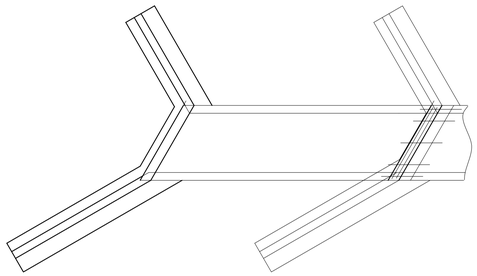
TYPICAL SECTION
(Flared Wings)



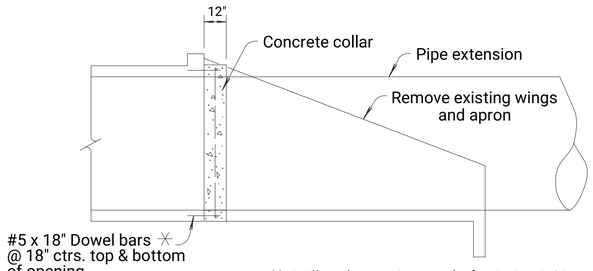
TYPICAL SECTION
(Skewed Structure)



TYPICAL PLAN
(Flared Wings)

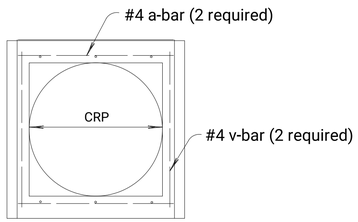


TYPICAL PLAN
(Skewed Structure)

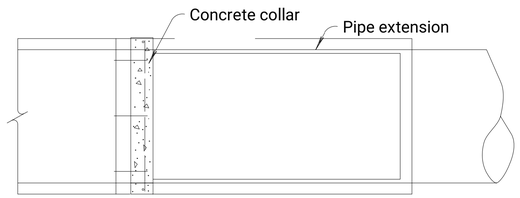


✳ Drill and grout into end of existing RCB.

SIDE VIEW



END VIEW

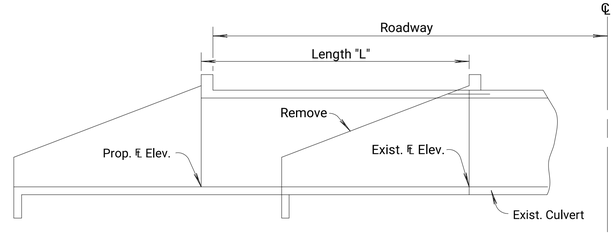


TOP VIEW

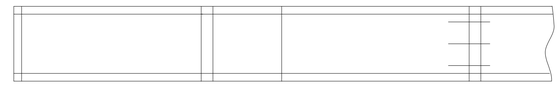
CONSTRUCTION OF COLLAR

NOTE: All Labor, Equipment, Materials, and Incidentals necessary to complete the concrete collar shall not be paid for directly but shall be considered Subsidiary to the individual pipe bid item.

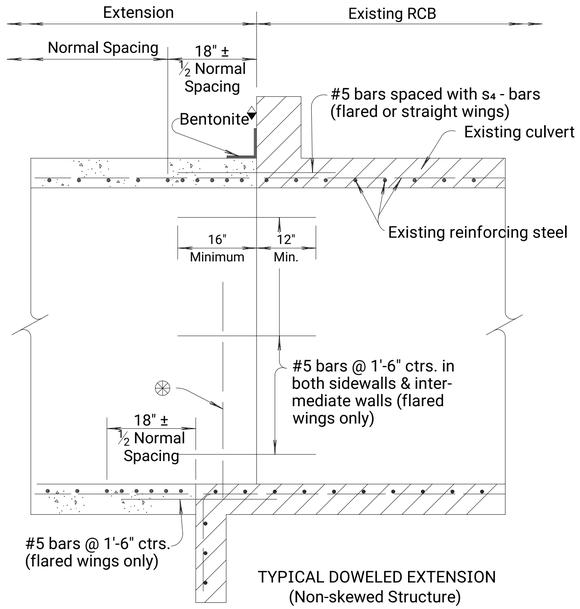
Station	Size Exist. R.C.B.	Size C.R.P. Extension	Ext. Length		End Section	
			Lt.	Rt.	Lt.	Rt.



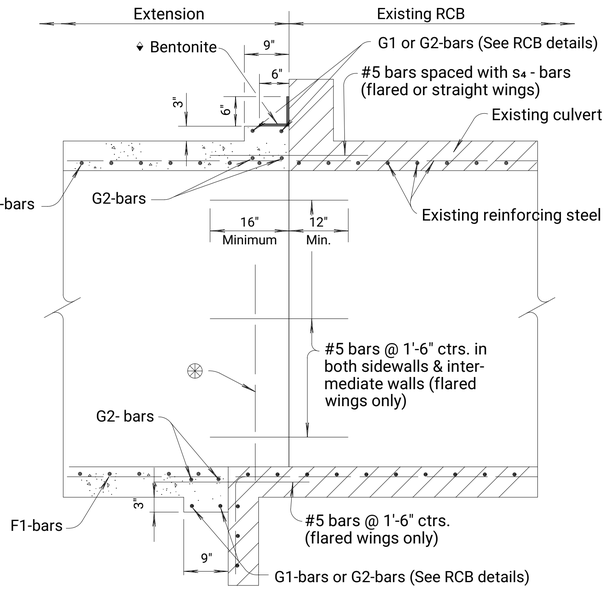
TYPICAL SECTION
(Straight Wings)



TYPICAL PLAN
(Straight Wings)



TYPICAL DOWELED EXTENSION
(Non-skewed Structure)



TYPICAL DOWELED EXTENSION
(Skewed Structure)

♦ NOTE: The joint between the RCB extension and the existing structure shall be protected by a bentonite based system as shown when the following conditions exist:

1. Fill depth over the joint is 2 feet or less.
2. Lateral location of the joint is 20 feet or less from edge of pavement.
3. RCB span is equal to or greater than 8 feet.

The bentonite shall be placed on the exterior walls and top slab and shall conform with the requirements of the Special Provision for "Bridge Backwall Protection System". All materials and labor required for this work shall be Subsidiary to the bid item "Grade 4.0 Concrete".

Quantities on this sheet are included in Summary of Quantities, Sh. No.

Station	Size Exist. R.C.B.	Roadway		Length "L"		Grade 4.0 Conc. Cu. Yds.	Reinf. Steel Lbs.	Remarks
		Lt.	Rt.	Lt.	Rt.			
40+75.00	2 - 6'X3'	36.4'	35.6'	9.0'	8.0'			

✳ If the existing footings are left in place, dowel any vertical reinforcing steel located in the new walls into the existing footing. For rigid frame boxes, this may require additional #5 dowel bars to splice to the exterior vertical bars in the wall.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472–2023–085908	####	25	49

GENERAL NOTE

Dimensions of existing structures shall be checked in the field prior to starting the new construction. Interior walls of multiple box extensions need not be the same thickness as the existing walls.

All existing concrete surfaces adjacent to new concrete shall be thoroughly cleaned by brushing, and soaked with water immediately prior to placing the new concrete.

All work and material necessary for installing the dowel bars shall be subsidiary to the bid item "Reinforcing Steel".

Grouting of bars shall meet the Standard Specifications of the Kansas Department of Transportation. Locate dowel bars near the center of walls and slabs.

For non-skewed boxes "s_1" and "f_1" bars shall be placed at ½ normal spacing for the first 18".

Straight Wing Extensions

Remove existing wings and wing aprons. Remove top of hubguard if necessary to clear new construction. A minimum of 24" length of the existing wing and floor steel shall be left intact and shall be cleaned and straightened to bond into the new concrete. Dowels (#5 deformed bars) shall be inserted across the top of box as shown in sketch. Butt extensions against existing culvert. This work shall be subsidiary to the bid item "Grade 4.0 Concrete".

Flared Wing Extensions

Remove top of hubguard, if necessary, to clear new construction. Dowels (#5 deformed bars) shall be inserted in top, bottom, sides and intermediate walls, as shown in sketch. Butt extensions against existing culvert.

If the existing wingwall has an open vertical joint that interferes with the installation of the dowels, remove part of the wingwall to clear construction. This work shall be subsidiary to the bid item "Grade 4.0 Concrete".

NO.	DATE	REVISIONS	BY	APP'D
08	05-04-05	Class to Grade Conc., notes & details	S.W.K.	J.O.B.
07	04-18-01	Revised General Note	R.J.S.	J.O.B.
06	12-05-00	Rev. General Note flared wing ext.	R.J.S.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

TYPICAL CULVERT_EXTENSIONS

RD080

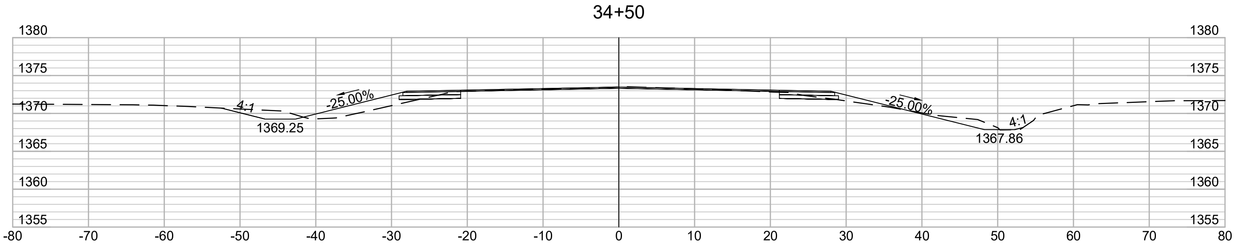
FHWA_APPROVAL	06-10-05	APP'D.	James O. Brewer
DESIGNED	DETAILED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK.

KDOT Graphics Certified 04-15-2022

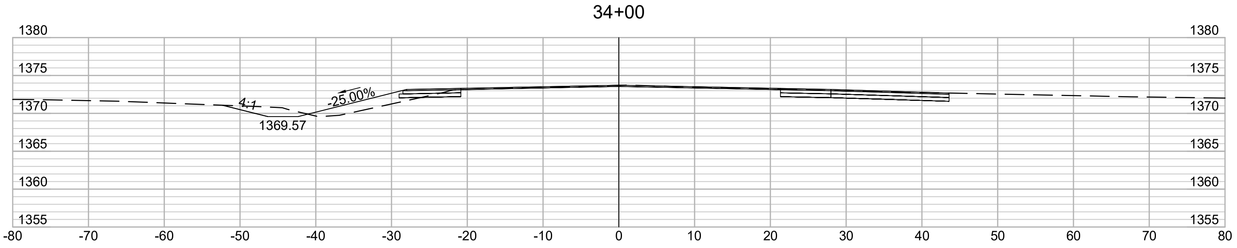
KDOT Graphics Certified

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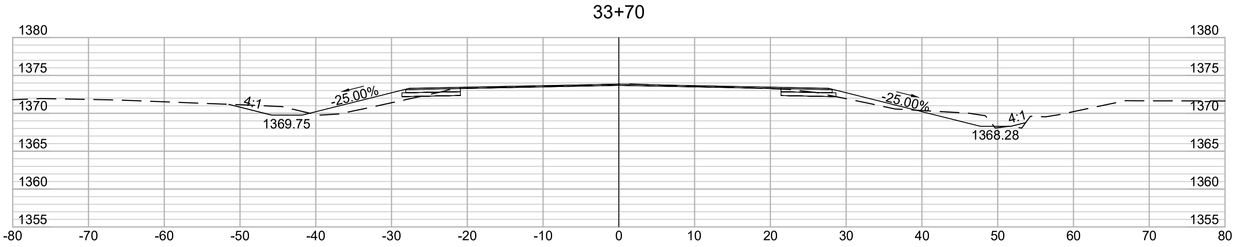
34+50



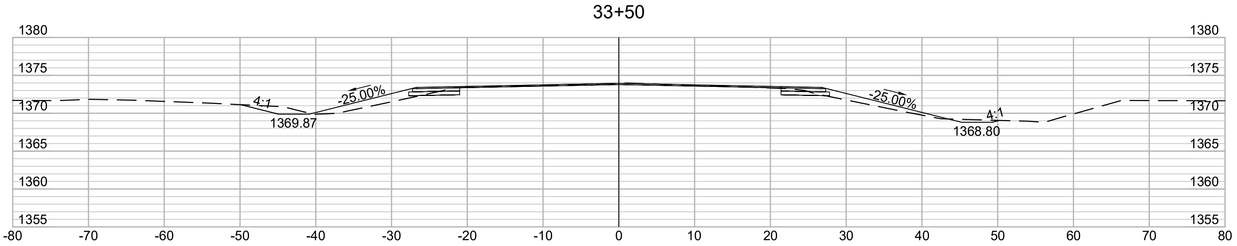
34+00



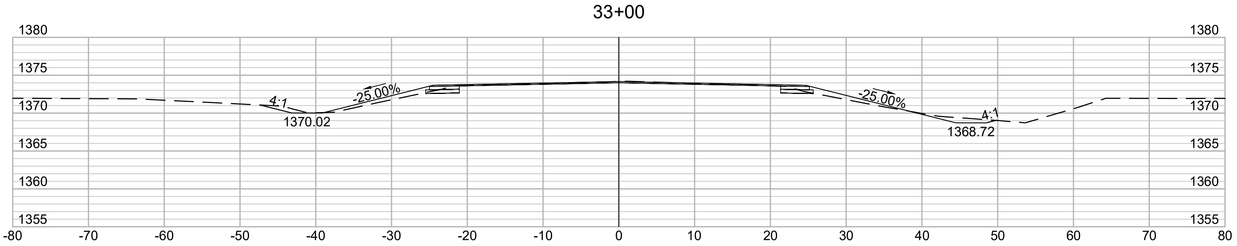
33+70



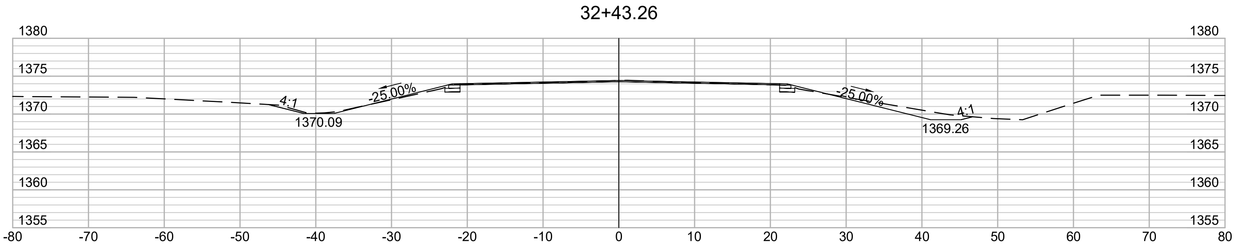
33+50



33+00



32+43.26



SHEET NUMBER 26 OF 49

DRAWING NUMBER

BAR IS ONE INCH ON THIS SHEET. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY. 0 1"

DRAWN BY: DRS
DESIGNED BY: EJG
DATE: JULY 2026
JOB NO.: 2501905

Section Sheet - (1)

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

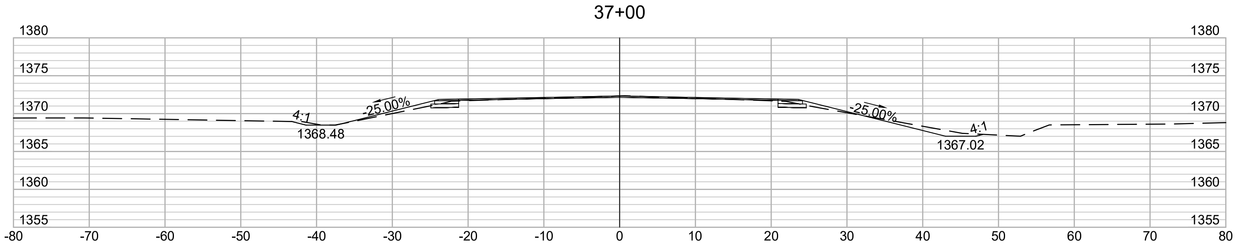
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Wichita, KS 67209
(316) 264-9008

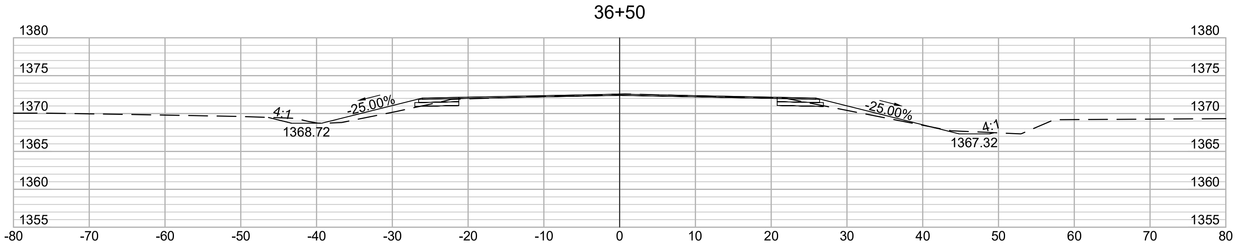
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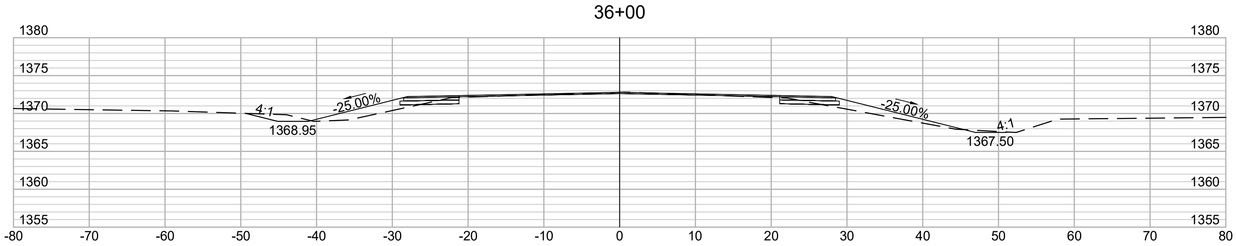
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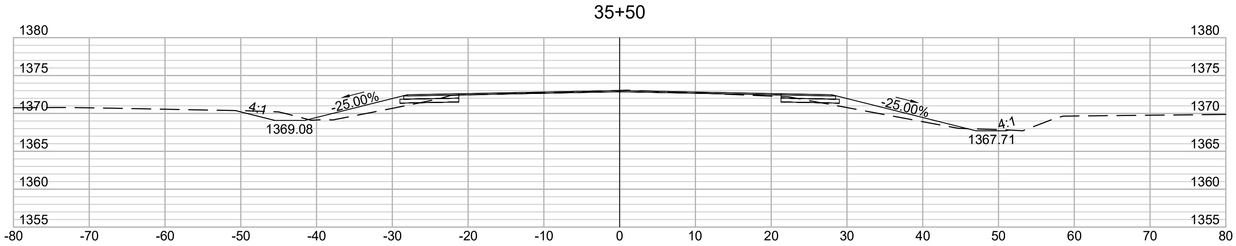
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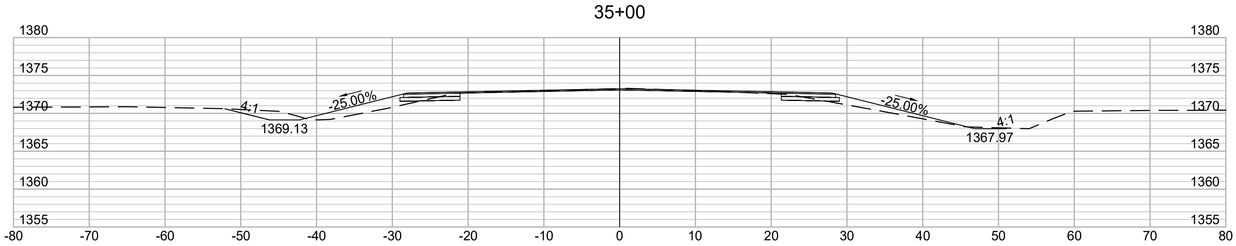
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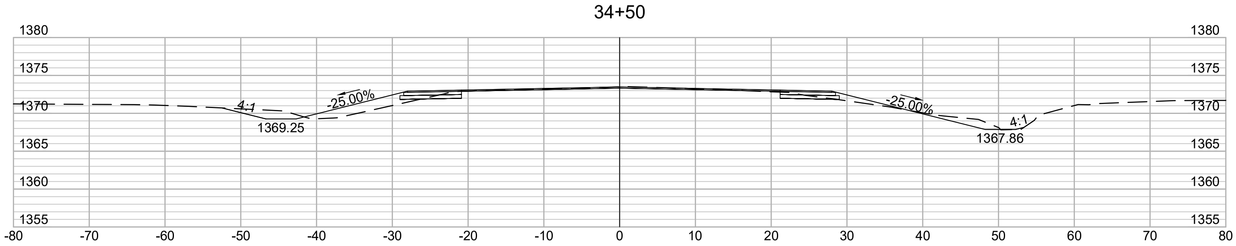
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35+00



34+50



SHEET NUMBER 27 OF 49

DRAWING NUMBER

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JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

Section Sheet - (2)

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

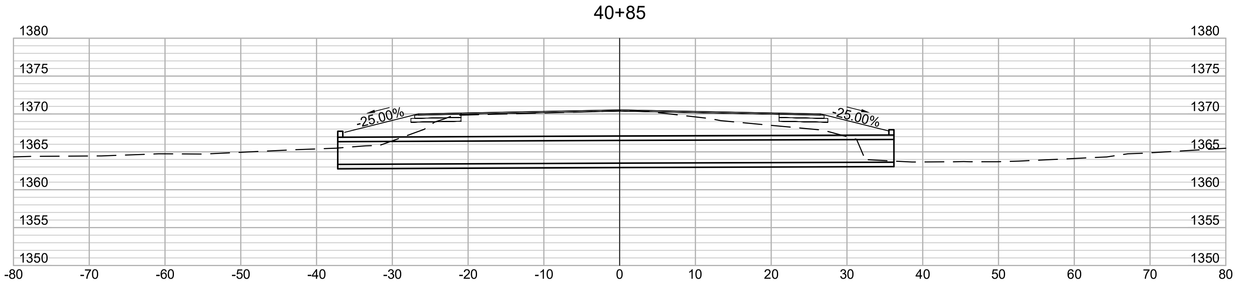
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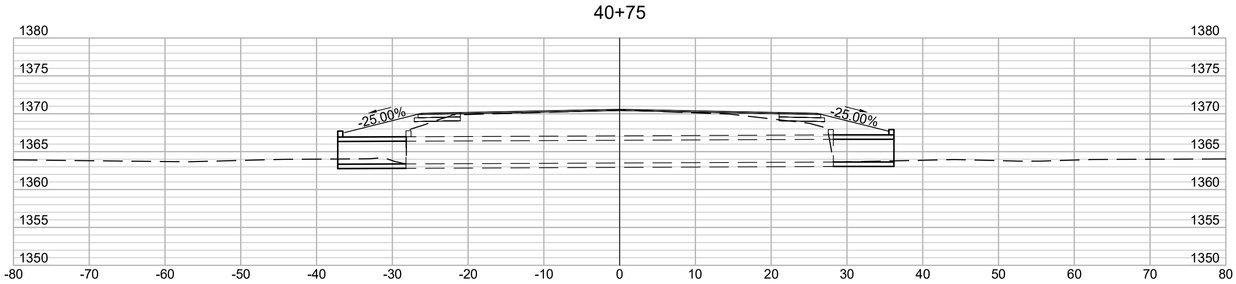
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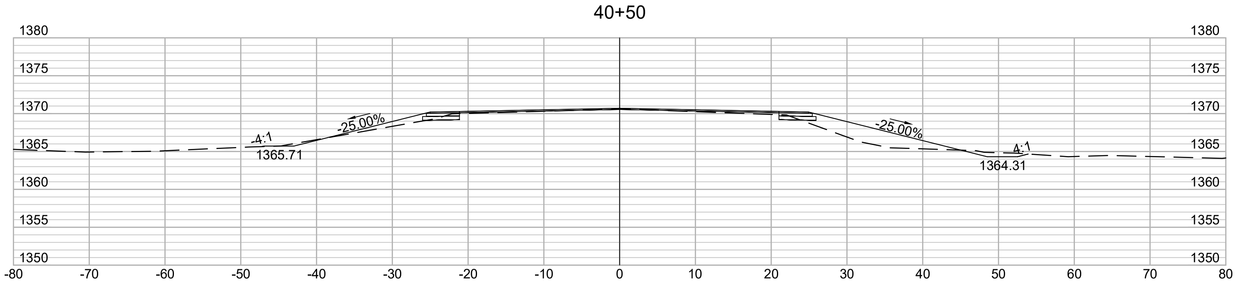
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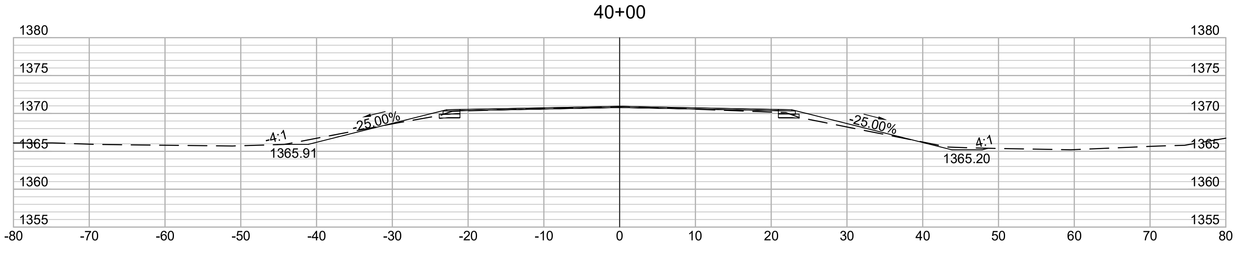
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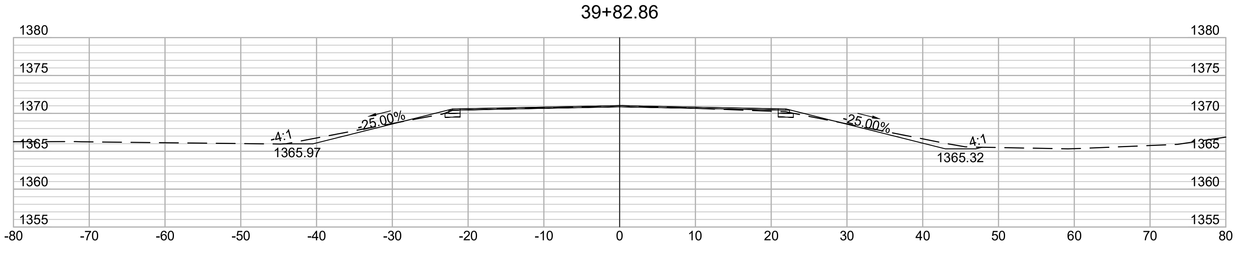
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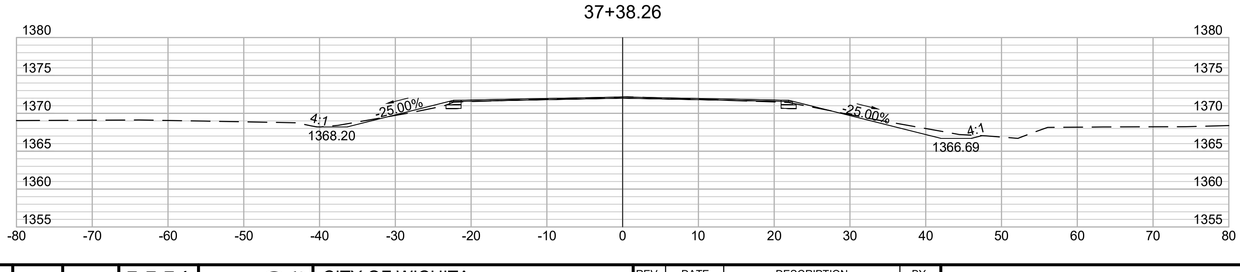
40+00



39+82.86



37+38.26



SHEET NUMBER 28 OF 49

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DESIGNED BY: EJG
DRAWN BY: DRS

Section Sheet - (3)

CITY OF WICHITA
WICHITA, KANSAS

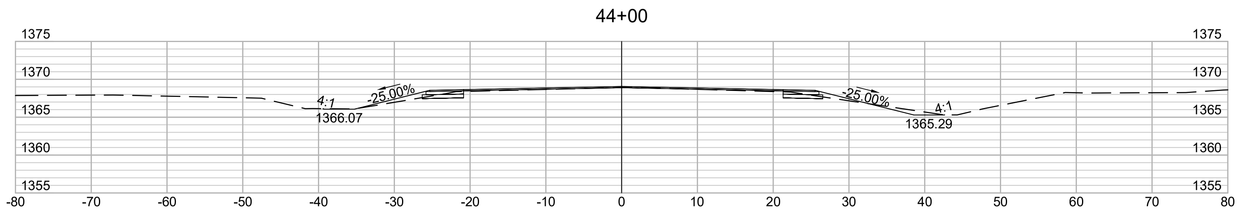
AREA 151
PAVING - PHASE 2

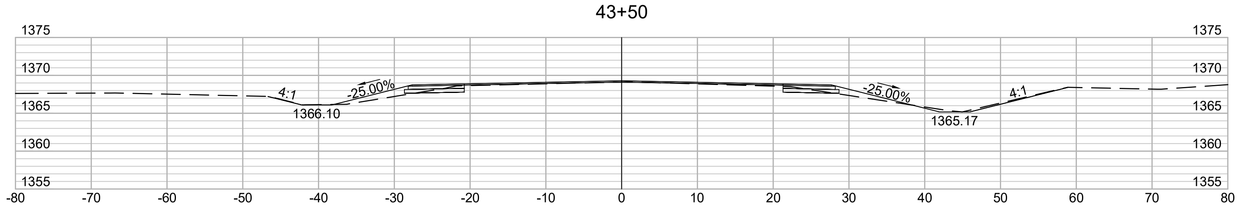
REV.	DATE	DESCRIPTION	BY

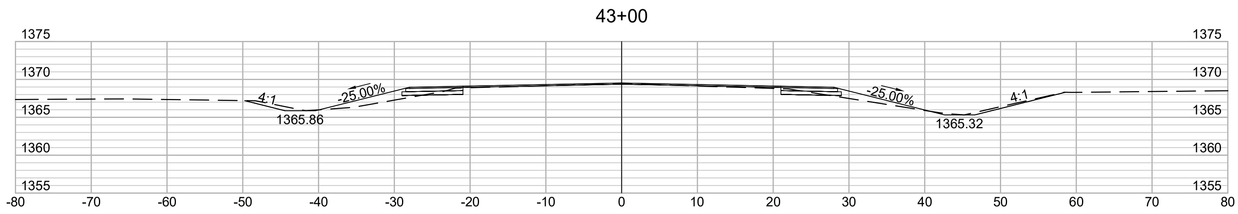
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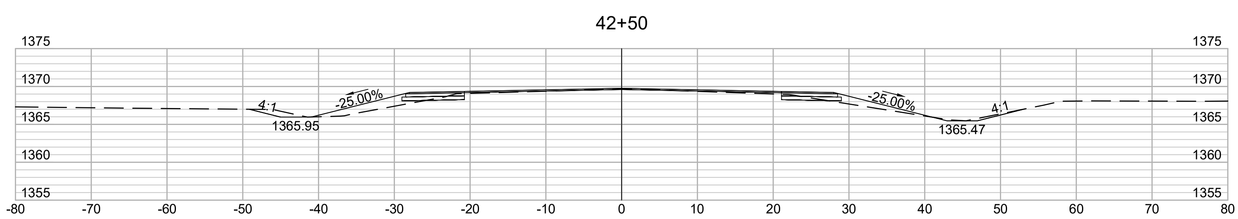
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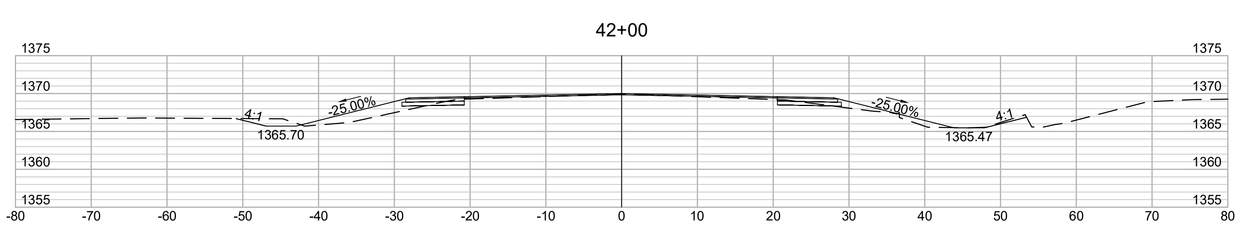
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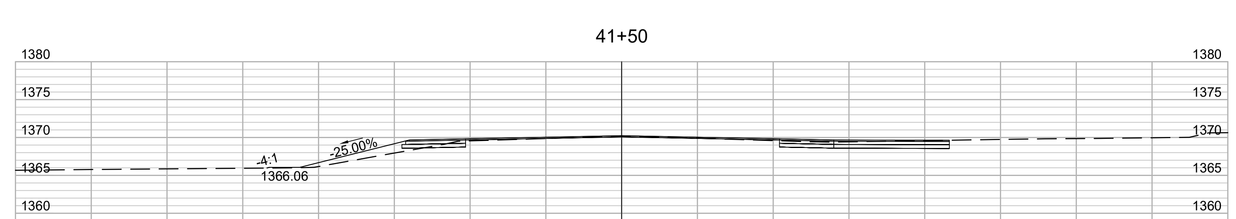


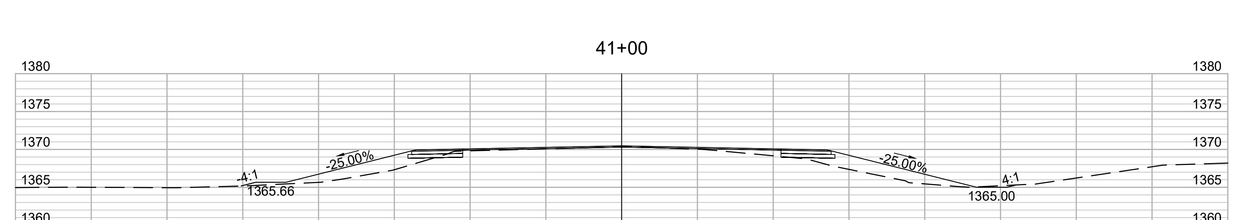












SHEET NUMBER 29 OF 49

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DESIGNED BY: EJG
DRAWN BY: DRS

Section Sheet - (4)

CITY OF WICHITA
WICHITA, KANSAS

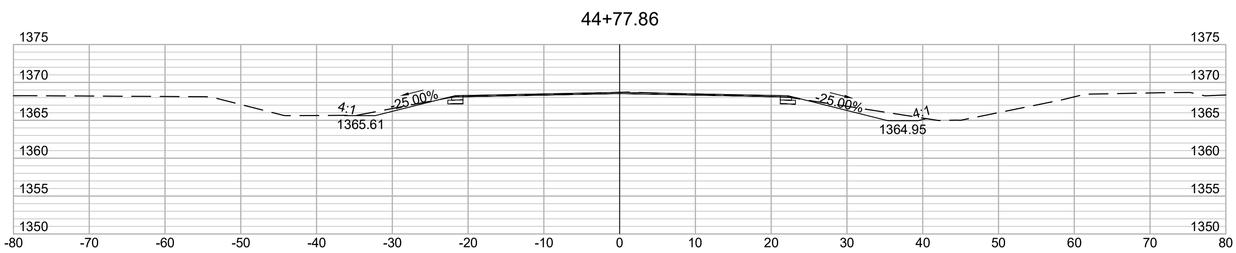
AREA 151
PAVING - PHASE 2

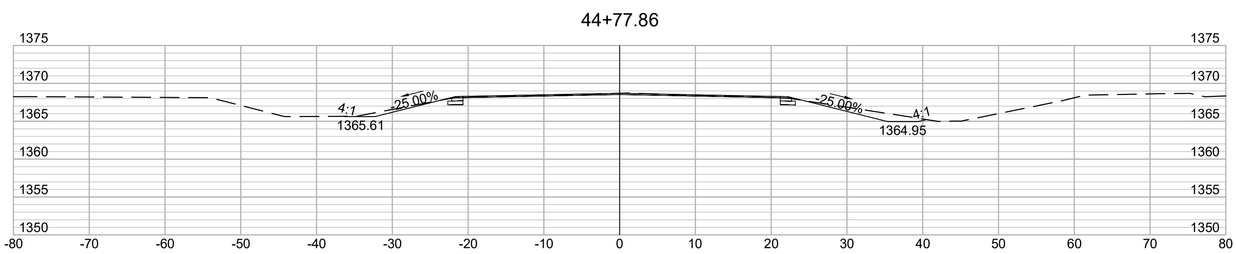
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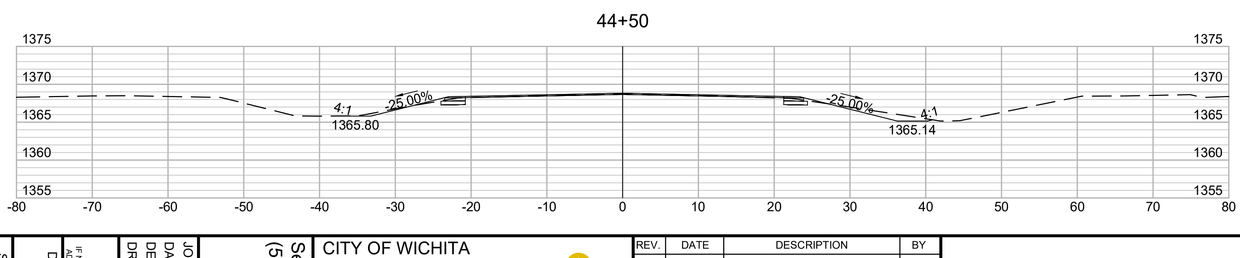
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SHEET NUMBER 30 OF 49

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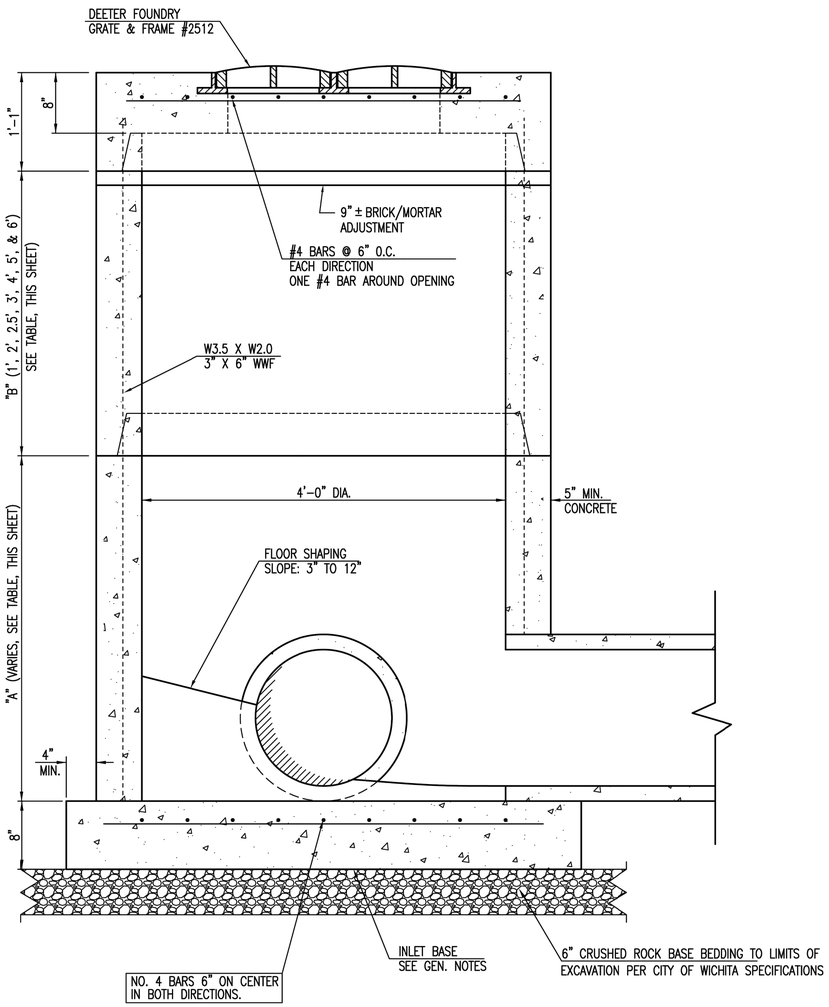
CITY OF WICHITA
WICHITA, KANSAS

AREA 151
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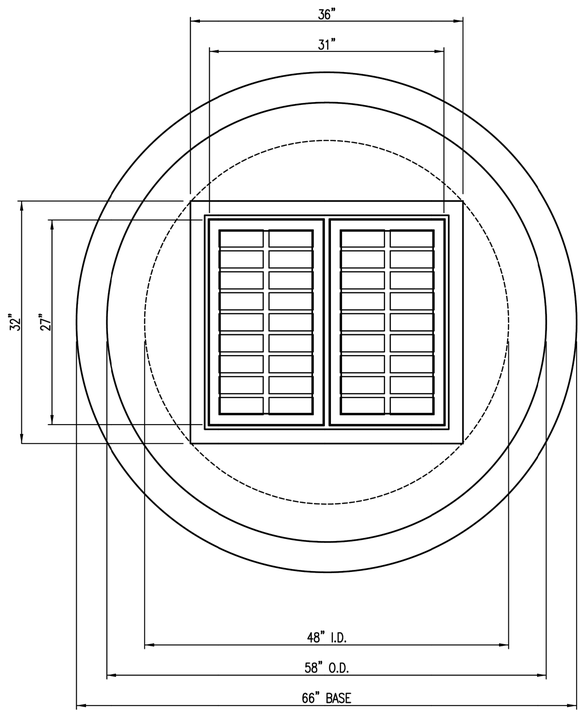
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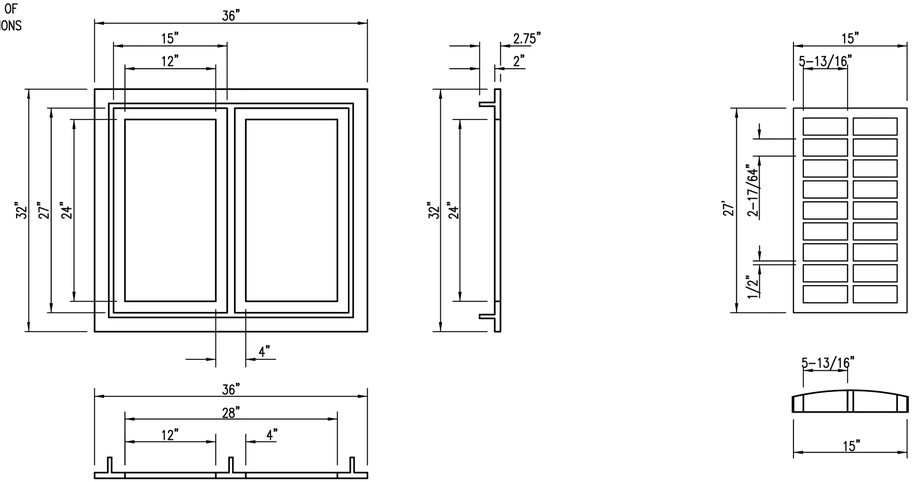


BACKYARD INLET

LINE #	STA.	TOP OF INLET	INLET FLOW	"A"	"B"
1	X+XX.X	XXXX.XX	XXXX.XX	X.XX'	X.XX'

BACKYARD INLETS SHALL NOT BE USED UNDER PAVEMENT





DEETER #2512 CATCH BASIN INLET GRATE & FRAME

GENERAL NOTES

1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN BACKYARD INLET BASES SHALL CONFORM TO THE REQUIREMENTS FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE CEMENT MIX WITHOUT AIR ENTRAINING.

2. REINFORCING STEEL SHALL BE INSTALLED IN THE BACKYARD INLET BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE BACKYARD INLET BASE REINFORCEMENT SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE BACKYARD INLET BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BACKYARD INLET.

3. THE FLOORS OF ALL BACKYARD INLET SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE INLETS WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS. INLET FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH INLETS SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE INLET. INLET FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.

4. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE INLET SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE INLET EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE INLET. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN INLET EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO INLET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE INLET.

5. INLET GRATE CASTINGS AND INLET FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.

6. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.

7. JOINTS BETWEEN INLET SECTIONS TO BE SEALED WITH TWO WRAPS OF EXTRUDED BUTYL RUBBER JOINT MASTIC MEETING CITY OF WICHITA TYPE "A" MANHOLE SPECIFICATIONS.

8. BACKYARD INLETS SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH. ALL STANDARD BACKYARD INLET DIAMETERS WILL BE 4'.

9. CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.

REVISED: MARCH 2015

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

BACKYARD INLET

CITY ENGINEER
GARY JANZEN, P.E.

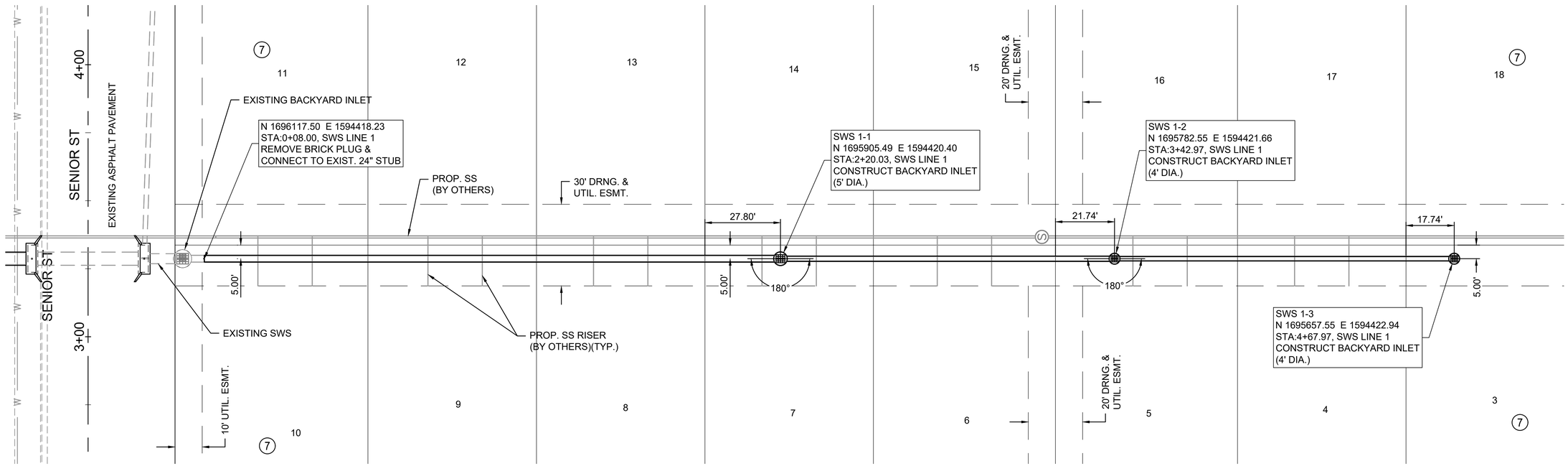
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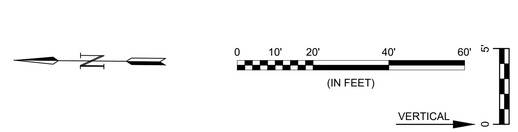
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

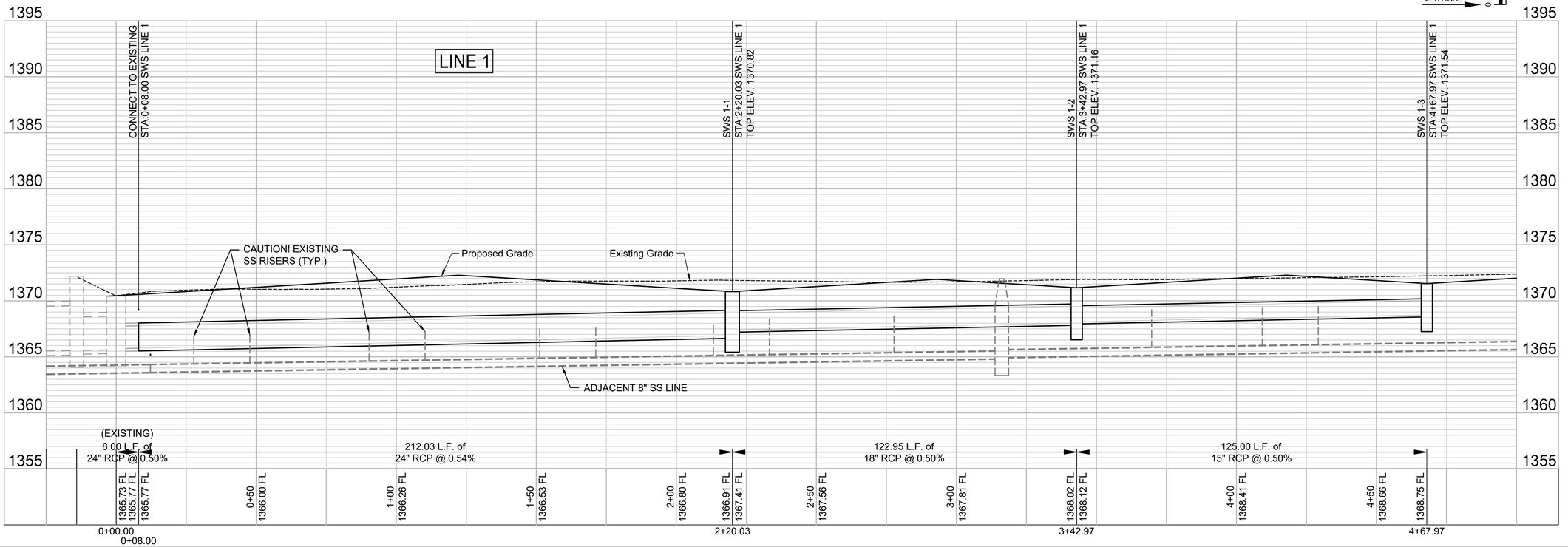
SHEET 31 / 49

SW-203

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

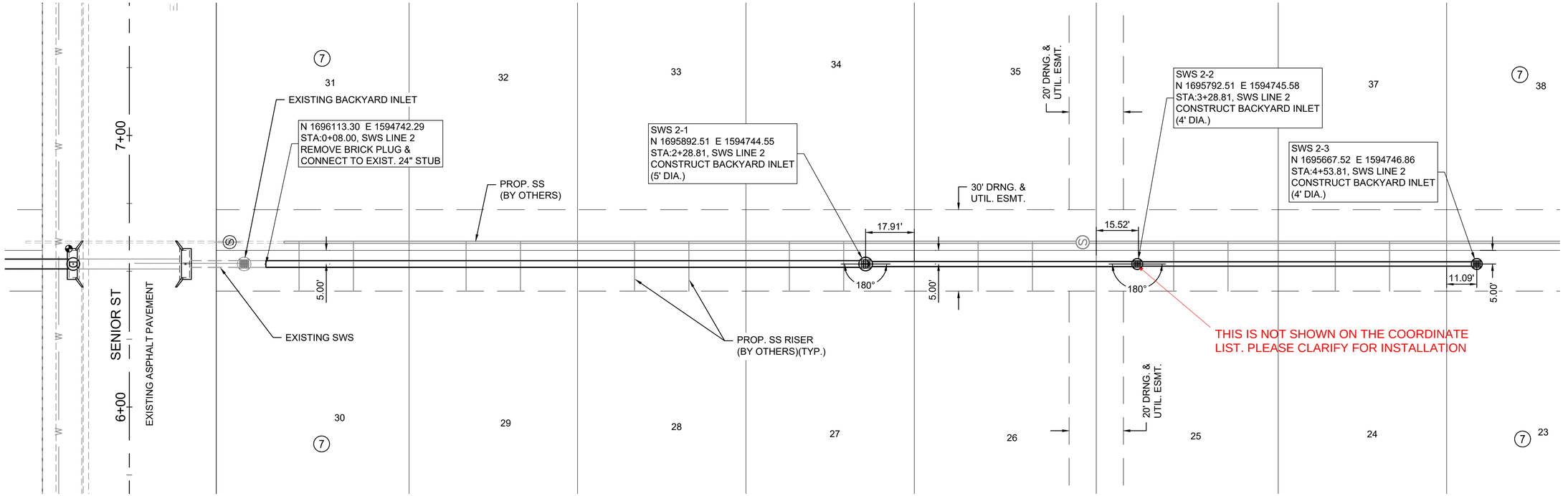
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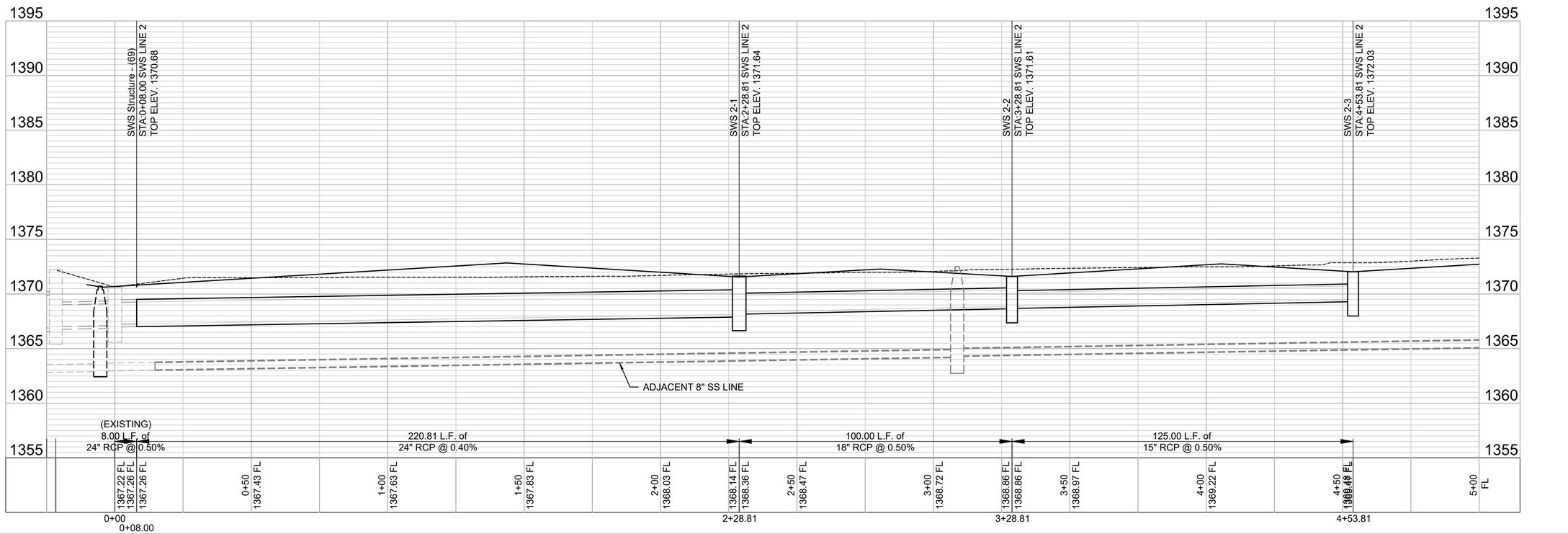
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
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SHEET NUMBER 32 OF 49





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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

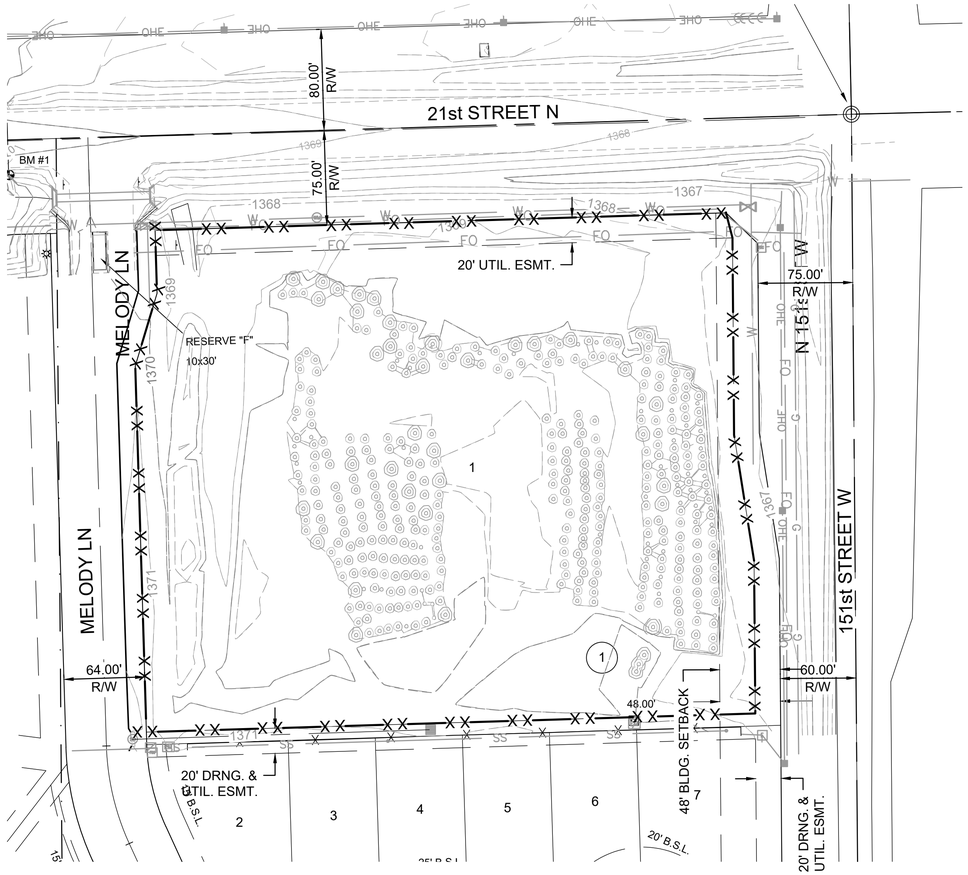
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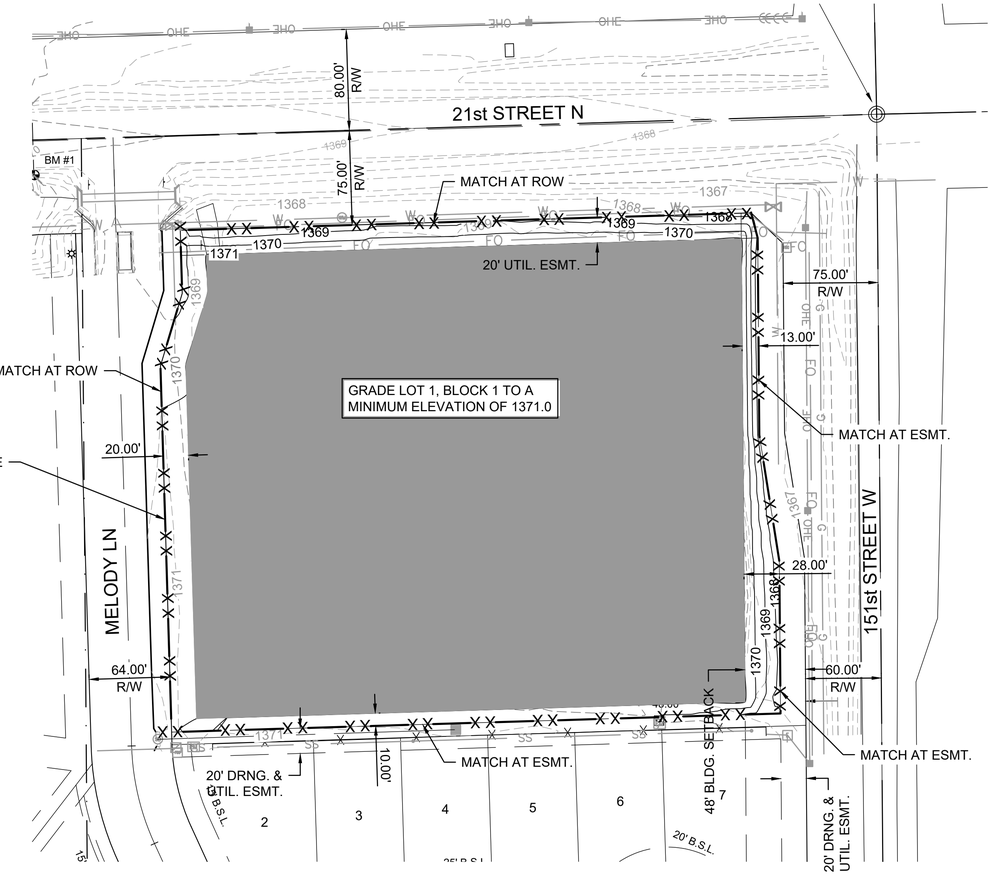
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SHEET NUMBER 33 OF 49



COMMERCIAL LOT (LOT 1 BLOCK 1) EXISTING SURFACE



COMMERCIAL LOT (LOT 1 BLOCK 1) PROPOSED SURFACE

SHADED AREA = ELEV. 1371.0 (MIN.)

—X X— INSTALL SILT FENCE (1734 L.F.)

CONTRACTOR TO GRADE THE COMMERCIAL LOT AS INDICATED. FILL TO BE PLACED IN 1' LIFTS AND COMPACTED TO 90%. VISUAL INSPECTION IS ACCEPTABLE. EXISTING QUANTITIES HAVE BEEN MEASURED TO THE BEST OF OUR ABILITY. EXCAVATION FOR THIS LOT IS PAID UNDER "COMMERCIAL LOT GRADING, LUMP SUM". EXCESS EXCAVATION FROM THE STREET AND EASEMENT GRADING (1284 CY) WILL BE USED TO GRADE THIS LOT. ADDITIONAL FILL REQUIRED IS ANTICIPATED TO BE 2891 CY AND WILL BE PAID AS "CONTRACTOR FURNISHED BORROW, CUBIC YARDS".

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WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

COMMERCIAL LOT GRADING PLAN

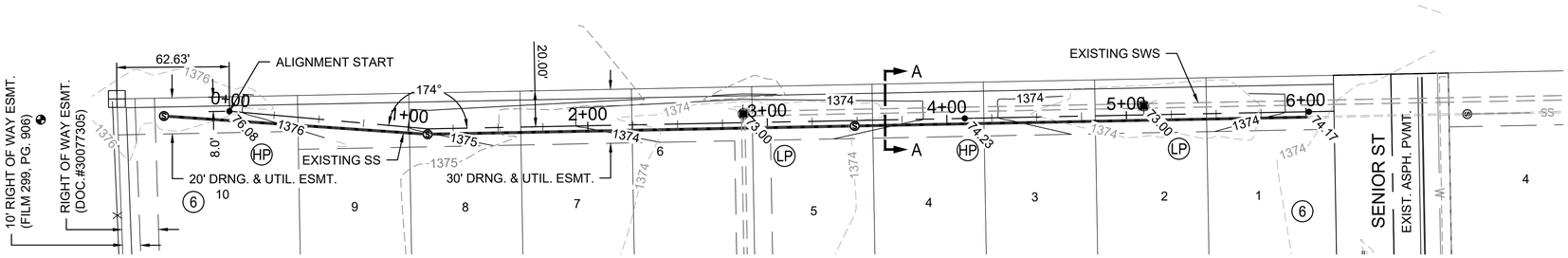
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

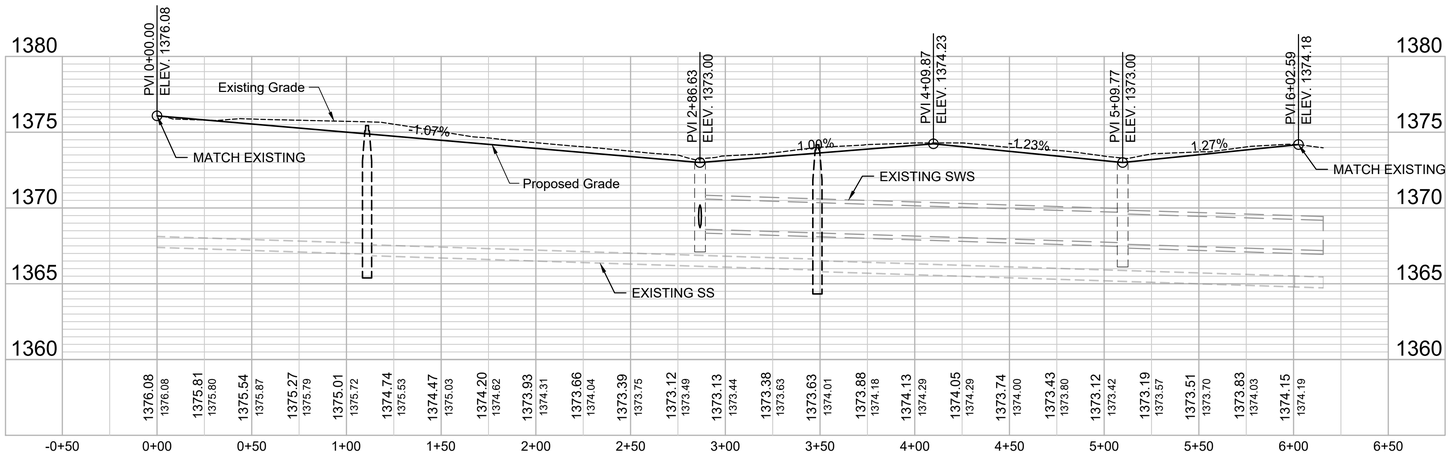
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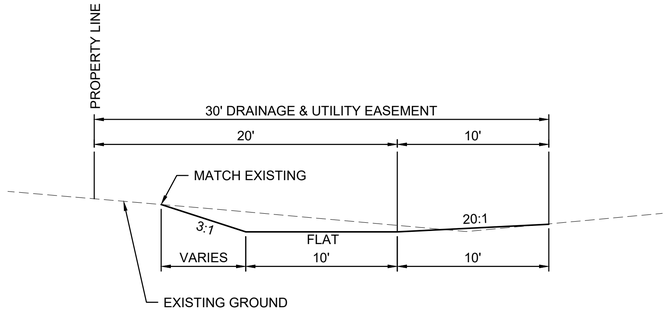
DRAWING NUMBER

SHEET NUMBER 34 OF 49

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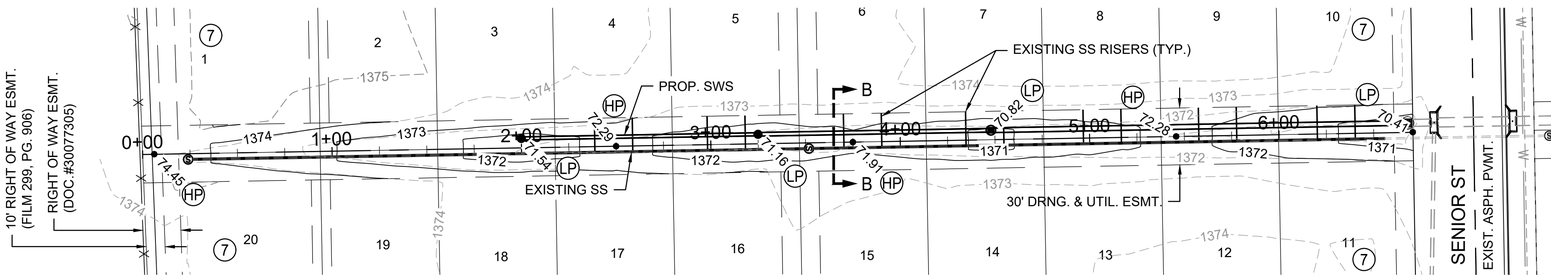


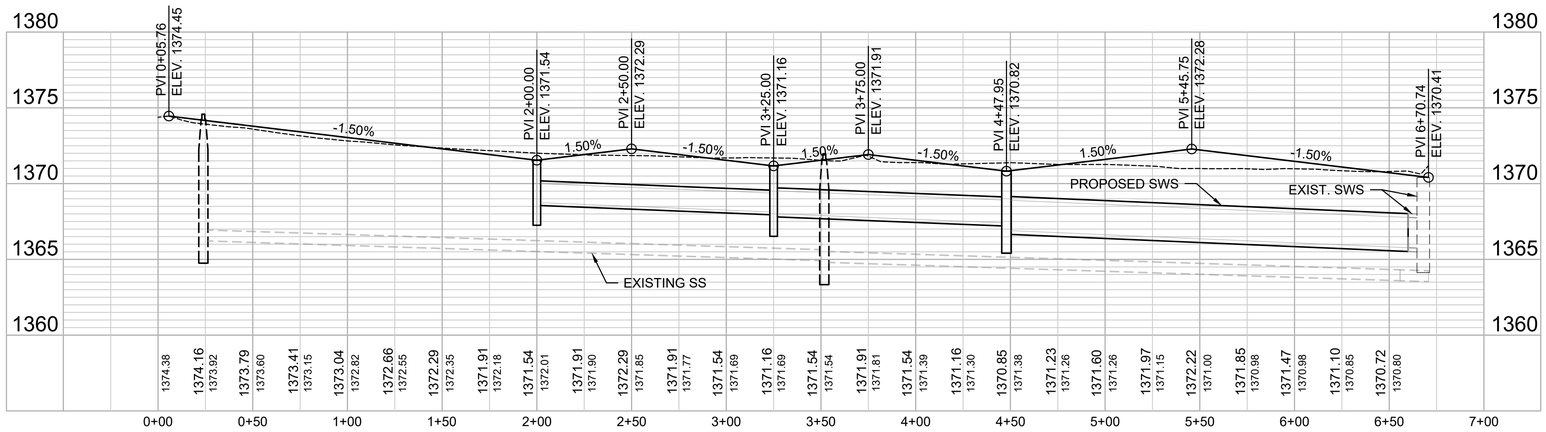


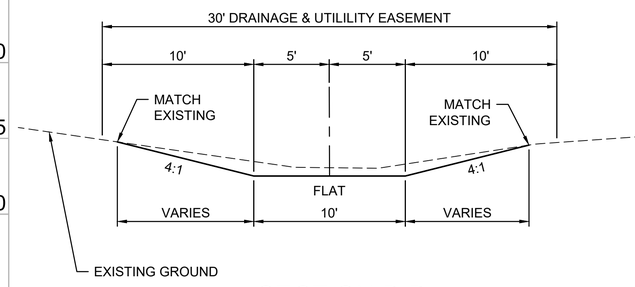


SECTION A-A

EASEMENT BEHIND LOTS 1-10 BLOCK 6







SECTION B-B

EASEMENT BEHIND LOTS 1-10 BLOCK 7

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AREA 151
PAVING - PHASE 2

EASEMENT
LOTS 1-10 B6 &
LOTS 1-10 B7

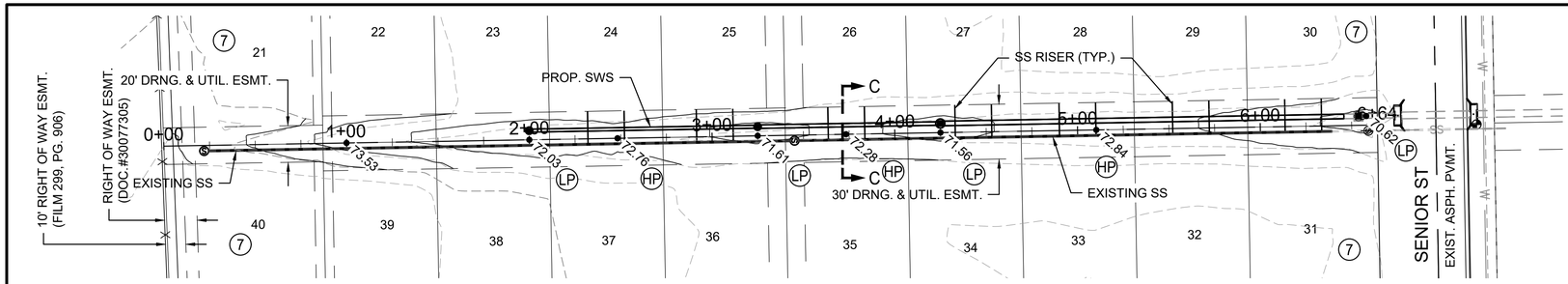
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

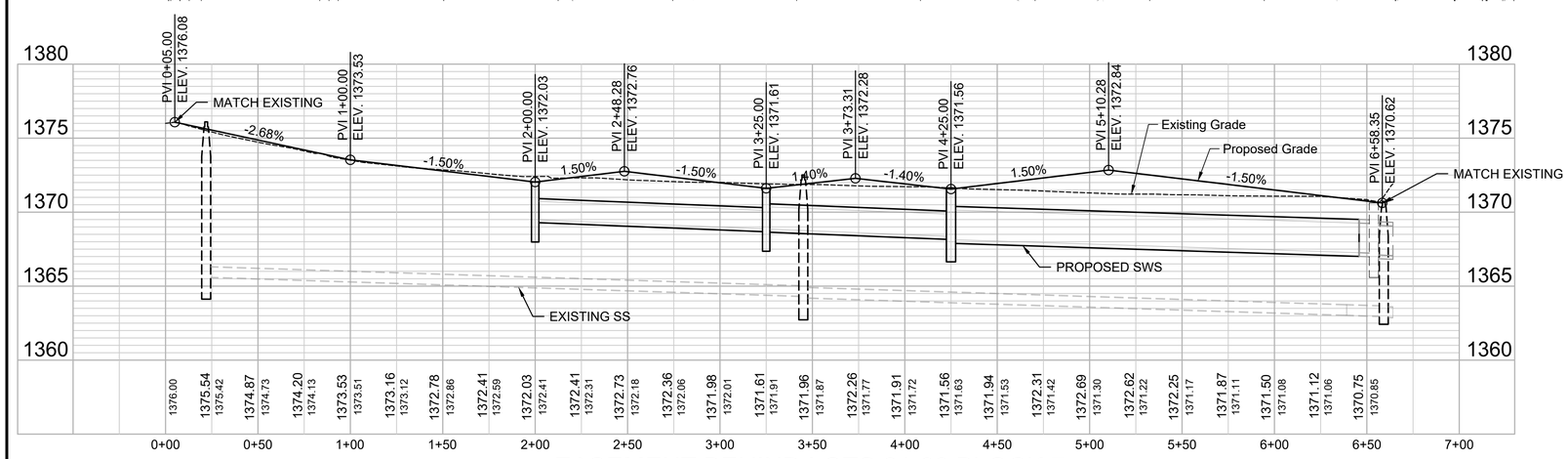
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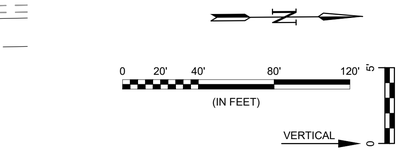
SHEET NUMBER 35 OF 49

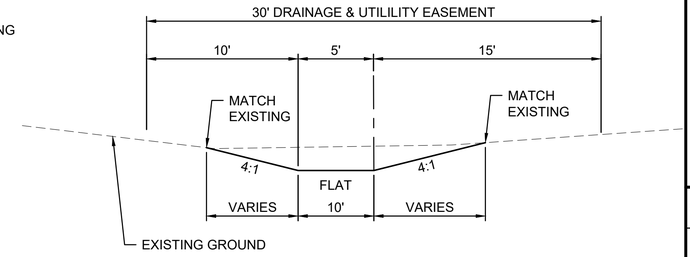
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:54 PM Plotter used: None



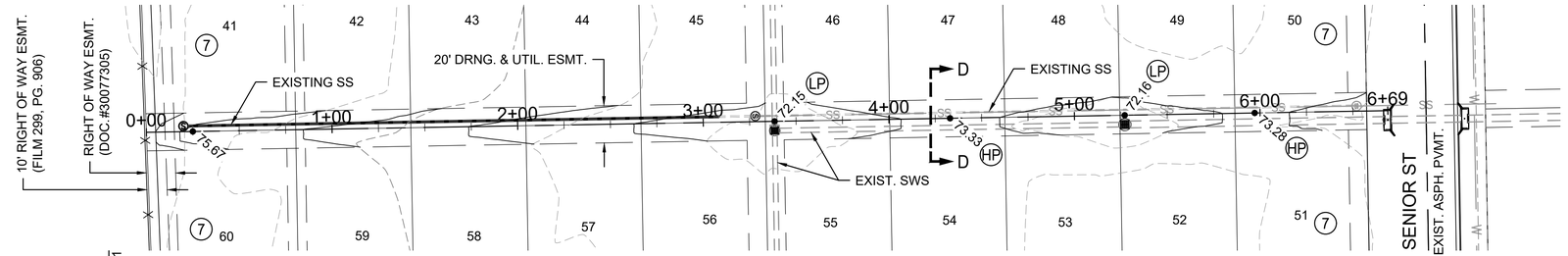


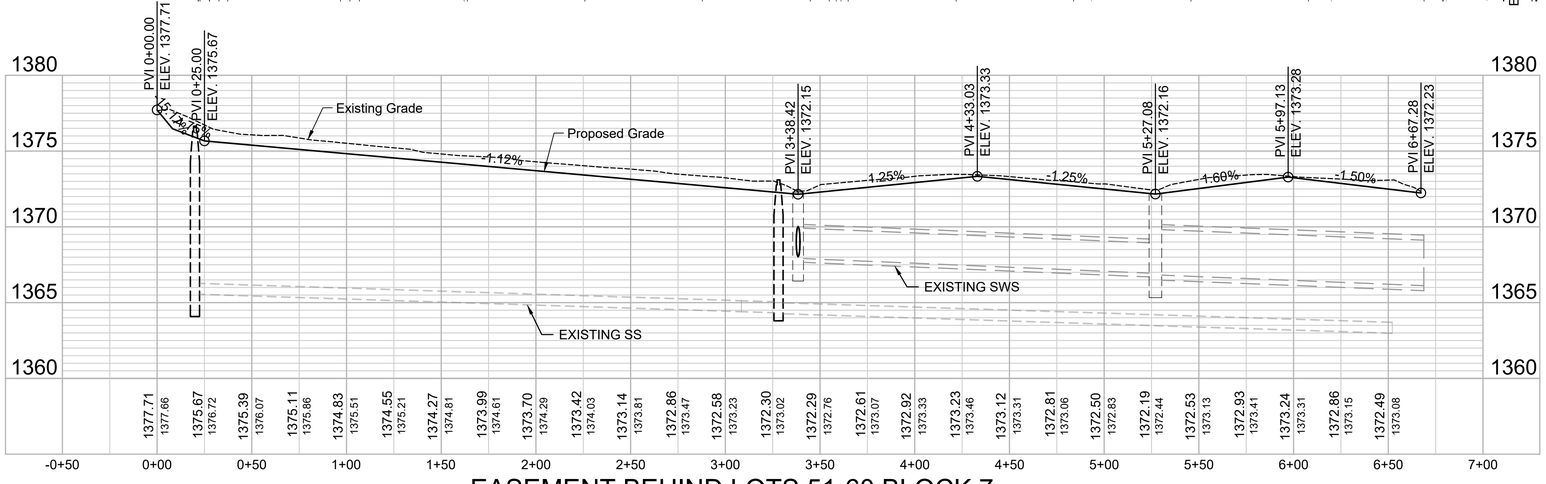
EASEMENT BEHIND LOTS 21-30 BLOCK 7



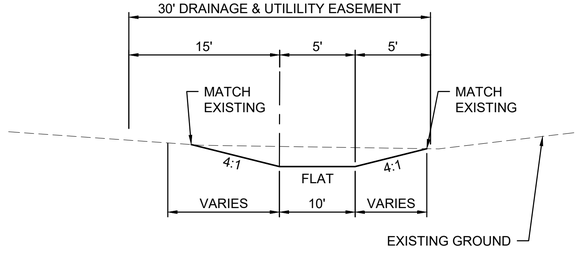


SECTION C-C





EASEMENT BEHIND LOTS 51-60 BLOCK 7



SECTION D-D

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AREA 151
PAVING - PHASE 2

EASEMENT LOTS 21-30 B6 & LOTS 51-60 B7

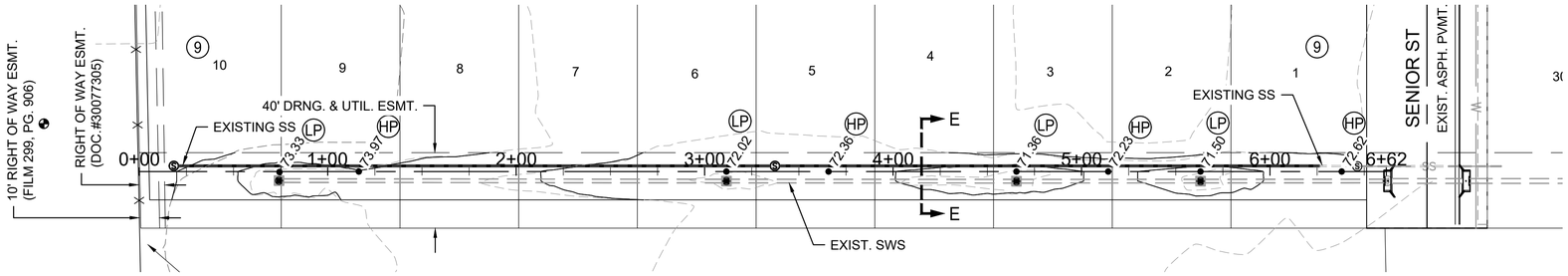
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

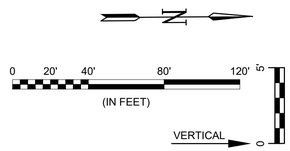
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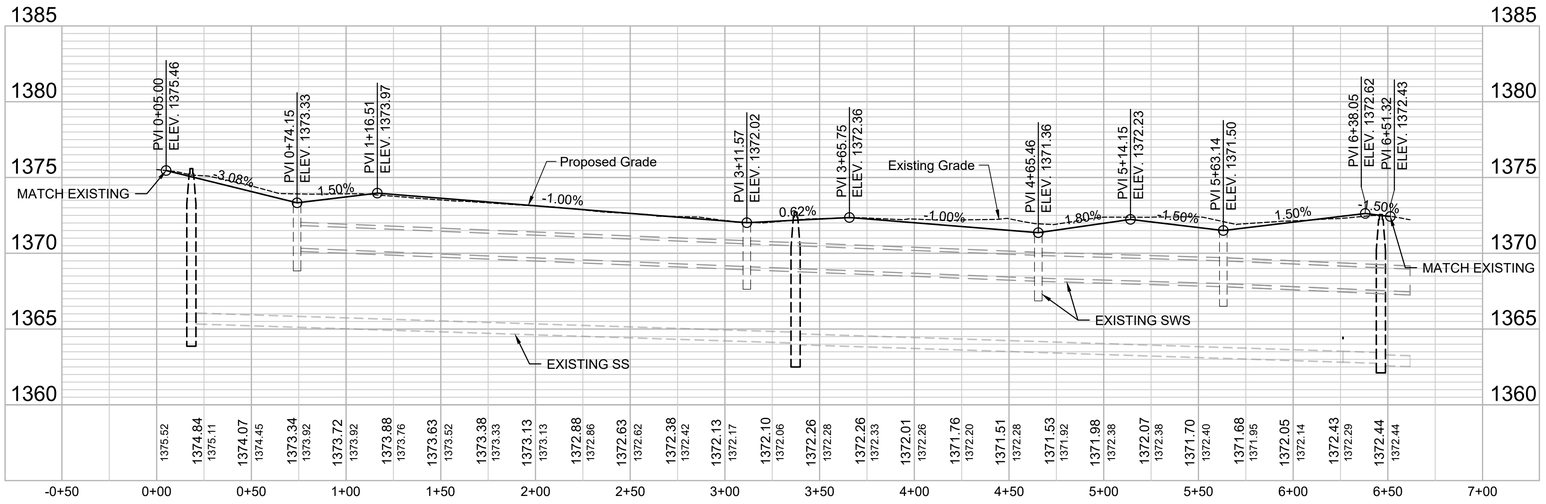
DRAWING NUMBER

SHEET NUMBER 36 OF 49

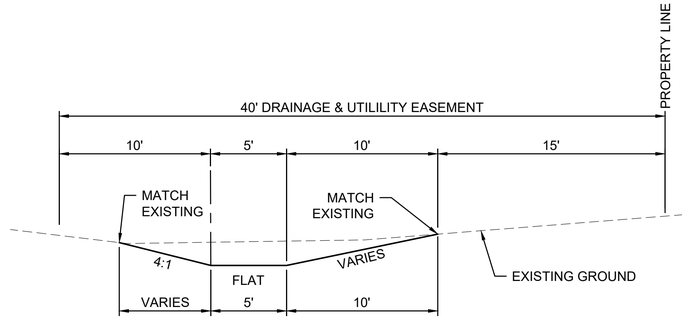
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:55 PM Plotter used: None







EASEMENT BEHIND LOTS 1-10 BLOCK 9



SECTION E-E

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WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

EASEMENT
LOTS 1-10 B9

JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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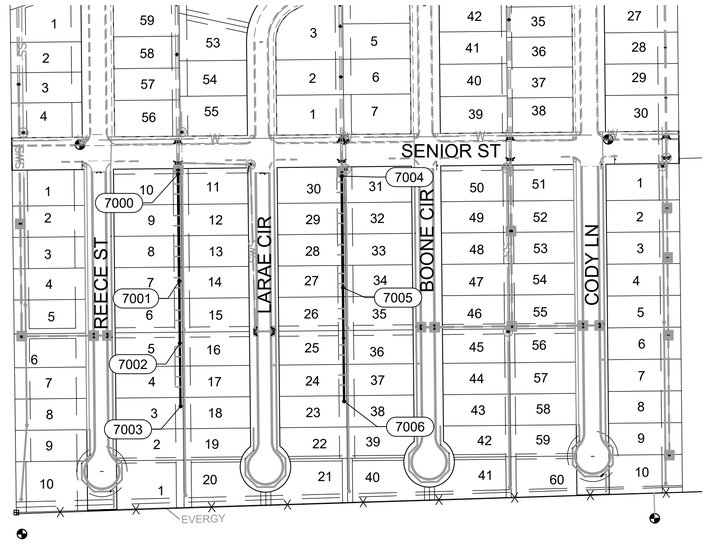
DRAWING NUMBER

SHEET NUMBER 37 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:55 PM Plotter used: None



ADDITION POINTS



STORM SEWER POINTS

Storm Water Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
7000	1696117.50	1594418.23	1696019.02	1594325.66	CONNECT TO EXIST
7001	1695905.49	1594420.40	1695807.02	1594327.83	BACKYARD INLET
7002	1695782.55	1594421.66	1695684.09	1594329.09	BACKYARD INLET
7003	1695657.55	1594422.94	1695559.10	1594330.37	BACKYARD INLET
7004	1696113.30	1594742.29	1696014.83	1594649.70	CONNECT TO EXIST
7005	1695892.51	1594744.55	1695794.04	1594651.96	BACKYARD INLET
7006	1695667.52	1594746.86	1695569.07	1594654.27	BACKYARD INLET

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REV.	DATE	DESCRIPTION	BY

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AREA 151
PAVING - PHASE 2

COORDINATE MAP ADDITION

JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

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DRAWING NUMBER

SHEET NUMBER 38 OF 49

File: L:\2025\T41-2501905 - Area 151 Ph 2\Drawings\DESIGN\T41-2501905 ADDITION COORDINATES.dwg Last Save: 7/7/2026 5:17 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 5:21 PM Plotter used: None

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
100	1698090.96	1596614.61	1697992.37	1596521.91	ADDITION COR
101	1698066.72	1596639.80	1697968.13	1596547.10	ADDITION COR
102	1697916.68	1596641.03	1697818.10	1596548.33	ADDITION COR
103	1697817.12	1596656.85	1697718.55	1596564.15	ADDITION COR
104	1697032.94	1596663.28	1696934.41	1596570.58	ADDITION COR
105	1697020.39	1596253.49	1696921.86	1596160.81	ADDITION COR
106	1696834.39	1596255.02	1696735.88	1596162.34	ADDITION COR
107	1696808.30	1595403.21	1696709.78	1595310.58	ADDITION COR
108	1695487.97	1595416.73	1695389.53	1595324.10	ADDITION COR
109	1695447.40	1594097.83	1695348.96	1594005.28	ADDITION COR
110	1697233.15	1594075.92	1697134.60	1593983.37	ADDITION COR
111	1697466.71	1594648.32	1697368.16	1594555.74	ADDITION COR
112	1697935.09	1594852.42	1697836.50	1594759.82	ADDITION COR
113	1698007.29	1595347.40	1697908.70	1595254.77	ADDITION COR
114	1698073.75	1596050.29	1697975.16	1595957.63	ADDITION COR
115	1698077.17	1596162.53	1697978.58	1596069.86	BLOCK COR
116	1698027.19	1596164.05	1697928.61	1596071.38	PI
117	1697969.73	1596146.80	1697871.15	1596054.12	PI
118	1697669.78	1596155.95	1697571.21	1596063.27	PC
119	1697604.88	1596171.16	1697506.32	1596078.48	PT
120	1697535.22	1596203.10	1697436.66	1596110.42	BLOCK COR
121	1697541.47	1596245.86	1697442.91	1596153.18	PT
122	1697549.54	1596509.32	1697450.98	1596416.62	PC
123	1697485.57	1596511.28	1697387.02	1596418.58	PT
124	1697477.50	1596247.82	1697378.95	1596155.14	PC
125	1697351.53	1596126.65	1697252.99	1596033.98	PT
126	1697208.70	1596127.82	1697110.16	1596035.15	BLOCK COR
127	1697225.06	1596661.71	1697126.51	1596569.00	BLOCK COR
128	1697167.04	1596662.18	1697068.51	1596569.48	BLOCK COR
129	1697150.69	1596128.30	1697052.15	1596035.63	BLOCK COR
130	1697120.98	1596128.54	1697022.44	1596035.87	PC
131	1696955.71	1595969.57	1696857.19	1595876.91	PT
132	1696936.88	1595354.86	1696838.36	1595262.23	PC
133	1696835.90	1595257.92	1696737.39	1595165.30	PT
134	1696200.94	1595264.42	1696102.46	1595171.80	BLOCK COR
135	1696202.42	1595409.42	1696103.94	1595316.79	BLOCK COR
136	1698074.64	1596079.57	1697976.05	1595986.90	BLOCK COR
137	1697667.83	1596091.98	1697569.26	1595999.31	PC
138	1697578.20	1596112.98	1697479.64	1596020.31	PT
139	1697508.54	1596144.92	1697409.99	1596052.25	BLOCK COR
140	1697351.01	1596062.65	1697252.46	1595969.99	PT
141	1697120.45	1596064.55	1697021.92	1595971.88	PC
142	1697019.68	1595967.61	1696921.15	1595874.95	PT
143	1697014.41	1595795.45	1696915.88	1595702.80	BLOCK COR
144	1697246.02	1595793.55	1697147.47	1595700.90	PC
145	1697245.54	1595735.55	1697147.00	1595642.90	PT
146	1697012.63	1595737.46	1696914.10	1595644.81	BLOCK COR
147	1697002.99	1595422.61	1696904.46	1595329.98	BLOCK COR
148	1697234.60	1595420.71	1697136.05	1595328.08	PC
149	1697234.12	1595362.72	1697135.58	1595270.09	PT

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
150	1697001.21	1595364.63	1696902.68	1595272.00	BLOCK COR
151	1697000.85	1595352.90	1696902.32	1595260.27	PC
152	1696835.25	1595193.93	1696736.73	1595101.31	PT
153	1696200.28	1595200.43	1696101.80	1595107.81	BLOCK COR
154	1696197.59	1594937.44	1696099.11	1594844.84	BLOCK COR
155	1696450.92	1594934.85	1696352.42	1594842.25	PC
156	1696530.15	1594906.61	1696431.65	1594814.01	PT
157	1696555.07	1594920.18	1696456.57	1594827.57	PC
158	1696602.87	1594832.34	1696504.37	1594739.74	PT
159	1696577.95	1594818.78	1696479.45	1594726.18	PC
160	1696561.87	1594742.32	1696463.37	1594649.73	PT
161	1696492.10	1594619.03	1696393.60	1594526.44	PC
162	1696378.51	1594553.57	1696280.01	1594460.99	PT
163	1696193.68	1594555.46	1696095.20	1594462.88	BLOCK COR
164	1696190.99	1594292.47	1696092.51	1594199.91	BLOCK COR
165	1696984.73	1594284.35	1696886.21	1594191.79	PC
166	1697125.15	1594377.67	1697026.62	1594285.11	PT
167	1697173.83	1594496.96	1697075.29	1594404.39	BLOCK COR
168	1696962.13	1594583.34	1696863.60	1594490.76	PC
169	1696938.34	1594655.69	1696839.81	1594563.10	PT
170	1697195.74	1594550.67	1697097.20	1594458.09	BLOCK COR
171	1697255.85	1594698.01	1697157.31	1594605.42	PC
172	1697306.12	1594782.60	1697207.57	1594690.01	PT
173	1697286.84	1594793.01	1697188.30	1594700.42	PT
174	1697104.53	1594866.96	1697005.99	1594774.37	PC
175	1697172.07	1594902.16	1697073.53	1594809.56	PT
176	1697308.64	1594846.76	1697210.10	1594754.16	PC
177	1697346.99	1594824.49	1697248.44	1594731.89	BLOCK COR
178	1697430.63	1594876.94	1697332.08	1594784.34	PT
179	1697634.55	1594965.80	1697535.99	1594873.20	PC
180	1697746.66	1595112.56	1697648.09	1595019.95	PT
181	1697770.11	1595273.31	1697671.54	1595180.68	PC
182	1697822.81	1595371.65	1697724.24	1595279.03	BLOCK COR
183	1697797.73	1595478.85	1697699.16	1595386.21	PT
184	1697824.83	1595765.49	1697726.26	1595672.84	PC
185	1697882.58	1595760.03	1697784.00	1595667.38	PT
186	1697855.47	1595473.39	1697756.89	1595380.75	PC
187	1697872.14	1595402.17	1697773.56	1595309.54	BLOCK COR
188	1697937.39	1595413.56	1697838.81	1595320.93	PT
189	1698013.32	1595411.24	1697914.74	1595318.61	BLOCK COR
190	1697654.56	1596092.76	1697556.00	1596000.09	BLOCK COR
191	1697486.99	1595963.75	1697388.44	1595871.09	BLOCK COR
192	1697341.69	1595932.73	1697243.15	1595840.07	BLOCK COR
193	1697331.34	1595594.88	1697232.80	1595502.24	BLOCK COR
194	1697008.35	1595597.53	1696909.82	1595504.89	BLOCK COR
195	1697007.27	1595562.54	1696908.74	1595469.90	BLOCK COR
196	1697330.27	1595559.89	1697231.73	1595467.25	BLOCK COR
197	1697319.92	1595222.05	1697221.38	1595129.43	BLOCK COR
198	1697106.05	1595181.83	1697007.52	1595089.21	BLOCK COR
199	1696779.64	1594863.17	1696681.12	1594770.58	BLOCK COR

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
200	1696528.29	1594419.03	1696429.79	1594326.46	BLOCK COR
201	1696519.09	1594289.12	1696420.59	1594196.55	BLOCK COR
202	1696660.87	1594287.66	1696562.36	1594195.10	BLOCK COR
203	1696662.06	1594404.05	1696563.55	1594311.48	BLOCK COR
204	1696771.22	1594467.07	1696672.71	1594374.49	BLOCK COR
205	1696943.85	1594791.86	1696845.32	1594699.26	BLOCK COR
206	1697008.99	1594765.43	1696910.46	1594672.84	BLOCK COR
207	1697077.03	1594932.19	1696978.50	1594839.58	BLOCK COR
208	1697185.40	1594896.75	1697086.86	1594804.15	BLOCK COR
209	1697230.50	1595007.95	1697131.96	1594915.34	BLOCK COR
210	1697301.85	1594979.01	1697203.31	1594886.40	BLOCK COR
211	1697598.95	1595108.47	1697500.39	1595015.86	BLOCK COR
212	1697664.89	1595594.89	1697566.32	1595502.25	BLOCK COR
213	1697686.11	1595858.91	1697587.54	1595766.25	BLOCK COR
214	1698024.48	1595847.91	1697925.89	1595755.26	BLOCK COR
215	1697935.44	1595349.59	1697836.86	1595256.96	PC
216	1697833.44	1595264.07	1697734.86	1595171.45	PT
217	1697809.99	1595103.32	1697711.42	1595010.71	PC
218	1697660.12	1594907.13	1697561.55	1594814.53	PT
219	1697456.19	1594818.27	1697357.64	1594725.68	PC
220	1697315.11	1594673.83	1697216.57	1594581.24	PT
221	1697184.41	1594353.50	1697085.87	1594260.93	PC
222	1696984.08	1594220.35	1696885.55	1594127.79	PT
223	1696609.94	1594224.18	1696511.43	1594131.62	BLOCK COR
224	1696608.50	1594083.59	1696509.99	1593991.03	BLOCK COR
225	1696544.50	1594084.37	1696446.00	1593991.82	BLOCK COR
226	1696545.94	1594224.84	1696447.44	1594132.28	BLOCK COR
227	1696190.33	1594228.48	1696091.85	1594135.92	BLOCK COR
228	1696188.90	1594088.74	1696090.42	1593996.18	BLOCK COR
229	1696124.91	1594089.52	1696026.43	1593996.97	BLOCK COR
230	1696126.37	1594232.13	1696027.89	1594139.57	BLOCK COR
231	1695451.74	1594239.04	1695353.30	1594146.48	BLOCK COR
232	1695453.53	1594297.02	1695355.09	1594204.46	BLOCK COR
233	1696126.96	1594290.13	1696028.48	1594197.57	BLOCK COR
234	1696129.68	1594556.12	1696031.21	1594463.54	BLOCK COR
235	1695578.04	1594561.76	1695479.60	1594469.18	PC
236	1695578.64	1594619.76	1695480.19	1594527.18	PT
237	1696130.28	1594614.11	1696031.80	1594521.53	BLOCK COR
238	1696133.00	1594880.10	1696034.52	1594787.50	BLOCK COR
239	1695588.01	1594885.68	1695489.56	1594793.08	PC
240	1695588.60	1594943.68	1695490.15	1594851.07	PT
241	1696133.59	1594938.10	1696035.12	1594845.49	BLOCK COR
242	1696136.29	1595201.08	1696037.81	1595108.46	BLOCK COR
243	1695481.54	1595207.78	1695383.10	1595115.17	BLOCK COR
244	1695483.51	1595271.77	1695385.07	1595179.15	BLOCK COR
245	1696136.94	1595265.08	1696038.46	1595172.46	BLOCK COR
246	1696138.43	1595410.07	1696039.95	1595317.44	BLOCK COR
247	1696197.00	1594879.44	1696098.52	1594786.85	BLOCK COR
248	1696194.27	1594613.46	1696095.79	1594520.87	BLOCK COR
249	1696379.10	1594611.57	1696280.61	1594518.98	PC

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
250	1696441.62	1594647.59	1696343.12	1594555.01	PT
251	1696511.39	1594770.89	1696412.89	1594678.29	PC
252	1696450.33	1594876.85	1696351.83	1594784.25	PT

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(316) 264-8008

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

COORDINATE TABLES ADDITION

JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 39 OF 49

File: L:\2025\T41-2501905 - Area 151 Ph 2\Drawings\DESIGN\T41-2501905 ADDITION COORDINATES.dwg Last Save: 3/31/2026 1:51 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:55 PM Plotter used: None

GENERAL SEED NOTES FOR ALL MIXES

1. THE CONTRACTOR SHALL PROVIDE GRASS SEED OF THE VARIETY AND AT THE RATES AS REQUIRED TO PRODUCE THE LIVE SEED RATES SHOWN BELOW OR AS SPECIFIED ON THE PLANS. THE VENDOR'S CERTIFIED STATEMENT FOR EACH SPECIES OF GRASS AND GRASS MIXTURE STATING EACH VARIETY, PERCENTAGE BY WEIGHT, AND PERCENTAGES OF PURITY, GERMINATION, AND WEED SEED SHALL BE FURNISHED. LIVE SEED FOR EACH GRASS SPECIES IS THE PRODUCT OF THE PERCENTAGE OF PURITY AND THE PERCENTAGE OF GERMINATION.

1.1. THE SEED SHALL BE NEW-CROP SEED COMPLYING WITH AND LABELED IN ACCORDANCE WITH U.S. DEPARTMENT OF AGRICULTURE "RULES AND REGULATIONS UNDER THE FEDERAL SEED ACT" IN EFFECT AT DATE OF PURCHASE OF SEED. ALL SEED SHALL BE FURNISHED IN STANDARD CONTAINERS. SEED WHICH HAS BECOME MOLDY, WET, OR OTHERWISE DAMAGED IN TRANSIT OR STORAGE SHALL NOT BE ACCEPTED.

1.2. A CERTIFICATE SHALL BE FURNISHED TO THE ENGINEER SHOWING THE DATE THAT THE SEED WAS TREATED. THE TREATED SEED SHALL BE PLANTED WITHIN TWENTY-FOUR (24) MONTHS AFTER TREATMENT AND ANY TREATED BUFFALO GRASS SEED HELD BY THE CONTRACTOR OR SUPPLIED BEYOND THIS PERIOD SHALL NOT BE USED.

1.3. THE SEED SHALL BE STORED IN A COOL DRY PLACE UNTIL SEEDING TIME.

2. FERTILIZER.

2.1. FERTILIZER SHALL BE PROPORTIONED AS SPECIFIED ON THE PLANS OR SHOWN BELOW AND SHALL BE OF COMMERCIAL GRADE, UNIFORM IN COMPOSITION, FREE-FLOWING AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT, DELIVERED TO THE SITE IN BAGS OR OTHER CONVENIENT CONTAINERS, EACH FULLY LABELED, CONFORMING TO THE APPLICABLE STATE FERTILIZER LAWS, AND BEARING THE SAME TRADE NAME OR TRADE MARK, ANALYSIS AND WARRANTY OF THE PRODUCER. FERTILIZER SHALL BE APPLIED AT THE RATE OF .5 POUNDS OF ACTUAL NITROGEN, 1.0 POUNDS OF ACTUAL PHOSPHORUS, AND .5 POUNDS OF ACTUAL POTASSIUM PER 1,000 SQUARE FEET.

2.2. WHEN APPLYING FERTILIZER, THE CONTRACTOR SHALL AVOID APPLICATION PRIOR TO HEAVY RAIN OR INTENSE STORMS.

3. WATER.

3.1. WATER SHALL NOT CONTAIN SUBSTANCES IN THE AMOUNTS CONSIDERED HARMFUL FOR THE NORMAL GROWTH OF VEGETATION. THE CONTRACTOR SHALL SUPPLY WATER AND WATERING EQUIPMENT AS REQUIRED FOR THE ESTABLISHMENT AND MAINTENANCE OF GRASSED AREAS.

4. SITE PREPARATION

4.1. PROJECT COORDINATION. AFTER THE CONSTRUCTION HAS BEEN COMPLETED, (EXCEPT AS PROVIDED BELOW), THE SITE HAS BEEN BROUGHT TO FINAL GRADES AS SHOWN ON THE PLANS, AND OTHER PLANTINGS HAVE BEEN ACCOMPLISHED, THE CONTRACTOR SHALL PREPARE THE AREAS TO BE GRASSED AS SPECIFIED. WHEN SO DIRECTED OR PERMITTED BY THE ENGINEER, PORTIONS OF THE CONSTRUCTION SITE MAY BE GRASSED AT DIFFERENT PERIODS OF TIME PROVIDED THAT THE PLANTING OCCURS IN PROPER SEASONS AS SPECIFIED. ANY GRASSED AREAS DAMAGED BY SUBSEQUENT OPERATIONS OF THE CONTRACTOR SHALL BE REPLANTED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

4.2. NO-TILL. IT IS PREFERRED FOR THE AREAS OUTSIDE OF THE GRADING LIMITS TO BE NO-TILLED INTO THE EXISTING STUBBLE. NO SITE PREPARATION IS REQUIRED BEFORE NO-TILL SEEDING. AREAS TO BE TILLED (WITHIN GRADING LIMITS) SHALL BE PREPARED PER THE FOLLOWING NOTES.

4.3. TILLAGE. THE AREAS REQUIRED TO BE GRASSED SHALL BE PREPARED FOR PLANTING BY CULTIVATION, REMOVAL OF ALL OBJECTIONABLE MATERIAL, AND FILLING OF GULLIES OR DEPRESSIONS. THE SOIL PREPARATION SHALL BE ACCOMPLISHED BY DISKING, HARROWING AND FIRMING. (PLOWING WILL ALSO BE REQUIRED IF SO INDICATED ON THE PLANS.) THE MINIMUM DEPTH OF SOIL PREPARATION SHALL BE THREE (3) INCHES. EXISTING WEED STUBBLE, SMALL WEEDS AND GRASS THAT CAN BE DISKED SHALL BE CUT BY THE DISK AND PARTIALLY INCORPORATED INTO THE SOIL.

4.4. SEVERAL DISKINGS AND HARROWINGS OVER SOME AREAS MAY BE REQUIRED TO PROVIDE A SATISFACTORY SEEDBED. AREAS TOO STEEP OR OTHERWISE INACCESSIBLE FOR DISKING SHALL BE PREPARED BY HAND METHODS. THE MINIMUM DEPTH OF PREPARATION OF THE SEEDBED WHERE HAND METHODS MUST BE EMPLOYED SHALL BE TWO (2) INCHES. DISKING, HARROWING AND RAKING SHALL BE DONE LONGITUDINALLY ON SLOPE AREAS.

4.5. THE SOIL PREPARATION ON ALL SLOPE AREAS SHALL BE PERFORMED WITH DISKS AND HARROWS UNLESS DEMONSTRATION SHOWS SUCH METHODS IMPRACTICABLE AND THAT HAND METHODS MUST BE USED.

4.6. DURING THE PROCESS OF SOIL PREPARATION, EXTREME CARE SHALL BE EXERCISED TO AVOID INJURY TO ALL TREES THAT HAVE BEEN PLANTED OR DESIGNATED BY THE ENGINEER TO BE SAVED.

4.7. THE ENGINEER MAY DESIGNATE LOCAL AREAS OF DESIRABLE NATIVE PERENNIAL GRASSES TO BE OMITTED DURING THE SOIL PREPARATION. AREAS OF ANNUAL GRASSES SUCH AS CHEAT, CRAB GRASS, TRIPLE-AWN, ETC., SHALL BE DESTROYED BY THOROUGH DISKING PRIOR TO SEEDING.

4.8. APPLICATION OF FERTILIZER. FERTILIZER SHALL BE DISTRIBUTED UNIFORMLY AT RATES SHOWN IN THE SEED MIX NOTES ON THIS PAGE AND OVER THE AREA TO BE PLANTED, AND SHALL BE INCORPORATED INTO THE SOIL TO A DEPTH OF AT LEAST 2 INCHES BY DISKING, HARROWING OR OTHER METHODS APPROVED BY THE ENGINEER. DISTRIBUTION BY MEANS OF AN APPROVED SEED DRILL OR HYDRO SEEDER EQUIPPED TO SOW SEED AND DISTRIBUTE FERTILIZER AT THE SAME TIME WILL BE ACCEPTABLE UNLESS OTHERWISE NOTED ON THE PLANS.

4.9. ADDITIONAL SOIL CONDITIONERS SHALL BE MIXED INTO THE SOIL BY DISKING, HARROWING, ETC., WHEN SPECIFIED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER AND FURNISHED BY THE OWNER.

5. SEEDING

5.1. TIME OF SEEDING. THE TWO GENERAL SEEDING SEASONS SHALL BE AS DEFINED FOR TEMPORARY AND PERMANENT SEEDING. THE PERMISSIBLE SEEDING PERIODS FOR VARIOUS SEEDS MAY BE EXTENDED A FEW DAYS IN SPECIAL CASES WHEN MULCHING IS SPECIFIED TO FOLLOW THE DRILLING OF SEEDS AND FERTILIZER.

5.2. THE ENGINEER RESERVES THE RIGHT TO DELAY THE DRILLING OR SEEDING OF ANY SEEDS OR TO VARY THE PERMISSIBLE SEEDING SEASONS LISTED ABOVE DUE TO WEATHER OR SOIL CONDITIONS OR FOR OTHER CAUSES.

5.3. SEED APPLICATION. SEEDS SHALL BE UNIFORMLY DISTRIBUTED WITH ACCEPTABLE DRILLS, HYDRAULIC SLURRY, OR OTHER EQUIPMENT APPROVED BY THE ENGINEER. BROADCASTING WITH A STANDARD GRASS SEEDER WILL BE REQUIRED ON AREAS WHERE IT IS IMPOSSIBLE TO OPERATE A DRILL AND THIS METHOD MAY ALSO BE REQUIRED FOR CERTAIN SMALL SEEDS.

5.4. WHEN A STANDARD DRILL WITH FERTILIZER ATTACHMENT IS USED, CERTAIN MIXED SEEDS MAY BE PLACED IN THE SEED BOX AND THE FERTILIZER PLACED IN THE FERTILIZER COMPARTMENT. BOTH MAY BE APPLIED DURING ONE (1) OPERATION, UNLESS NOTES ON THE PLANS REQUIRE SEPARATE APPLICATIONS. FERTILIZER MAY BE DRILLED INTO THE SOIL OR APPLIED BY HYDRAULIC-SLURRY. BROADCASTING FERTILIZERS IS PERMISSIBLE ON ROUGH, ROCKY SLOPES WHERE DRILLS CANNOT OPERATE.

5.5. ALL DRILLS SHALL BE FULLY ADJUSTABLE SO THAT THEY WILL DELIVER THE SEEDS AND FERTILIZER AT THE RATES SPECIFIED ON THE PLANS OR ORDERED BY THE ENGINEER. DRILLS THAT ARE IN POOR REPAIR OR THAT DO NOT DELIVER THE SEEDS AND FERTILIZER UNIFORMLY IN EACH DRILL FURROW, SHALL NOT BE USED. DRILLS SHALL BE ADJUSTABLE SO THAT THE SEEDS CAN BE PLANTED AND COVERED A MAXIMUM DEPTH OF 1/2 INCH.

5.6. MOST OF THE SEEDS SHOULD BE DRILLED ABOUT ONE-HALF (1/2) INCH DEEP IN A WELL- PREPARED AND FIRM SEEDBED. WHEN THE FERTILIZING AND SEEDING OPERATIONS START ON AN AREA, THAT AREA SHALL BE COMPLETED AS SOON AS POSSIBLE. NO SEEDING SHALL BE DONE DURING WINDY WEATHER OR WHEN THE GROUND IS WET OR OTHERWISE NON-TILLABLE. THE GRASS SEED SHALL THEN BE COVERED, USING A FLEXIBLE TOOTHED WEEDER OR OTHER SUITABLE EQUIPMENT. AS SOON AS THIS COVERING OPERATION HAS BEEN COMPLETED, THE SEEDED AREA SHALL BE ROLLED AGAIN WITH THE CULTI-PACKER, THE CULTI-PACKER BEING RUN OVER THE AREA ONLY ONCE PARALLEL WITH THE CONTOURS OF THE GROUND.

6. MULCHING.

6.1. APPLYING HAY MULCH - HAY MULCH SHALL BE THE REQUIRED MULCHING MATERIAL FOR PERMANENT SEEDING, UNLESS SPECIFIED OTHERWISE ON THE PLANS OR DIRECTED BY THE ENGINEER. THE HAY SHALL NOT CONTAIN AN EXCESSIVE QUANTITY OF NOXIOUS WEED SEEDS. THE MULCH SHALL BE A SHARP GRADE PRAIRIE HAY, SEDAN GRASS HAY OR BROOM SEDGE OR ANY OTHER TYPE OF NATIVE HAY OR GRASS. STRAW SHALL BE 8 INCHES MINIMUM; 50% SHALL BE 10 INCHES IN LENGTH OR LONGER.

6.2. AFTER SEEDING OPERATIONS ARE COMPLETE THE MULCH SHALL BE SPACED UNIFORMLY BY HAND, MANURE SPREADER, OR OTHER SUITABLE EQUIPMENT. THE MULCH SHALL BE ANCHORED TO THE SOIL BY A V-TYPE WHEEL LAND PACKER, A DISK HARROW SET TO CUT SLIGHTLY, OR OTHER SUITABLE EQUIPMENT WHICH WILL SECURE THE MULCH FIRMLY INTO THE GROUND 2 INCHES OR MORE TO FORM A SOIL-BINDING MULCH AND PREVENT LOSS OR BUNCHING BY WIND. SPACING BETWEEN DISKS SHALL NOT EXCEED 8 INCHES. APPLY HAY MULCH AT THE RATE OF 2 TONS PER ACRE OR 90 LBS. PER 1000 SQ. FT.

6.3. APPLYING WOOD CELLULOSE FIBER MULCH - WOOD CELLULOSE FIBER MULCH MAY BE USED IN LIEU OF HAY MULCH WHEN THE CONTRACTOR ELECTS TO USE A HYDRO SEEDER AND THE METHOD IS APPROVED BY THE ENGINEER. WOOD CELLULOSE FIBER MULCH SHALL BE APPLIED AT THE MINIMUM RATE OF 2500 POUNDS PER ACRE, UNLESS SPECIFIED OTHERWISE.

7. WATERING.

7.1. THE CONTRACTOR SHALL WATER THE SEEDED AREAS AS REQUIRED TO ASSURE AN ACCEPTABLE STAND OF GRASS.

8. PROTECTION AND MAINTENANCE.

8.1. THE GRASSED AREA SHALL BE PROTECTED AGAINST TRAFFIC OR OTHER USE IMMEDIATELY AFTER PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CARE OF THE GRASSED AREA UNTIL ALL WORK ON THE ENTIRE CONTRACT HAS BEEN COMPLETED AND ACCEPTED, OR A MINIMUM PERIOD OF 30 DAYS, WHICHEVER IS THE LONGEST DURATION. THE CONTRACTOR WILL BE RELIEVED FROM WATERING GRASSED AREAS ACCEPTED BY THE ENGINEER AND THE OWNER.

8.2. ALL PLANTED AREAS SHALL BE GROWING WHEN ACCEPTED. AREAS NOT SHOWING A STAND OF GRASS OR EVIDENCE OF GROWTH SHALL BE REPLANTED IN ACCORDANCE WITH THESE SPECIFICATIONS. ALL COSTS IN CONNECTION WITH REPLANTING GRASSED AREAS SHALL BE BORNE BY THE CONTRACTOR UNTIL AN ACCEPTABLE STAND OF GRASS IS OBTAINED, WITH NO ADDITIONAL COST TO THE PROJECT.

9. PAYMENT

9.1. ALL SEEDING OPERATIONS THROUGHOUT THE ENTIRE COURSE OF THE PROJECT FOR TEMPORARY AND PERMANENT SEEDING, SOIL PREPARATION, FERTILIZER APPLICATION, MULCHING, WATERING, AND ALL OTHER ASSOCIATED WORK, DESCRIBED ON THE SEEDING SHEETS, SHALL BE PAID FOR AS THE BID ITEM "PROJECT SEEDING, L.S." THIS BID ITEM INCLUDES ALL RE-SEEDING ACTIVITIES AND ANY ASSOCIATED WORK NECESSARY.

AREA 151 INTERIOR PAVING

TEMPORARY SEEDING

TEMPORARY SEED NOTES

1. TEMPORARY SEEDING SHALL BE INSTALLED AS TEMPORARY COVER AFTER GRADING AND/OR CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED IN AN AREA OF THE PROJECT. TEMPORARY SEED SHALL BE INSTALLED WHEN:

   1.1. CONSTRUCTION ACTIVITY WILL CEASE FOR AT LEAST 28 DAYS; OR
   1.2. WITHIN 21 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA; OR,
   1.3. WHEN PERMANENT SEEDING CANNOT TAKE PLACE WITHIN THE SPECIFIED PLANTING WINDOW.

2. TEMPORARY SEEDING SHALL BE PLACED VIA APPROPRIATE SEED DRILL. THE TEMPORARY SEED MIX IS AS FOLLOWS:

   ANNUAL RYE 20#/ ACRE

3. TEMPORARY SEED MAY BE PLACED ANY TIME DURING CONSTRUCTION.

4. PROTECT SEEDED AREAS FROM EROSION BY SPREADING WEED-FREE STRAW MULCH TO FORM A CONTINUOUS BLANKET 1-1/2" LOOSE DEPTH AND CRIMP IN TO SOIL BY SUITABLE METHODS.

5. DO NOT SEED OR WORK SOIL WHEN THERE IS STANDING OR RUNNING WATER PRESENT IN DISTURBED AREAS.

6. SEEDING PROCESS: REFER TO SEEDING NOTES.

21ST STREET WIDENING AREA RIGHT OF WAY

PERMANENT SEEDING (WARM SEASON GRASS)

1. PERMANENT SEEDING WITH THE PRAIRIE MIX SHALL BE INSTALLED AT THE COMPLETION OF CONSTRUCTION ACTIVITIES IN COORDINATION WITH PERMANENT EROSION CONTROL BMPs, AS DEFINED IN THE NOTES IN THIS SECTION, WITHIN THE PLANS AND SPECIFICATIONS.

2. PRAIRIE SEED MIX SHALL BE A WARM SEASON GRASS MIX SEED CONTAINING LOCALLY AVAILABLE VARIETIES, AS SPECIFIED BELOW. SEED AT A RATE OF 4.5# PLS/ ACRE.

Botanical Name	Common Name	PLS Oz./Acre
BOUTELOUA DACTYLOIDES	BUFFALOGRASS (TEXOKA, SHRP'S IMPROVED, ISON, PLAINS, OR CODY)	
BOUTELOUA GRACILIS	BLUE GRAMA	
BOUTELOUA CURTIPENDULA	SIDEOATS GRAMA	

3. APPLY 10-20-10 FERTILIZER AT A RATE OF 40 LBS/ ACRE.

4. PERMANENT SEEDING SHALL BE DONE OCTOBER 15- JUNE 1.

5. WARM SEASON GRASS MIX SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED. LANDSCAPE CONTRACTOR SHALL PROVIDE LANDSCAPE ARCHITECT WITH DEALER'S GUARANTEED STATEMENT OF COMPOSITION OF MIXTURE AND PERCENTAGE OF PURITY AND GERMINATION OF SEED USED.

6. SEEDING PROCESS: REFER TO SEEDING NOTES.

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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

SEEDING & TESTING NOTES

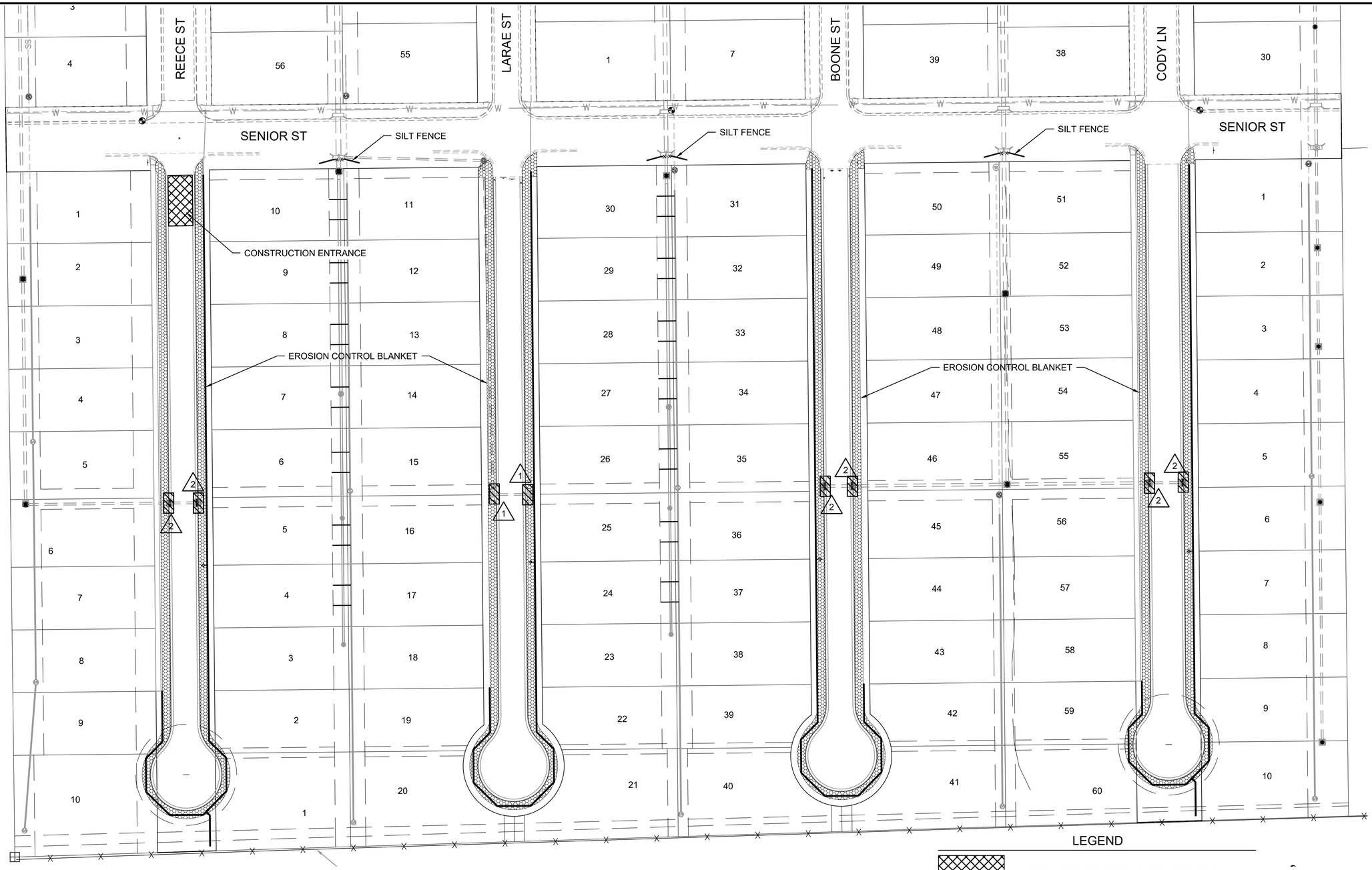
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 40 OF 49

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 7/7/2026 4:55 PM Plotter used: None



LEGEND

- MAINTAIN CONSTRUCTION ENTRANCE (1 EACH)
- MAINTAIN CURB INLET PROTECTION (2 EACH)
- MAINTAIN DROP INLET PROTECTION (6 EACH)
- INSTALL DROP INLET PROTECTION (16 EACH)
- INSTALL SILT FENCE (120 L.F.)
  ADDITIONAL 1734 L.F. SILT FENCE (SEE SHEET NO. 34)
- EROSION CONTROL MAT (CURLEX) (4,747 S.Y.)

N

0 25' 50' 100' 150'
(IN FEET)

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REV.	DATE	DESCRIPTION	BY

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WICHITA, KANSAS

AREA 151
PAVING - PHASE 2

EROSION CONTROL PLAN-PAVING

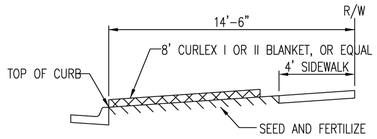
JOB NO.: 2501905
DATE: JULY 2026
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
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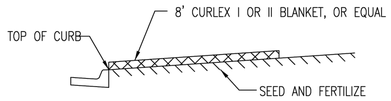
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SHEET NUMBER 41 OF 49

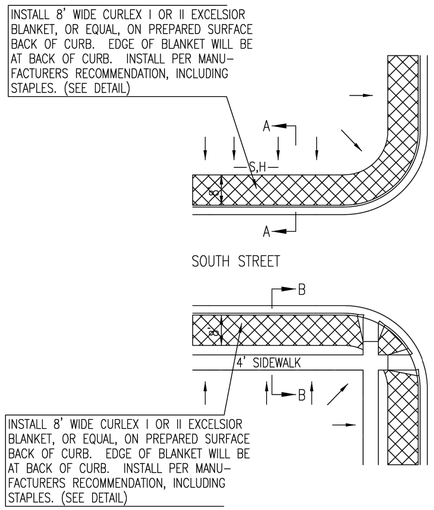
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.585 Plot Date: 7/7/2026 4:56 PM Plotter used: None



SECTION B–B



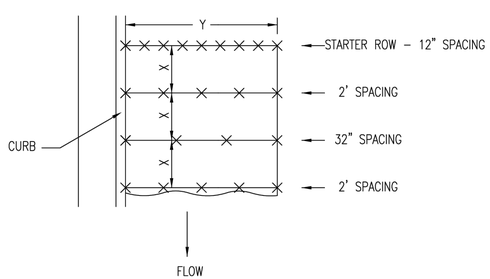
SECTION A–A

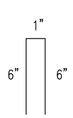


GENERAL NOTES

1. EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
2. EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
3. AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB AND INTO THE GUTTER, SUPPLEMENTAL EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS NEEDED, TO FIX THE PROBLEM.

BACK OF CURB PROTECTION DETAIL

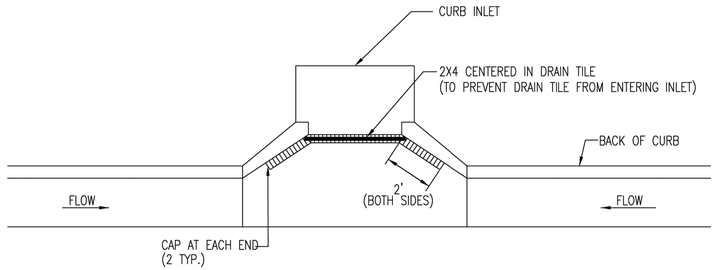




STAPLE PATTERN

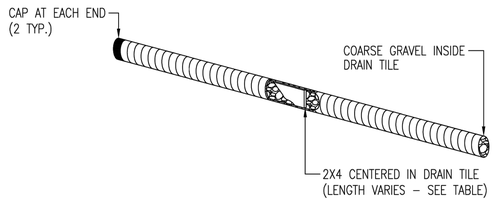
NOTES: USE 6" SEAM OVERLAP
(X & Y = RECOMMENDED BY MANUFACTURE)

DETAILS FOR APPROVED EROSION CONTROL MAT



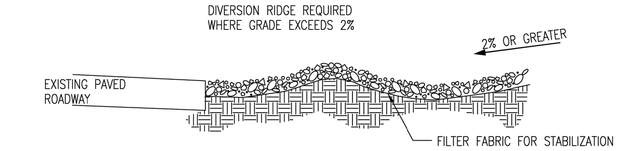
NOTE:
PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"–1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

2X4 LENGTH	INLET TYPE	INLET OPENING
5'–6"	1–A	5'–0"
10'–6"	1–A	10'–0"
15'–6"	1–A	15'–0"

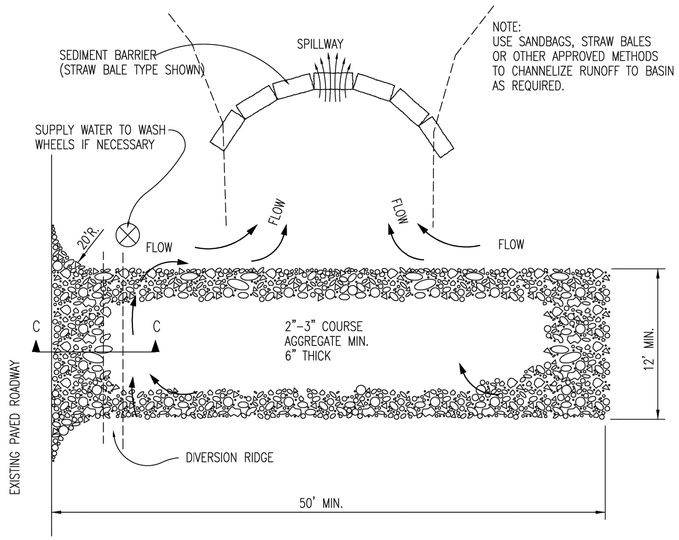


CURB INLET PROTECTION

4" PERFORATED PIPE W/ GRAVEL



SECTION C–C



STABILIZED CONSTRUCTION ENTRANCE

GENERAL NOTES

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN, AS SHOWN ABOVE.
4. DRIVE ENTRANCES ONTO RESIDENTIAL LOTS WILL NOT BE REQUIRED TO HAVE THE SEDIMENT BARRIER SHOWN, BUT WHEEL WASHING MAY BE REQUIRED IF STABILIZED ENTRANCE IS NOT SUFFICIENT TO KEEP MUD FROM BEING TRACKED ONTO ADJACENT STREET. ENTRANCE SHALL EXTEND FROM BACK OF CURB TO DWELLING.

REVISION DATE: MAY 2013

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05/13/13

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE

CITY ENGINEER
GARY JANZEN, P.E.

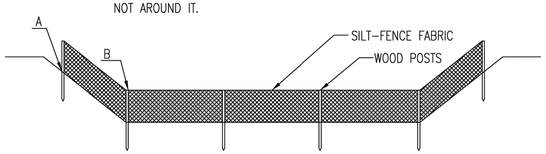
PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	

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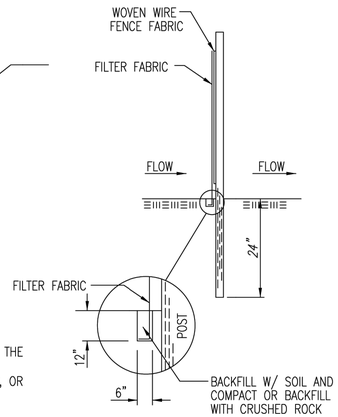
SW–501

NOTE: POINT A MUST BE HIGHER THAN POINT B SO THAT WATER FLOWS OVER THE SILT FENCE FABRIC AND NOT AROUND IT.



ELEVATION

SILT FENCE DITCH CHECKS
(STREAM PROTECTION)



ANCHOR TRENCH DETAIL

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED.
WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK, NOT OVER IT. SILT FENCE DITCH CHECKS OFTEN FAIL WHEN OVERTOPPED.
SILT FENCE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
THE SILT FENCE SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE TOP OF THE LOW POINT OF THE FENCE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
SILT FENCE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
SILT FENCE SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.

THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH GRADE (%)	SPACING CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 6" WIDE.
EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK.
PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH FOR LATER USE.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSTREAM SIDE OF THE TRENCH.
PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSTREAM EDGE OF THE TRENCH.
LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN ON DETAIL. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED.
LAY THE EXPOSED SILT FENCE ON THE UPSTREAM SIDE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSTREAM OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 24". PLACE POSTS NO MORE THAN 4' APART.
ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

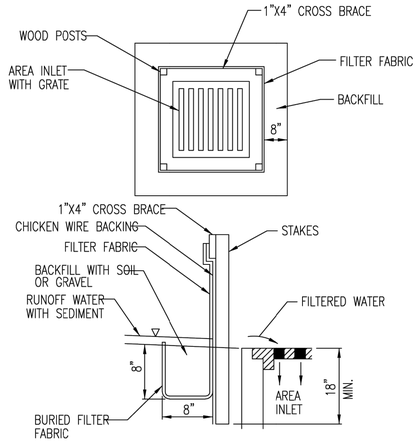
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK–NOT OVER IT. PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. SILT FENCE INSTALLATIONS QUICKLY DETERIORATE WHEN WATER OVERTOPS THEM.
DO NOT PLACE SILT FENCE POSTS ON THE UPSTREAM SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT PLACE A SILT FENCE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
DO NOT PLACE SILT FENCE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW.
FOLLOW PRESCRIBED DITCH CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS.
DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE LOW POINT ON THE TOP OF THE FENCE.
DO NOT PLACE SILT FENCE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.

INSPECTION AND MAINTENANCE:

SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW AROUND THE DITCH CHECK?
DOES WATER FLOW UNDER THE DITCH CHECK?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



SILT FENCE BARRIERS FOR AREA INLETS
(INLET PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE WIRE OR POLYMERIC MESH BACKING USED TO HELP SUPPORT THE SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
THE MATERIAL USED TO FRAME THE TOPS OF THE POSTS SHOULD BE 1" BY 4" BOARDS.
SILT FENCE FABRIC AND SUPPORT BACKING SHOULD BE ATTACHED TO THE WOODEN POSTS AND FRAME WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE A SILT FENCE DROP INLET BARRIER IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED.
WATER SHOULD FLOW THROUGH SILT FENCE, NOT OVER IT. SILT FENCE BARRIERS FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.
WHEN USED AS A BARRIER FOR AREA INLETS, SILT FENCE FABRIC AND POSTS MUST BE SUPPORTED AT THE TOP BY A WOODEN FRAME.
WHEN A SILT FENCE BARRIER FOR AREA INLETS IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 8" DEEP BY 8" WIDE.
DRIVE POSTS TO A DEPTH OF AT LEAST 18" AROUND THE PERIMETER OF THE AREA INLET.
THE DISTANCE BETWEEN POSTS SHOULD BE 4' OR LESS. IF THE DISTANCE BETWEEN TWO ADJACENT CORNER POSTS IS MORE THAN 4', ADD ANOTHER POST(S) BETWEEN THEM.
CONNECT THE TOPS OF ALL THE POSTS WITH A WOODEN FRAME MADE OF 1" BY 4" BOARDS. USE NAILS OR SCREWS FOR FASTENING.
ATTACH THE WIRE OR POLYMERIC–MESH BACKING TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC LONG ENOUGH TO WRAP AROUND THE PERIMETER OF THE AREA INLET. ADD MORE LENGTH FOR OVERLAPPING THE FABRIC JOINT. PLACE THE EDGE OF THE FABRIC IN THE TRENCH, STARTING AT THE OUTSIDE EDGE OF THE TRENCH. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED.
ATTACH THE SILT FENCE TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. THE JOINT SHOULD BE OVERLAPPED TO THE NEXT POST.

NOTE: WHEN A SILT FENCE BARRIER FOR AREA INLET IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

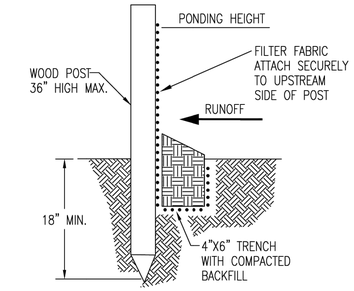
WATER SHOULD FLOW THROUGH A SILT FENCE BARRIER FOR AREA INLET–NOT OVER IT. PLACE A SILT FENCE BARRIER FOR AREA INLET IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. SILT FENCE BARRIER FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.
DO NOT PLACE POSTS ON THE OUTSIDE OF THE SILT FENCE BARRIER FOR AREA INLET. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESISTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT INSTALL SILT FENCE BARRIER FOR AREA INLETS WITHOUT FRAMING THE TOP OF THE POSTS. THE CORNER POSTS AROUND AREA INLETS ARE STRESSED IN TWO DIRECTIONS WHEREAS A NORMAL SILT FENCE IS ONLY STRESSED IN ONE DIRECTION. THIS ADDED STRESS REQUIRES MORE SUPPORT.

INSPECTION AND MAINTENANCE:

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW UNDER THE SILT FENCE?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05/13/13



SILT FENCE BARRIERS

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT–OF–WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 6" DEEP BY 4" WIDE.
MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH.
PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT–FENCE FABRIC SHOULD REMAIN EXPOSED.
LAY THE EXPOSED SILT FENCE UPSLOPE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 18".
PLACE POSTS NO MORE THAN 4' APART.
ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES.
DO NOT PLACE SILT–FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT PLACE SILT FENCE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT SUFFICIENTLY ANCHORED, IT WILL WASH OUT.
SILT FENCE SLOPE BARRIERS MUST BE DUG INTO THE GROUND–SILT FENCE AT GROUND LEVEL DOES NOT WORK BECAUSE WATER WILL FLOW UNDERNEATH.

INSPECTION AND MAINTENANCE:

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
DOES WATER FLOW UNDER THE SLOPE BARRIER?
DO THE SILT FENCES SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

SILT FENCE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

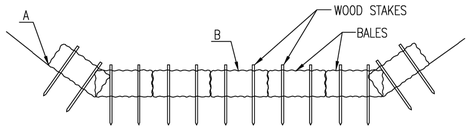
PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	11/2010

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SHEET 43 / 49

SW–502

NOTE: POINT A MUST BE HIGHER THAN POINT B
SO THAT WATER FLOWS OVER THE BALES AND
NOT AROUND THEM.



STRAW BALE DITCH CHECKS

MATERIAL SPECIFICATION:

BALE DITCH CHECKS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
OPTIONAL: THE DOWNSTREAM SCOUR APRON SHOULD BE CONSTRUCTED OF A DOUBLE-NETTED STRAW EROSION-CONTROL BLANKET AT LEAST 6' WIDE.
OPTIONAL: THE METAL LANDSCAPE STAPLES USED TO ANCHOR THE EROSION-CONTROL BLANKET SHOULD BE AT LEAST 8" LONG.

PLACEMENT:

BALE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
THE DITCH CHECK SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
STRAW BALE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
BALES SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.
THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH GRADE (%)	CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH-IT WILL BE USED LATER.
OPTIONAL: ON THE DOWNSTREAM SIDE OF THE TRENCH, ROLL OUT A LENGTH OF EROSION-CONTROL BLANKET (SCOUR APRON) EQUAL TO THE LENGTH OF THE TRENCH. PLACE THE UPSTREAM EDGE OF THE EROSION-CONTROL BLANKET ALONG THE BOTTOM UPSTREAM EDGE OF THE TRENCH. THE EROSION CONTROL BLANKET SHOULD BE ANCHORED IN THE TRENCH WITH ONE ROW OF 8" LANDSCAPE STAPLES PLACED ON 18" CENTERS. THE REMAINDER OF THE EROSION-CONTROL BLANKET (THE PORTION THAT IS NOT LYING IN THE TRENCH) WILL SERVE AS THE DOWNSTREAM SCOUR APRON. THIS SECTION OF THE BLANKET SHOULD BE ANCHORED TO THE GROUND WITH 8" LANDSCAPE STAPLES PLACED AROUND THE PERIMETER OF THE BLANKET ON 18" CENTERS. THE REMAINDER OF THE BLANKET SHOULD BE ANCHORED USING TWO EVENLY SPACED ROWS OF 8" LANDSCAPE STAPLES ON 18" CENTERS PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSTREAM SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP AND EXTEND UPSTREAM NO MORE THAN 24".

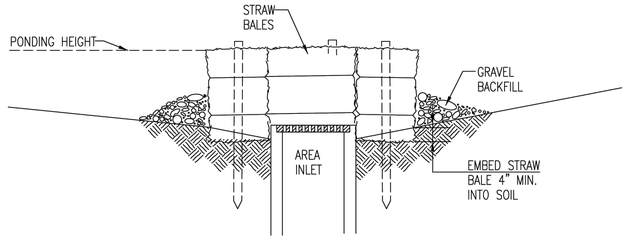
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

DO NOT PLACE A BALE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
DO NOT PLACE BALE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW.
FOLLOW PRESCRIBED DITCH-CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS.
DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE.
DO NOT PLACE BALE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
BALE DITCH CHECKS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE CHECK.

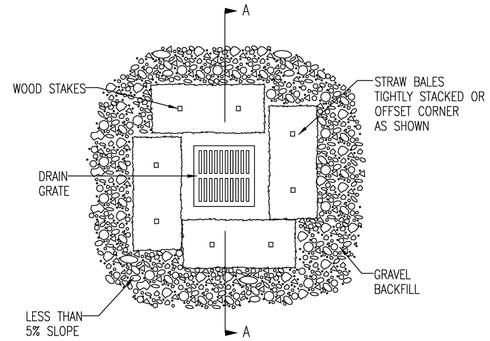
INSPECTION AND MAINTENANCE:

BALE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW AROUND THE DITCH CHECK?
DOES WATER FLOW UNDER THE DITCH CHECK?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES AND/OR SCOUR APRONS (OPTIONAL) DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



SECTION A-A



STRAW BALE BARRIERS FOR AREA INLETS

(INLET PROTECTION)

MATERIAL SPECIFICATION:

BALE AREA INLET BARRIERS SHOULD BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

BALE AREA INLET BARRIERS SHOULD BE PLACED DIRECTLY AROUND THE PERIMETER OF A DROP INLET. WHEN A BALE AREA INLET BARRIER IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 4" DEEP BY A BALE'S WIDTH WIDE.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. SOME BALES MAY NEED TO BE SHORTENED TO FIT INTO THE TRENCH AROUND THE AREA INLET. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS.
STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE RECEIVING SIDE OF THE BARRIER AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.
NOTE: WHEN A BALE AREA INLET BARRIER IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

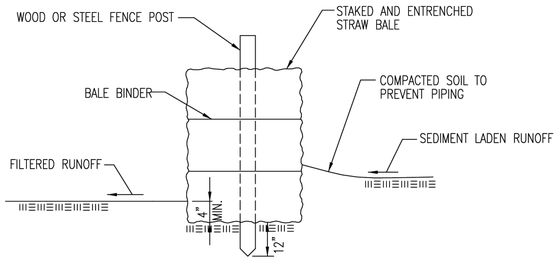
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

BALES SHOULD BE PLACED DIRECTLY AGAINST THE PERIMETER OF THE AREA INLET. THIS ALLOWS OVERTOPPING WATER TO FLOW DIRECTLY INTO THE INLET INSTEAD OF ONTO NEARBY SOIL CAUSING SCOUR.
BALE AREA INLET BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE AREA INLET BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW UNDER THE AREA INLET BARRIER?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



STRAW BALE BARRIERS

MATERIAL SPECIFICATION:

BALE SLOPE BARRIERS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
WHEN PRACTICABLE, BALE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
BALE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSLOPE SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICAL, DO NOT PLACE BALE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. CONCENTRATED FLOW OVER A SLOPE BARRIER CREATES A SCOUR HOLE ON THE DOWNSLOPE SIDE OF THE BARRIER. THE SCOUR HOLE EVENTUALLY UNDERMINES THE BALES AND THE BARRIER FAILS.
DO NOT PLACE BALE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
BALE SLOPE BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
DOES WATER FLOW UNDER THE SLOPE BARRIER?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05/30/13

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

STRAW BALE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	11/2010

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 44 / 49

SW-503

GENERAL NOTES

1. THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPES OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.

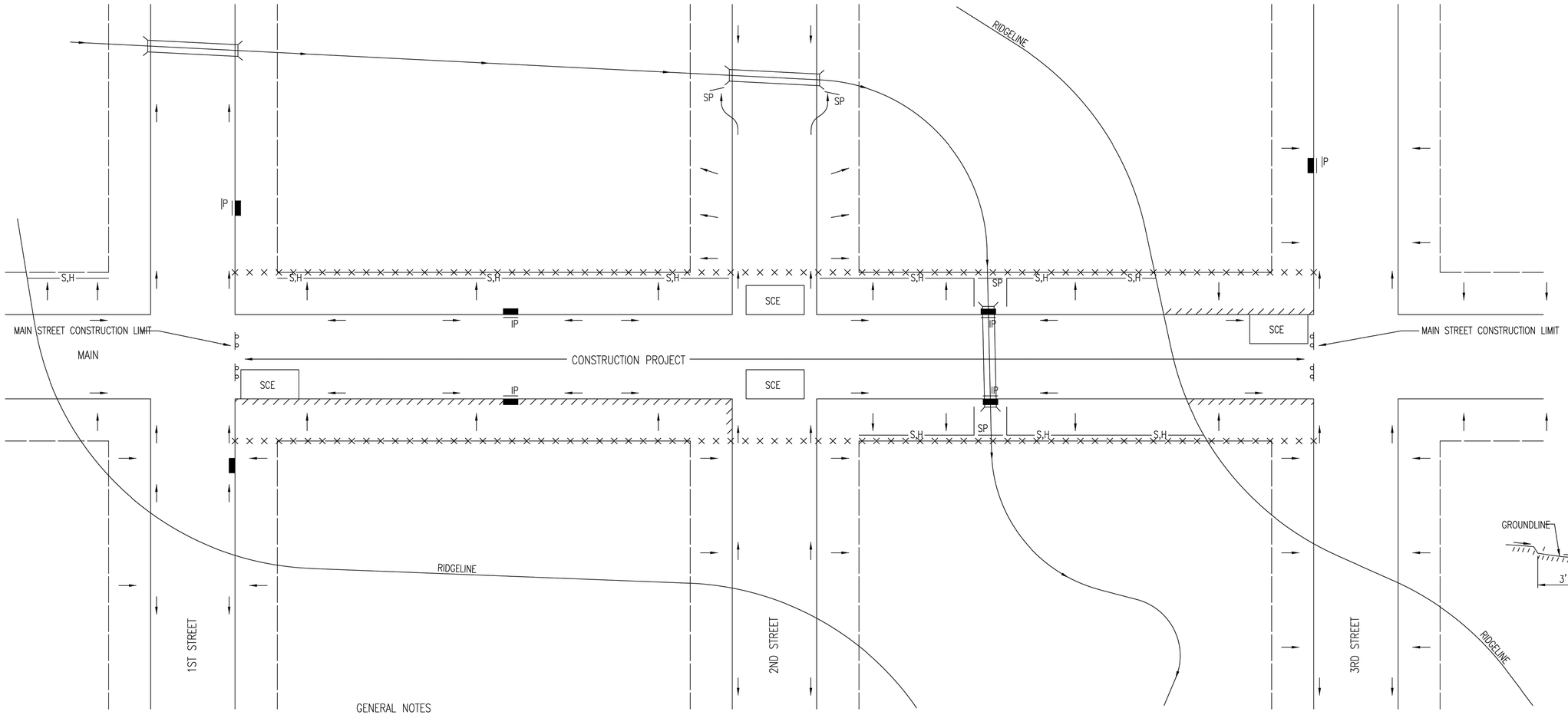
2. EROSION CONTROL DEVICES MUST BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL THE DISTURBED EARTH IS RESTABILIZED.

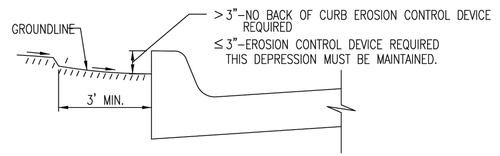
3. IF THE PROJECT WILL DISTURB 1 ACRE OR MORE, A FEDERAL/STATE NPDES STORMWATER PERMIT IS REQUIRED. A DETAILED STORMWATER POLLUTION PREVENTION PLAN, IS REQUIRED. THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED TO BE THE MINIMUM TO BE SHOWN IN THE POLLUTION PREVENTION PLAN.

4. FOR PROJECTS DISTURBING LESS THAN 1 ACRE, CONTRACTORS ARE ENCOURAGED TO PREPARE STORMWATER POLLUTION PREVENTION PLANS PRIOR TO CONSTRUCTION. EROSION CONTROL DEVICES MUST BE USED ON ALL PROJECTS.

5. FAILURE TO USE AND MAINTAIN EROSION CONTROL DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE CONTRACTOR TO THE PENALTIES PROVIDED FOR THEREIN.

6. THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE A DIFFERENT DEVICE OTHER THAN THOSE SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED AS LONG AS THEY ARE EFFECTIVE AND MAINTAINED.





CURB BACKFILL DETAIL

THIS IS A TEMPORARY MEASURE ONLY, WHEN APPROVED BY THE PROJECT ENGINEER. THE DIRT GRADE BEHIND THE CURB SHALL BE BROUGHT TO THE TOP OF CURB, WITH TEMPORARY EROSION CONTROL MAT OR PERMANENT VEGETATION PLACED, PRIOR TO THE COMPLETION OF ALL PROJECTS.

LEGEND

- R–O–W LIMITS
- DRAINAGE FLOW PATH
- R/W LIMIT WITHIN CONSTRUCTION LIMIT
- STORM WATER INLETS
- IP — INLET PROTECTION
- S,H — SILT FENCE OR HAY BALE BARRIER
- SP — STREAM PROTECTION
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- BACK OF CURB PROTECTION

GENERAL NOTES

1. THE INTENT OF ALL EROSION CONTROL DEVICES IS TO KEEP ALL SEDIMENT CONFINED TO THE CONSTRUCTION SITE, AND OUT OF ALL UNDERGROUND PIPES, DITCHES, LAKES, AND OTHER DRAINAGE FACILITIES, AND OFF OF STREETS.

2. THE POINT OF COMPLIANCE IS GENERALLY THE RIGHT–OF–WAY LINES WITHIN THE LIMITS OF CONSTRUCTION.

3. EROSION CONTROL DEVICES WILL BE REQUIRED AT ALL POINTS ALONG THE PROJECT WHERE DISTURBED EARTH CAN DRAIN ONTO PRIVATE PROPERTY.

4. INLET PROTECTION DEVICES WILL BE REQUIRED WHEREVER WATER CAN DRAIN OFF THE PROJECT SITE INTO AN INLET, INCLUDING ANY SIDE STREET INLETS.

5. EROSION CONTROL DEVICES SHALL BE INSTALLED AT CREEK CROSSINGS SO AS TO PREVENT SEDIMENT FROM ENTERING THEREIN.

6. STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED, AS NEEDED, TO PREVENT MUD FROM TRACKING ONTO STREETS NOT UNDER CONSTRUCTION AND ON STREETS WITHIN THE PROJECT LIMITS IF TRAFFIC IS BEING MAINTAINED THROUGH THE PROJECT.

7. ANY MUD TRACKED ONTO STREETS MUST BE REMOVED AT THE END OF EACH WORK DAY.

8. THE CONTACTOR WILL BE REQUIRED TO PLACE EROSION CONTROL DEVICES BACK OF CURB, WHENEVER WATER CAN DRAIN OVER CURB, TO KEEP ERODED SOIL OUT OF THE GUTTERLINES, IN ACCORDANCE WITH THE FOLLOWING:
   A. THE DEVICE REQUIRED WILL BE APPROVED EROSION CONTROL MAT LISTED ON THE CITY'S APPROVED MATERIAL LIST. SAID BLANKET SHALL BE PLACED OVER THE APPROPRIATE SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS. (SEE SOIL EROSION BMPs – BACK OF CURB SEDIMENT BARRIER DETAILS)
   B. THIS DEVICE SHALL BE INSTALLED IMMEDIATELY WHENEVER THE CURB IS BACKFILLED TO WITHIN 3" OF THE TOP OF CURB. (SEE CURB BACKFILL DETAIL) OTHER BMP'S MAY BE REQUIRED AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB.
   C. ADDITIONALLY, OTHER EROSION CONTROL DEVICES (HAY BALES, SILT FENCE, ETC.) WILL BE INSTALLED AT LOCATIONS OF CONCENTRATED FLOW RESULTING IN SEDIMENT OVERRUNNING THE MAT.
   D. SHOULD THE PROJECT PLANS SPECIFY THAT THE RIGHT–OF–WAY IS TO BE SODDED, THE EXCELSIOR MAT WILL NOT BE REQUIRED SO LONG AS THE SOD IS PLACED WITHIN 48 HOURS AFTER CURB BACKFILL REACHES A HEIGHT OF 3" OR LESS FROM TOP OF CURB. (SEE CURB BACKFILL DETAIL)

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05/30/13

REVISION: JUNE 2015

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

STREET IMPROVEMENT PROJECTS

CITY ENGINEER
GARY JANZEN, P.E.

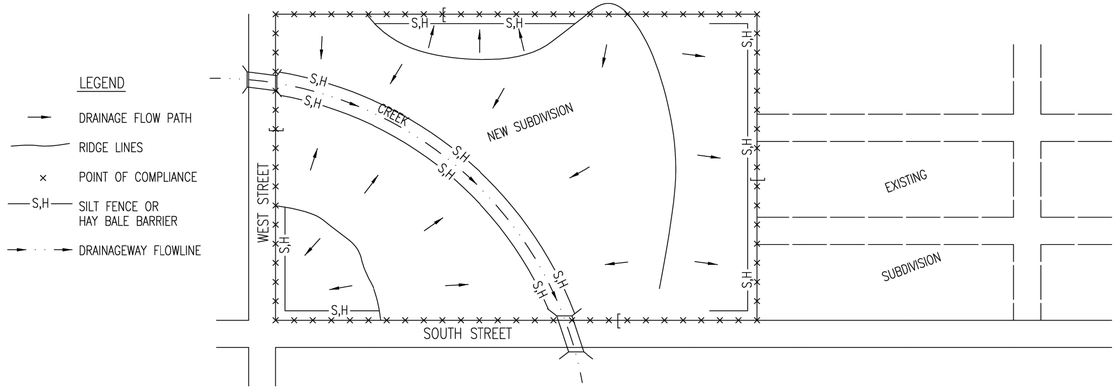
PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 45 / 49

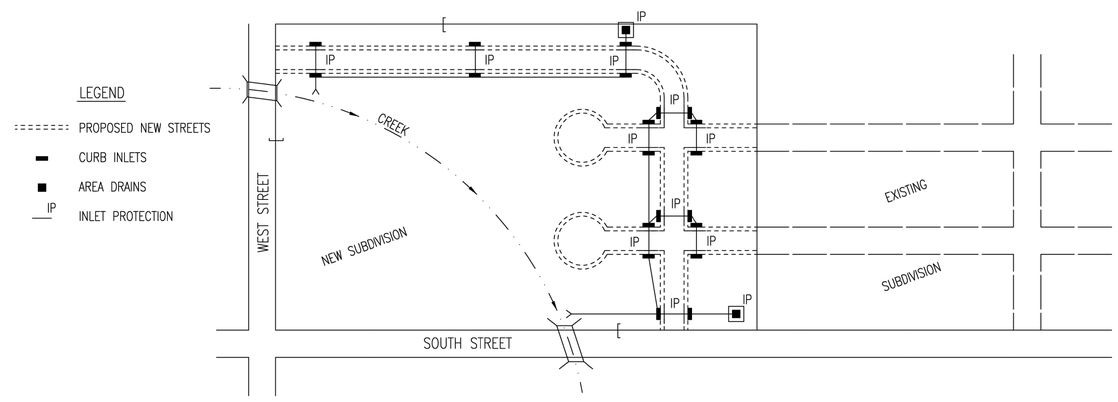
SW–504

PHASE 1 – INITIAL EARTHWORK AND UTILITIES (EXCEPT STORM SEWER)



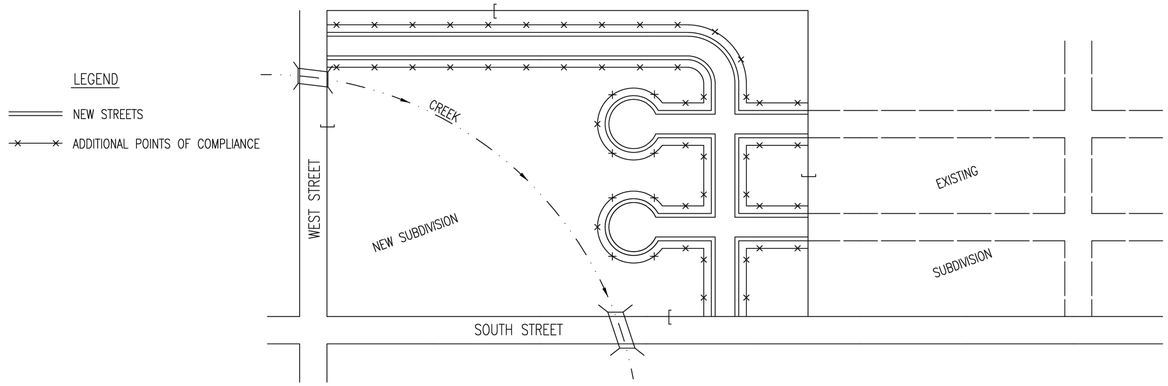
1. DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, THE POINTS OF COMPLIANCE ARE THE PERIMETER BOUNDARIES AND ANY DRAINAGE WAYS OR STORM SEWERS DRAINING THROUGH OR FROM THE SITE. SHOULD LAKES BE CONSTRUCTED WITHIN THE SUBDIVISION THAT WILL DISCHARGE DURING STORMS, THEY ARE ALSO A POINT OF COMPLIANCE.
2. HAY BALES OR SILT FENCE MUST BE CONSTRUCTED ALONG THE PROPERTY LINE WHERE ON SITE WATER CAN DRAIN OFF THE PROPERTY. THESE EROSION CONTROL DEVICES WILL ALSO BE INSTALLED ALONG ANY DRAINAGE DITCH OR LAKE THAT CAN DISCHARGE.
3. SHOULD SILT OR SEDIMENT ENTER THE DITCHES OR STREETS ON THE ADJACENT BOUNDARY STREETS, APPROPRIATE EROSION CONTROL DEVICES WILL BE PLACED WITHIN THE SUBDIVISION TO PREVENT THIS.
4. ANY MUD TRACKED ONTO ADJACENT STREETS WILL BE REMOVED WITHIN 48 HOURS OR BY FRIDAY AT 6:00 PM, WHICHEVER IS EARLIER.
5. CONTRACTORS WORKING WITHIN THE SITE WILL NOT BE REQUIRED TO USE INDIVIDUAL EROSION CONTROL DEVICES AS LONG AS THOSE SPECIFIED ABOVE ARE IN PLACE AND EFFECTIVE. CONTRACTORS WORKING ON THE BOUNDARY LINE STREETS OR ON ADJACENT PROPERTIES TO EXTEND UTILITIES ARE EXPECTED TO USE EROSION CONTROL DEVICES AT THEIR WORK LOCATIONS, AS NEEDED.
6. UTILIZE STABILIZED CONSTRUCTION ENTRANCE AT ENTRANCE AND EXIT ONTO ANY EXISTING PUBLIC STREETS.
7. IF THE INITIAL EARTH WORK AND UTILITIES ARE DONE AS PART OF A PUBLIC IMPROVEMENT PROJECT, THESE EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS SPECIFIED IN THE INDIVIDUAL PROJECT CONTRACTS. THE CONTRACTOR WILL MAINTAIN THE DEVICES UNTIL COMPLETION OF THE CONTRACT, AT WHICH TIME THE DEVELOPER WILL ASSUME MAINTENANCE RESPONSIBILITIES. IF THESE CONTRACTS ARE NOT PUBLIC IMPROVEMENT PROJECTS, THE DEVELOPER WILL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THESE DEVICES.
8. WITHIN 14 DAYS OF COMPLETION OF EARTHWORK ACTIVITIES IN ANY GIVEN AREA, THAT AREA SHALL BE TEMPORARILY OR PERMANENTLY SEEDED AND MULCHED.

PHASE 2 – INSTALLATION OF STORM SEWER



1. DURING THIS PHASE OF SUBDIVISION DEVELOPMENT, ALL EROSION CONTROL DEVICES REQUIRED IN PHASE 1 SHALL REMAIN IN PLACE AND BE MAINTAINED.
2. AS NEW STORM SEWERS, WITH INLETS, ARE INSTALLED, THE STORM SEWERS MUST NOW BE PROTECTED SO ALL NEW INLETS BECOME POINTS OF COMPLIANCE.
3. AREA DRAINS – AS SOON AS WATER CAN FLOW INTO THESE DRAINS, HAY BALE OR SILT FENCE PROTECTION WILL BE INSTALLED AROUND THEM.
4. CURB OPENING INLETS – AS SOON AS WATER CAN FLOW INTO THESE DRAINS, INLET PROTECTION DEVICES MUST BE INSTALLED. IF WATER CANNOT FLOW INTO CURB INLETS UNTIL STREET CONSTRUCTION IS COMPLETE, THEN STREET CONTRACTOR WILL INSTALL INLET PROTECTION. SEE PHASE 3 – STREET CONSTRUCTION.
5. THE STORM SEWER CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THESE DEVICES.
6. THE SUBDIVISION DEVELOPER WILL MAINTAIN THESE EROSION CONTROL DEVICES ONCE INSTALLED.
7. ALL DISTURBED GROUND WILL BE FINAL GRADED AND TEMPORARILY OR PERMANENTLY SEEDED WITHIN 14 DAYS IF COMPLETION OF WORK IN ANY GIVEN PART OF THE SUBDIVISION.
8. ONCE ALL DISTURBED GROUND DRAINING TO AN INLET HAS BEEN RESTABILIZED WITH GRASS OR SOD, THE SUBDIVISION DEVELOPER WILL BE RESPONSIBLE FOR PERMANENTLY REMOVING THE INLET PROTECTION.

PHASE 3 – STREET CONSTRUCTION



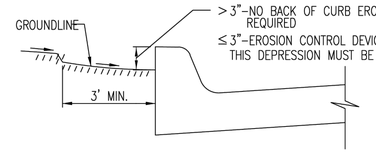
1. DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, NEW STREETS ARE INSTALLED. ALL EROSION CONTROL DEVICES INSTALLED DURING PHASE 1 AND 2 MUST STILL BE MAINTAINED. THE POINT OF COMPLIANCE NOW SHIFTS TO THE BACK OF CURB ALONG EACH STREET.
2. CURB OPENING INLET PROTECTION:
   A. SUMP AREAS – INLET PROTECTION SHALL BE PROVIDED WHEN STREET SUBGRADE WORK IS COMPLETED.
   B. NON–SUMP LOCATIONS – PROVIDE INLET PROTECTION AS SOON AS BASE COURSE ASPHALT IS INSTALLED, BEFORE THE SURFACE COURSE LIFT.
3. EROSION CONTROL DEVICES WILL BE REQUIRED BACK OF CURB WHEREVER WATER CAN FLOW OVER THE CURB AND THE CURB HAS BEEN BACKFILLED TO WITHIN 3" OR LESS OF THE TOP OF CURB (SEE CURB BACKFILL DETAIL). FOR CURBS NOT YET ENTIRELY BACKFILLED (3" OR MORE BELOW TOP OF CURB), ADDITIONAL DEVICES WILL BE REQUIRED AT POINTS WHERE WATER BREAKS OVER CURB WHICH COULD RESULT IN THE PLACEMENT OF SEDIMENT IN THE GUTTER.
4. SEE DETAIL SHEET FOR BACK OF CURB PROTECTION.
5. THE BACK OF CURB PROTECTION SPECIFIED ON THIS PLAN MAY HAVE TO BE SUPPLEMENTED WITH HAY BALE OR SILT FENCE EROSION CONTROL DEVICES AT LOCATIONS WHERE CONCENTRATED FLOW RESULTS IN SEDIMENT BEING CARRIED OVER THE EXCELSIOR MATS.
6. THE STREET CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING BACK OF CURB EROSION CONTROL DEVICES.
7. THE INDIVIDUAL LOT OWNERS WILL BE RESPONSIBLE FOR MAINTAINING THE BACK OF CURB EROSION CONTROL DEVICES IN FRONT OF THEIR LOTS UNTIL SUCH TIME AS ADJACENT DISTURBED EARTH IS STABILIZED WITH GRASS OR SOD.

GENERAL NOTES

1. THE INTENT OF ALL EROSION CONTROL DEVICES IS TO PREVENT ERODED SOIL FROM ENTERING DITCHES, STORM SEWERS, LAKES, STREETS OR ANY OTHER OTHER DRAINAGE FEATURE.
2. THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPE OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.
3. EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS TO REMAIN EFFECTIVE. MAINTENANCE SHALL BE AS INDICATED ON SOIL EROSION BMP'S DETAIL SHEETS.
4. PERSONS DESTROYING EROSION CONTROL DEVICES SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING THEM OR INSTALLING SUITABLE REPLACEMENT DEVICES.
5. THE DEVELOPMENT OF ANY SUBDIVISION THAT DISTURBS 1 ACRE OR MORE WILL REQUIRE A FEDERAL/STATE NPDES STORMWATER PERMIT. THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED. EROSION CONTROL DEVICES ARE REQUIRED. THE DETAILS SHOWN ON THIS SHEET ARE THE MINIMUM STANDARDS TO BE SHOWN ON POLLUTION PREVENTION PLANS.
6. FOR SUBDIVISIONS SMALLER THAN 1 ACRE, SOIL EROSION DEVICES ARE REQUIRED. ALSO, DEVELOPERS AND CONTRACTORS ARE ENCOURAGED TO DEVELOP POLLUTION PREVENTION PLANS FOR EACH PROJECT PRIOR TO CONSTRUCTION.
7. FAILURE TO USE AND MAINTAIN SOIL EROSION DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE SUBDIVISION DEVELOPER AND CONTRACTORS TO THE PENALTIES PROVIDED THEREIN.
8. THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE DEVICES OTHER THAN THAT SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED SO LONG AS THEY ARE EFFECTIVE AND MAINTAINED.
9. A STABILIZED EARTH SURFACE IS DEFINED AS ONE THAT IS HARD SURFACED WITH CONCRETE, ASPHALT, OR THE LIKE, OR ONE ON WHICH 70% OF THE GRASS HAS GERMINATED ON THE ENTIRE SURFACE.

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05/30/13

SEE DETAIL SHEET FOR BACK OF CURB PROTECTION DETAIL



CURB BACKFILL DETAIL (STREET CONSTRUCTION ONLY)

THIS IS A TEMPORARY MEASURE ONLY, WHEN APPROVED BY THE PROJECT ENGINEER. THE DIRT GRADE BEHIND THE CURB SHALL BE BROUGHT TO THE TOP OF CURB, WITH TEMPORARY EROSION CONTROL MAT OR PERMANENT VEGETATION PLACED, PRIOR TO THE COMPLETION OF ALL PROJECTS.

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

SUBDIVISION DEVELOPMENT PROCESS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
472-2023-085908	.	08/2012

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 46 / 49

SW–505

AREA 151

Wichita, Sedgwick County, Kansas



BENCHMARK #1: CHISELED SQUARE WITH DIVOT ON THE NORTHEAST CORNER OF A CULVERT HEADWALL ON THE SOUTH SIDE OF 21ST STREET NORTH, 668 FEET WEST OF 151ST STREET WEST
ELEVATION = 1368.00 (NAVD88, G18)

BENCHMARK #2: CHISELED SQUARE WITH DIVOT ON SOUTHWEST CORNER OF BRIDGE HEADWALL ON THE SOUTH SIDE OF 21ST STREET NORTH, 1252 FEET EAST OF 151ST STREET WEST
ELEVATION = 1365.98 (NAVD88, G18)

(BASIS) = Basis of Bearings = Kansas Coordinate System of 1983 South Zone Grid Bearing

M = Measured
C = Calculated
D = Described
B.S.L. = Building Setback Line
C.A.C. = Complete Access Control

SURVEY MARKER LEDGEND

- ⊞ STONE (GOVERNMENT CORNER)
- ○ 1/2" IRON PIPE (FOUND - ORIGIN UNKNOWN)
- ⊠ 1/2" REBAR (FOUND - ORIGIN UNKNOWN)
- ◎ 3/4" IRON PIPE W/CAP (FOUND - ORIGIN UNKNOWN)
- ✖ 1/2" REBAR W/GARVER CAP (SET)
- ◐ BENCHMARK
- ● MONUMENT TO BE SET WITH STREET CONSTRUCTION PROJECT BY THE STREET DESIGNER

MINIMUM BUILDING PAD ELEVATION FOR LOWEST OPENING INTO STRUCTURES FOR ALL LOTS EXCEPT THOSE LISTED BELOW = 1372.5 (NAVD88)

THOSE LOTS EXEMPTED FROM A MINIMUM PAD ELEVATION ARE:
LOTS 5 - 10, BLOCK 1
LOTS 20 - 22, BLOCK 1
AND LOTS 1 - 3, BLOCK 2

NOTES:

1. Undefined Gas Easement over the NE1/4 of Sec. 10, T27S, R2W of the 6th P.M., Sedgwick County, Kansas, granted to Kansas Gas Supply Corporation, recorded at Misc. Book 472, Page 149 with the Register of Deeds in Sedgwick County, Kansas.
2. Undefined Gas Easement over the NE1/4 of Sec. 10, T27S, R2W of the 6th P.M., Sedgwick County, Kansas, granted to Kansas Gas Supply Corporation, recorded at Misc. Book 472, Page 151 with the Register of Deeds in Sedgwick County, Kansas.
3. All interior side-yard building setbacks will be 5 feet.

FOR INFORMATION ONLY

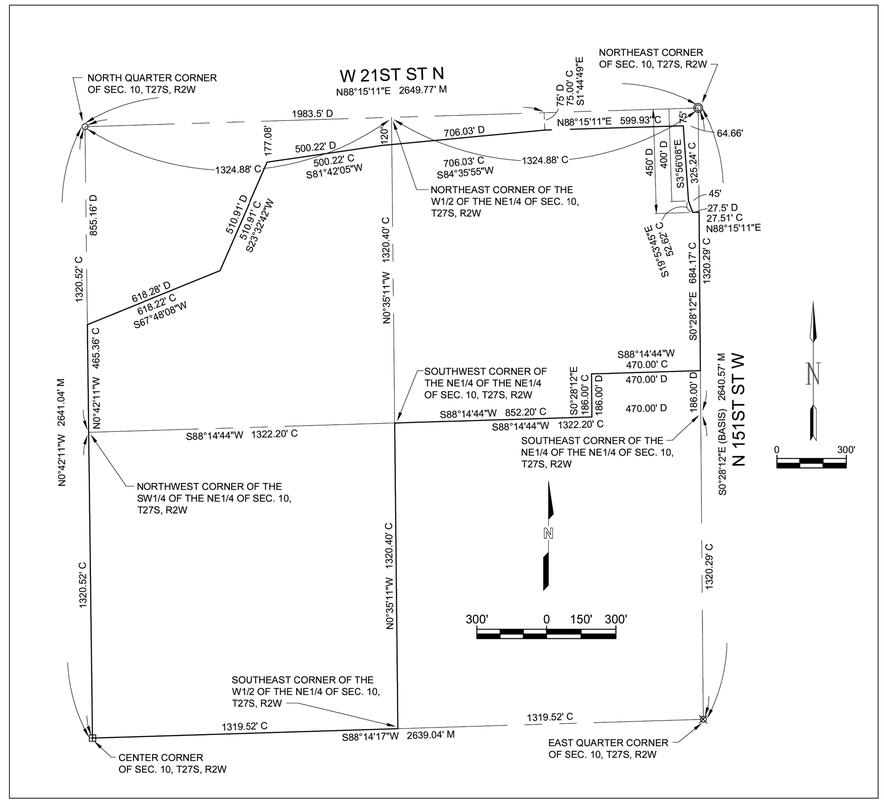
SHEET 1 OF 3

DWG FILE: 22S04021 SURVEY BASE
PROJECT NO. 22S04021
MARCH 17, 2023

GARVER
1995 MIDFIELD RD.
Wichita, KS 67209
(316) 264-8008
www.GarverUSA.com

AREA 151

Wichita, Sedgwick County, Kansas





(BASIS) = Basis of Bearings = Kansas Coordinate System of 1983 South Zone Grid Bearing
M = Measured
C = Calculated
D = Described
B.S.L. = Building Setback Line
C.A.C. = Complete Access Control

SURVEY MARKER LEGEND

- STONE (GOVERNMENT CORNER)
- 1/2" IRON PIPE (FOUND - ORIGIN UNKNOWN)
- 1/2" REBAR (FOUND - ORIGIN UNKNOWN)
- 3/4" IRON PIPE W/CAP (FOUND - ORIGIN UNKNOWN)
- 1/2" REBAR W/GARVER CAP (SET)
- BENCHMARK
- MONUMENT TO BE SET WITH STREET CONSTRUCTION PROJECT BY THE STREET DESIGNER

N

100' 0 50' 100'

BENCHMARK #1: CHISELED SQUARE WITH DIVOT ON THE NORTHEAST CORNER OF A CULVERT HEADWALL ON THE SOUTH SIDE OF 21ST STREET NORTH, 668 FEET WEST OF 151ST STREET WEST
ELEVATION = 1368.00 (NAVD88, G18)

BENCHMARK #2: CHISELED SQUARE WITH DIVOT ON SOUTHWEST CORNER OF BRIDGE HEADWALL ON THE SOUTH SIDE OF 21ST STREET NORTH, 1252 FEET EAST OF 151ST STREET WEST
ELEVATION = 1365.98 (NAVD88, G18)

SHEET 2 OF 3

FOR INFORMATION ONLY

DWG FILE: 22S04021 SURVEY BASE
PROJECT NO. 22S04021
MARCH 17, 2023

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Wichita, KS 67209
(316) 264-8008
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Lot Area Table	
Block # Lot #	Area SF
B1L1	201055.98
B1L2	12686.91
B1L3	9039.00
B1L4	9039.00
B1L5	9039.00
B1L6	8557.32
B1L7	16359.61
B1L8	15789.48
B1L9	7382.40
B1L10	7860.00
B1L11	7860.00
B1L12	7860.00
B1L13	7979.83
B1L14	13142.29
B1L15	9178.69
B1L16	8040.00
B1L17	8040.00
B1L18	8040.00
B1L19	8040.00
B1L20	8040.00

Lot Area Table	
Block # Lot #	Area SF
B1L21	8040.00
B1L22	14155.30
B2L1	14498.37
B2L2	8044.39
B2L3	8044.39
B2L4	8044.39
B2L5	8044.39
B2L6	8292.39
B2L7	14949.61
B2L8	17077.66
B2L9	17468.12
B2L10	11215.03
B2L11	9439.09
B2L12	8450.00
B2L13	7800.00
B2L14	7800.00
B2L15	7800.00
B2L16	7800.00
B2L17	8450.00
B2L18	8450.00

Lot Area Table	
Block # Lot #	Area SF
B2L19	8622.28
B2L20	13245.57
B2L21	8845.00
B2L22	8990.00
B2L23	8990.00
B2L24	8990.00
B2L25	8990.00
B2L26	8990.00
B2L27	8990.00
B2L28	8990.00
B2L29	8990.00
B2L30	10440.00
B3L1	12333.51
B3L2	10239.80
B3L3	11099.65
B3L4	9876.89
B3L5	8580.00
B3L6	8580.00
B3L7	12704.45
B3L8	10355.97

Lot Area Table	
Block # Lot #	Area SF
B3L9	8537.41
B3L10	8537.41
B3L11	8244.21
B3L12	8429.53
B3L13	8379.22
B3L14	8275.66
B3L15	8537.41
B3L16	8537.41
B3L17	10355.97
B3L18	10355.97
B3L19	8537.41
B3L20	8537.41
B3L21	8244.21
B3L22	8429.53
B3L23	8809.47
B3L24	9438.13
B3L25	10434.58
B3L26	10618.09
B3L27	10862.71
B3L28	12446.17

Lot Area Table	
Block # Lot #	Area SF
B3L29	14017.94
B3L30	7800.00
B3L31	7800.00
B3L32	7800.00
B3L33	7800.00
B3L34	7800.00
B3L35	7800.00
B3L36	7800.00
B3L37	7800.00
B3L38	8970.00
B3L39	9709.00
B3L40	8512.00
B3L41	8512.00
B3L42	8514.05
B3L43	9102.62
B3L44	10483.39
B3L45	13776.99
B3L46	12882.83
B3L47	10137.67
B3L48	9018.88

Lot Area Table	
Block # Lot #	Area SF
B3L49	8976.36
B3L50	9750.00
B3L51	11666.34
B3L52	15528.35
B3L53	10640.86
B3L54	9310.00
B3L55	10507.00
B3L56	9360.00
B3L57	8190.00
B3L58	8190.00
B3L59	8190.00
B3L60	9236.85
B3L61	8813.96
B3L62	10242.44
B3L63	10229.50
B3L64	9452.82
B3L65	8676.13
B3L66	15544.58
B3L67	9181.59
B3L68	8778.13

Lot Area Table	
Block # Lot #	Area SF
B3L69	9458.79
B3L70	9112.85
B3L71	13029.38
B3L72	10516.84
B3L73	7958.18
B3L74	7965.99
B3L75	7973.81
B3L76	9140.89
B3L77	9456.24
B3L78	7800.02
B3L79	7800.02
B3L80	8994.63
B3L81	7200.00
B3L82	7200.00
B3L83	10227.98
B3L84	12099.51
B3L85	9425.73
B3L86	9425.73
B3L87	13105.43
B3L88	11904.16

Lot Area Table	
Block # Lot #	Area SF
B3L89	8780.92
B3L90	8817.32
B3L91	8917.19
B3L92	10821.08
B3L93	11604.02
B3L94	9605.34
B3L95	9399.64
B3L96	9896.21
B3L97	9396.56
B3L98	9375.74
B3L99	9690.54
B3L100	11970.84
B3L101	8834.31
B3L102	8645.00
B3L103	8645.00
B3L104	8645.00
B3L105	10466.05
B4L1	12936.20
B4L2	7800.00
B4L3	7800.00

SHEET 3 OF 3

Lot Area Table	
Block # Lot #	Area SF
B4L4	8585.27
B4L5	9928.72
B4L6	12525.64
B4L7	11238.56
B4L8	9345.36
B4L9	7960.50
B4L10	7800.00
B4L11	7800.00
B4L12	8173.18
B4L13	10416.45
B4L14	9673.11
B4L15	7799.86
B4L16	7199.77
B4L17	7199.68
B4L18	7199.58
B4L19	7799.44
B4L20	8871.21
B4L21	10051.40
B4L22	14126.42
B4L23	12577.17

Lot Area Table	
Block # Lot #	Area SF
B4L24	10413.85
B4L25	8477.52
B4L26	8470.21
B4L27	8462.89
B4L28	8455.57
B4L29	8448.25
B4L30	9706.45
B5L1	12079.93
B5L2	8404.40
B5L3	8397.08
B5L4	9647.59
B6L1	10120.90
B6L2	8829.59
B6L3	8821.77
B6L4	8813.96
B6L5	9515.98
B6L6	9506.85
B6L7	8789.26
B6L8	8781.45
B6L9	8773.63

Lot Area Table	
Block # Lot #	Area SF
B6L10	14008.90
B7L1	12649.18
B7L2	8246.00
B7L3	8246.00
B7L4	8246.00
B7L5	8911.00
B7L6	8911.00
B7L7	8246.00
B7L8	8246.00
B7L9	8246.00
B7L10	9443.00
B7L11	9443.00
B7L12	8246.00
B7L13	8246.00
B7L14	8246.00
B7L15	8911.00
B7L16	8911.00
B7L17	8246.00
B7L18	8246.00
B7L19	7957.60

Lot Area Table	
Block # Lot #	Area SF
B7L20	12195.72
B7L21	11657.21
B7L22	7957.60
B7L23	8246.00
B7L24	8246.00
B7L25	8911.00
B7L26	8911.00
B7L27	8246.00
B7L28	8246.00
B7L29	8246.00
B7L30	9443.00
B7L31	9443.00
B7L32	8246.00
B7L33	8246.00
B7L34	8246.00
B7L35	8911.00
B7L36	8911.00
B7L37	8246.00
B7L38	8246.00
B7L39	7828.10

Lot Area Table	
Block # Lot #	Area SF
B7L40	11441.00
B7L41	10902.49
B7L42	7828.10
B7L43	8246.00
B7L44	8246.00
B7L45	8911.00
B7L46	8911.00
B7L47	8246.00
B7L48	8246.00
B7L49	8246.00
B7L50	9443.00
B7L51	9230.00
B7L52	8060.00
B7L53	8060.00
B7L54	8060.00
B7L55	8710.00
B7L56	8710.00
B7L57	8060.00
B7L58	8060.00
B7L59	8060.00

Lot Area Table	
Block # Lot #	Area SF
B7L60	10284.54
B8L1	10507.00
B8L2	9310.00
B8L3	14936.62
B8L4	12373.76
B8L5	9310.00
B8L6	9310.00
B8L7	10507.00
B9L1	10440.00
B9L2	9135.00
B9L3	9135.00
B9L4	9135.00
B9L5	9135.00
B9L6	9135.00
B9L7	9135.00
B9L8	9135.00
B9L9	9135.00
B9L10	11016.70
RESERVE A	632902.92
RESERVE B	51740.17

Lot Area Table	
Block # Lot #	Area SF
RESERVE C	4550.00
RESERVE D	11298.56
RESERVE E	48871.51
RESERVE F	300.00

AREA 151

Wichita, Sedgwick County, Kansas

State of Kansas)
SS
Sedgwick County)

We, Garver, LLC, Land Surveyors in aforesaid county and state, do hereby certify that, under the supervision of the undersigned, we have surveyed and platted "AREA 151", Wichita, Sedgwick County, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as follows:

Parcel 1:
The Northeast Quarter of the Northeast Quarter of Section 10, Township 27 South, Range 2 West of the 6th P.M., Sedgwick County, Kansas, EXCEPT a tract of land described as beginning at the Northeast corner of the Northeast Quarter of the Northeast Quarter of Section 10, Township 27 South, Range 2 West; thence West along the North line of the Northeast Quarter of the Northeast Quarter, a distance of 1324.80 feet; thence South and parallel to the East line of the Northeast Quarter, a distance of 70 feet; thence East and parallel to the North line of the Northeast Quarter; to a point 914.66 feet West and 70 feet South of the Northeast corner of the Northeast Quarter; thence Easterly to a point 664.44 feet West and 75 feet South of the Northeast corner of the Northeast Quarter; thence Easterly to a point 64.66 feet West and 75 feet South of the Northeast corner of the Northeast Quarter; thence Southerly to a point 400 feet South and 45 feet West of the Northeast corner of the Northeast Quarter; thence Southerly to a point 450 feet South and 27.5 feet West of the Northeast corner of the Northeast Quarter; thence East and parallel to the North line of the Northeast Quarter, to a point on the East line of the Northeast Quarter, 450 feet South of the point of beginning; thence North along the East line of the Northeast Quarter of Section 10 to the point of beginning, EXCEPT That part of the Northeast Quarter of the Northeast Quarter of Section 10, Township 27 South, Range 2 West of the 6th P.M., Sedgwick County, Kansas, described as Beginning at the Southeast corner thereof; thence North along the East line of said Northeast Quarter, 186 feet; thence West parallel with the South line of said Northeast Quarter, 470 feet; thence South parallel with said East line, 186 feet to the South line of said Northeast Quarter; thence East along the South line of said Northeast Quarter, 470 feet to the point of beginning, AND EXCEPT that part deeded to The Secretary of Transportation of the State of Kansas for road in Doc.#/Flm-Pg: 30093166.

Parcel 2:
The West Half of the Northeast Quarter of Section 10, Township 27 South, Range 2 West of the 6th P.M., Sedgwick County, Kansas, EXCEPT the West 160 feet of the North 342 feet thereof, EXCEPT the South 40 feet of the North 70 feet thereof, AND EXCEPT that part deeded to The Secretary of Transportation of the State of Kansas for road in Doc.#/Flm-Pg: 30093166.

All public easements and dedications are hereby vacated by virtue of K.S.A. 12-512b, as amended.

Garver, LLC

_____ Land Surveyor
William K. Clevenger, PS #1437

Know all men by these presents that we, the undersigned, have caused the land described in the surveyor's certificate to be platted into Lots, Blocks, Reserves and Streets, to be known as "AREA 151", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted to the public as indicated for the construction and maintenance of all public utilities. The drainage easements are hereby granted to the public as indicated for drainage purposes. The drainage & utility easements are hereby granted to the public as indicated for drainage purposes and for the construction and maintenance of all public utilities. The sewer easements are hereby granted to the public as indicated for the construction and maintenance of all sewer facilities. The Access Easements are hereby granted to the Homeowners Association for the construction and maintenance of pedestrian paths for use of the residents. No sign, light poles, private drainage systems, berms, walls masonry trash enclosures or other structures shall be located within public utility easements unless permitted by the City of Wichita Department of Engineering and that they do not inhibit the conveyance of surface drainage. The fire apparatus access road surface, gating apparatus and sign installation shall meet the minimum standards for a Fire Apparatus Access Road required by the City of Wichita Fire Department. The Developer shall be responsible for the installation of the surface, gating apparatus and sign within the fire apparatus access road. The Lot Owners Association shall be responsible for the continued maintenance of the fire apparatus access road. The City of Wichita is hereby granted the right to enter upon such premises at any time for the purposes of constructing, maintaining, and repairing such fire apparatus access road. No private drainage systems shall be located within public drainage easements unless a Residential Drainage Relief Permit is obtained from the City of Wichita Public Works & Utilities Department. Access Controls as indicated are hereby granted to the appropriate governing body. The Temporary Access Controls will each convert to one opening upon the paving of the adjoining North 151st Street West. The streets are hereby dedicated to and for the use of the public. No obstructions shall be constructed or placed within street stubs providing future access to adjacent properties. The Temporary turnaround easements on Kristina St, Cody Ln and Reese St are hereby granted for the use of the public, and will expire upon extension of the streets beyond the limits of this plat. Reserve "A" and "D" are hereby reserved for irrigation, walls, signage, walks, lighting, landscaping, berms, lakes, drainage, drainage structures, and utilities confined to easements. Reserve "B" is hereby reserved for irrigation, signage, landscaping, lighting, park improvements, a club house, swimming pool, walks, drainage, and utilities confined to easements. Reserve "C" is hereby reserved for landscaping, drainage and utilities. Reserve "E" is hereby reserved for irrigation, landscaping, walks and sanitary sewer improvements. Reserve "F" is hereby reserved for irrigation, signage, entry features, landscaping, and and utilities confined to easements. The Reserves are to be owned and maintained by the Home Owners Association for the addition, their successors and/or assigns. No regrading within abutting rights-of-way shall be allowed with the construction of the berms allowed within Reserves A and D. The berms cannot impact access to or bury manholes, water valves and/or water meters. Minimum Pad Elevations for lowest openings are as shown on the accompanying table. A master drainage plan has been developed for this plat. All drainage easements, rights of way and reserves shall remain at established grades (unless modified with the approval of the City Engineer) and shall be unobstructed to allow for the conveyance of stormwater in accordance with the Stormwater Manual. FEMA floodplain and regulatory floodway boundaries are subject to periodic change, and such change may affect the intended land use within the subdivision. The maintenance of all drainageways and drainage facilities in backyard easements and reserves shall be the responsibility of the property owner, and shall be enforced by the Homeowners' Association and be provided for in the Homeowners' Association covenants. Compliance with any platted restrictions and applicable restrictive covenants affecting said Reserves shall be binding on any owners, successors, heirs or assigns.

Area 151, LLC.

_____ Co-Manager
Ryan Wayne Nett

State of Kansas)
SS
Sedgwick County)

The foregoing instrument acknowledged before me, this ____ day of

_____ , 2023, Ryan Wayne Nett, Co-Manager, on behalf of Area 151, LLC.

_____ Notary Public
Marsha R. Bishop

My appointment expires _____ .

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	192.25	132.00	83.45	N39° 58' 38"E	175.70
C2	93.24	143.84	37.14	S76° 49' 49"E	91.62
C3	225.33	222.00	58.16	S52° 37' 23"W	215.79
C4	231.74	300.00	44.26	N45° 40' 28"E	226.02
C5	50.49	129.00	22.43	N33° 17' 37"W	50.17
C6	217.24	182.00	68.39	S33° 36' 31"W	204.57
C7	106.61	100.00	61.08	S29° 57' 13"W	101.63
C8	207.55	100.00	118.92	N60° 02' 47"W	172.25
C9	204.65	132.00	88.83	S43° 49' 46"W	184.76
C10	204.39	132.00	88.72	N43° 53' 16"E	184.57
C11	243.10	157.00	88.72	S43° 53' 16"W	219.53
C12	79.89	200.00	22.89	S13° 11' 24"E	79.36

We the undersigned, holders of a mortgage on a portion of the above described property, do hereby consent to this plat of "AREA 151", Wichita, Sedgwick County, Kansas.

Emprise Bank, N.A.

_____ Senior Vice President
Lori Newell

State of Kansas)
SS
Sedgwick County)

The foregoing instrument acknowledged before me this ____ day of

_____ , 2023, by Lori Newell, Senior Vice President, on behalf of Emprise Bank.

_____ , Notary Public

My appointment expires _____ .

This plat of "AREA 151", Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this ____ day of _____ , 2023.

Wichita-Sedgwick County Metropolitan Area Planning Commission

_____ Chair
Ann M. Fox

_____ Secretary
Scott A. Wadle

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this ____ day of _____ , 2023.

At the Direction of the City Council

_____ Mayor
Brandon J. Whipple

_____ City Clerk
Jamie Buster

Reviewed in accordance with K.S.A. 58-2005 on this ____ day of _____ , 2023.

Deputy County Surveyor
_____ Sedgwick County Kansas
Tricia L. Robello, PS #1246

Entered on transfer record this ____ day of _____ , 2023.

_____ County Clerk
Kelly B. Arnold

State of Kansas)
SS
Sedgwick County)

This is to certify that this plat has been filed for record in the office of the Register of Deeds, this ____ day of _____ , 2023, at ____ o'clock __ M, and is duly recorded.

_____ Register of Deeds
Tonya Buckingham

_____ Deputy
Kenly Zehring

FOR INFORMATION ONLY

DWG FILE: 22S04021 SURVEY BASE
PROJECT NO. 22S04021
MARCH 17, 2023

GARVER
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Wichita, KS 67209
(316) 264-8008
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