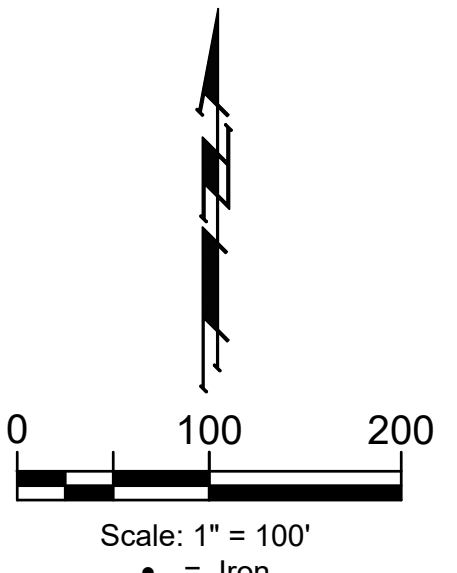
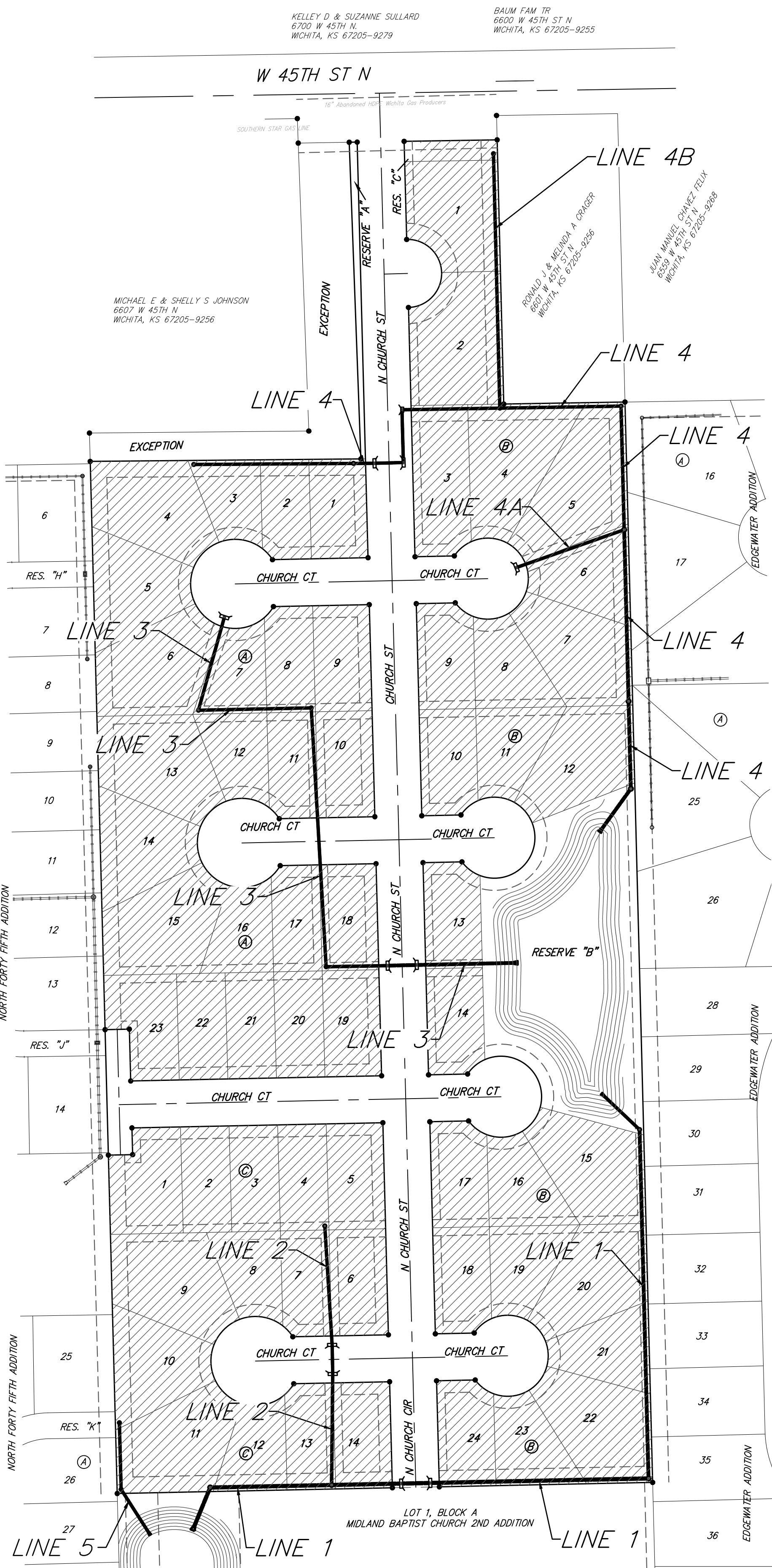


STORMWATER DRAIN #562 IMPROVEMENTS
to serve
MIDLAND BAPTIST CHURCH 3RD ADDITION
CITY OF WICHITA, KANSAS

Paul Gunzelman, P.E., City Engineer
Project Number: 458-2026-085646
Org Code Number: 47318026
Munis Number: E6156

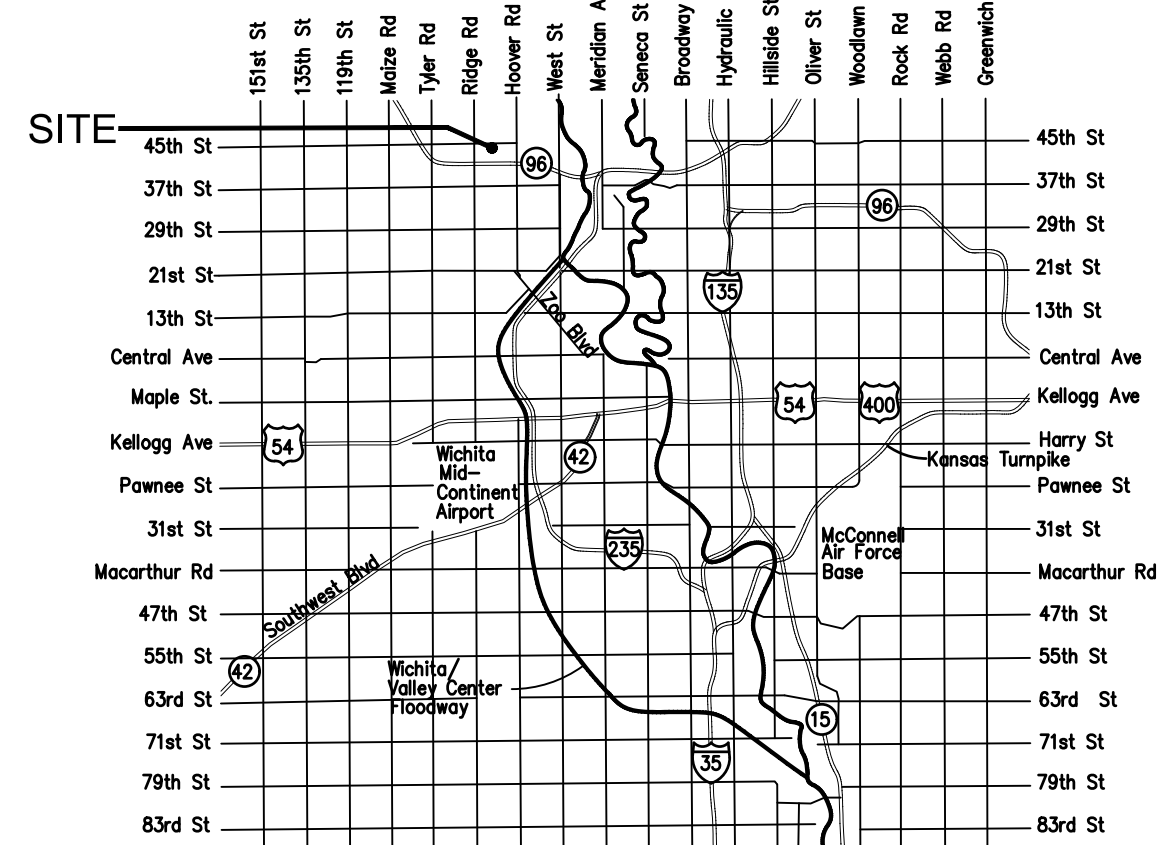


SHEET INDEX

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BENCHMARKS

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76.72' N & 33.93' W of the NW
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Church 3rd Add.
Elev. = 1339.80 NAVD88
- BM #2: Square with cross cut top
of Inlet. East line of "Res. J" North
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Elev. = 1338.03 NAVD88
- BM #3: Cross cut top of curb. 10'
W of the East line of "Res. K",
North Forty Fifth Addition
Elev. = 1336.84 NAVD88



VICINITY MAP

Stormwater Certification:

New Development or Redevelopment

Stormwater Permit # SUBMITTED

KS Permit # S-AR94-2033

Fed. Permit # KSR123903

These construction plans were prepared in accordance with the current Stormwater management Regulations as set forth in the City of Wichita's Stormwater Management Ordinance 16.32 and the policies/guidelines presented in the Wichita/Sedgwick County Stormwater Manual.

Site Area (Acres) = 21.17 ac.

Disturbed Area (Acres) = 21.17 ac.

Water Quality Treatment: Infiltration Basins

Downstream Channel Protection: Infiltration Basins

Detention: Infiltration Basins

The BMP used for this development is Infiltration Basins

GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of forty-eight (48) hours prior to any excavation, as follows:

Kansas One-Call 316-687-2470

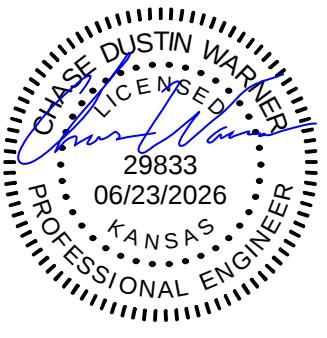
The Contractor must notify the following in case of an emergency:

Cox Communications 316-262-4270
Kansas Gas Service 1-888-482-4950
Everygy 316-383-8650
Black Hills Energy 1-800-303-0357
ATT 316-268-2245
City of Wichita Water Dept. 316-268-4563
City of Wichita Sewer Maint. 316-268-4024
City of Wichita Storm Sewer Maint. 316-268-4090
City of Wichita Traffic Maint. 316-268-4034
Comaco Phillips Pipeline Co. 1-877-267-2200
Southern Star Pipeline Co. 316-529-6600
Kinder-Morgan Pipeline Co. 1-888-844-5658
- Utility service lines, poles, valve boxes, meters, and etcetera 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.
- 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.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor ONLY with the Developer or Baughman Company approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- 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.
- 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.
- All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the Contractor and until project is accepted by the City of Wichita. The on-site Engineer shall complete weekly reports on the status of erosion control measures. The Contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site Engineer until project is accepted by City of Wichita.
- All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the Engineer.
- Res. "B" and southern infiltration basin disturbed by construction shall be seeded with Taylor Creek Restoration Nurseries Stormwater 75/20 Seed Mix at the recommended rate or approved equal.

All other disturbed areas not in street R/W are to be seeded as follows:
SEED -- Rye grass (PLS)--5#/1000 Sq. Ft.

All costs associated with seeding including mobilization, preparation of ground, seeding, fertilizing, mulching, etc. shall be included in the L.S. bid item "Seeding".
- The Developer for this project is Eric Gilbert:
Address: 305 S Laura Ave, Wichita, KS 67211
Phone: 316-650-7536
Email: emgilbert13@gmail.com

EARTH WORK TOTALS (Unadjusted for shrink & swell) (for information only)		
	Excavation	Fill
Res. "B" Basin	7,826	15
South Basin	10,546	136
Mass Grading	4,322	34,231
Trench Spoils	3,563	--
Import (By Others)	13,500	--
Total Earthwork	39,757	36,067

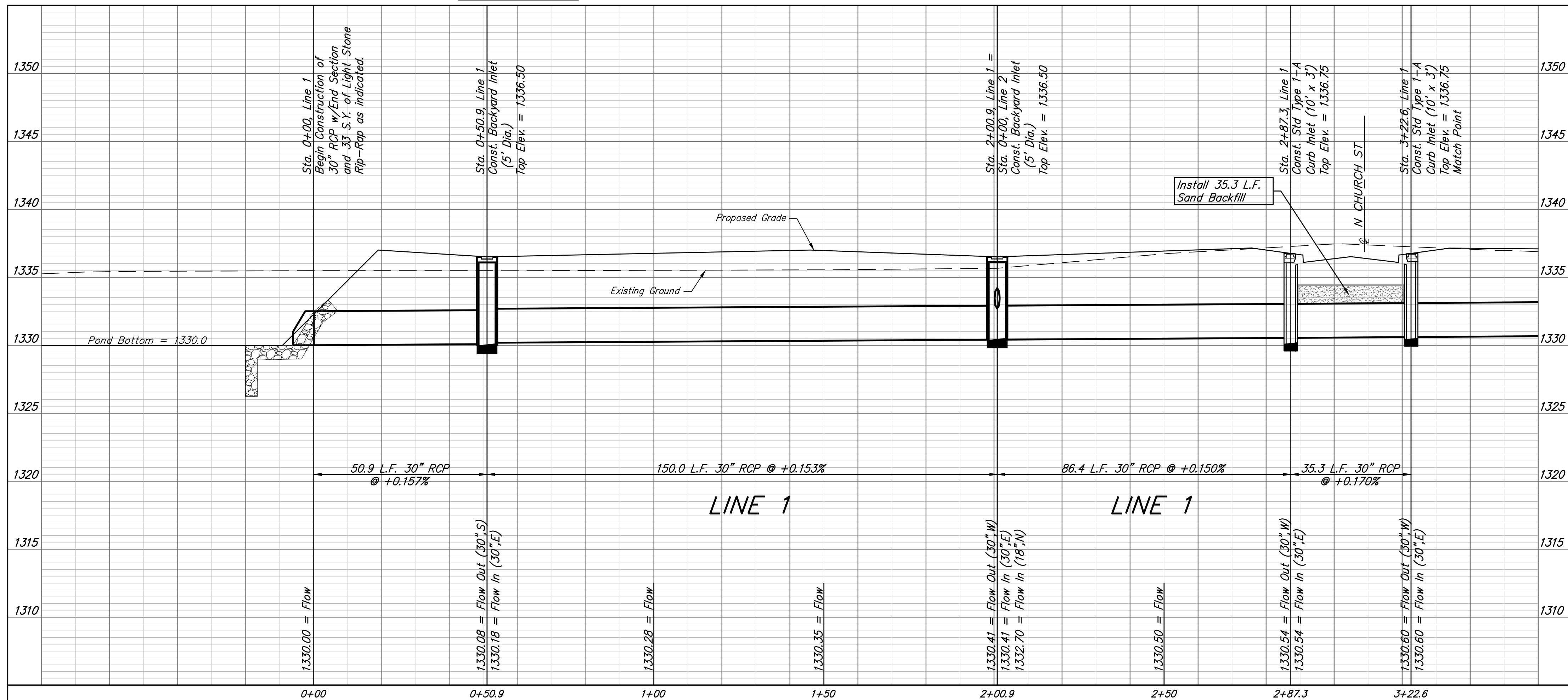


**BAUGHMAN COMPANY**
315 Ellis St. Wichita, KS 67211 316-262-7271
BaughmanCo.com

BENEFIT DISTRICT 

April 27, 2026

BM #3: Cross cut top of curb. 10'
W of the East line of "Res. K",
North Forty Fifth Addition
Elev. = 1336.84 NAVD88

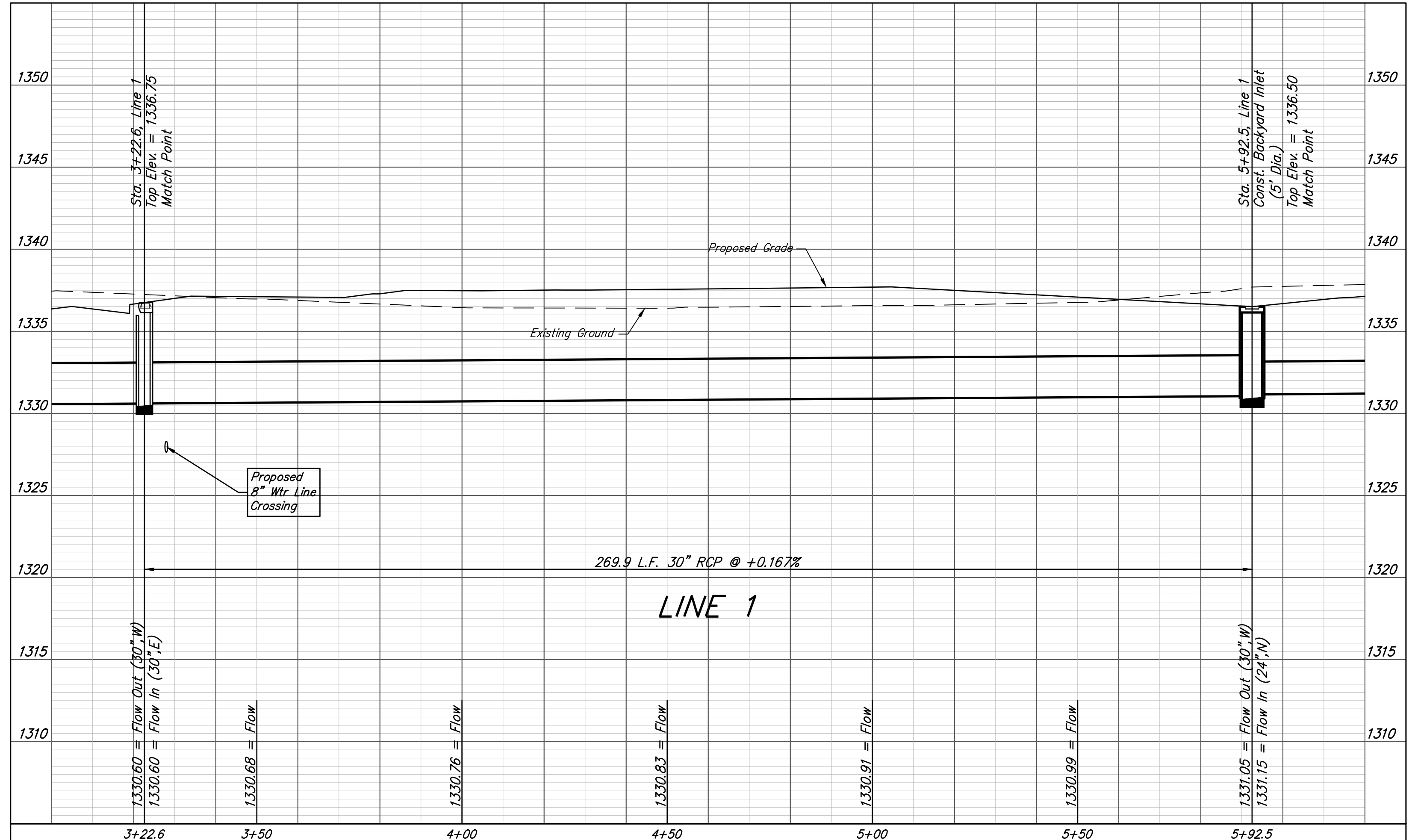
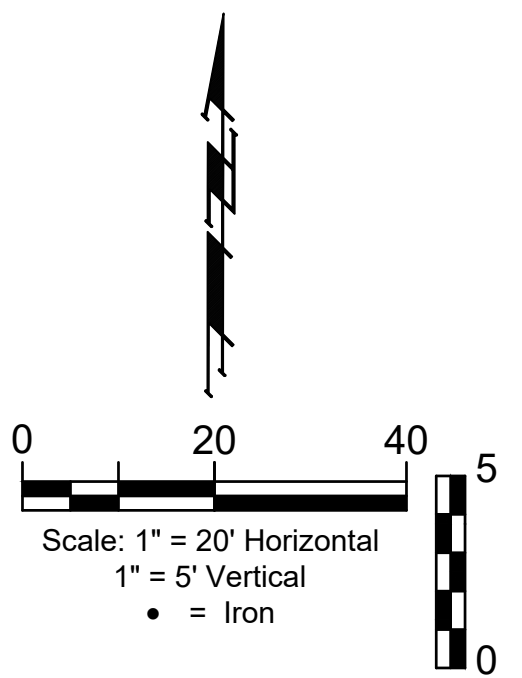
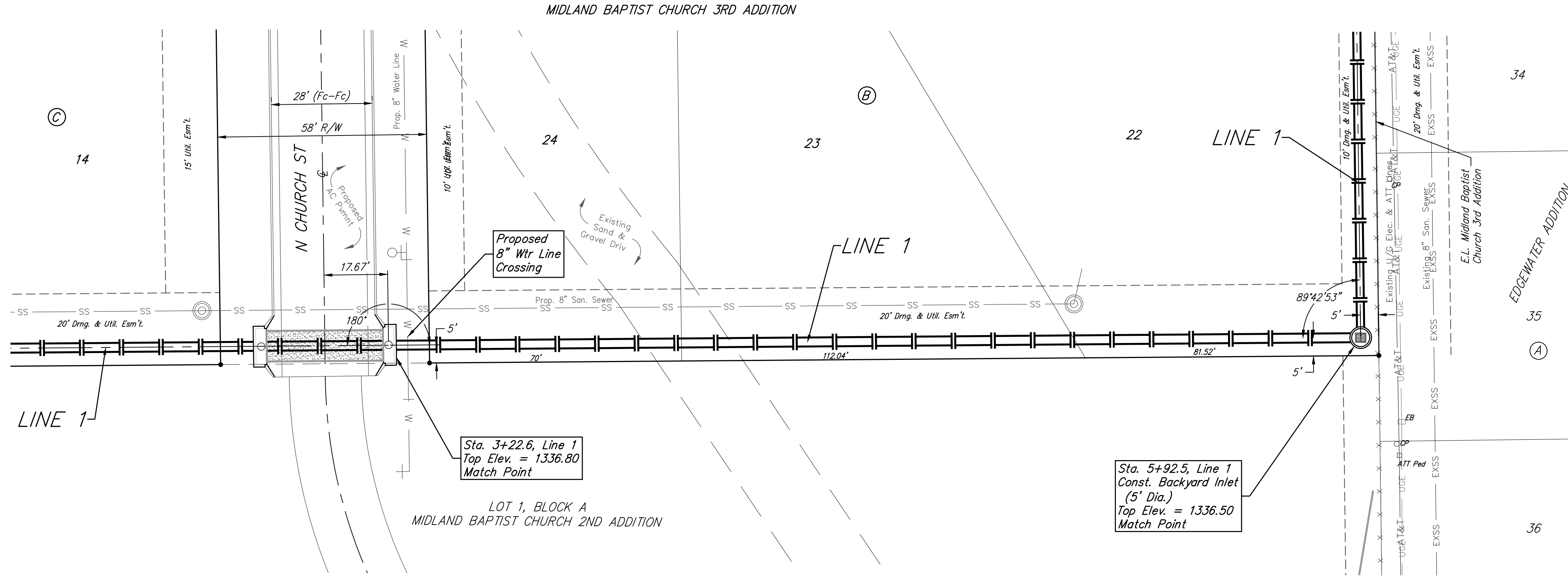


File: E:\Projects\Midland Baptist Church 3rd Addition 25-Engineering\SWD PLANS.dwg

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MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 1

STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK
DATE: April 29, 2026

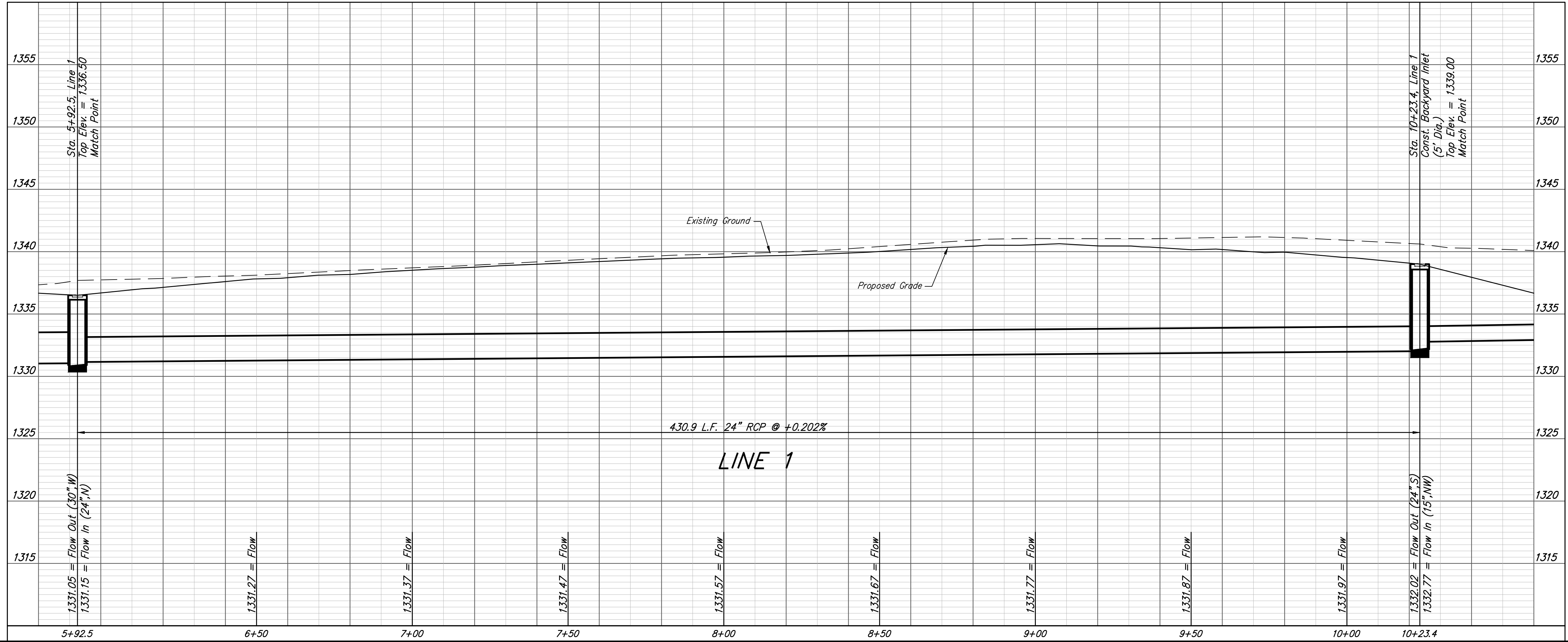
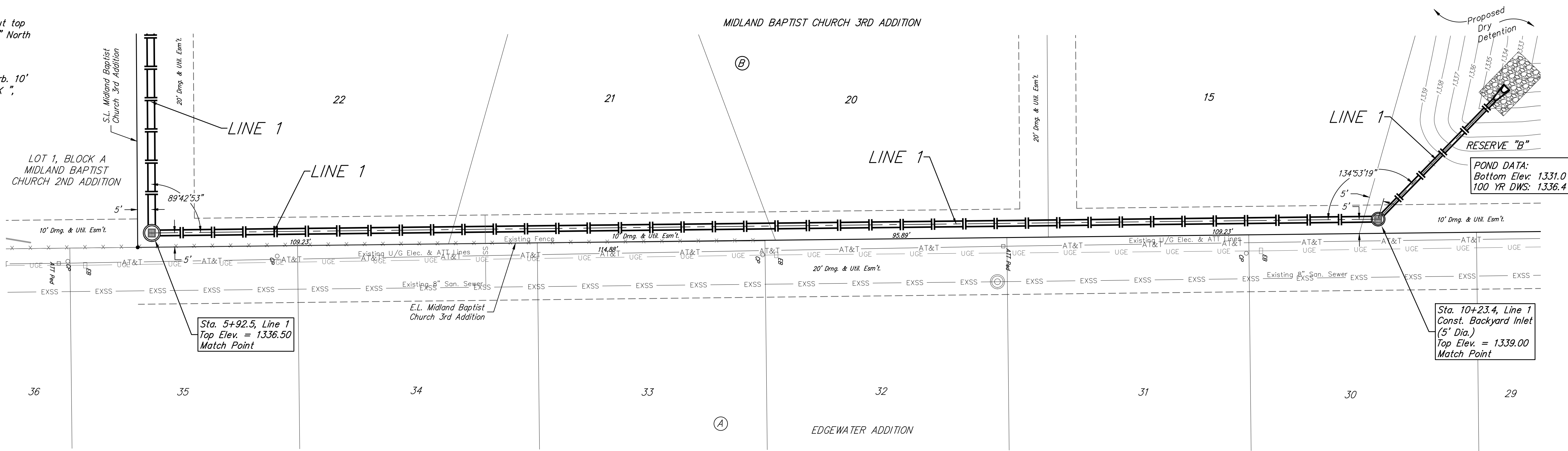
SHEET **3** OF **33**

File: E:\Projects\Midland Baptist Church 3rd Addition_25-1\Engineering\SWD_PLANS.dwg

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MIDLAND BAPTIST CHURCH
3RD ADDITION

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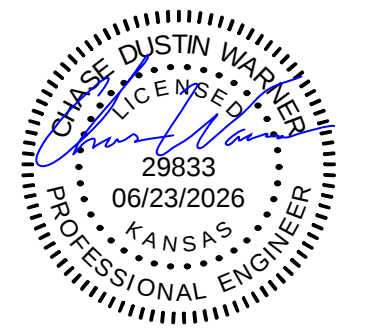
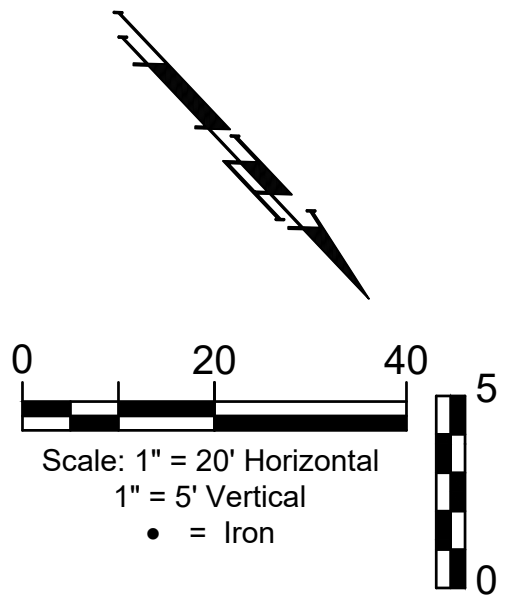
DATE: April 29, 2026

SHEET 4 OF 33

File: E:\Projects\Midland Baptist Church 3rd Addition_25-1\Engineering\SWD_PLANS.dwg

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MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 1

STORM WATER DRAIN IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

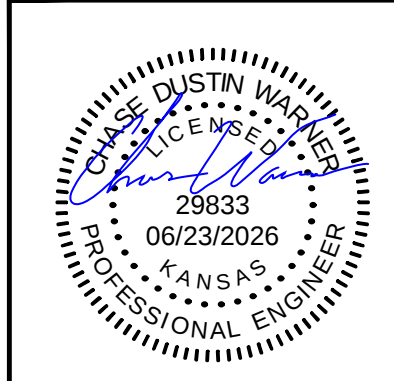
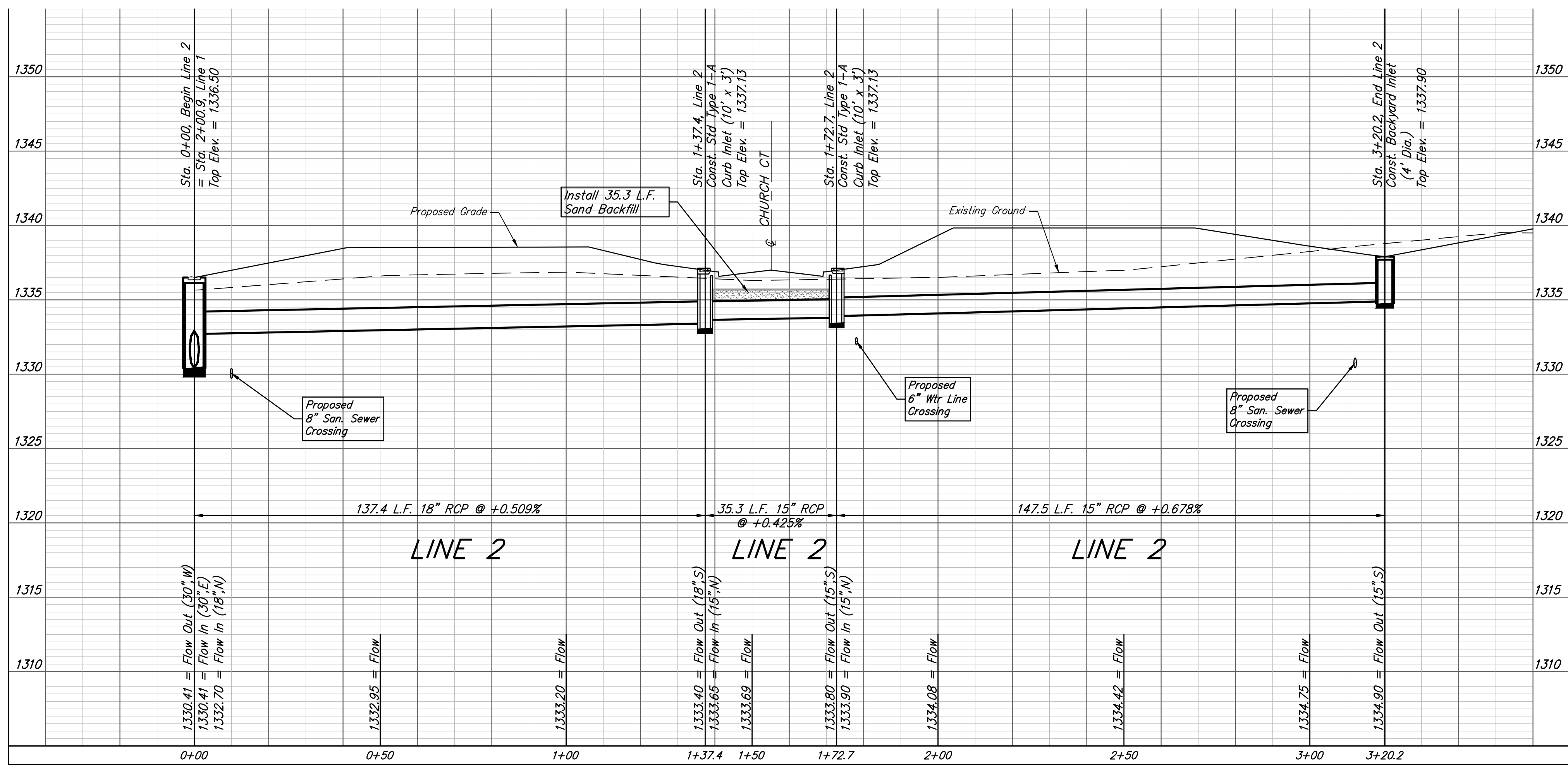
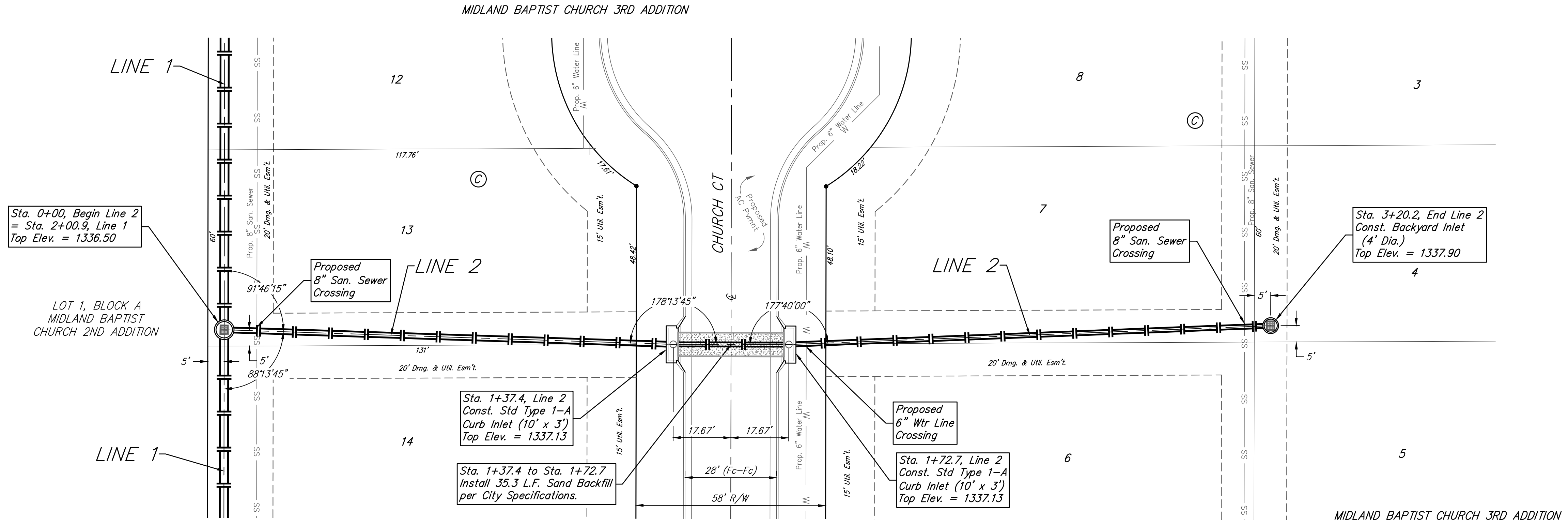
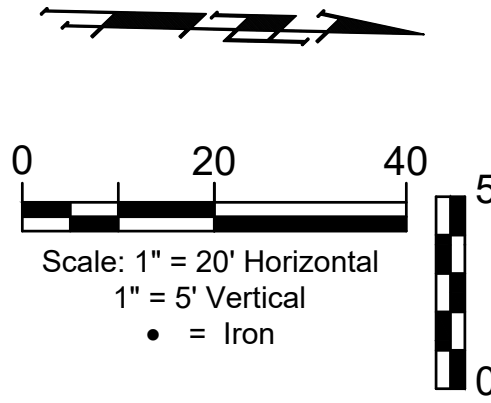
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SHEET **5** OF **33**

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Elev. = 1336.84 NAVD88



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MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 2

STORM WATER DRAIN
IMPROVEMENTS

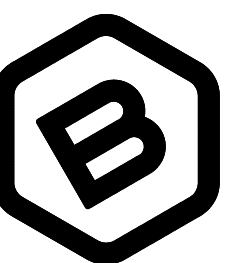
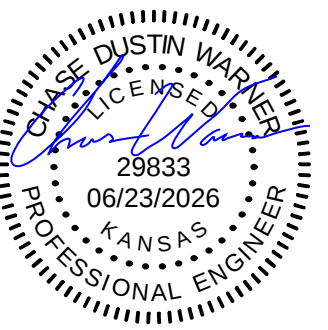
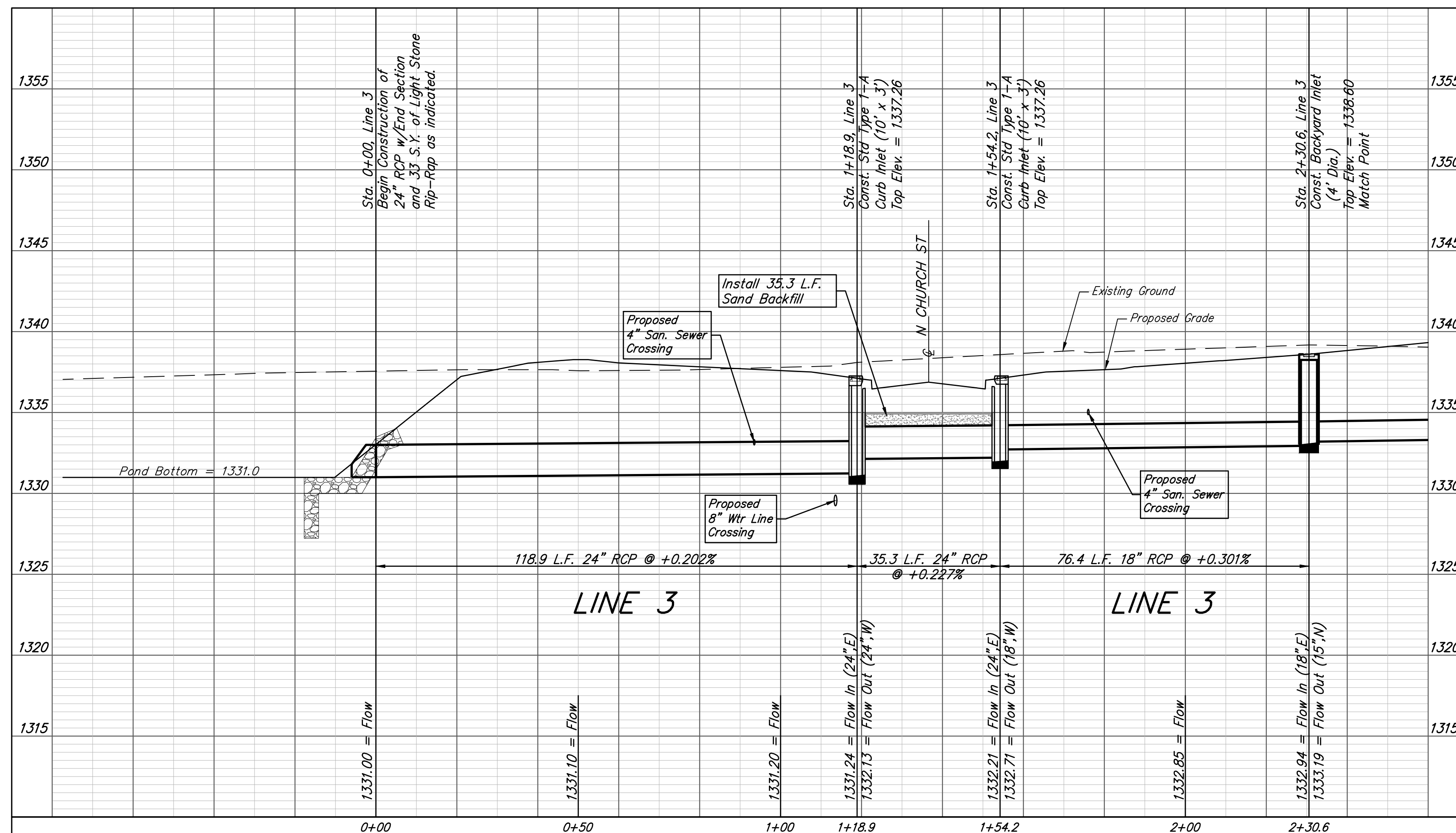
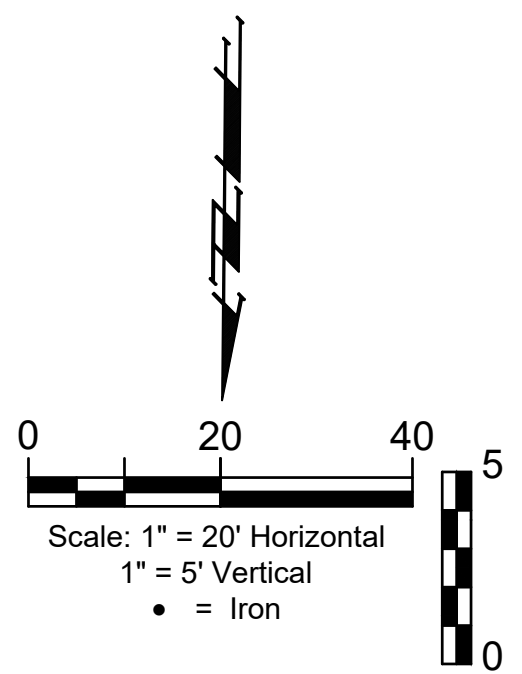
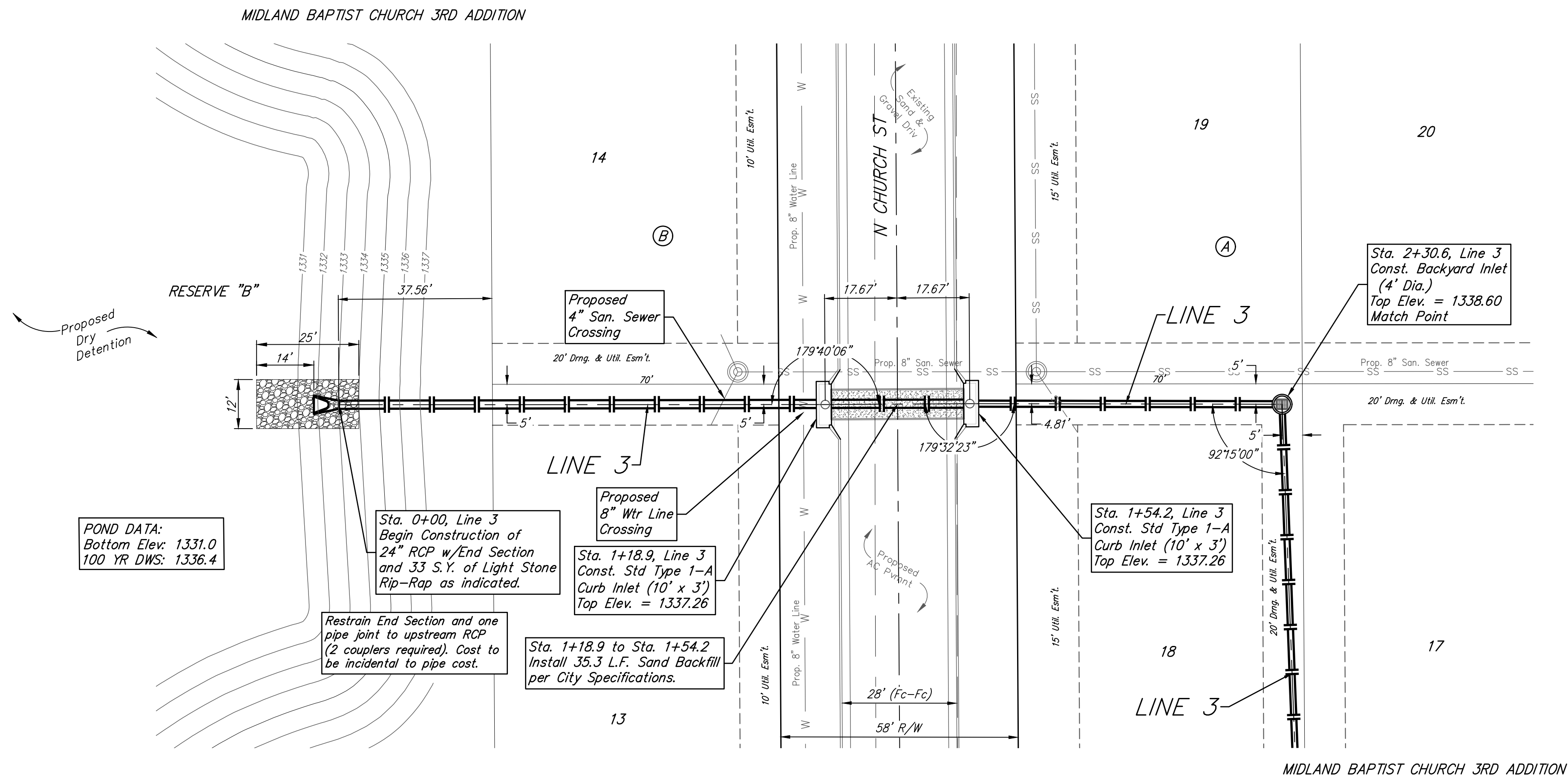
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458-2026-085646

DESIGN: CDW DRAWN: JAK
DATE: April 29, 2026

SHEET OF
6 33

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BM #3: Cross cut top of curb. 10'
W of the East line of "Res. K",
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Elev. = 1336.84 NAVD88



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MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 3

STORM WATER DRAIN IMPROVEMENTS

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DESIGN: CDW DRAWN: JAK
DATE: April 29, 2026

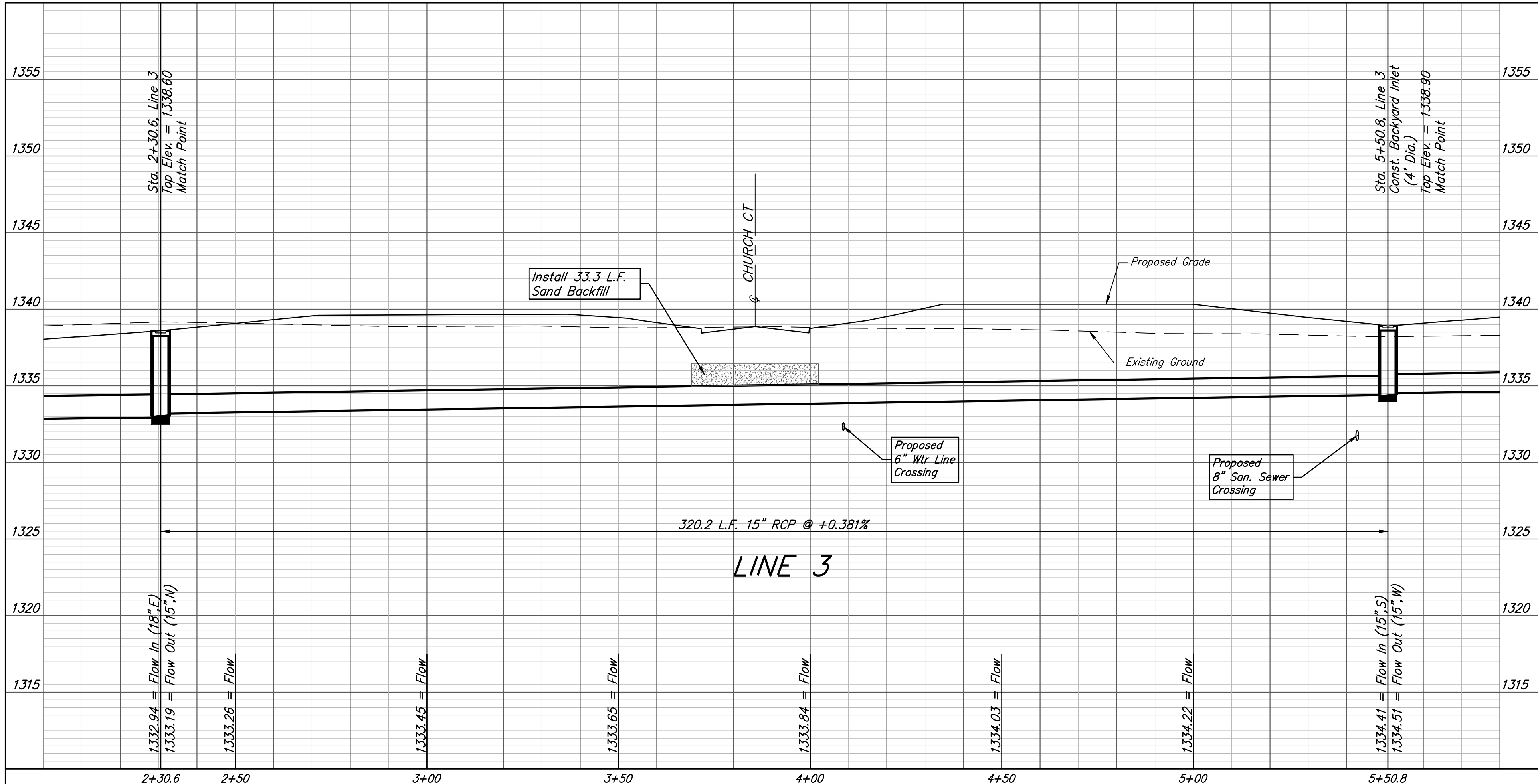
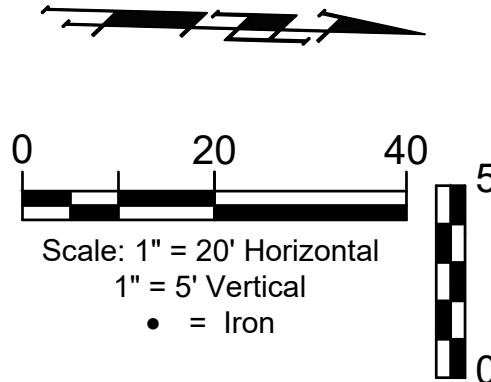
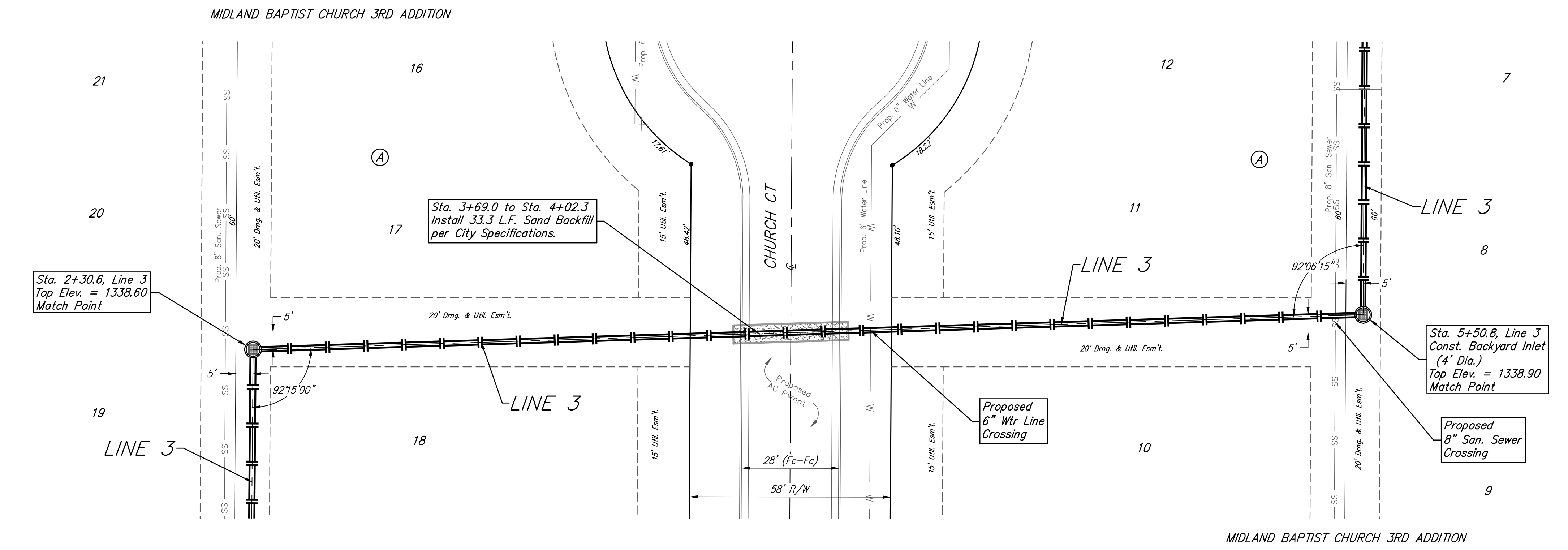
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MIDLAND BAPTIST CHURCH
3RD ADDITION

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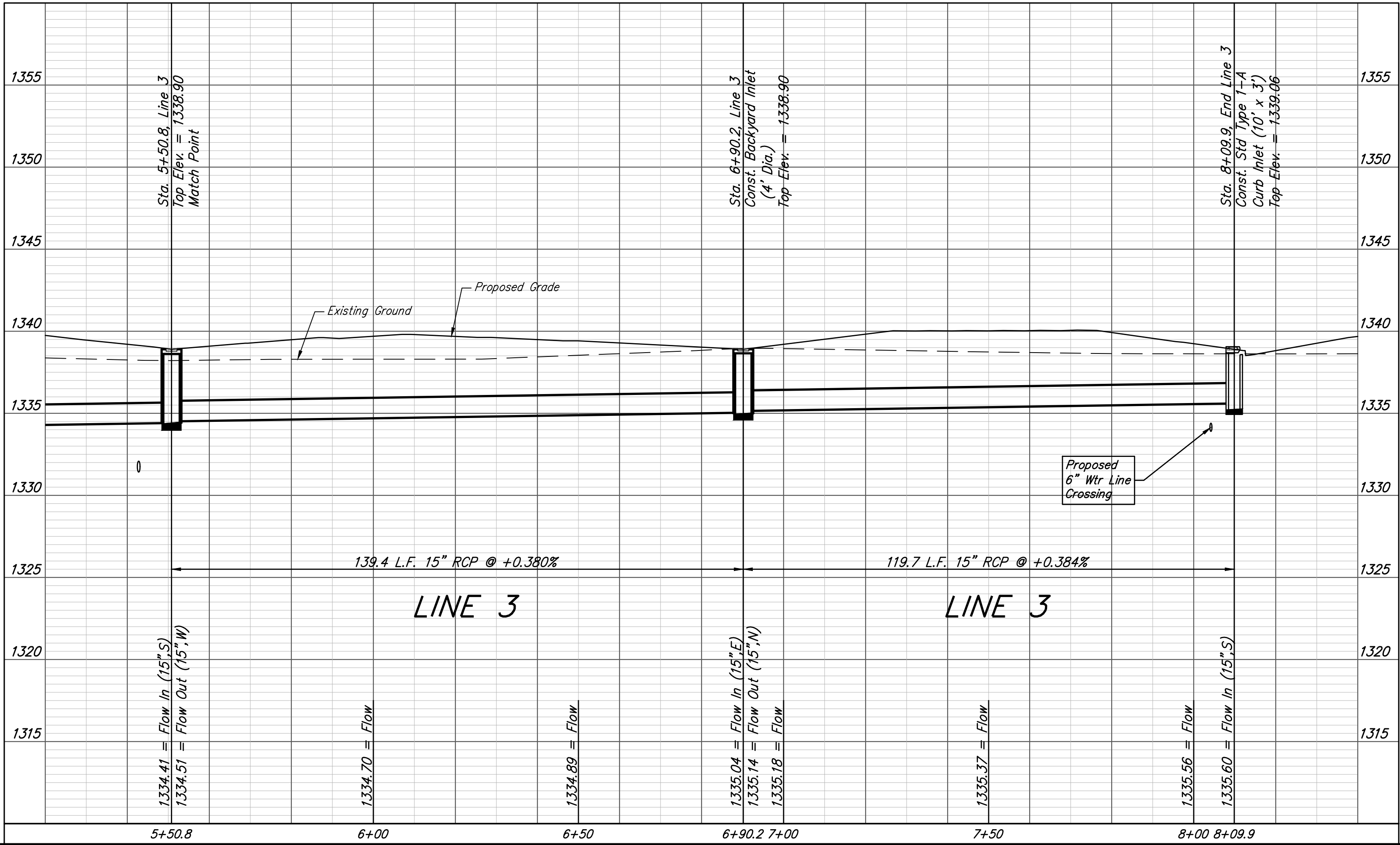
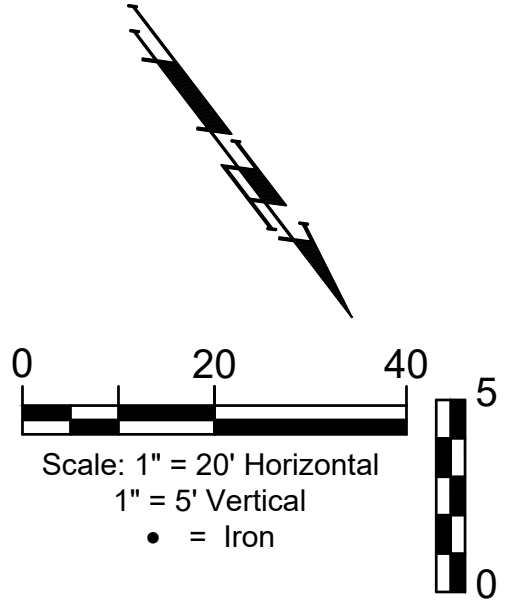
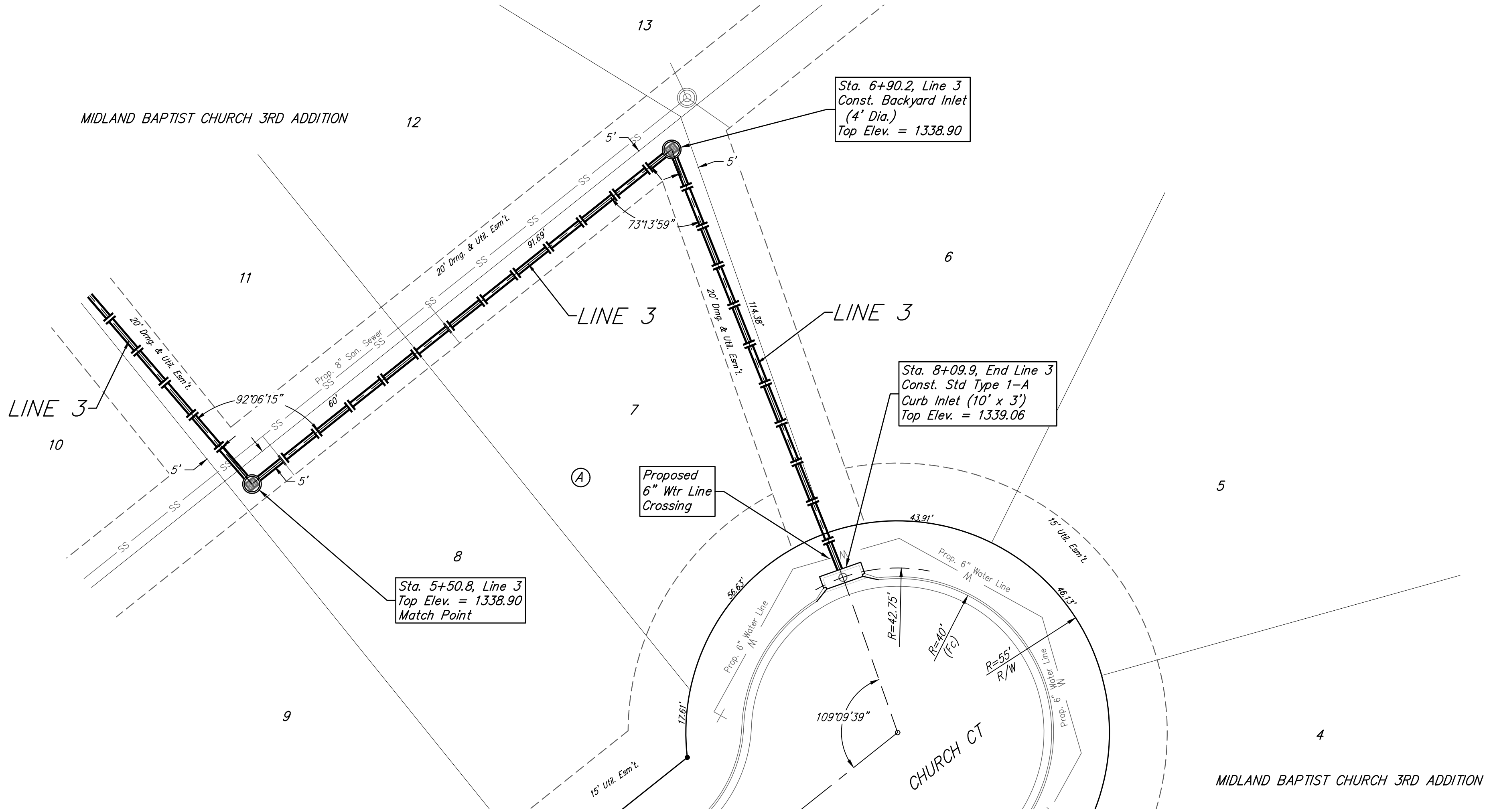
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SHEET **8** OF **33**

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MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 3

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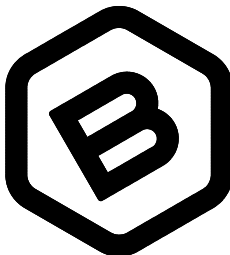
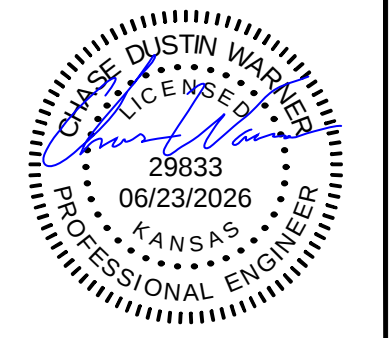
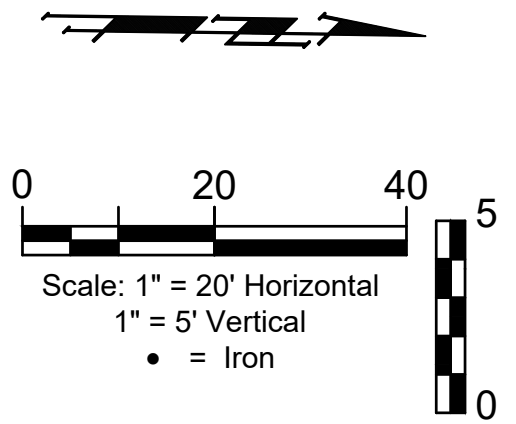
DATE: April 29, 2026

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MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 4

STORM WATER DRAIN IMPROVEMENTS

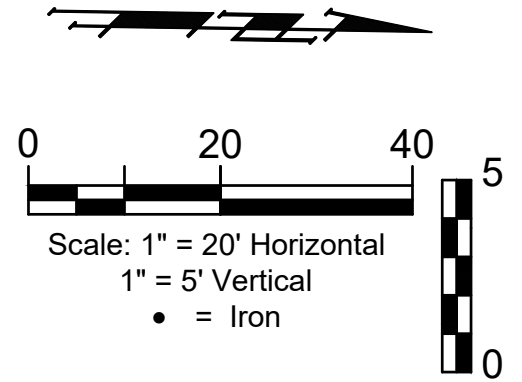
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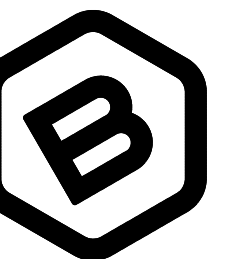
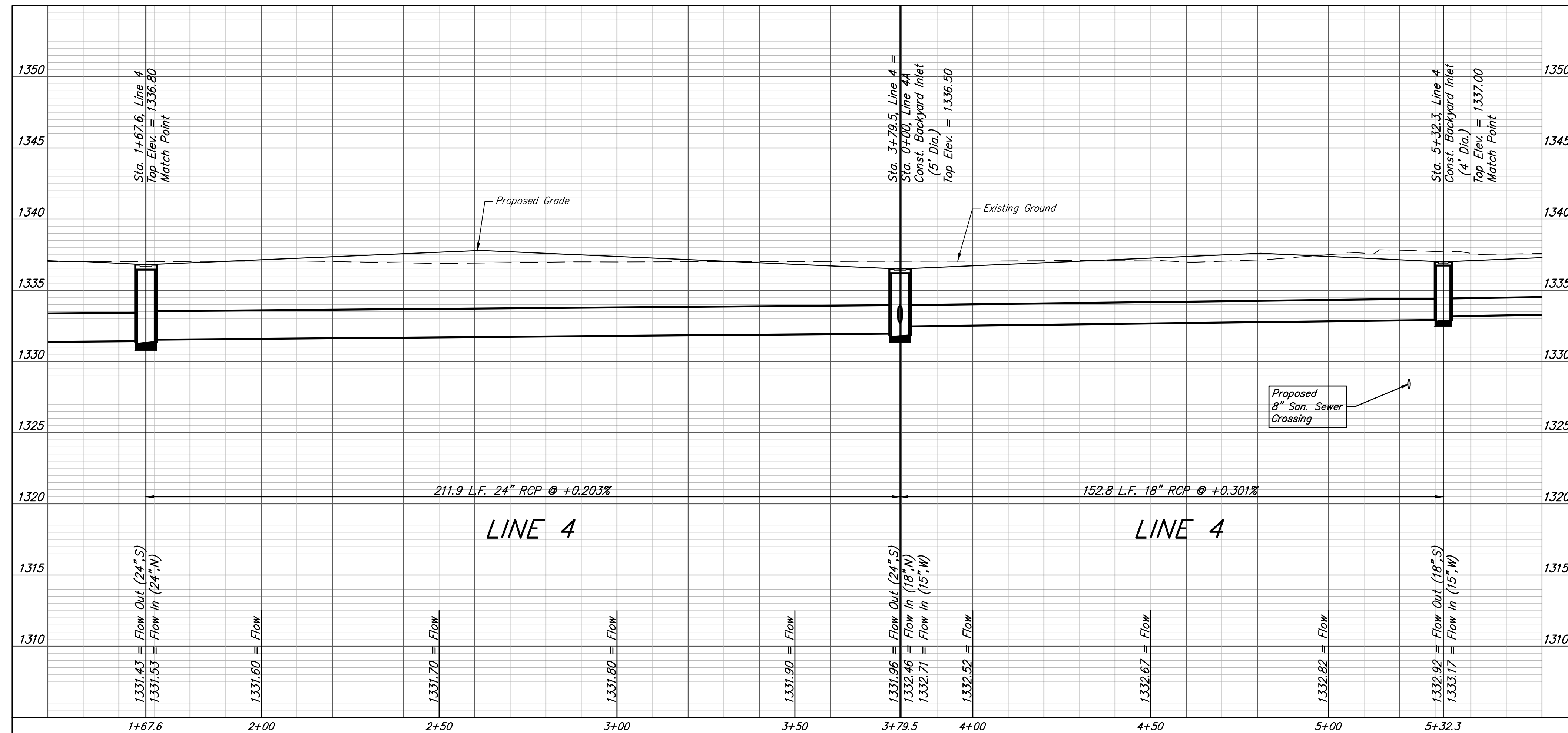
SHEET **10** OF **33**

File: E:\Projects\Midland Baptist Church 3rd Addition 25-\Engineering\SWD PLANS.dwg

BM #3: Cross cut top of curb. 10'
W of the East line of "Res. K",
North Forty Fifth Addition
Elev. = 1336.84 NAVD88



Existing trees shall be trimmed/removed ONLY with approval of the Developer. Trimming of overhanging limbs will be permitted only with chainsaws. Trees not in direct conflict with proposed new construction shall remain and be protected from damage. All Trimming or removal shall be included in bid item "Site Clearing & Restoration"



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LINE 4

DESIGN: CDW DRAWN: JAK
DATE: April 29, 2026

SHEET **11** OF **33**

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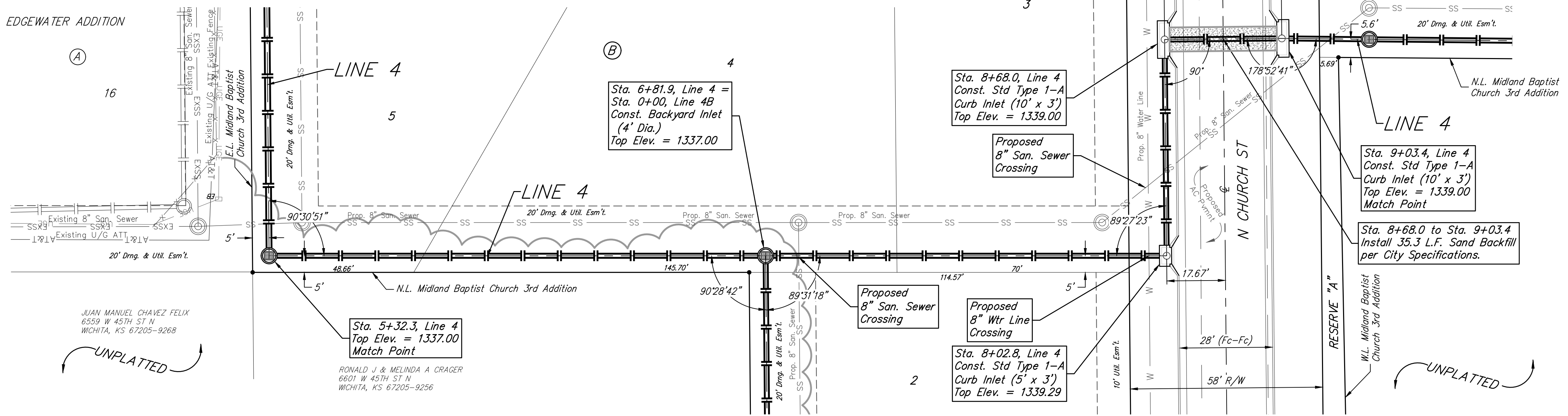
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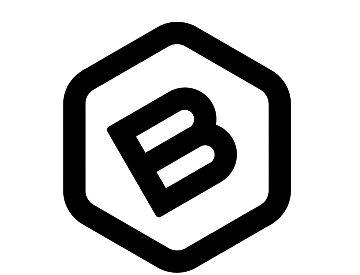
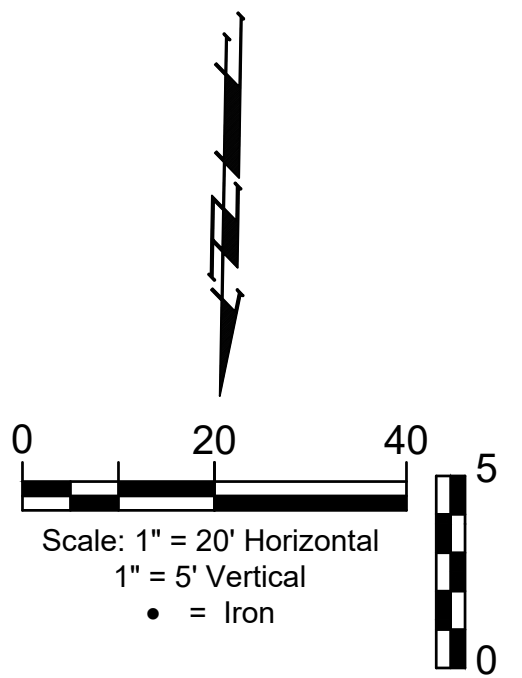
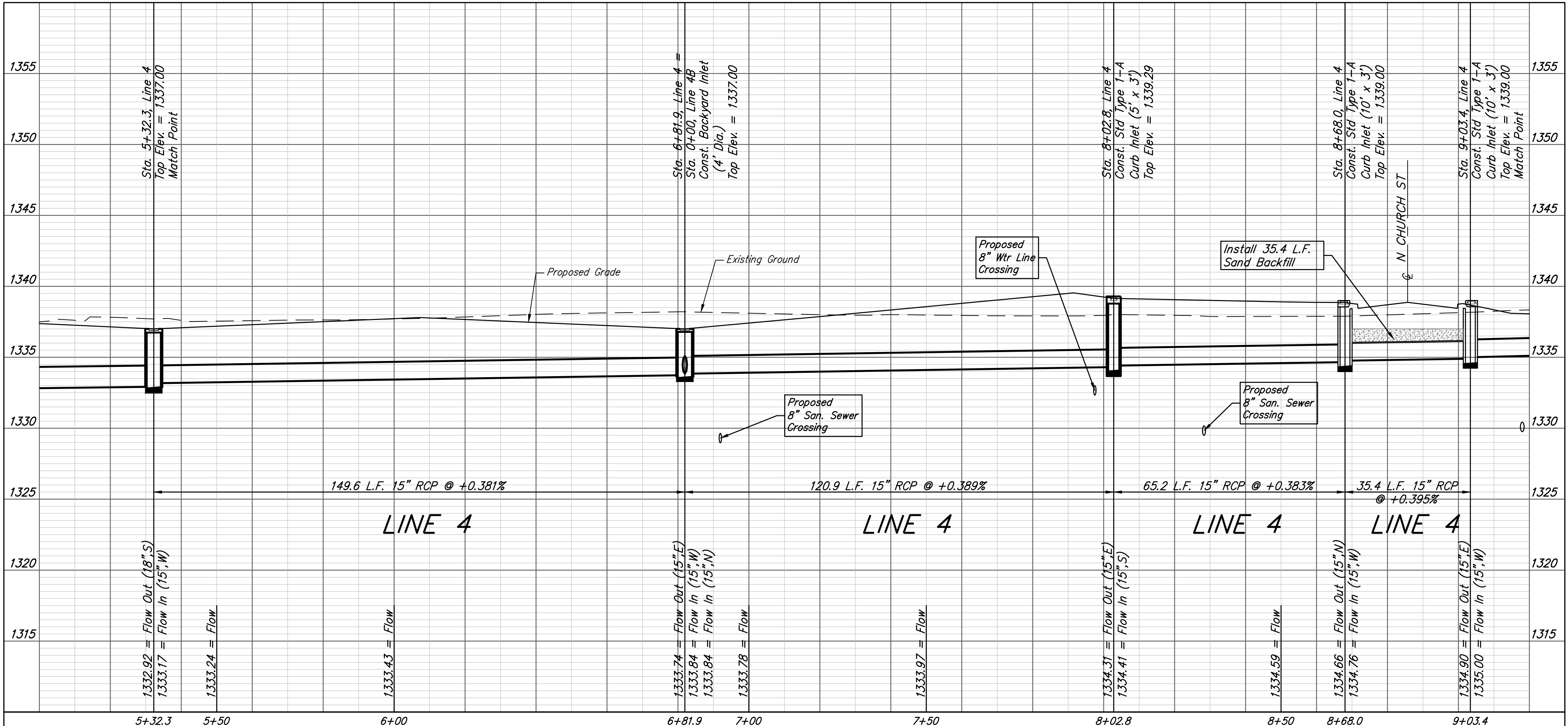
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EDGEWATER ADDITION



MIDLAND BAPTIST CHURCH 3RD ADDITION



**BAUGHMAN
COMPANY**
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 4

STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

DATE: April 29, 2026

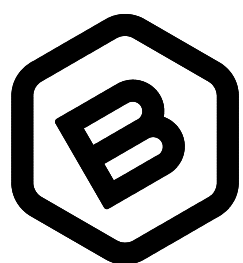
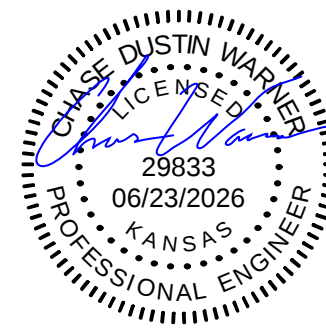
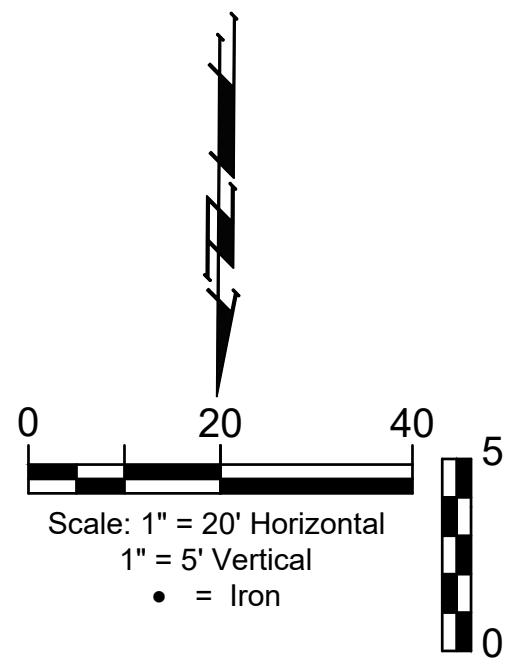
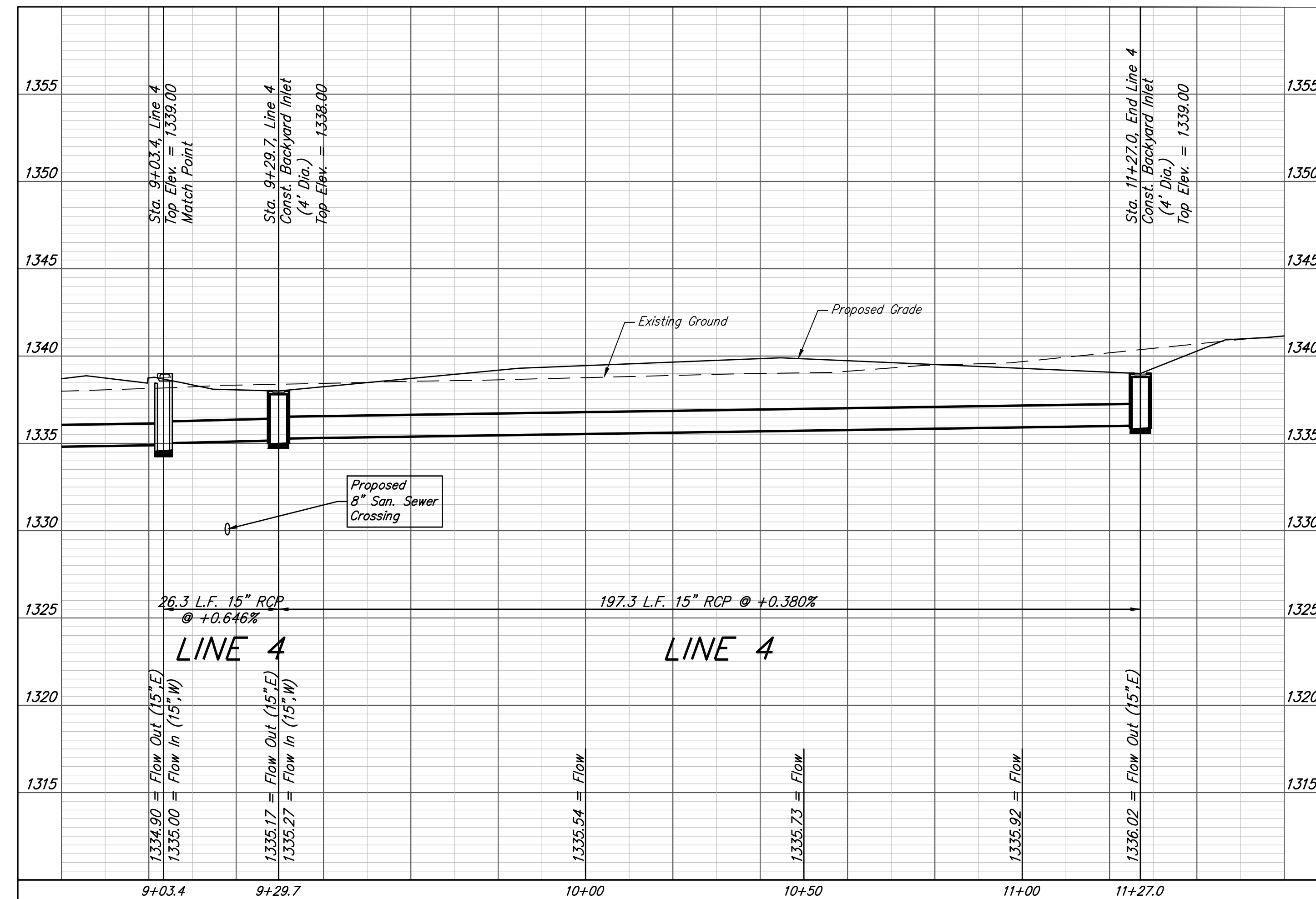
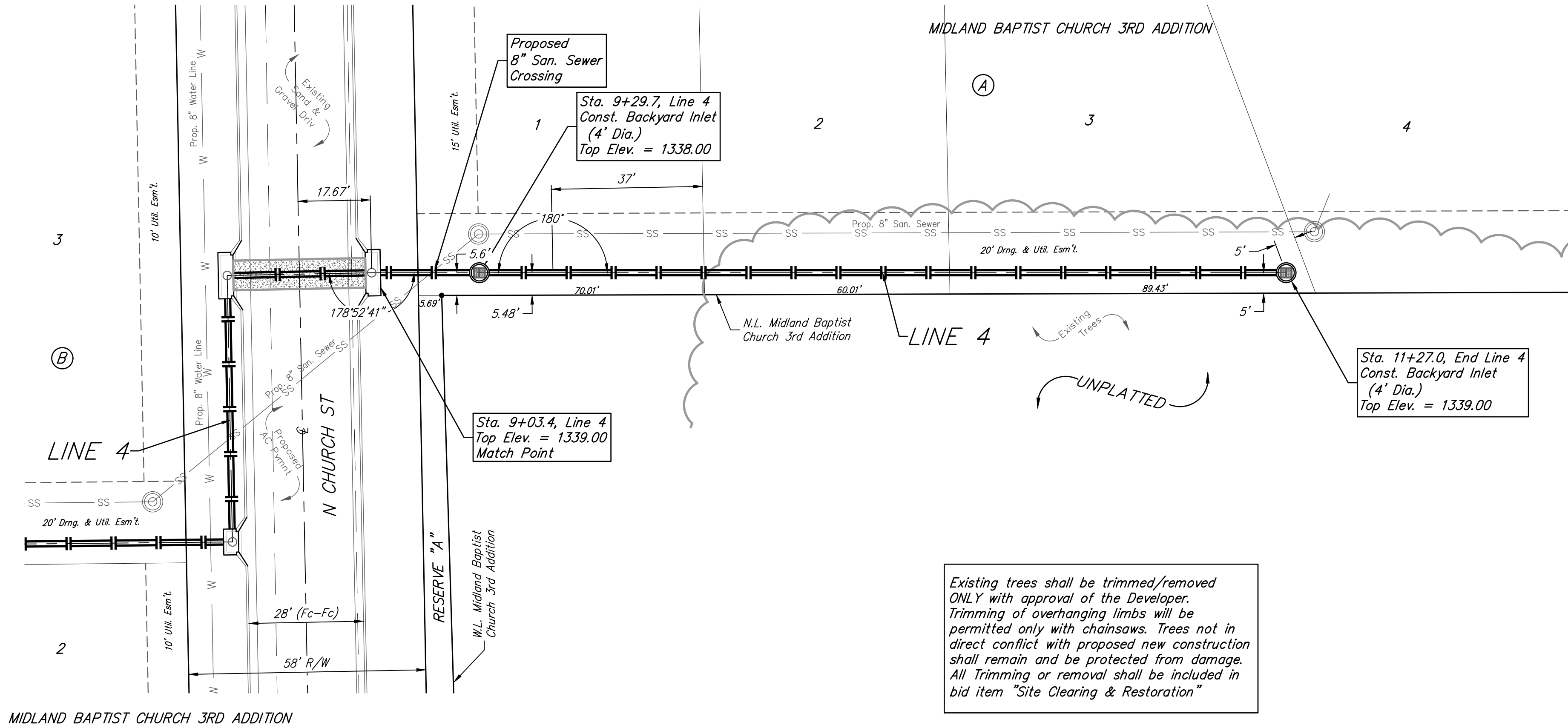
SHEET OF
12 33

File: E:\Projects\Midland Baptist Church 3rd Addition_25-LEngineering\SWD_PLANS.dwg

BM #1: Mag nail w/ "Baughman"
76.72' N & 33.93' W of the NW
Cor. Res. "A", Midland Baptist
Church 3rd Add,
Elev. = 1339.80 NAVD88

BM #2: Square with cross cut top
of Inlet. East line of "Res. J" North
Forty Fifth Addition
Elev. = 1338.03 NAVD88

BM #3: Cross cut top of curb. 10'
W of the East line of "Res. K",
North Forty Fifth Addition
Elev. = 1336.84 NAVD88

BAUGHMAN
COMPANY

315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 4

STORM WATER DRAIN IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

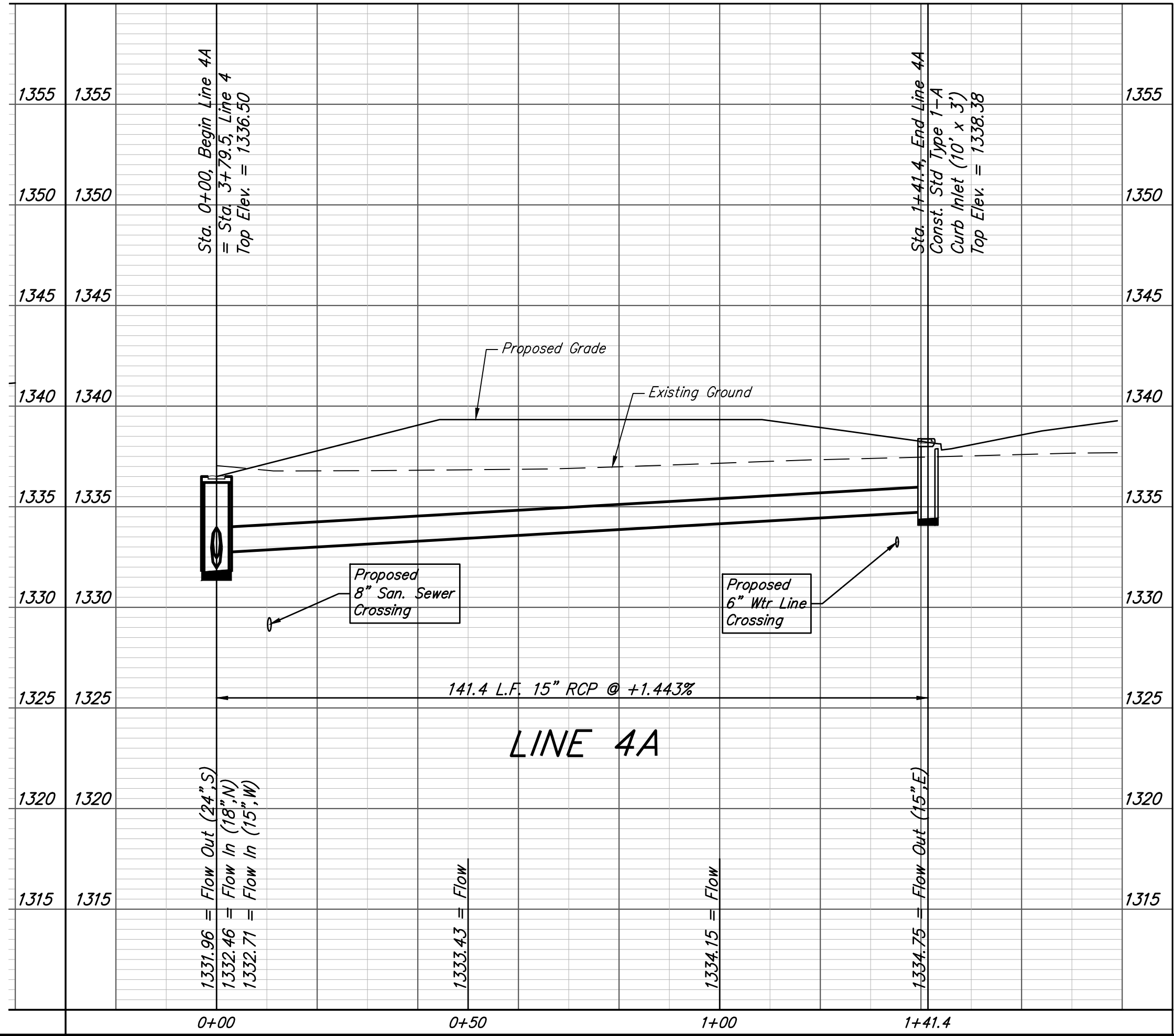
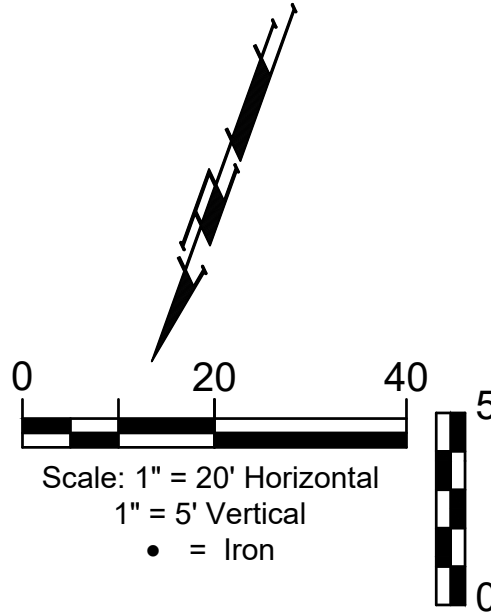
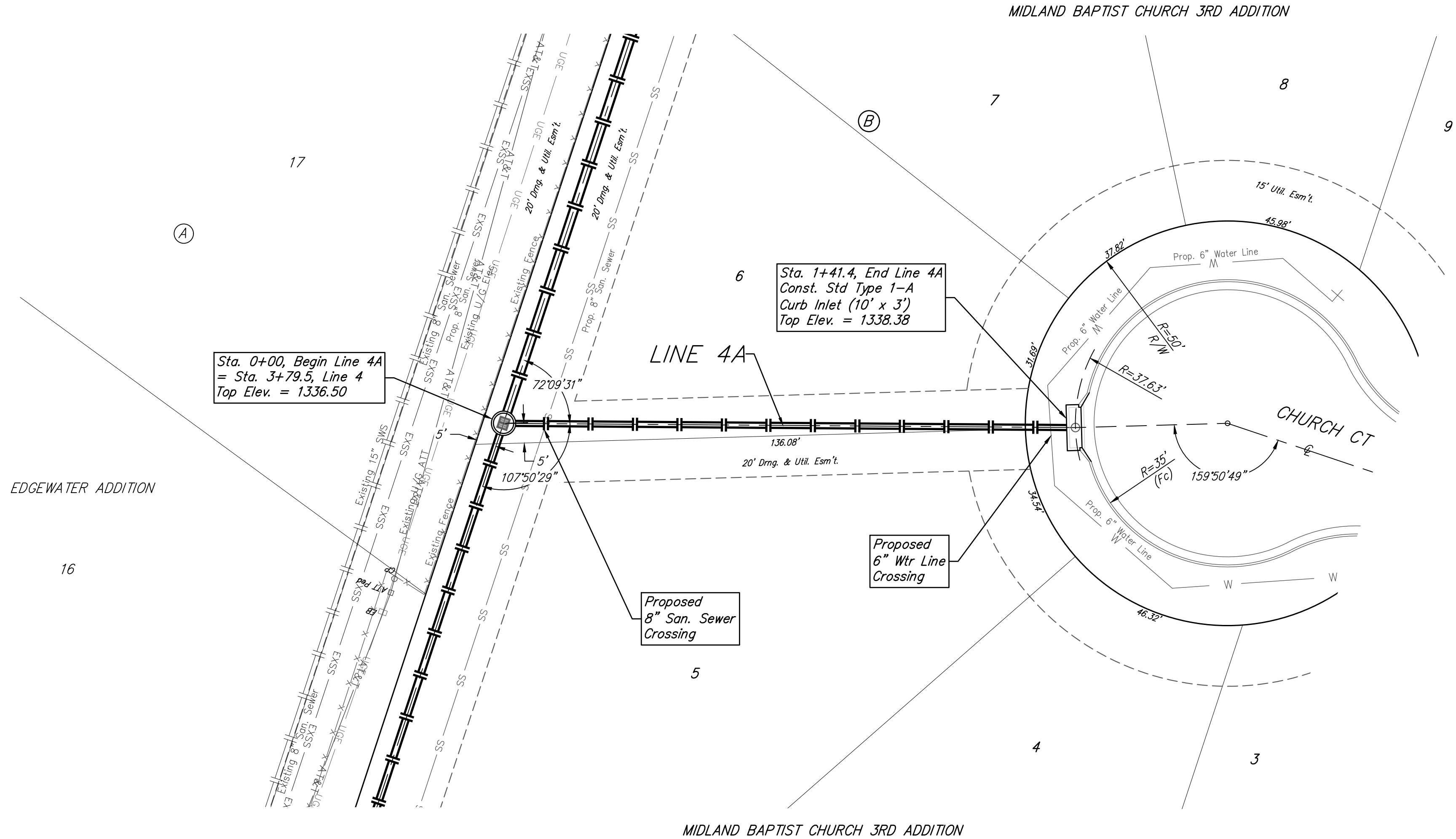
DATE: April 29, 2026

SHEET **13** OF **33**

BENCHMARKS
BM #1: Mag nail w/ "Baughman"
76.72' N & 33.93' W of the NW
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Church 3rd Add,
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W of the East line of "Res. K ",
North Forty Fifth Addition
Elev. = 1336.84 NAVD88



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COMPANY**

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Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 4A

STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

DATE: April 29, 2026

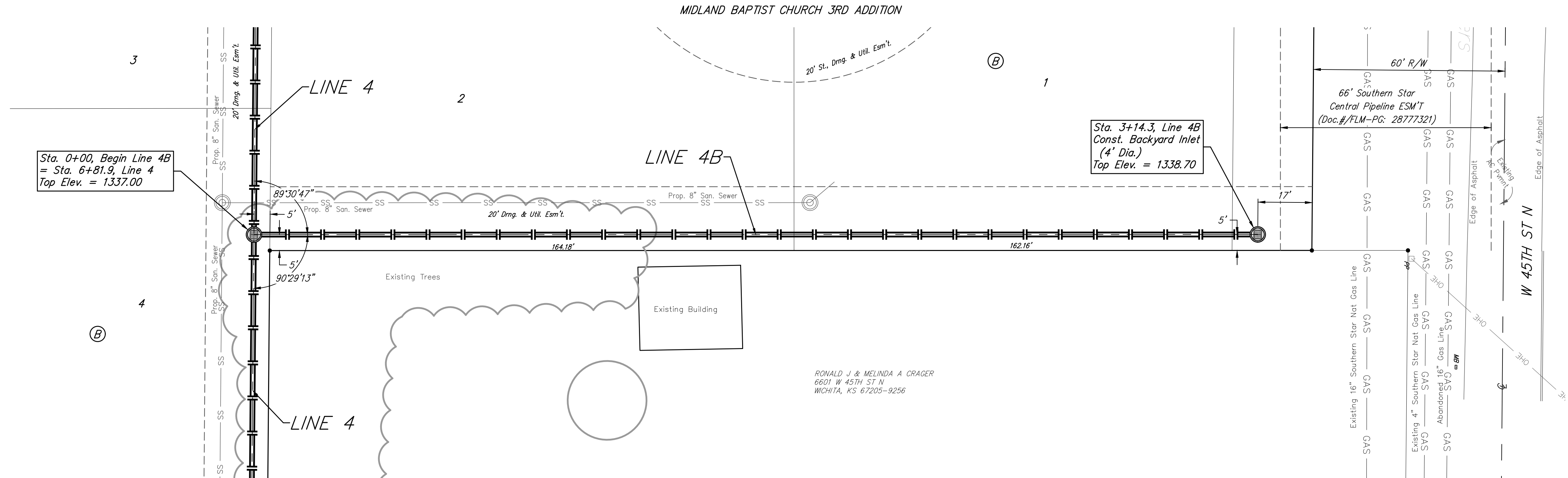
SHEET
14 OF
33

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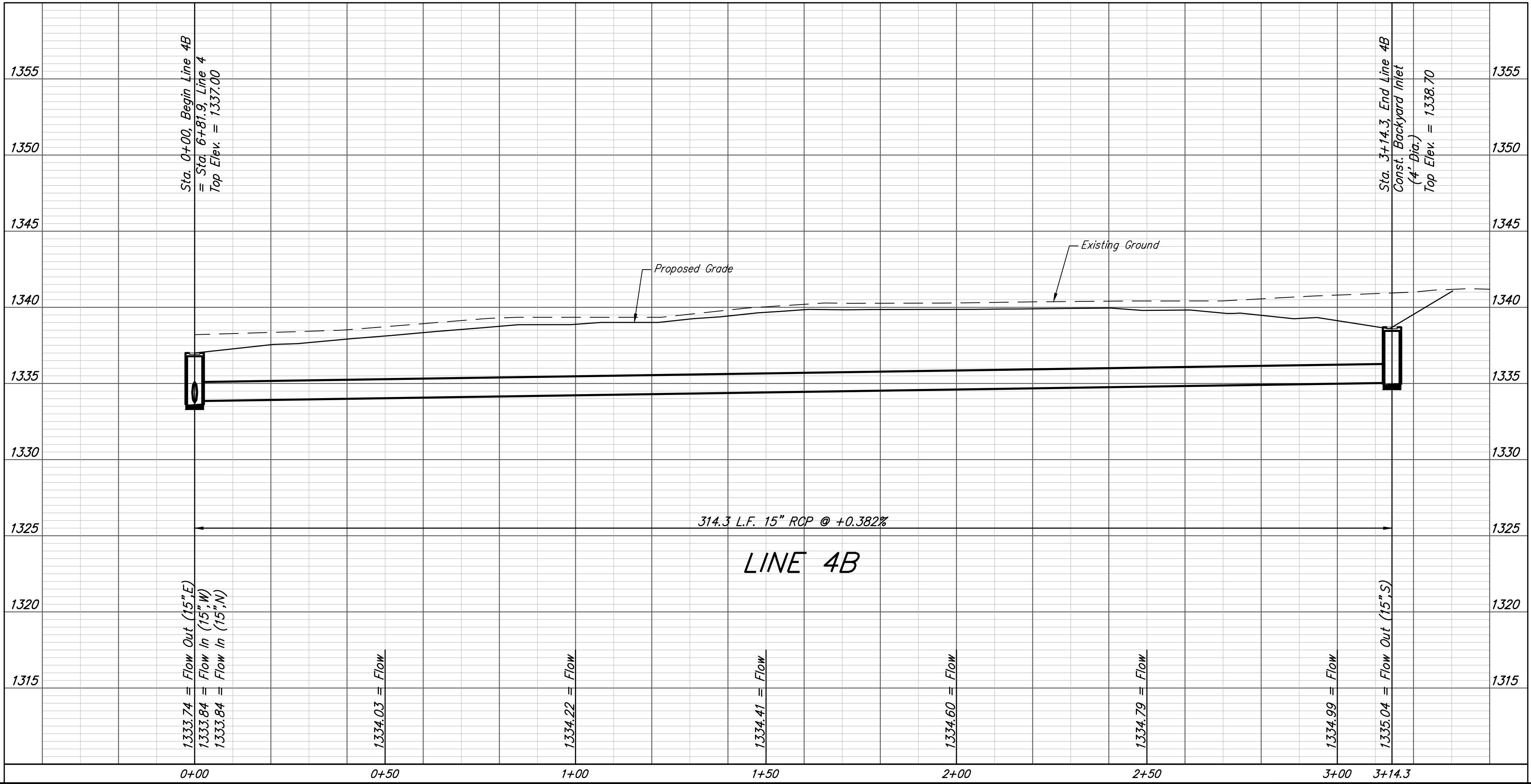
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Forty Fifth Addition
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W of the East line of "Res. K",
North Forty Fifth Addition
Elev. = 1338.84 NAVD88



Existing trees shall be trimmed/removed ONLY with approval of the Developer. Trimming of overhanging limbs will be permitted only with chainsaws. Trees not in direct conflict with proposed new construction shall remain and be protected from damage. All Trimming or removal shall be included in bid item "Site Clearing & Restoration"



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MIDLAND BAPTIST CHURCH
3RD ADDITION

LINE 4B

STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

DATE: April 29, 2026

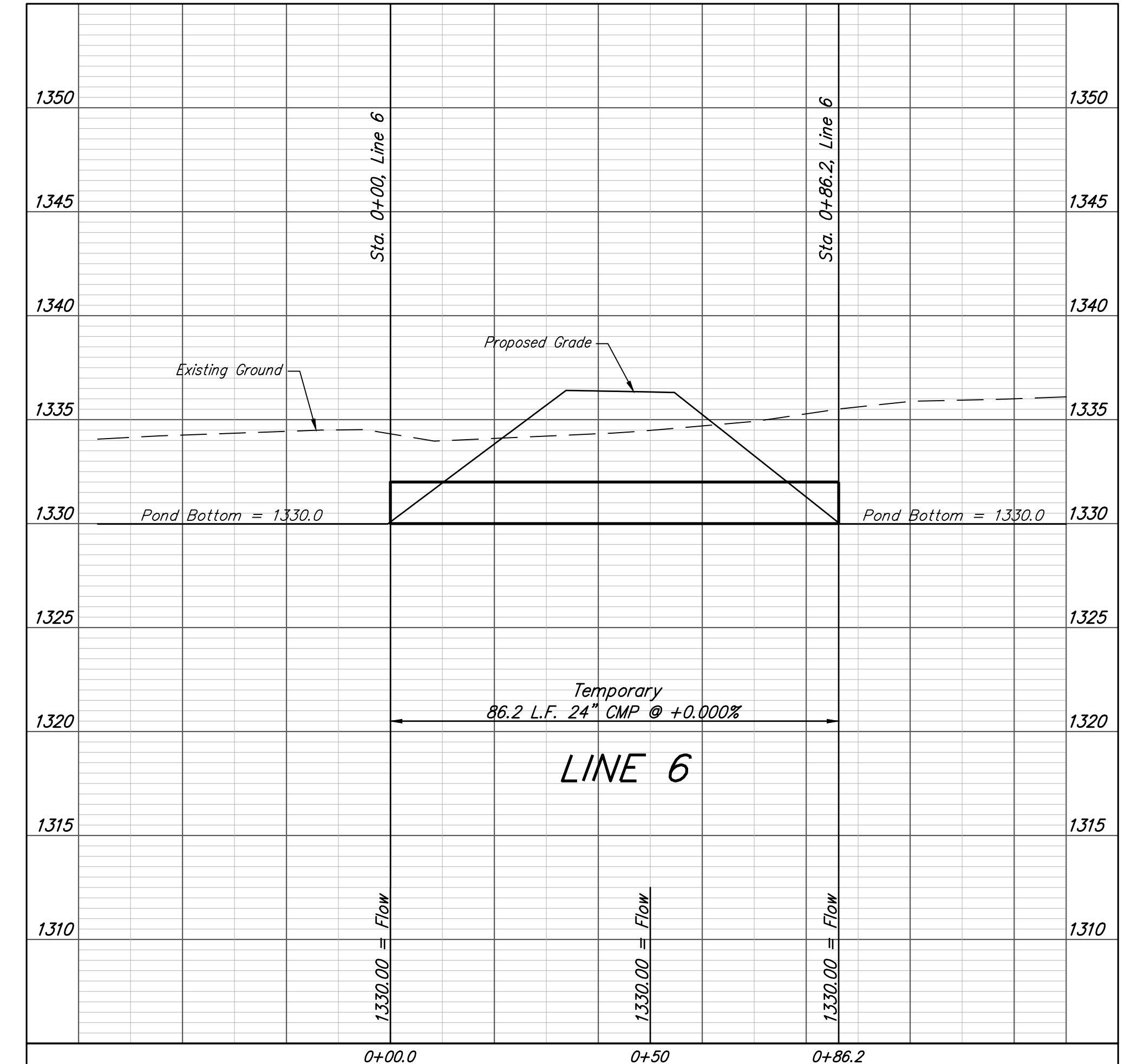
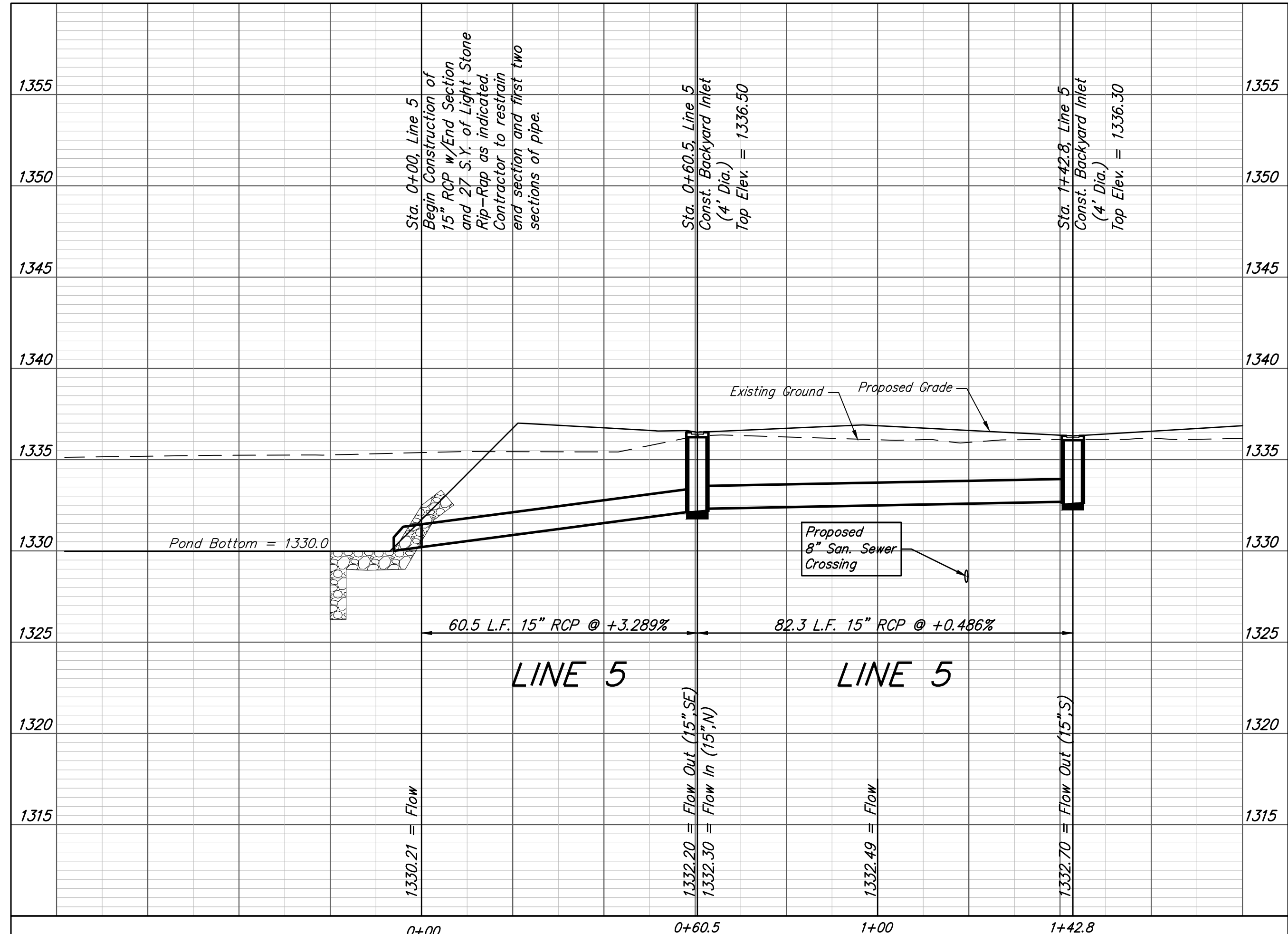
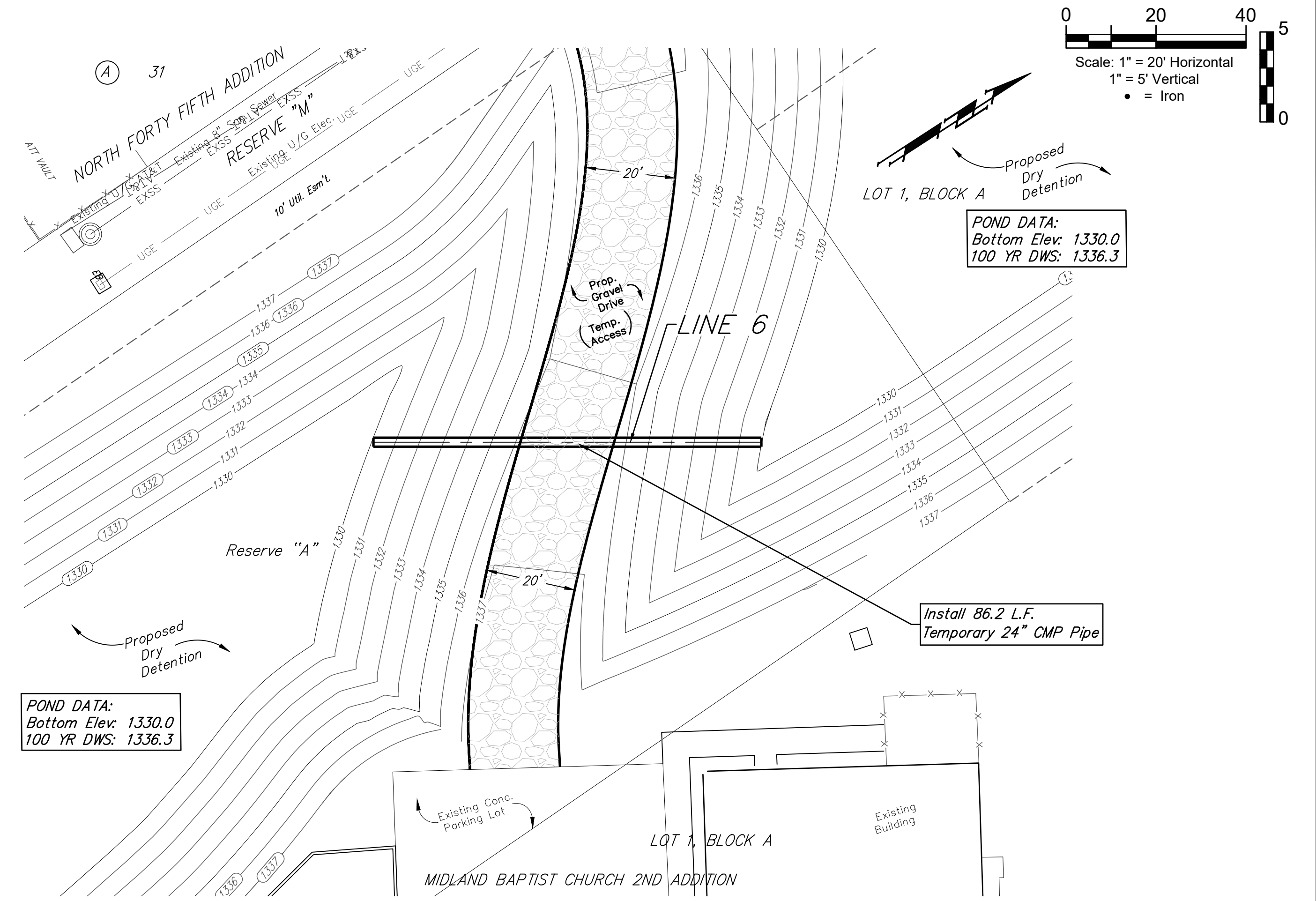
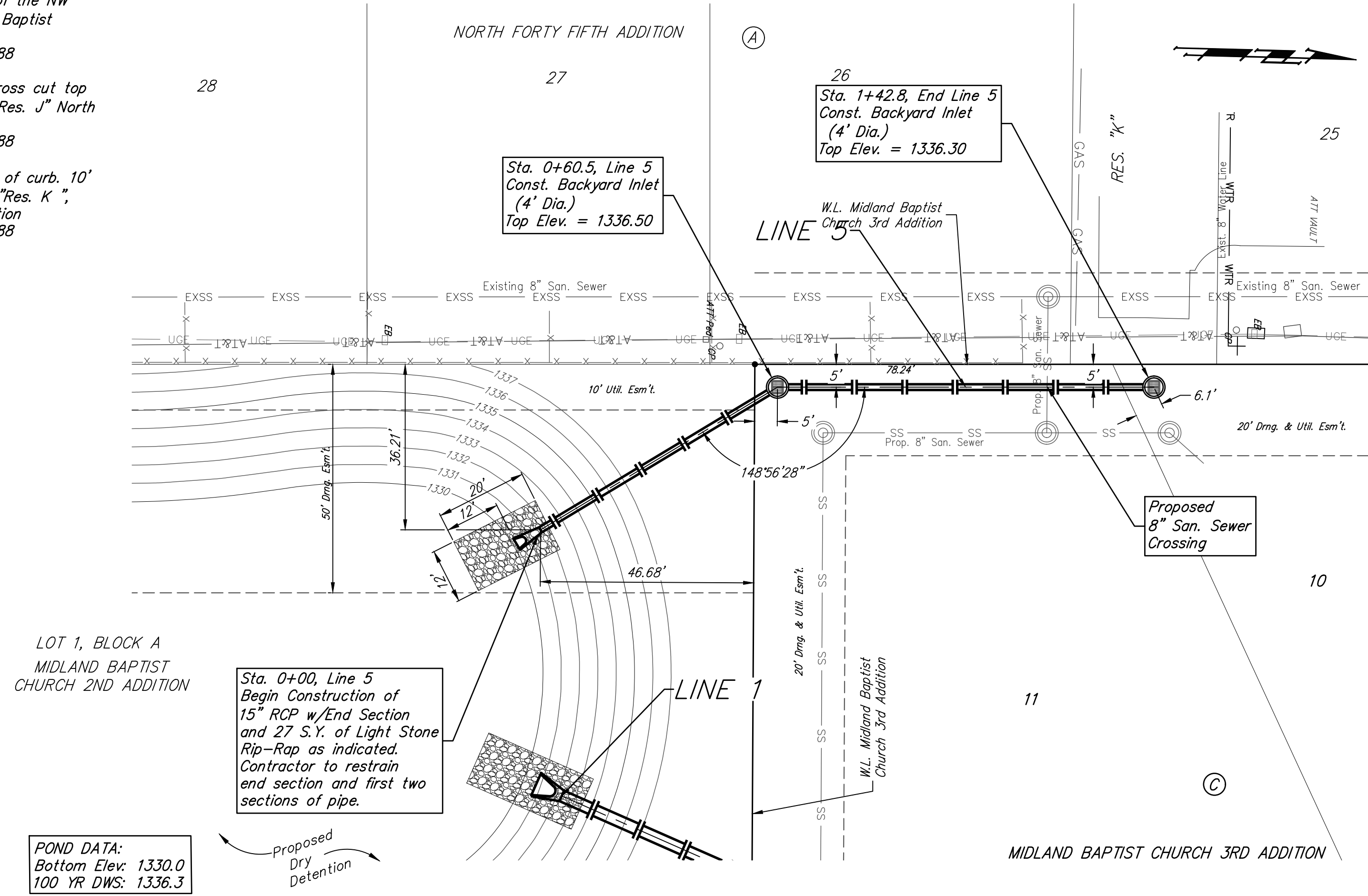
SHEET 15 OF 33

File: E:\Projects\Midland Baptist Church 3rd Addition_25-LEngineering\SWD_PLANS.dwg

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North Forty Fifth Addition
Elev. = 1336.84 NAVD88



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Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

**LINE 5 &
LINE 6**

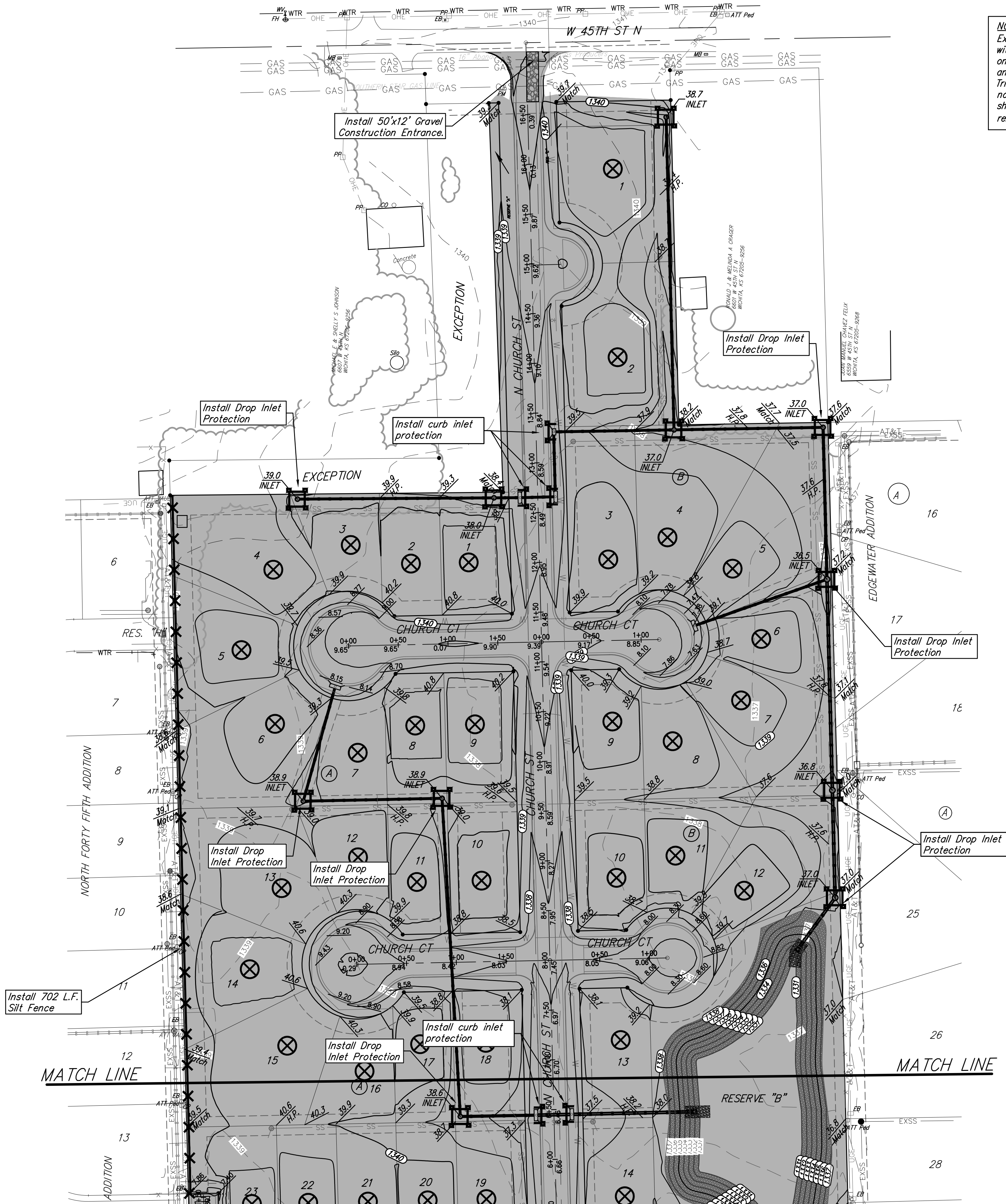
STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK
DATE: April 29, 2026

SHEET 16 OF 33

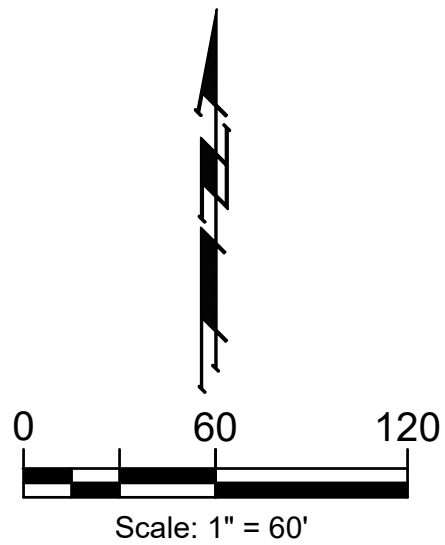
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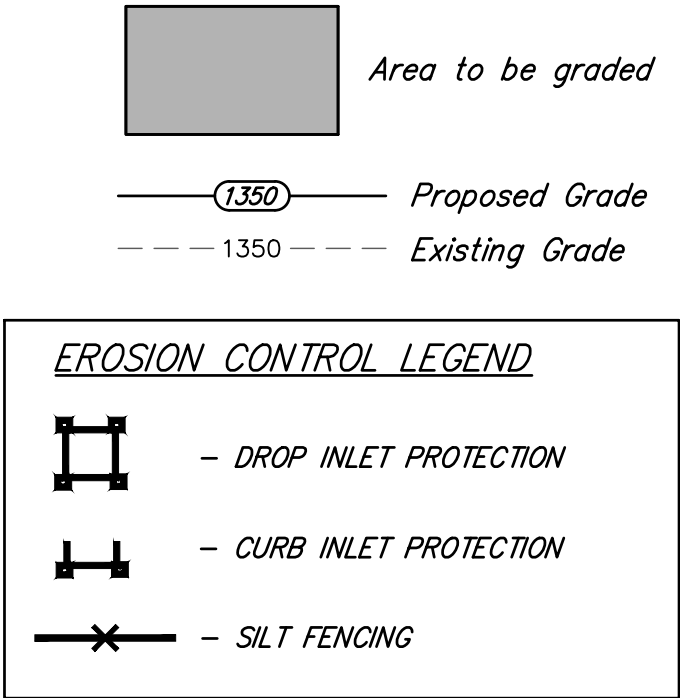
NOTE:
Existing trees shall be trimmed/removed ONLY with approval of Developer. Prior to construction, an on-site meeting will occur with Contractor, Developer, and Engineer to determine limits of tree clearing. Trimming will only be permitted with chainsaws. Trees not in direct conflict with proposed new construction shall remain and be protected from damage. All removal/trimming shall be included in "Site Clearing"

EROSION CONTROL MEASURE	INSTALL	MAINTAIN
CONSTRUCTION ENTRANCE (EA)	1	0
SILT FENCE (LF)	1,724	0
CURB INLET BARRIER (EA)	11	0
DROP INLET PROTECTION (EA)	18	0
EROSION CONTROL MAT (SY)	7,272	0

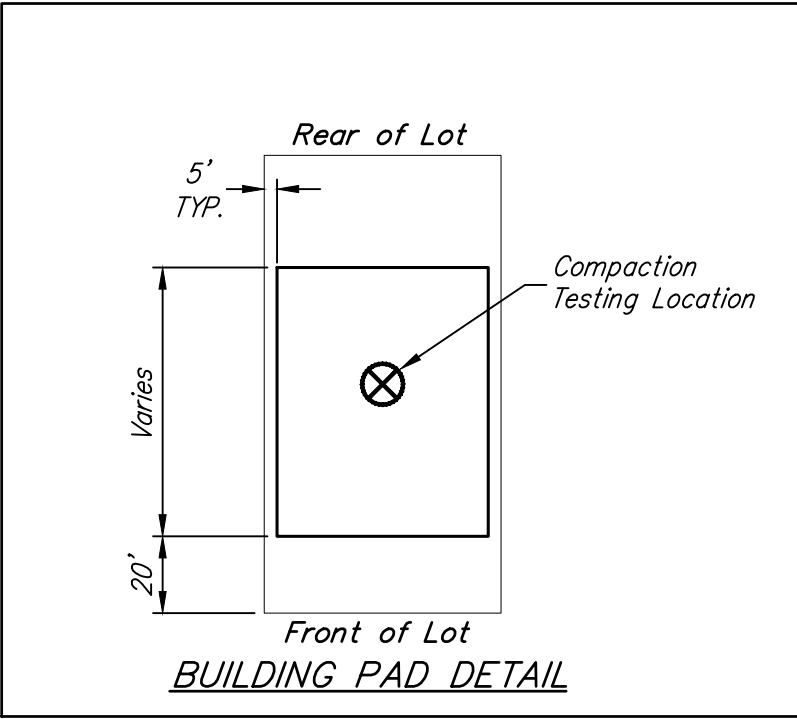
* ALL EXISTING BMPs INCLUDING CONSTRUCTION ENTRANCE, SEDIMENT BARRIERS, SILT FENCE, CUT-OFF TRENCH, AND EROSION CONTROL MAT SHALL BE MAINTAINED AND REPAIRED IF NECESSARY.



EARTH WORK TOTALS (Unadjusted for shrink & swell) (for information only)		
	Excavation	Fill
Res. "B" Basin	7,826	15
South Basin	10,546	136
Mass Grading	4,322	34,231
Trench Spoils	3,563	--
Import (By Others)	13,500	--
Total Earthwork	39,757	36,067



- Import (By Others):
- Developer to provide necessary import privately.
 - Coordinate with developer if import will be piled or spread across the development.
 - Internal haul roads as needed for dumping import.
 - Contractor shall spread, moisture condition, compact, & test according to the mass grading general notes.
 - All costs to be included lump sum bid item, "Mass Grading".



- Mass Grading General Notes:
- Earthwork fill quantities are unadjusted and are for reference only. Excavation for mass grading and pond construction work to be paid for as C.Y. Excavation. All cost associated with fill & compaction shall be incidental to lump sum bid item "Mass Grading".
 - Contractor to strip top 4-6" of soil within street right-of-way, proposed dry detention areas, and on lots where fill or less than 6" of excavation is specified before mass grading and stockpile. Topsoil shall be re-distributed within reserves, drainage basins, and drainage easements. Remaining topsoil may be spread outside of the buildable area on lots and in street right-of-way outside of proposed pavement. Topsoil stripping and re-distribution shall be incidental to bid item, "Excavation".
 - Compaction of 95% Standard Proctor Density shall be obtained in all areas. Fill from onsite excavation, import (by others), and any heavy clay encountered within drainage basins shall be thoroughly mixed prior to being placed to create a homogenous and consistent fill material. All fill shall be placed in 8" maximum thickness lifts within 0% to ±4% of optimum moisture content of the soil at the time of placement. All testing shall be incidental to Lump Sum bid item "Testing".
 - It shall be the Contractor's responsibility to protect existing utilities during mass grading. Any damage done to these systems by Contractor or subcontractor shall be repaired at no additional cost to the project.
 - All areas disturbed during construction (except building pads area) shall be seeded, mulched, and fertilized as per Cover Sheet General Notes.
 - Street elevations are top of rock at centerline.
 - Grade points around cul-de-sacs are located at 1' behind back of proposed curb.

BAUGHMAN
COMPANY

315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

MASS
GRADING/
EROSION
CONTROL

STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

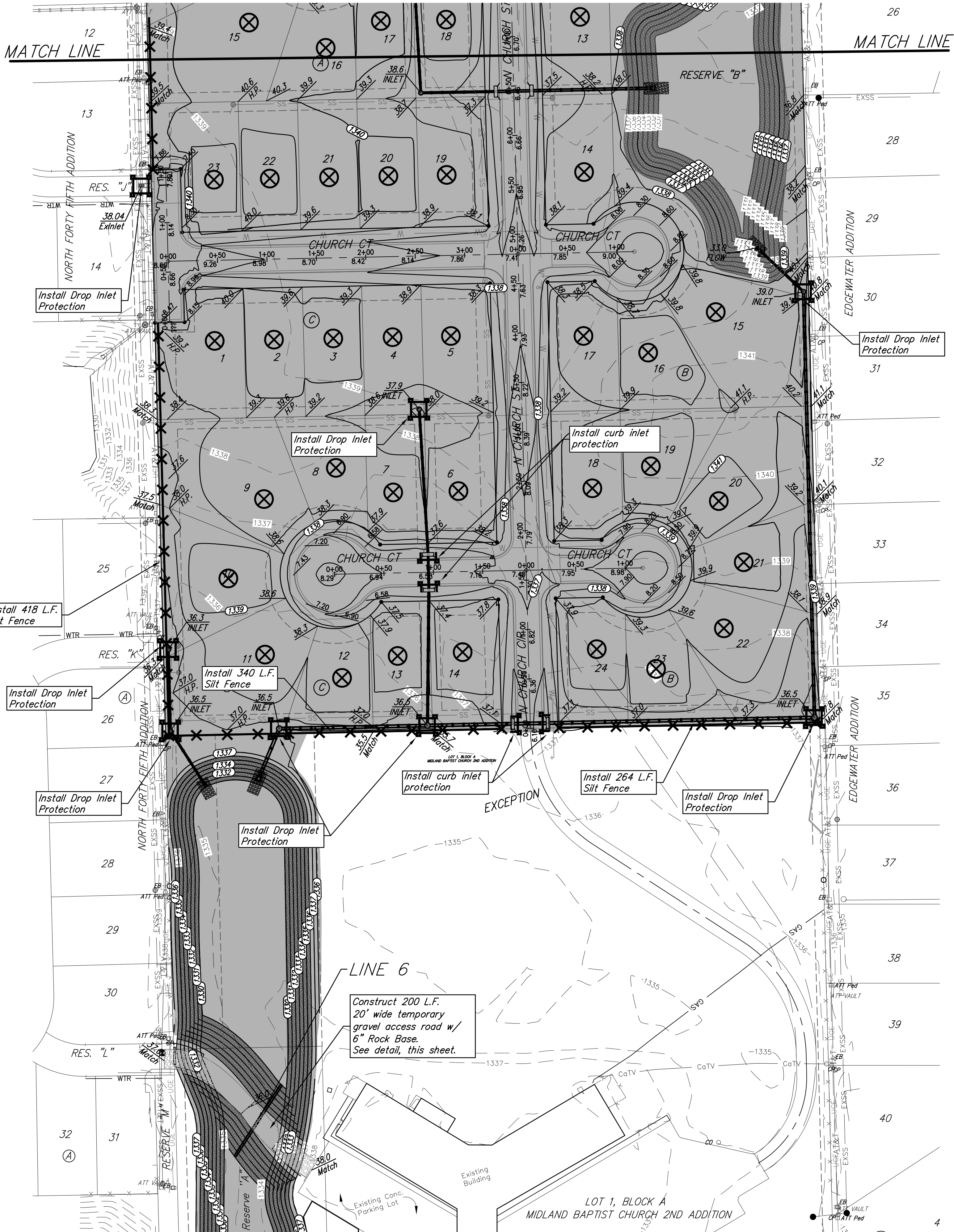
DATE: April 29, 2026

SHEET 17 OF 33

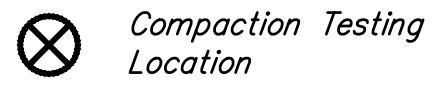
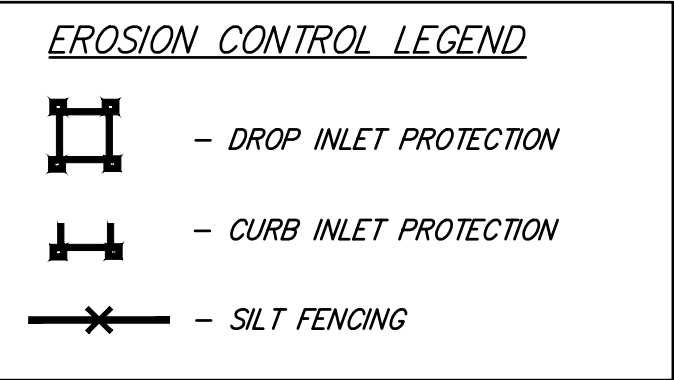
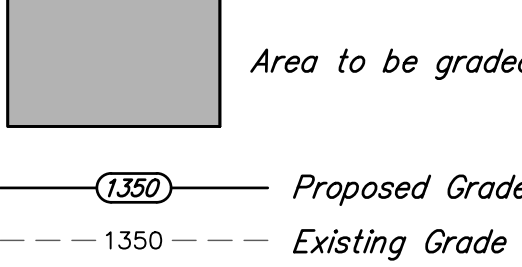
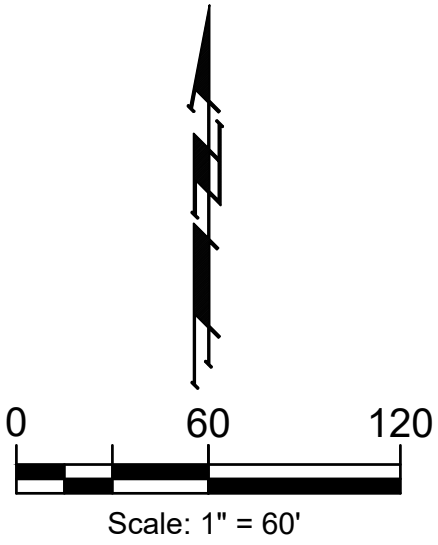
BENCHMARKS
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BM #3: Cross cut top of curb. 10'
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Elev. = 1338.84 NAVD88



NOTE:
Existing trees shall be trimmed/removed ONLY
with approval of Developer. Prior to construction, an
on-site meeting will occur with Contractor, Developer,
and Engineer to determine limits of tree clearing.
Trimming will only be permitted with chainsaws. Trees
not in direct conflict with proposed new construction
shall remain and be protected from damage. All
removal/trimming shall be included in "Site Clearing"



Temporary Access Road Installation:

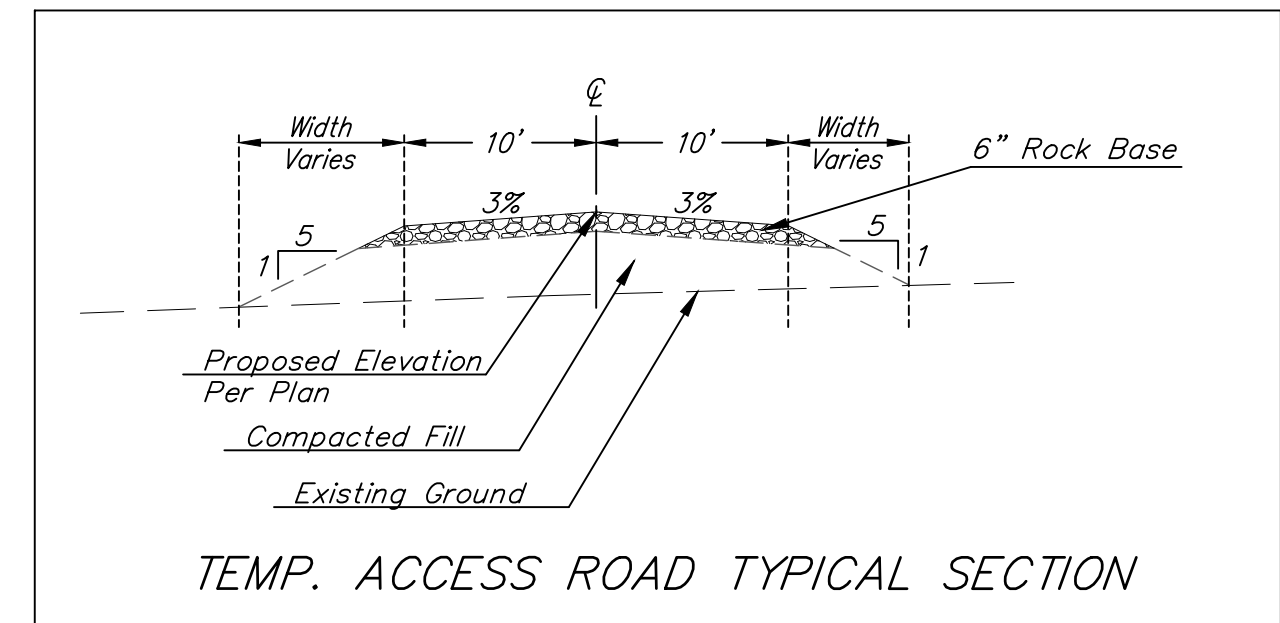
- Contractor shall install temporary access road as noted on this sheet. The access road shall be installed prior to the start of any construction that may disturb existing access to the Church. After the temporary access road is constructed, the existing gravel roadway to the Church may be removed.
- The contractor shall be required to maintain the gravel roadway from the time of its construction through the completion of the sanitary sewer, water line, and stormwater drain project. Potholes, depressions, ruts, etc. must be addressed within a reasonable timeframe once reported by the on-site engineer or City of Wichita. All costs for maintenance of the gravel roadway shall be incidental to the "6" Temporary Gravel Access Road, S.Y." bid item.

Temporary Access Road Removal:

- Contractor shall re-mobilize once the Paving Project (by others) is completed and return to the site. To be bid as lump sum bid item "Re-Mobilization".
- The Contractor will be required to remove the 200 L.F. 20' wide temporary gravel drive, 24" CMP, fill placed within the proposed pond area, reshape pond banks to proposed contours, and seed all areas disturbed during removal, according to the cover sheet. All costs for the described work shall be bid as "6" Temporary Gravel Access Road Removal, S.Y." bid item.
- The buildable area on lots 11-14, blk C. shall be left low until removal of the temporary access road is complete. Usable material from the removal of the temporary access road shall be placed in these lots to proposed elevations. Fill shall be placed and compacted in accordance to the mass grading general notes. Testing for these lots shall be completed at that time. Costs to be included in bid items "Mass Grading" & "Testing".

Mass Grading General Notes:

- Earthwork fill quantities are unadjusted and are for reference only. Excavation for mass grading and pond construction work to be paid for as C.Y. Excavation. All cost associated with fill & compaction shall be incidental to lump sum bid item "Mass Grading".
- Contractor to strip top 4-6" of soil within street right-of-way, proposed dry detention areas, and on lots where fill or less than 6" of excavation is specified before mass grading and stockpile. Topsoil shall be re-distributed above the dry detention pond slopes within reserves and drainage easements. Remaining topsoil may be spread outside of the buildable area on lots and in street right-of-way outside of proposed pavement. Topsoil stripping and re-distribution shall be incidental to bid item, "Excavation".
- Compaction of 95% Standard Proctor Density shall be obtained in all areas. Fill shall be placed in 8" maximum thickness lifts within 0% to +4% of optimum moisture content of the soil at the time of placement. All testing shall be incidental to Lump Sum bid item "Testing".
- It shall be the Contractor's responsibility to protect existing utilities during mass grading. Any damage done to these systems by Contractor or subcontractor shall be repaired at no additional cost to the project.
- All areas disturbed during construction (except building pads area) shall be seeded, mulched, and fertilized as per Cover Sheet General Notes.
- Street elevations are top of rock at centerline.
- Grade points around cul-de-sacs are located at 1' behind back of proposed curb.



Professional Engineer Seal for Dustin Warlick, License No. 29833, State of Kansas, dated 06/23/2026.

BAUGHMAN COMPANY
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

MASS GRADING/ EROSION CONTROL
STORM WATER DRAIN IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

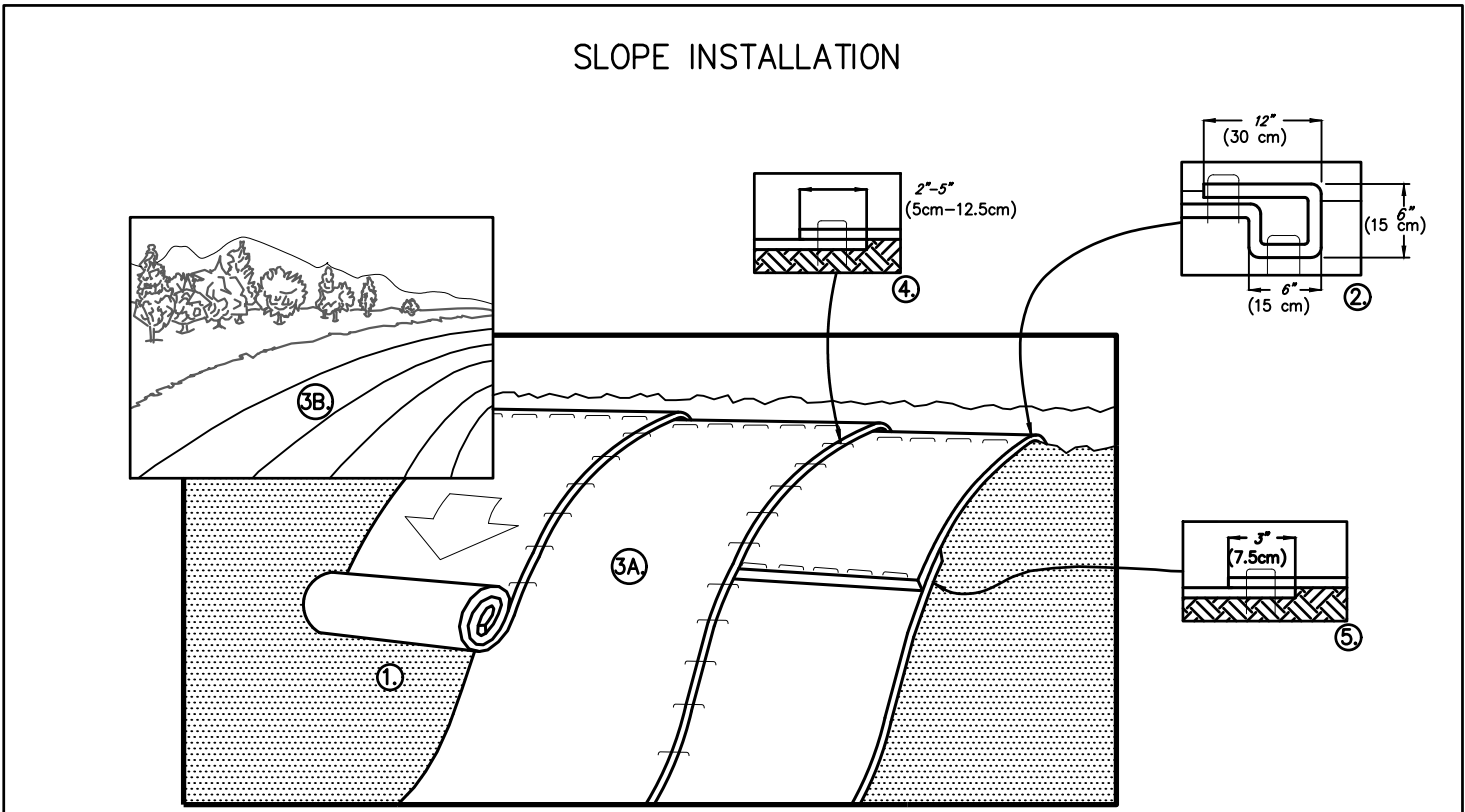
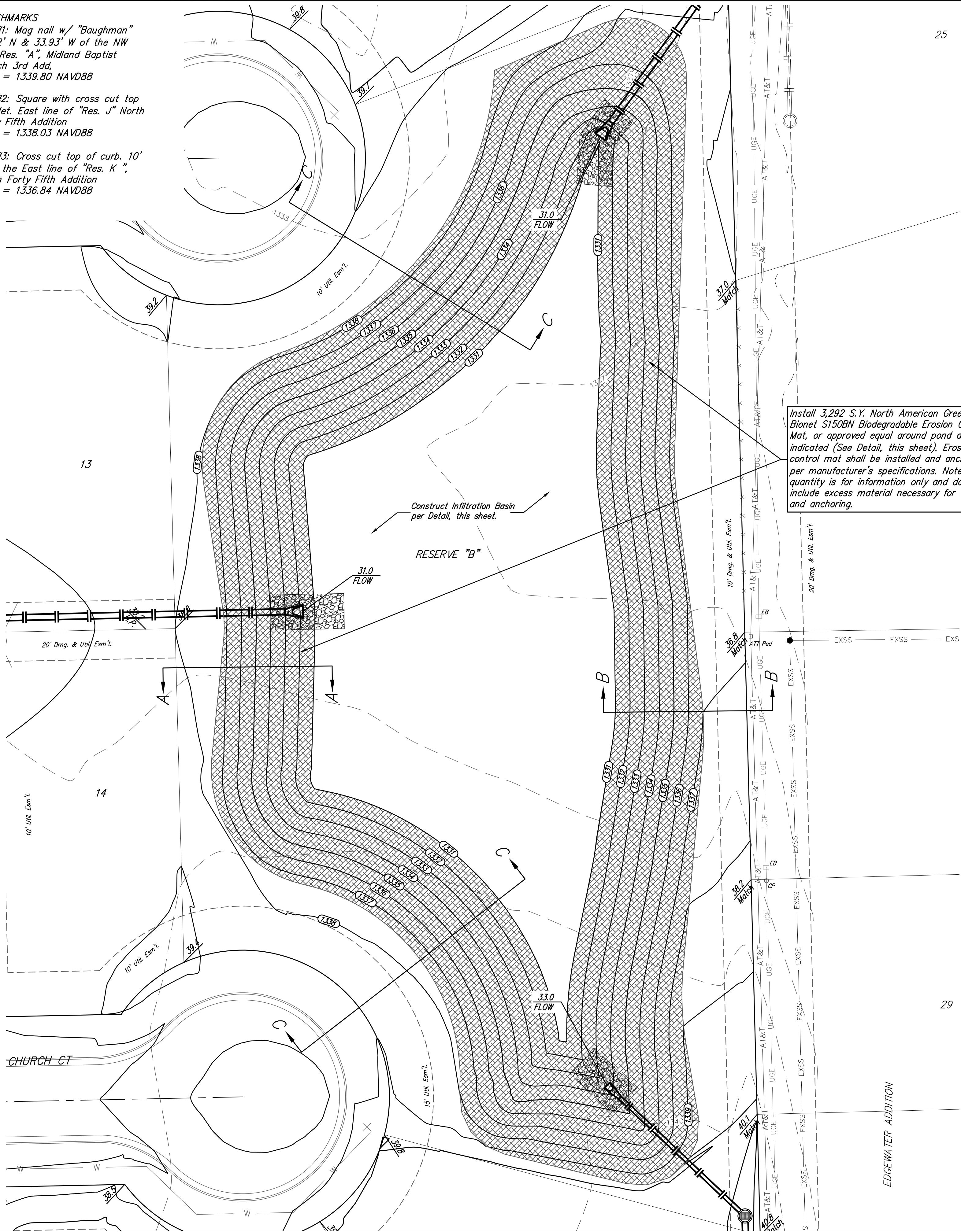
DATE: April 29, 2026

SHEET 18 OF 33

BENCHMARKS
BM #1: Mag nail w/ "Baughman"
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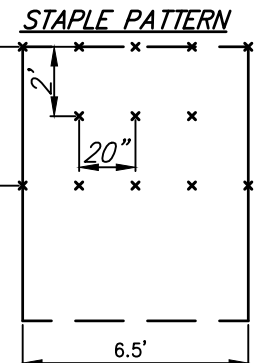
BM #3: Cross cut top of curb. 10'
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North Forty Fifth Addition
Elev. = 1336.84 NAVD88



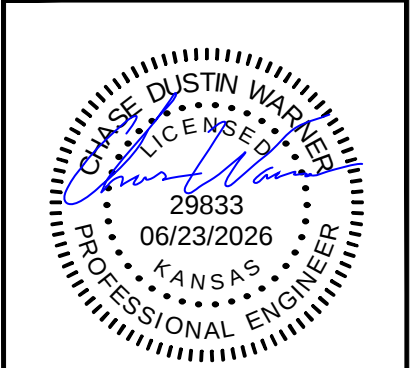
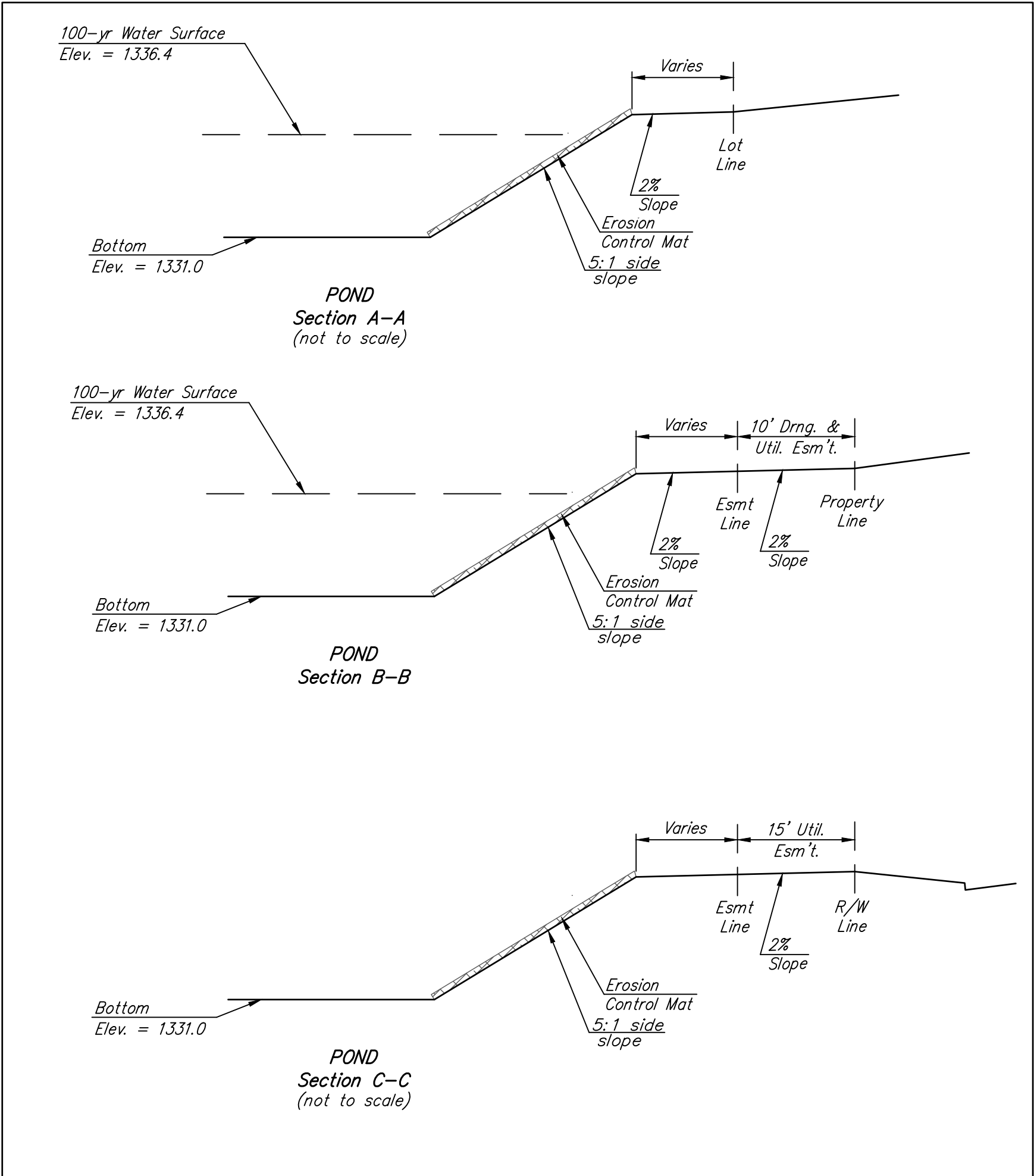
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
SEEDING DIRECTLY BENEATH THE EROSION CONTROL MAT SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL MAT.

14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725
USA 1-800-772-2040 CANADA 1-800-448-2040
www.nagreen.com

STAPLE PATTERN "D"
3-1/2 staples per sq. yd.
using 6-inch, #1 ga. wire.
1 1/2" staples. 8-inch staples
and longer may be used for
loose soils. 9 ga. staples
or heavier may be necessary
in hard or rocky soils.



Erosion control mat.



**BAUGHMAN
COMPANY**
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

POND #1

STORM WATER DRAIN
IMPROVEMENTS

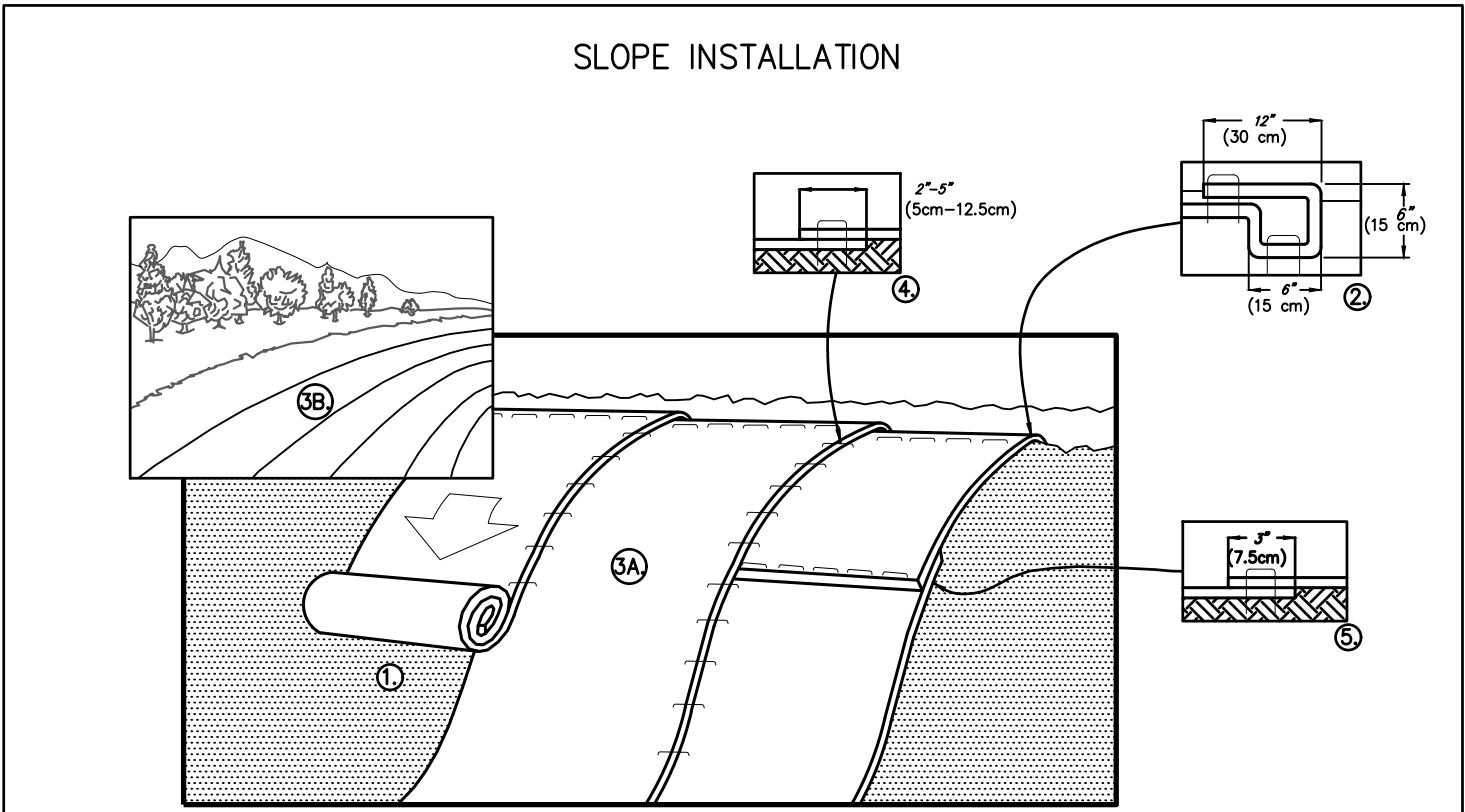
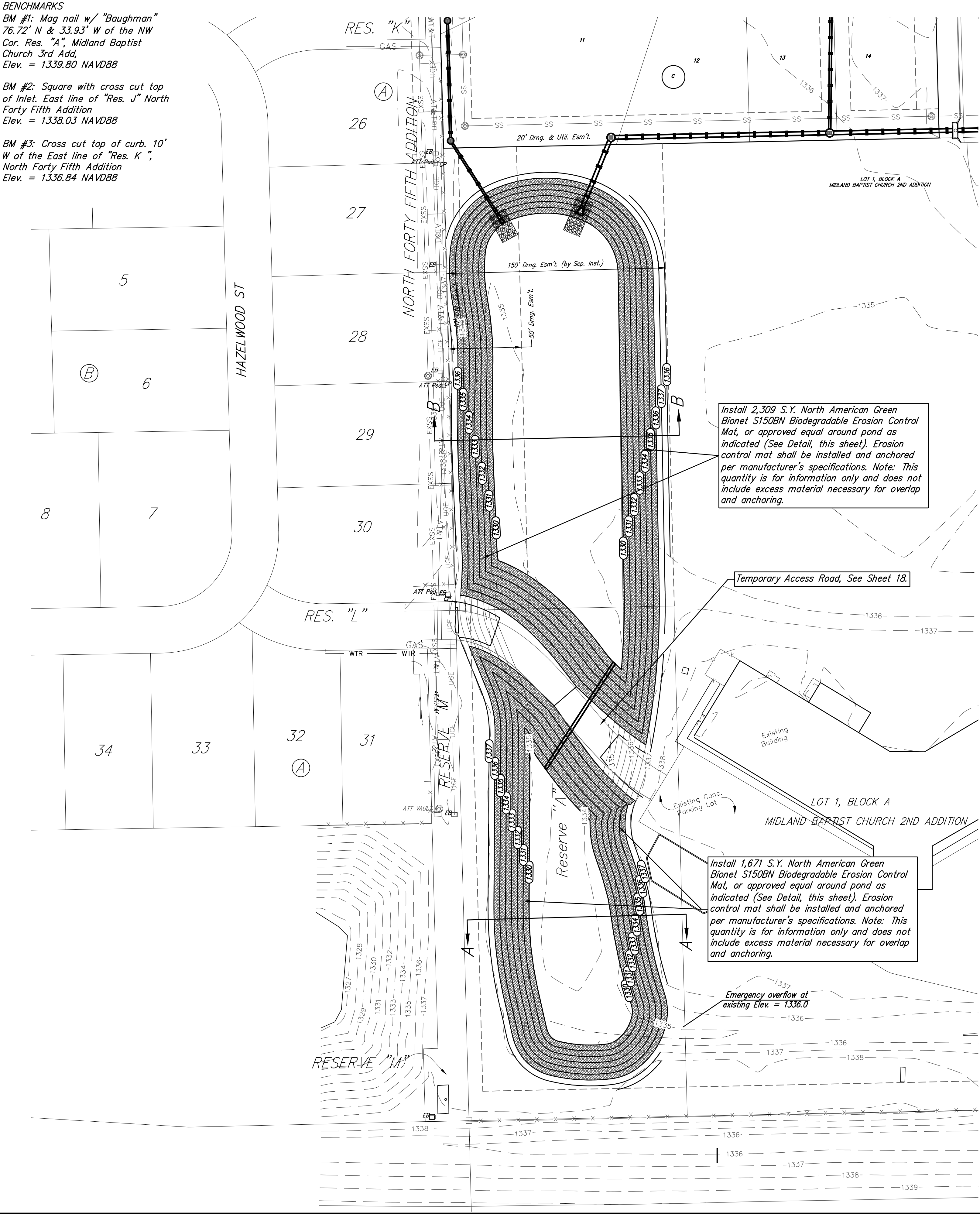
PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

DATE: April 29, 2026

SHEET 19 OF 33

File: E:\Projects\Midland Baptist Church 3rd Addition_25-Engineering\SWD_PLANS.dwg



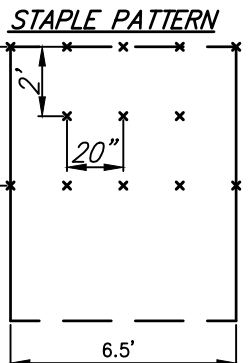
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 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
- SEEDING DIRECTLY BENEATH THE EROSION CONTROL MAT SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL MAT.

14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725
USA 1-800-772-2040 CANADA 1-800-448-2040
www.nagreen.com

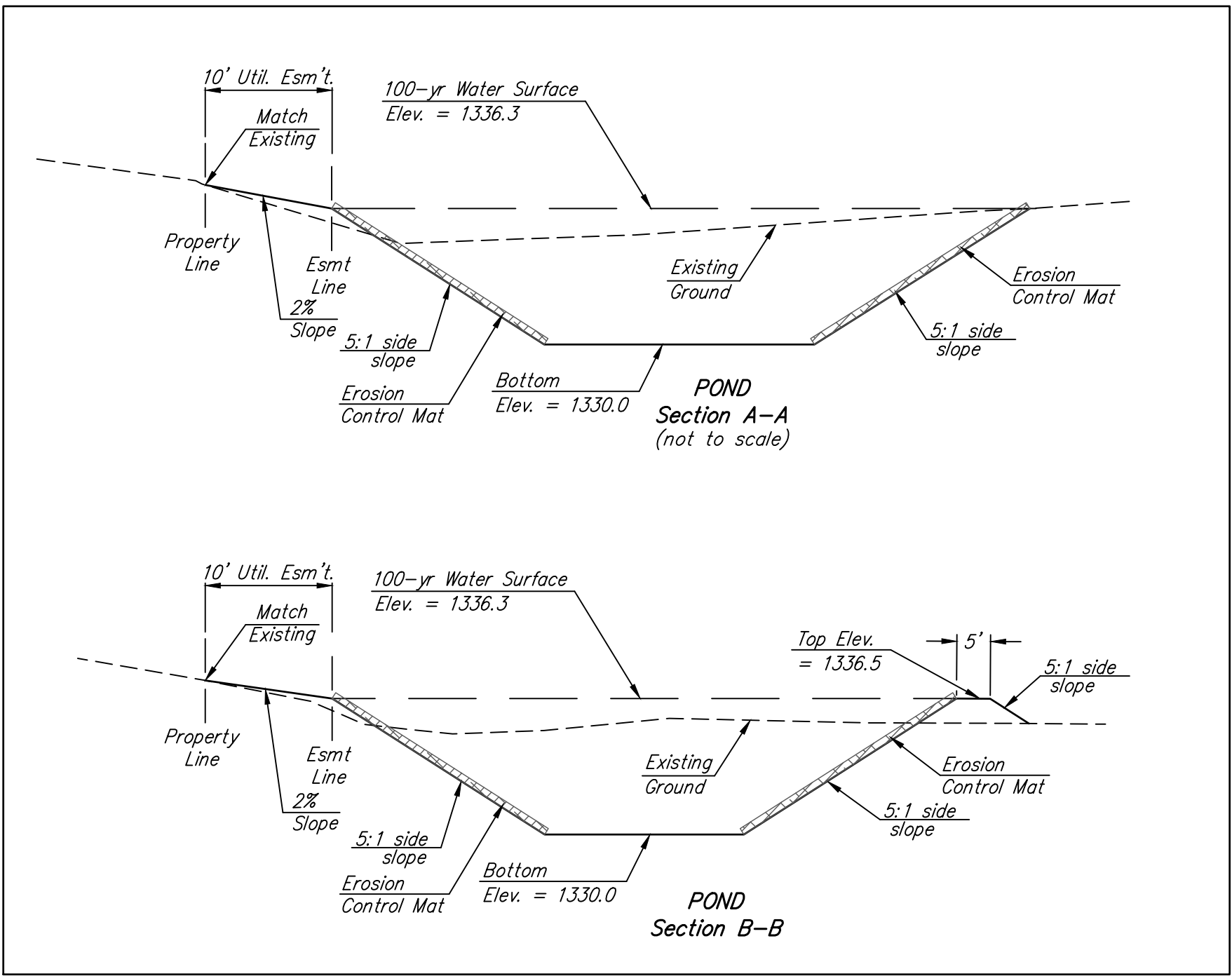
STAPLE PATTERN "D"

3-1/2 staples per sq. yd.
using 6-inch, #1 ga. wire.
1" staples: 8-inch staples
and longer may be used for
loose soils. 9 ga. staples
or heavier may be necessary
in hard or rocky soils.

Contractor shall follow manufac-
turers installation instructions
regarding overlap dimensions.
The overlap shall have a minimum
dimension of three inches (3").



Erosion control mat.



BAUGHMAN COMPANY

315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

POND #2

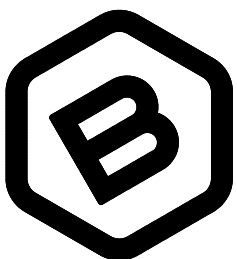
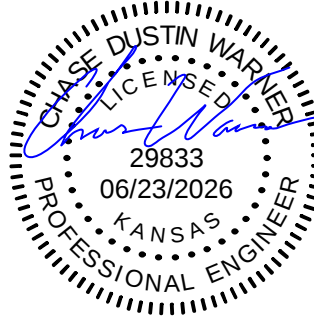
STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK
DATE: April 29, 2026

SHEET **20** OF **33**

Lot	Block	Location		Elev.	Compaction % and Test Elevation (X = No testing required)					
		Northing	Easting		1336	1337	1338	1339	1340	1341
1	A	1,714,145.55	1,624,250.79	1341.33	X	X	X			
2	A	1,714,144.35	1,624,192.80	1340.83	X	X	X			X
3	A	1,714,163.07	1,624,132.36	1340.33	X	X	X	X		X
4	A	1,714,138.22	1,624,054.59	1341.33	X	X	X	X		
5	A	1,714,057.44	1,624,022.59	1341.33	X	X	X	X		
6	A	1,713,983.34	1,624,056.33	1340.33	X	X	X	X		X
7	A	1,713,954.33	1,624,139.37	1339.83	X	X	X		X	X
8	A	1,713,981.63	1,624,197.13	1341.03	X	X	X			
9	A	1,713,982.87	1,624,257.11	1341.33	X	X				
10	A	1,713,825.83	1,624,263.73	1340.33	X	X	X			X
11	A	1,713,824.49	1,624,198.74	1340.33	X	X	X			X
12	A	1,713,849.29	1,624,139.66	1340.63	X	X	X			X
13	A	1,713,818.26	1,624,062.91	1340.83	X	X	X	X		X
14	A	1,713,736.82	1,624,030.93	1341.33	X	X	X	X		
15	A	1,713,659.97	1,624,068.59	1340.83	X	X	X	X		X
16	A	1,713,634.39	1,624,146.20	1340.83	X	X	X	X		X
17	A	1,713,661.52	1,624,202.00	1340.13	X	X	X	X		X
18	A	1,713,662.89	1,624,267.99	1339.33	X	X	X		X	X
19	A	1,713,505.86	1,624,268.60	1339.33	X	X	X	X	X	X
20	A	1,713,504.64	1,624,209.61	1340.13	X	X	X	X		X
21	A	1,713,503.40	1,624,149.62	1340.83	X	X	X	X		X
22	A	1,713,502.16	1,624,089.64	1341.33	X	X	X	X		
23	A	1,713,500.98	1,624,033.12	1341.03	X	X	X			
1	B	1,714,541.05	1,624,395.54	1341.83	X	X	X	X		
2	B	1,714,351.68	1,624,400.38	1341.33	X	X	X			
3	B	1,714,148.55	1,624,390.98	1340.83	X	X				X
4	B	1,714,170.71	1,624,450.42	1339.83	X	X			X	X
5	B	1,714,139.26	1,624,515.83	1339.33	X	X			X	X
6	B	1,714,068.64	1,624,544.58	1339.33	X				X	X
7	B	1,714,006.90	1,624,524.33	1339.33	X	X			X	X
8	B	1,713,965.89	1,624,455.63	1339.83	X	X			X	X
9	B	1,713,985.72	1,624,395.09	1340.33	X	X				X
10	B	1,713,828.63	1,624,399.20	1340.33	X	X				X
11	B	1,713,850.92	1,624,458.45	1340.33	X	X	X			X
12	B	1,713,815.72	1,624,527.39	1340.33	X	X	X			X
13	B	1,713,665.69	1,624,403.46	1338.83	X	X		X	X	X
14	B	1,713,508.74	1,624,407.57	1338.83	X	X	X	X	X	X
15	B	1,713,367.10	1,624,540.75	1340.93	X	X	X	X		X
16	B	1,713,326.10	1,624,472.37	1341.53	X	X	X	X	X	
17	B	1,713,342.94	1,624,406.95	1340.83	X	X	X			X
18	B	1,713,188.84	1,624,415.95	1340.83	X	X	X	X		X
19	B	1,713,211.13	1,624,475.11	1341.53	X	X	X	X	X	
20	B	1,713,175.92	1,624,543.81	1341.13	X	X	X	X		
21	B	1,713,114.07	1,624,569.05	1340.33	X	X	X	X		X
22	B	1,713,047.21	1,624,548.96	1339.83	X	X	X		X	X
23	B	1,713,006.20	1,624,480.40	1339.33	X	X			X	X
24	B	1,713,026.12	1,624,420.37	1339.33	X	X			X	X
1	C	1,713,337.98	1,624,033.91	1339.83	X	X	X		X	X
2	C	1,713,339.22	1,624,093.90	1340.83	X	X	X			X
3	C	1,713,340.46	1,624,153.89	1340.33	X	X	X	X		X
4	C	1,713,341.70	1,624,213.88	1339.83	X	X	X	X	X	X
5	C	1,713,342.92	1,624,272.87	1339.83	X	X	X	X	X	X
6	C	1,713,186.04	1,624,280.47	1339.83	X	X			X	X
7	C	1,713,184.68	1,624,214.49	1339.83	X				X	X
8	C	1,713,209.50	1,624,156.50	1339.93	X	X			X	X
9	C	1,713,177.96	1,624,083.79	1339.53	X	X			X	X
10	C	1,713,097.70	1,624,047.72	1339.33	X				X	X
11	C	1,713,020.61	1,624,084.83	1338.83				X	X	X
12	C	1,712,997.08	1,624,162.71	1338.33				X	X	X
13	C	1,713,019.25	1,624,218.98	1338.33	X			X	X	X
14	C	1,713,023.10	1,624,284.74	1338.83	X	X		X	X	X



BAUGHMAN
COMPANY

315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

COMPACTION
TABLE

STORM WATER DRAIN
IMPROVEMENTS

PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

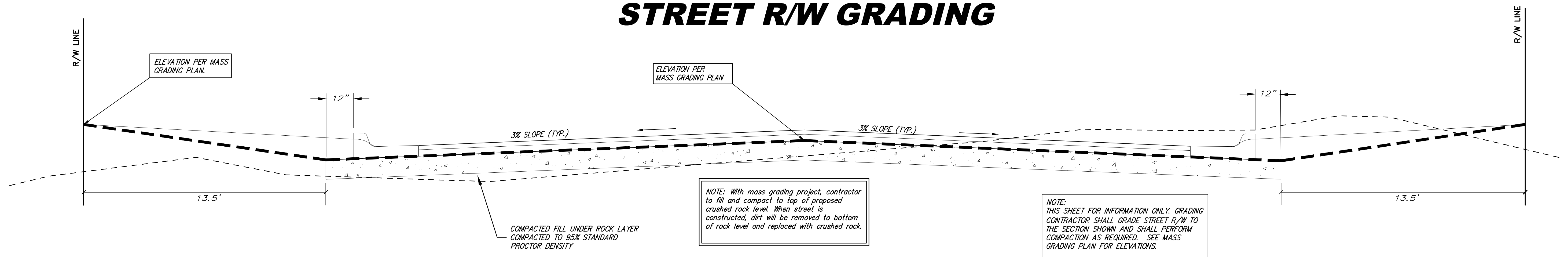
DATE: April 29, 2026

SHEET OF
21 33

File: E:\Projects\Midland Baptist Church 3rd Addition_25-Engineering\SWD_PLANS.dwg

TYPICAL MASS GRADING DETAIL

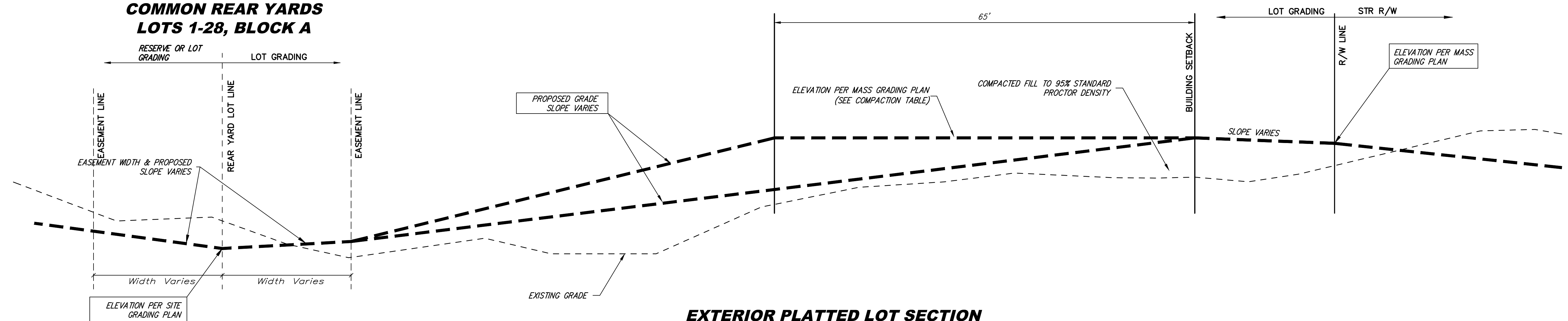
STREET R/W GRADING



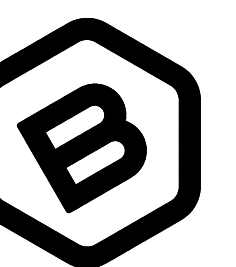
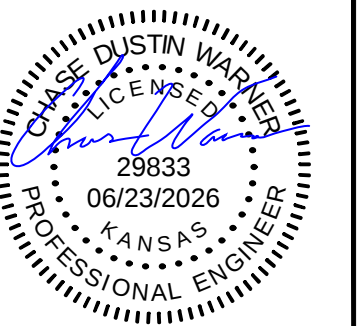
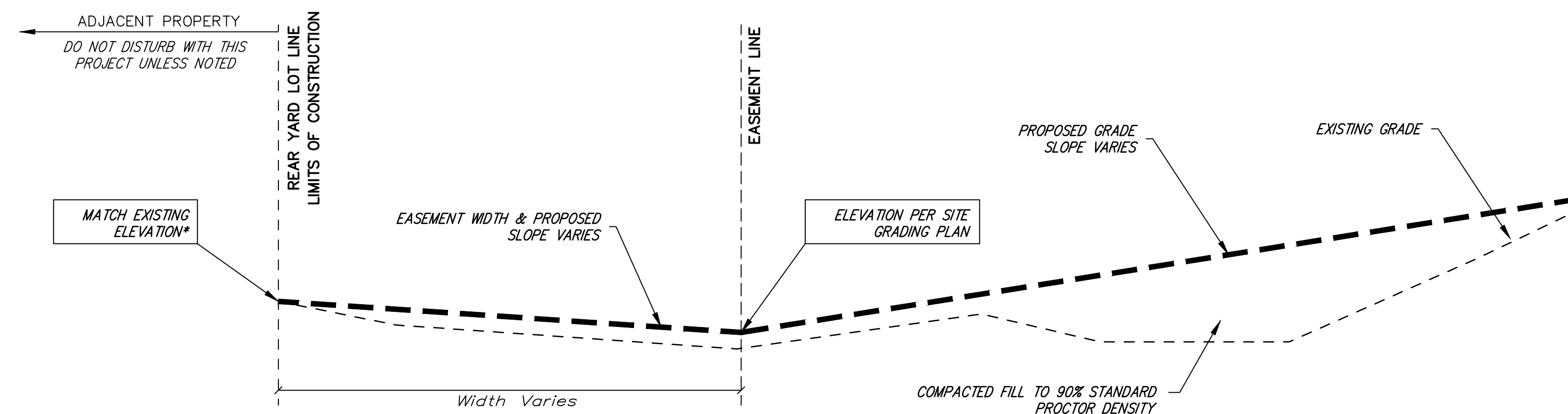
LOT FILL GRADING

INTERIOR PLATTED LOT SECTION

COMMON REAR YARDS LOTS 1-28, BLOCK A



EXTERIOR PLATTED LOT SECTION



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MIDLAND BAPTIST CHURCH
3RD ADDITION

**MASS
GRADING
TYPICAL
SECTION**

STORM WATER DRAIN
IMPROVEMENTS

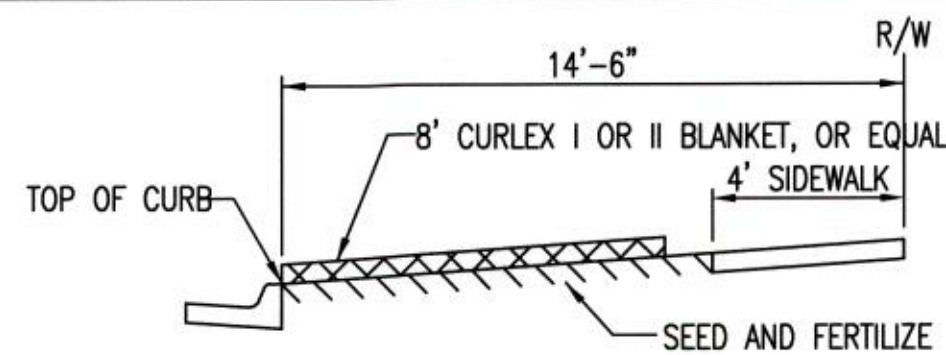
PROJECT NUMBER:

DESIGN: CDW DRAWN: JAK

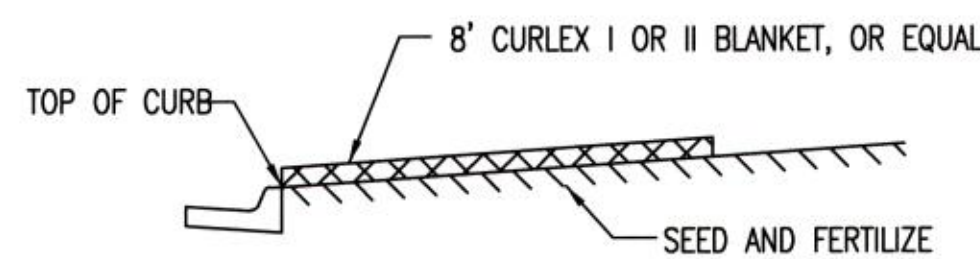
DATE: April 29, 2026

SHEET 22 OF 33

File: C:\Projects\Midland Baptist Church 3rd Addition_25-Engineering\SWD Details.dwg

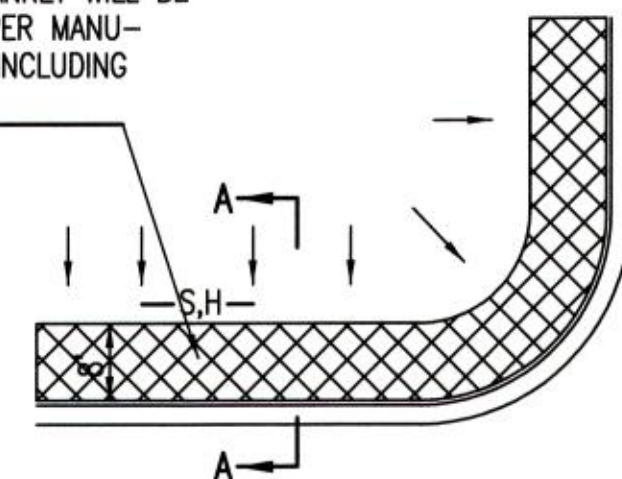


SECTION B-B

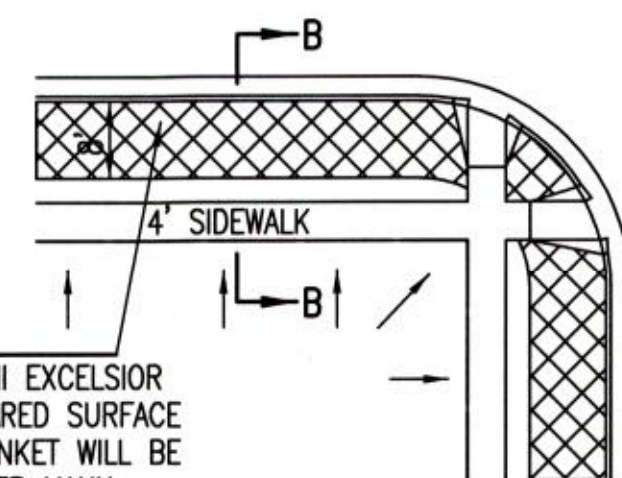


SECTION A-A

INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURERS RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)



SOUTH STREET

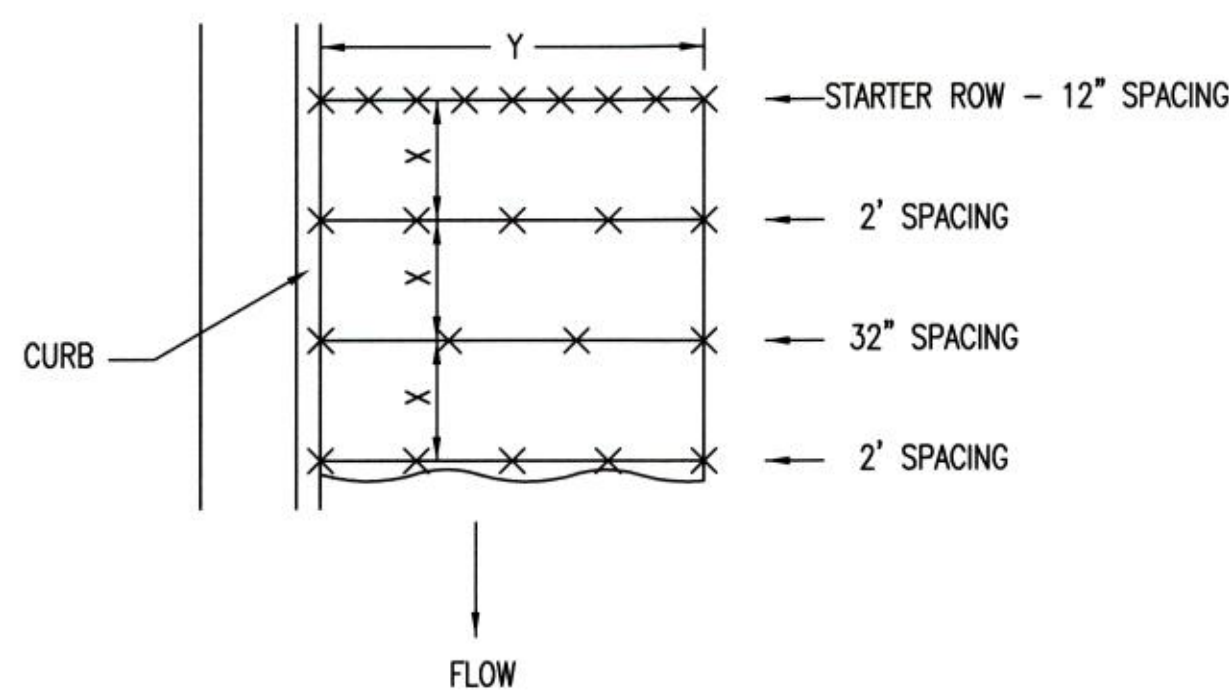


INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURERS RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)

GENERAL NOTES

- EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
- EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- 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.

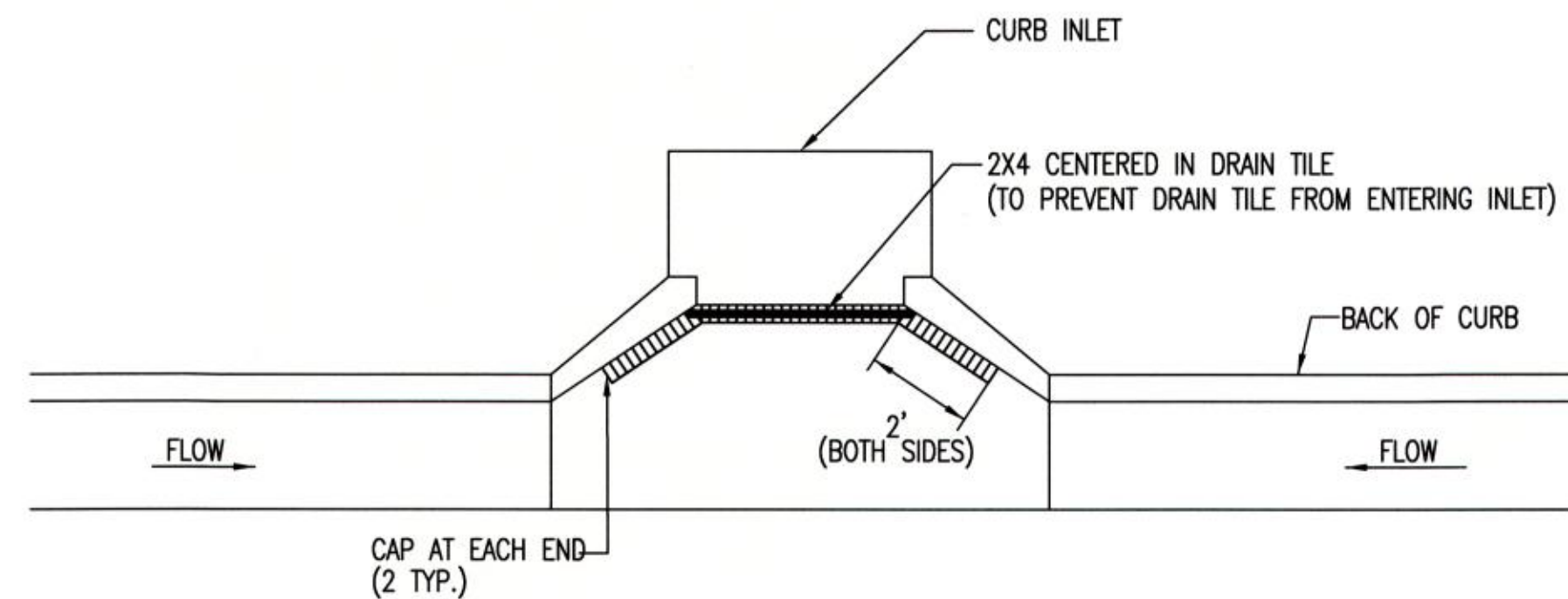
BACK OF CURB PROTECTION DETAIL



STAPLE PATTERN

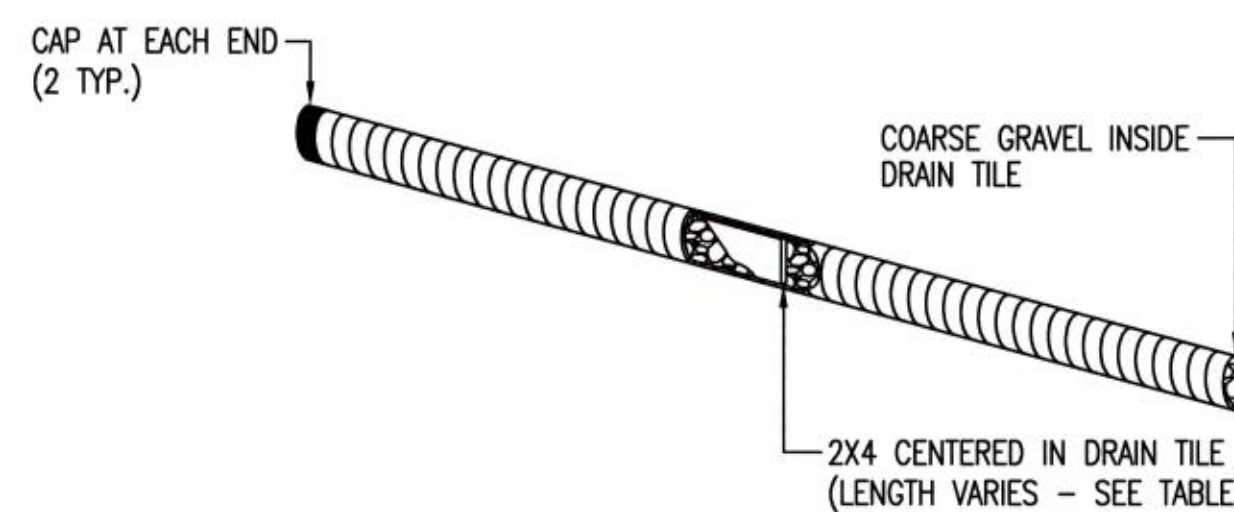
NOTES: USE 6" SEAM OVERLAP
(X & Y = RECOMMENDED BY MANUFACTURE)

DETAILS FOR APPROVED EROSION CONTROL MAT



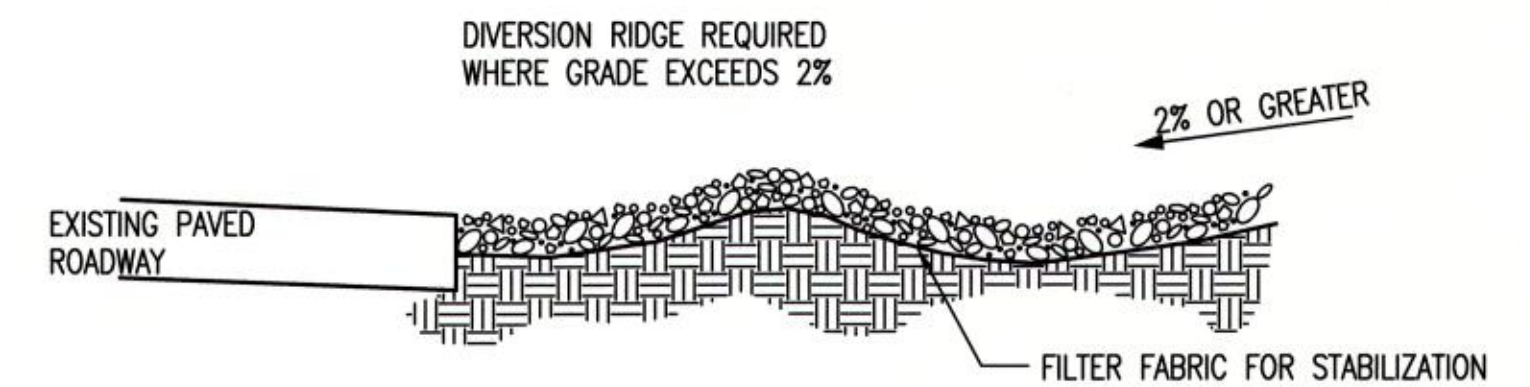
NOTE:
PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

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

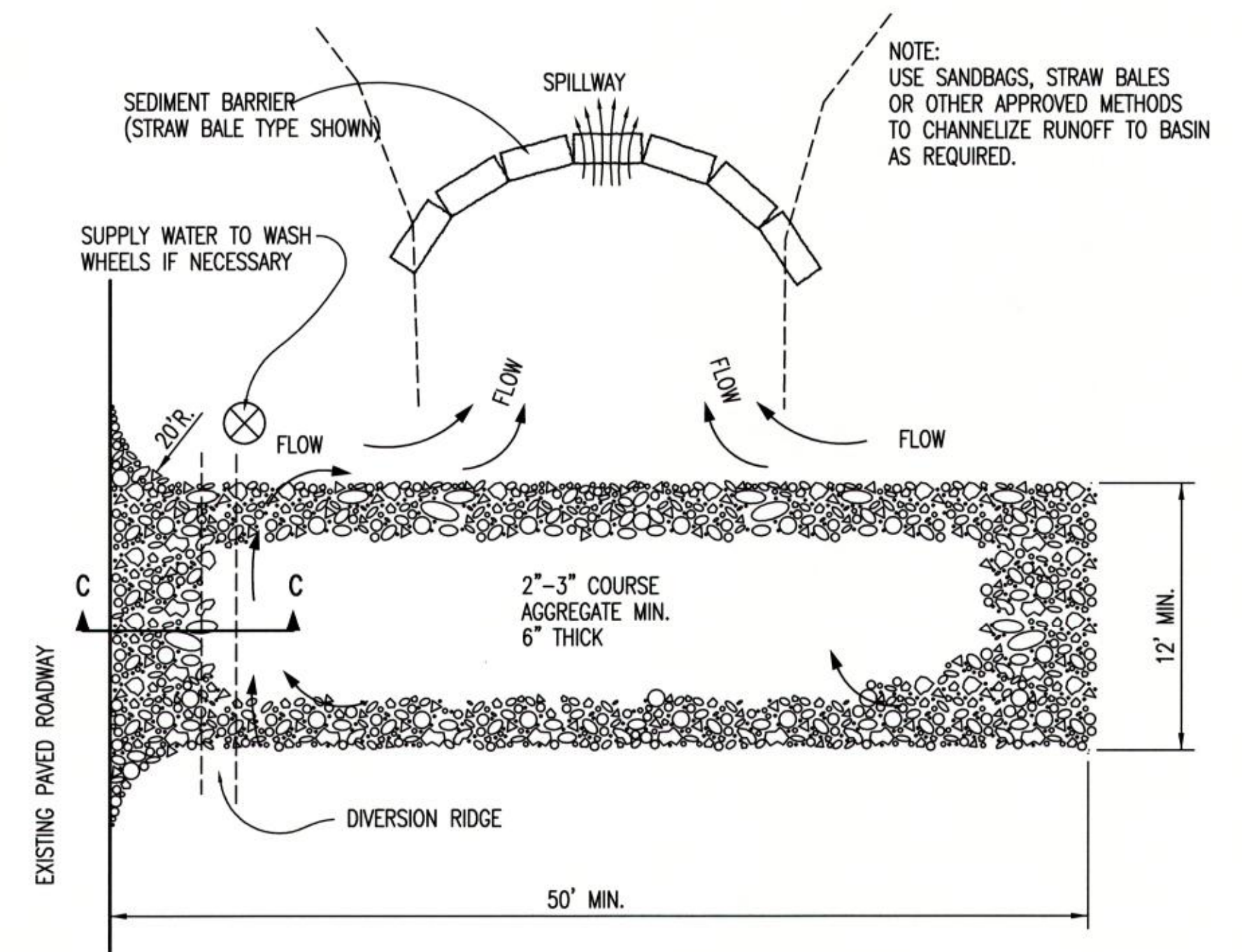


CURB INLET PROTECTION

4" PERFORATED PIPE W/ GRAVEL



SECTION C-C



STABILIZED CONSTRUCTION ENTRANCE

GENERAL NOTES

- 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.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- 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.
- 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



05/30/13



BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE

CITY ENGINEER

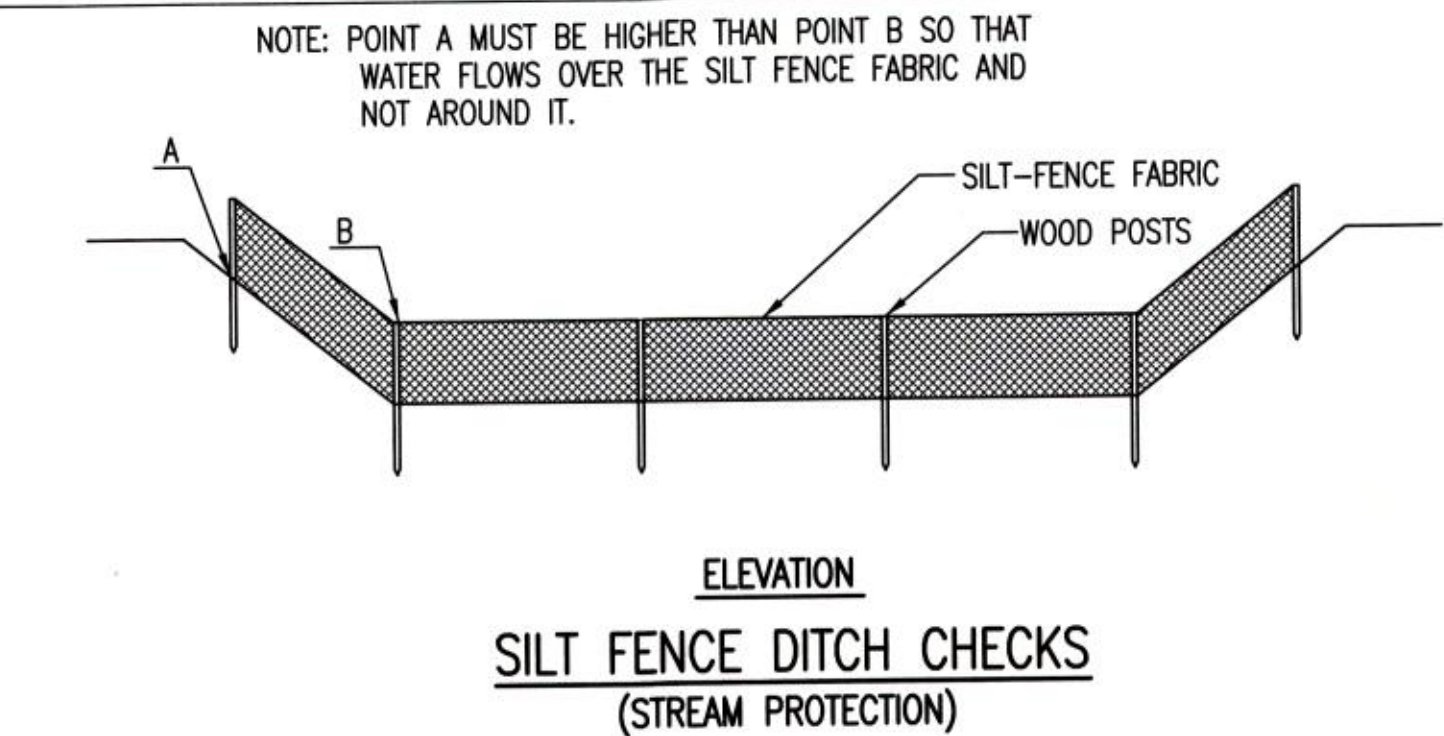
GARY JANZEN, P.E.

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

SHEET

23 of 33



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 CHECK 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 DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE 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 UPSLOPE SIDE 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 24". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

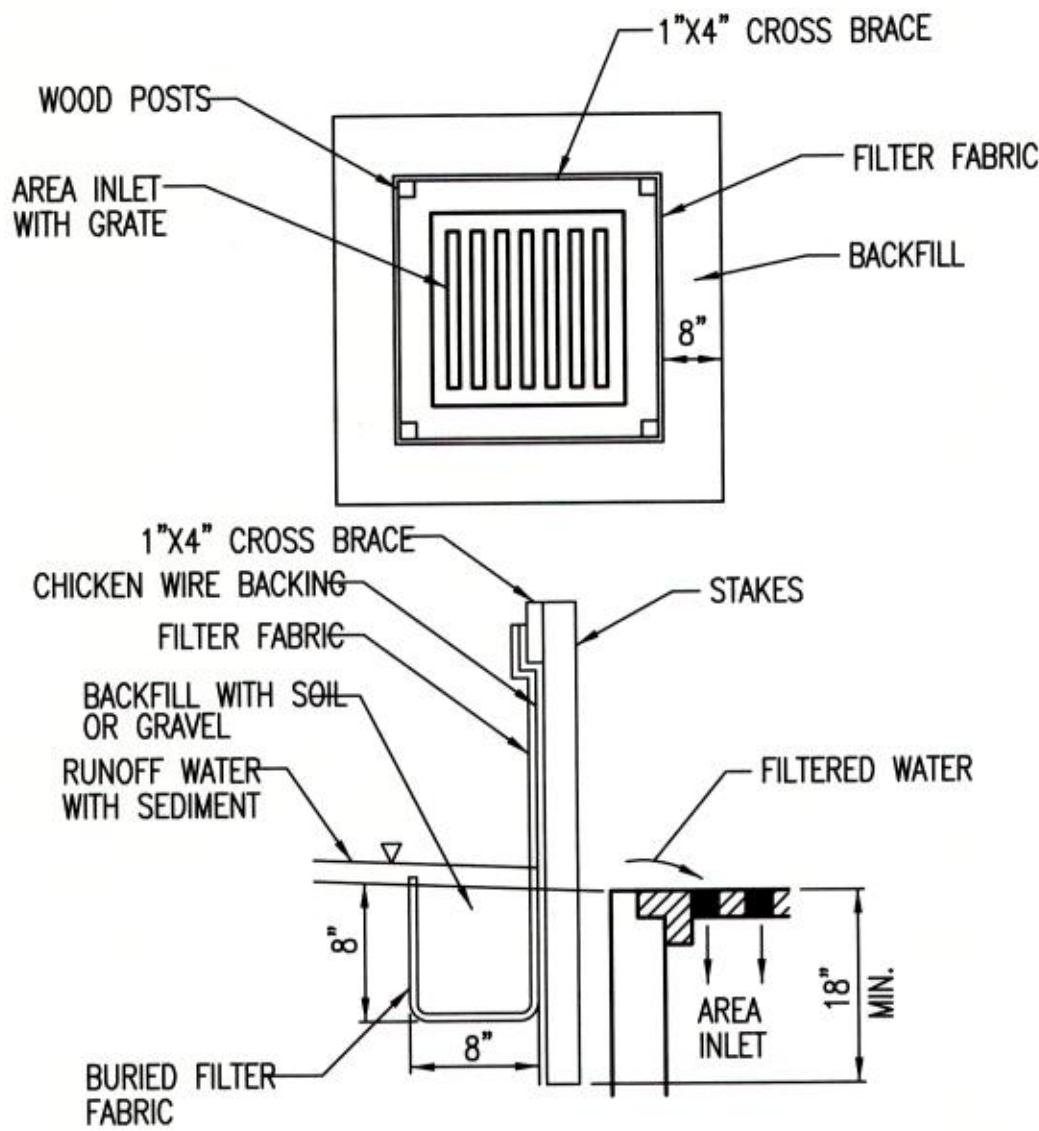
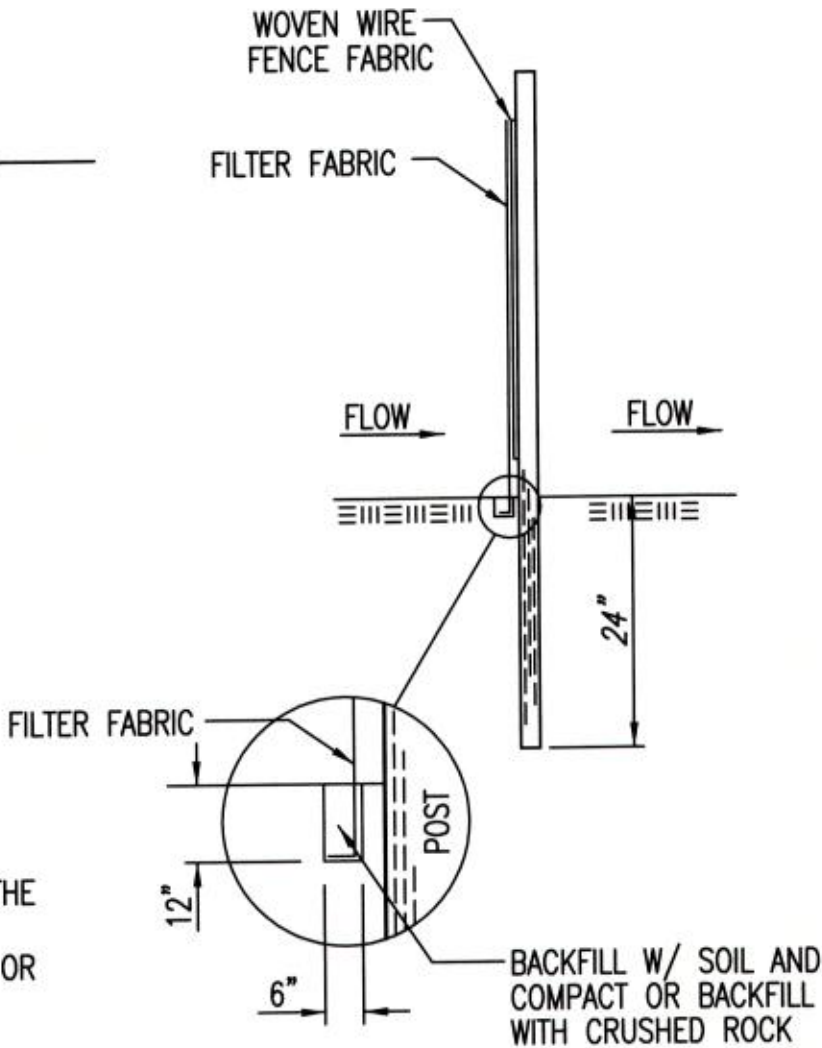
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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 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 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?



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.

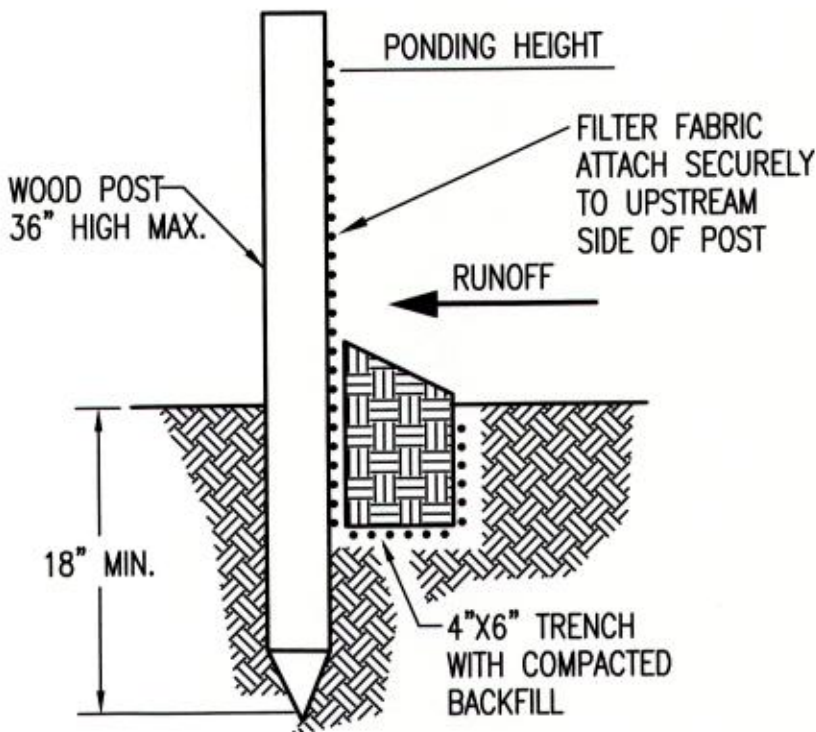
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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?



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:

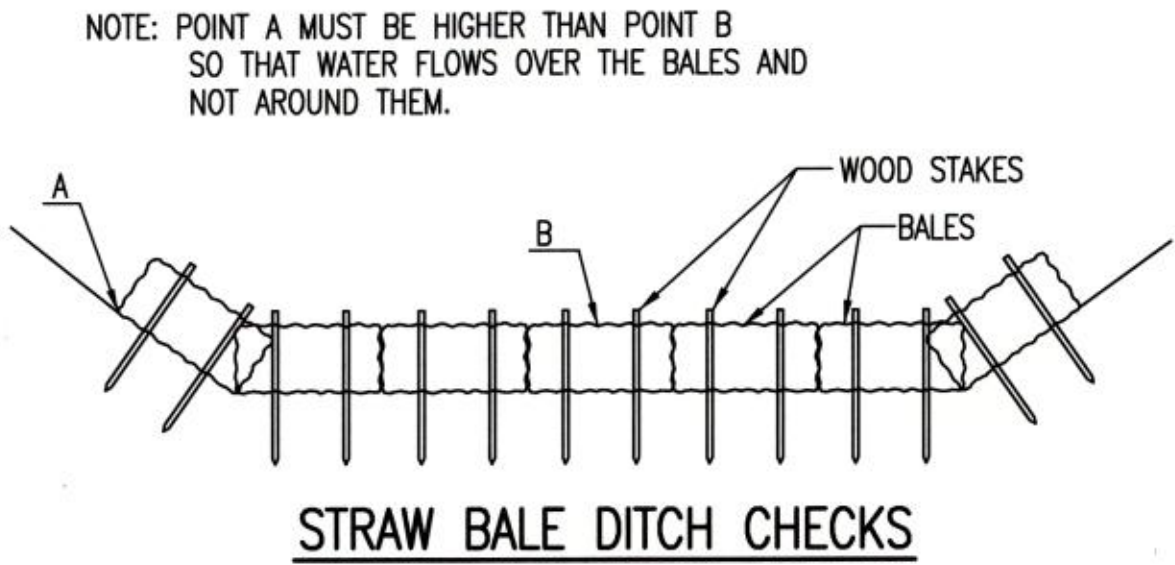
SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

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?

REVISION DATE: MAY 2013



SILT FENCE DITCH CHECK AND BARRIER DETAILS		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 24 of 33



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 CHECK SPACING 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".

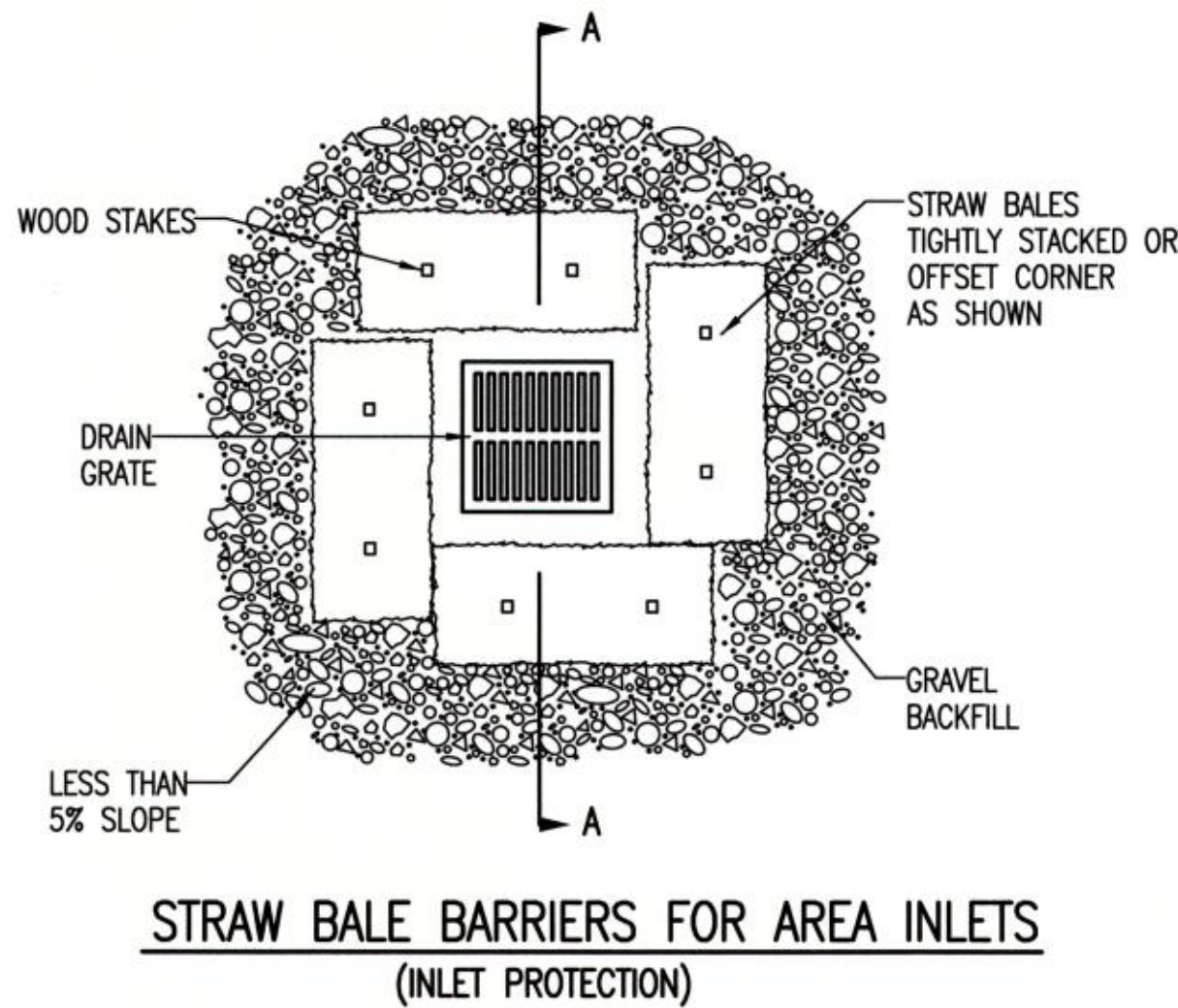
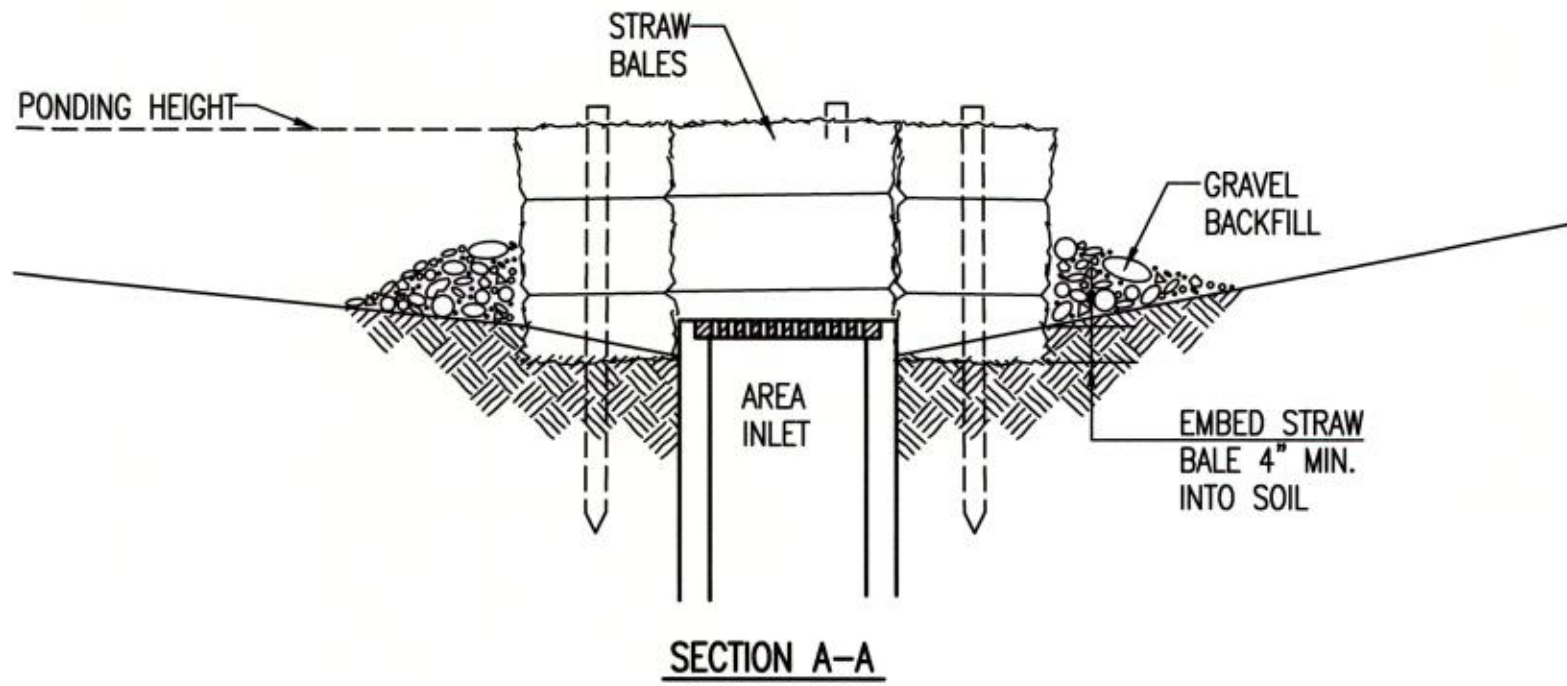
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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?



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.

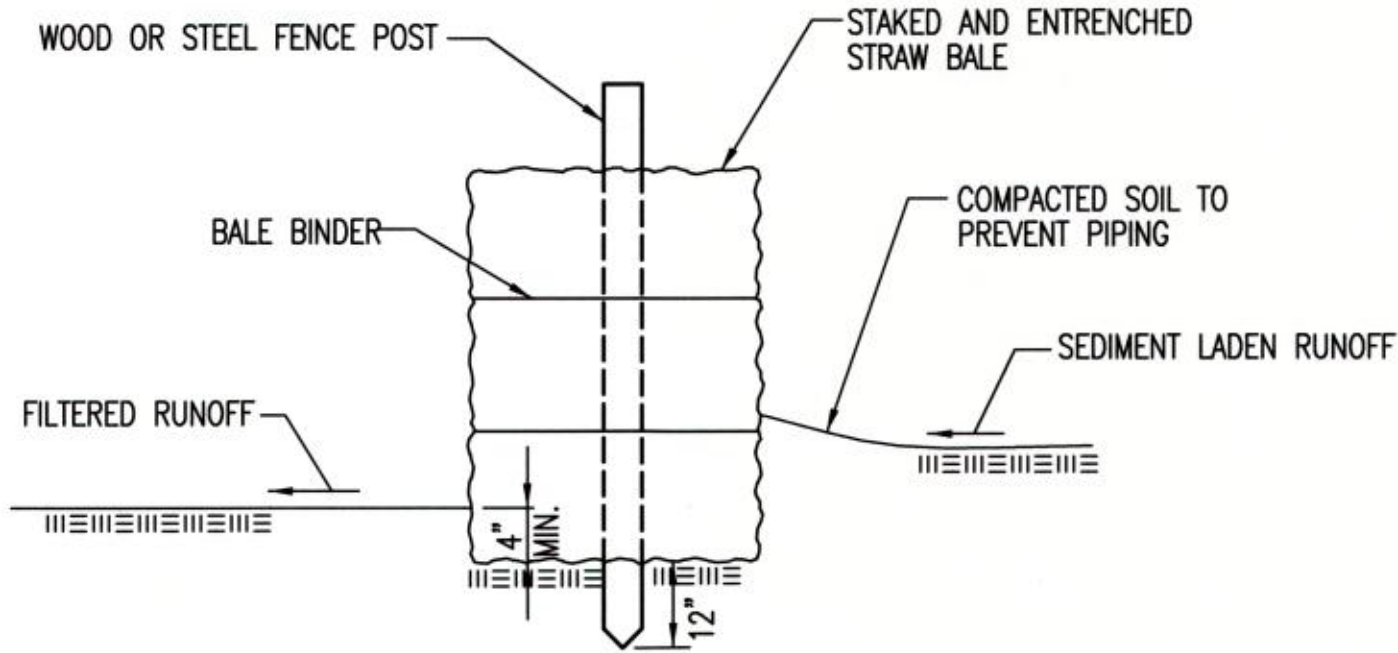
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

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 OF 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?



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?

REVISION DATE: MAY 2013



 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
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 25 of 33

GENERAL NOTES

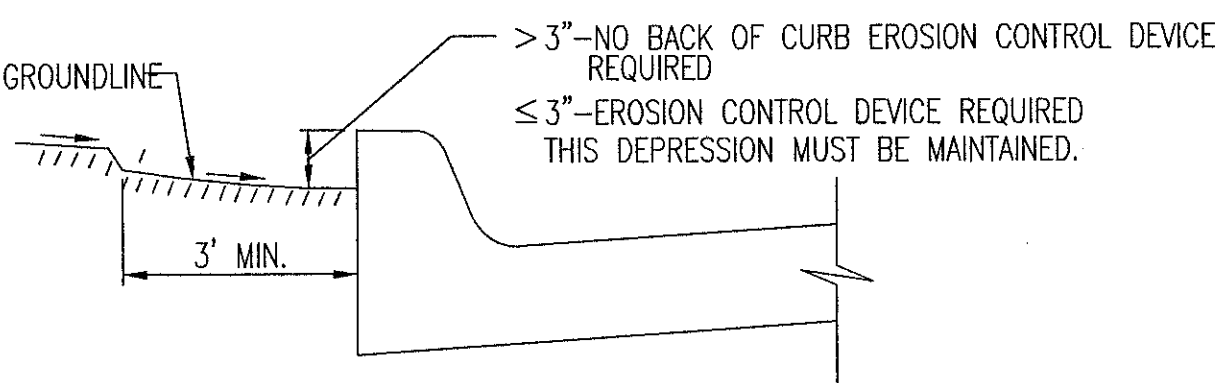
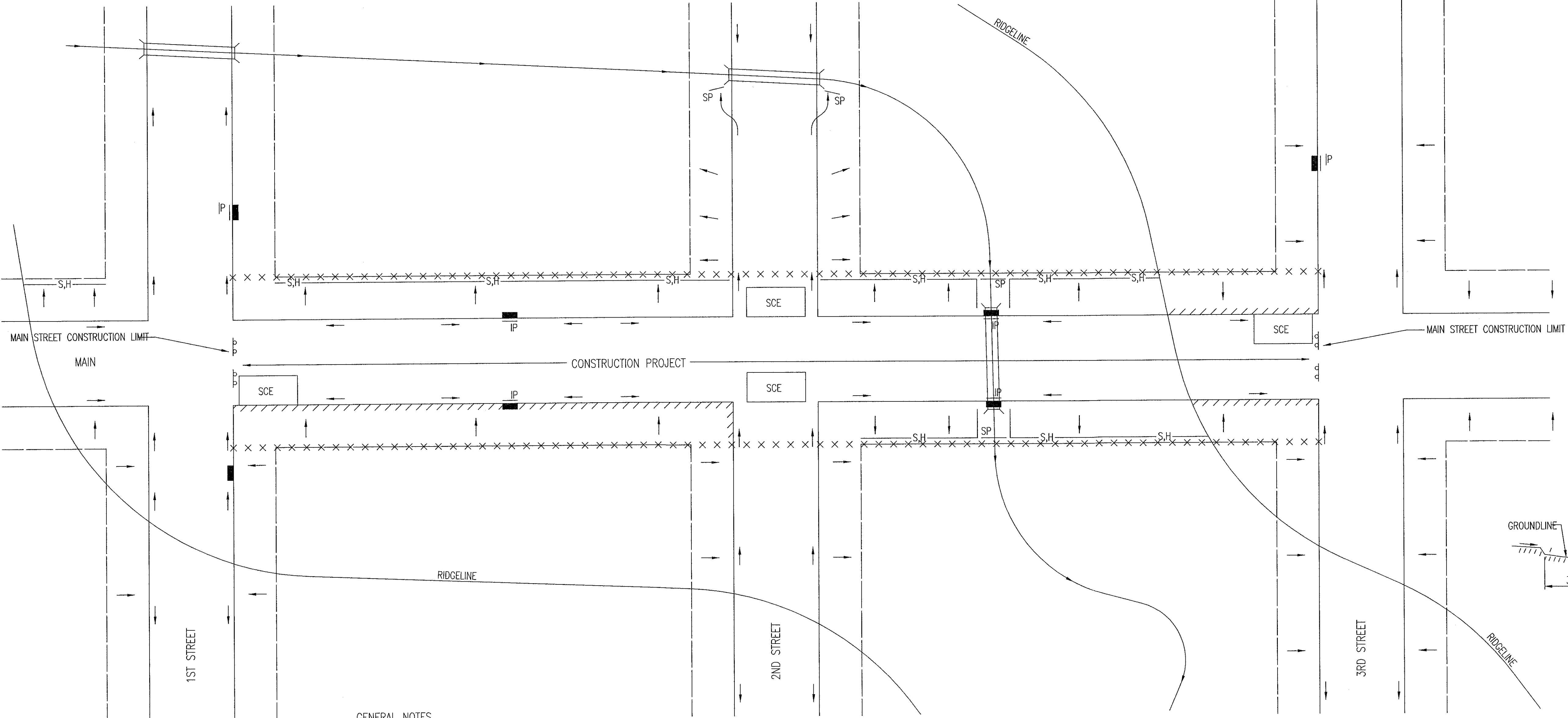
1. THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPES OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.

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.

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)

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



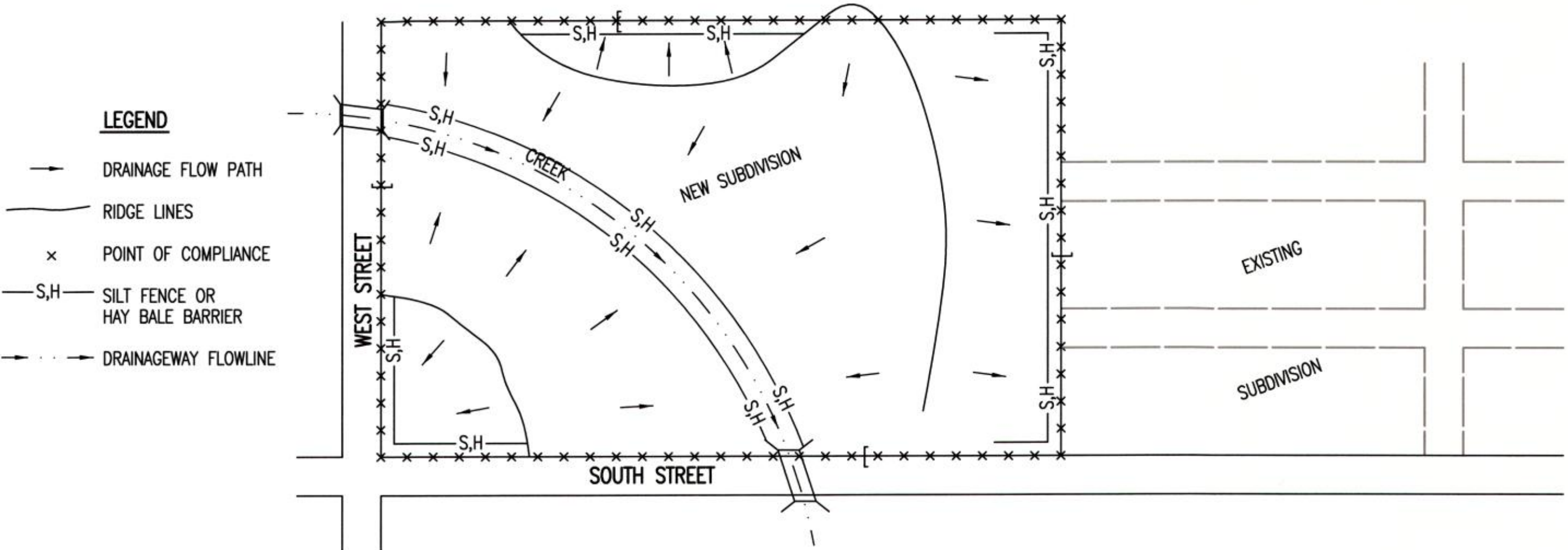
CITY OF WICHITA

PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

STREET IMPROVEMENT PROJECTS		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 26 of 33

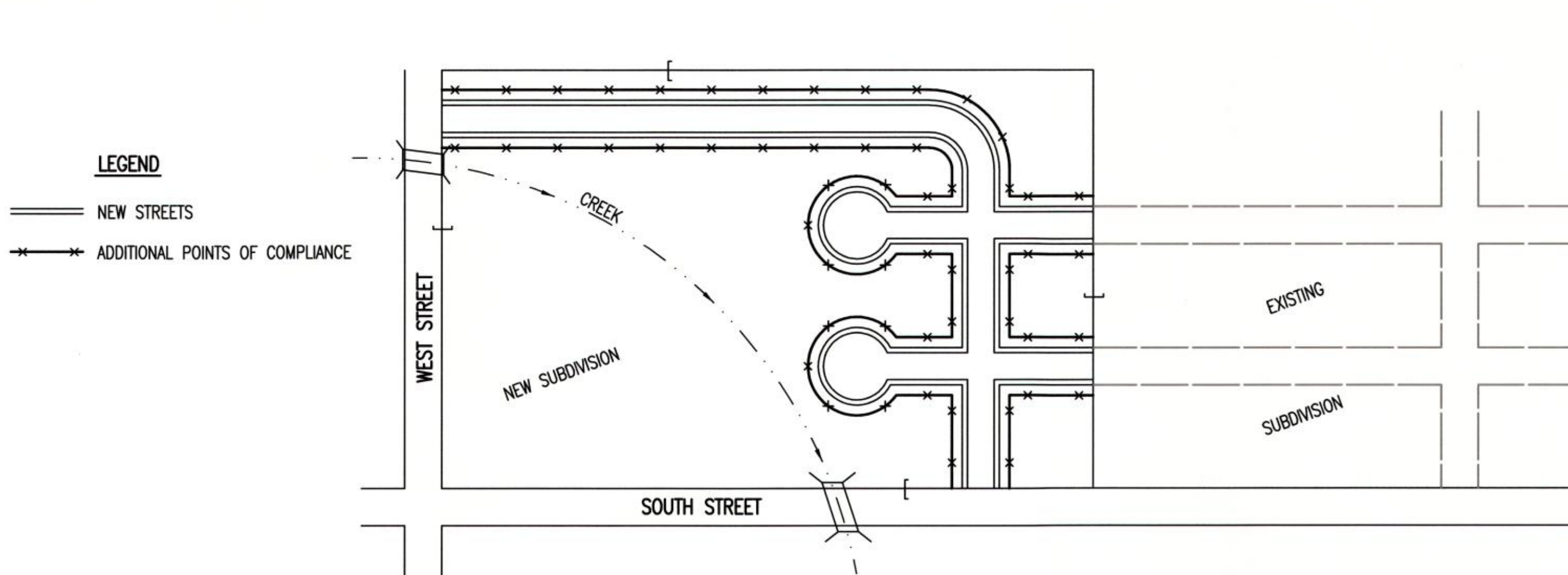
REVISION: JUNE 2015

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



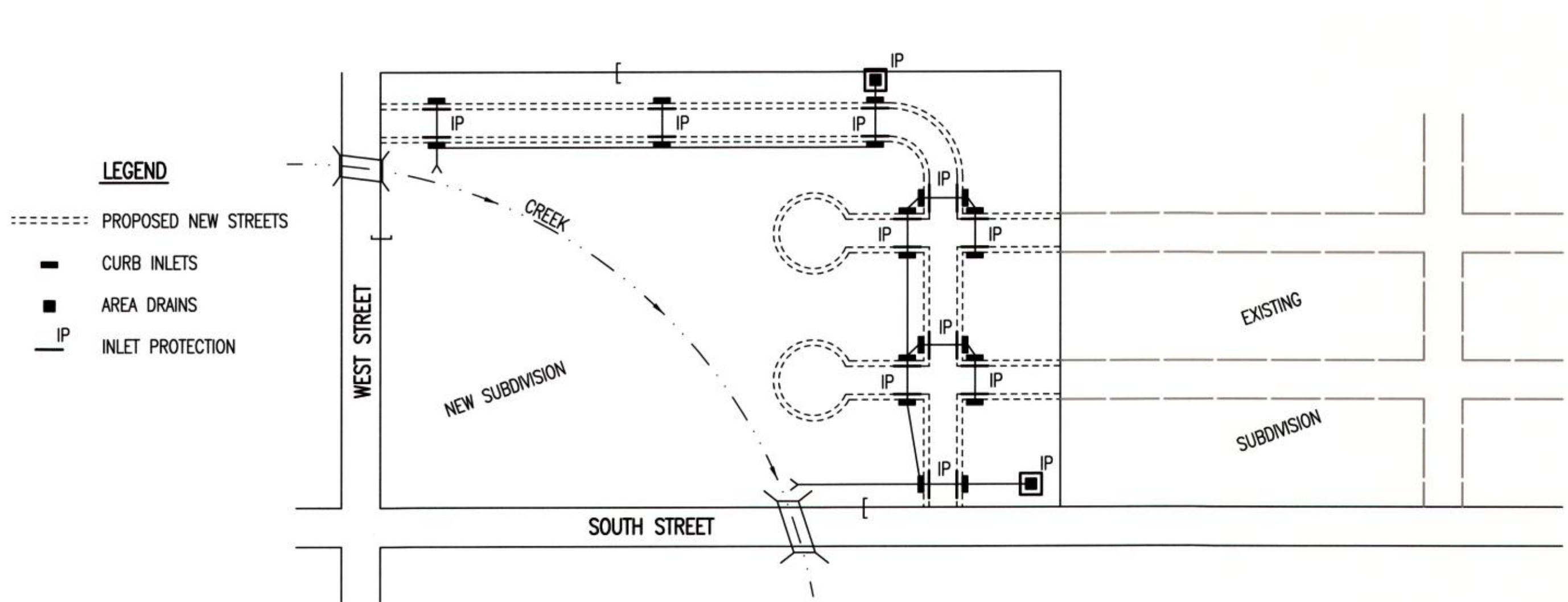
1. DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, THE POINTS OF COMPLIANCE ARE THE PERIMETER BOUNDARIES AND ANY DRAINAGE WAYS OR STORM SEWERS DRAINING THROUGH OR FROM THE SITE. SHOULD LAKES BE CONSTRUCTED WITHIN THE SUBDIVISION THAT WILL DISCHARGE DURING STORMS, THEY ARE ALSO A POINT OF COMPLIANCE.
2. 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 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.

PHASE 2 – INSTALLATION OF STORM SEWER

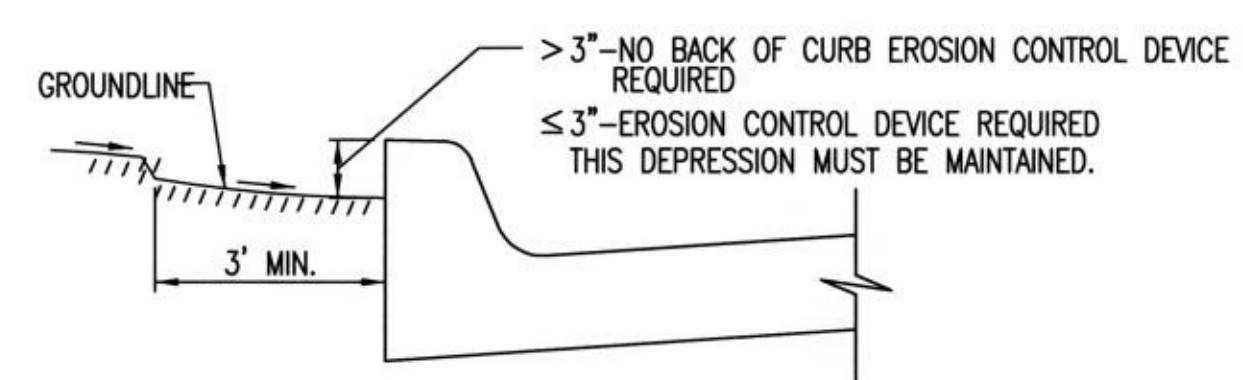


1. DURING THIS PHASE OF SUBDIVISION DEVELOPMENT, ALL EROSION CONTROL DEVICES REQUIRED IN PHASE 1 SHALL REMAIN IN PLACE AND BE MAINTAINED.
2. AS NEW STORM SEWERS, WITH INLETS, ARE INSTALLED, THE STORM SEWERS MUST NOW BE PROTECTED SO ALL NEW INLETS BECOME POINTS OF COMPLIANCE.
3. AREA DRAINS – AS SOON 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.

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 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.

SEE DETAIL SHEET FOR
BACK OF CURB PROTECTION DETAIL



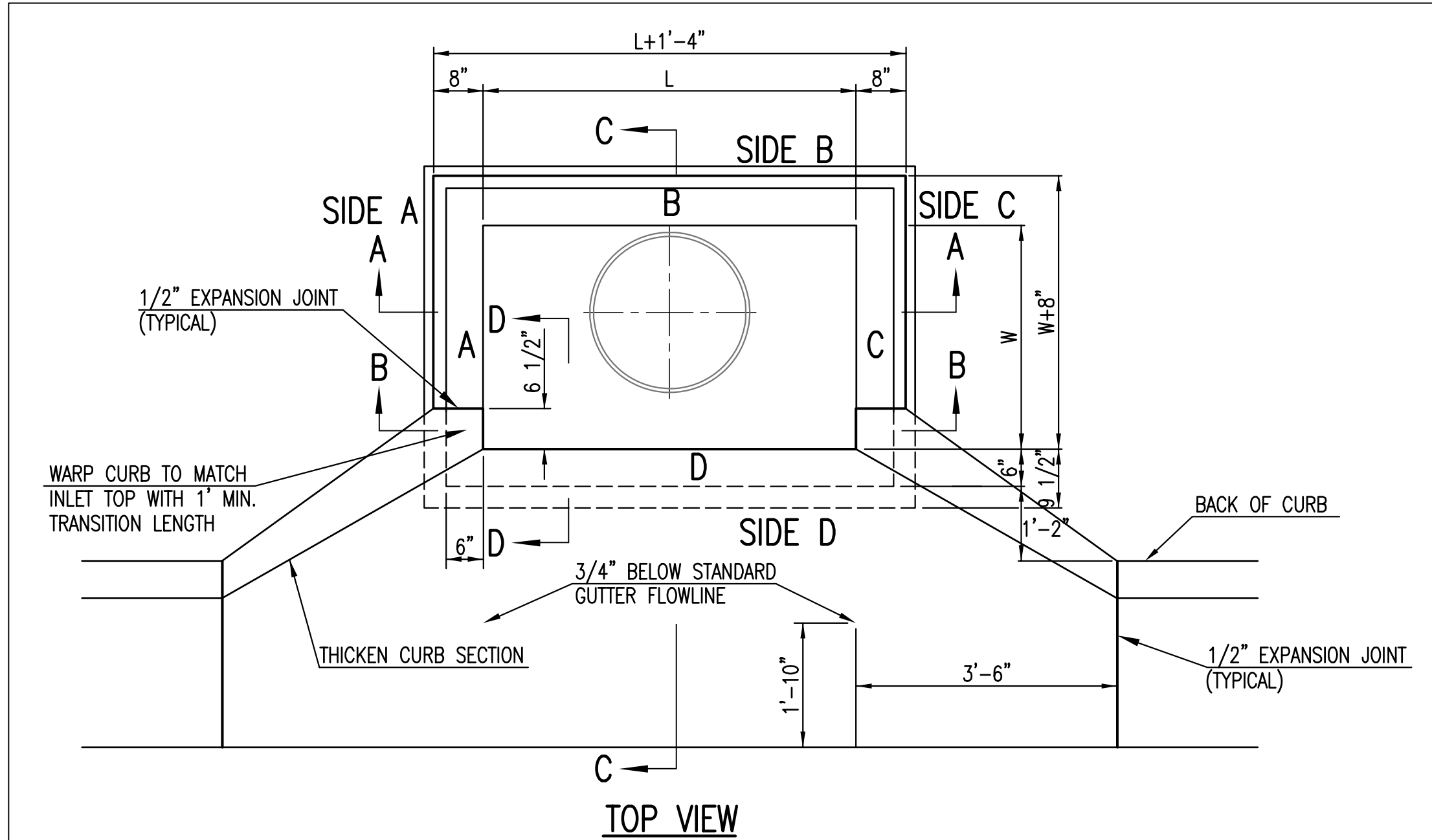
CURB BACKFILL DETAIL
(STREET CONSTRUCTION ONLY)

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.

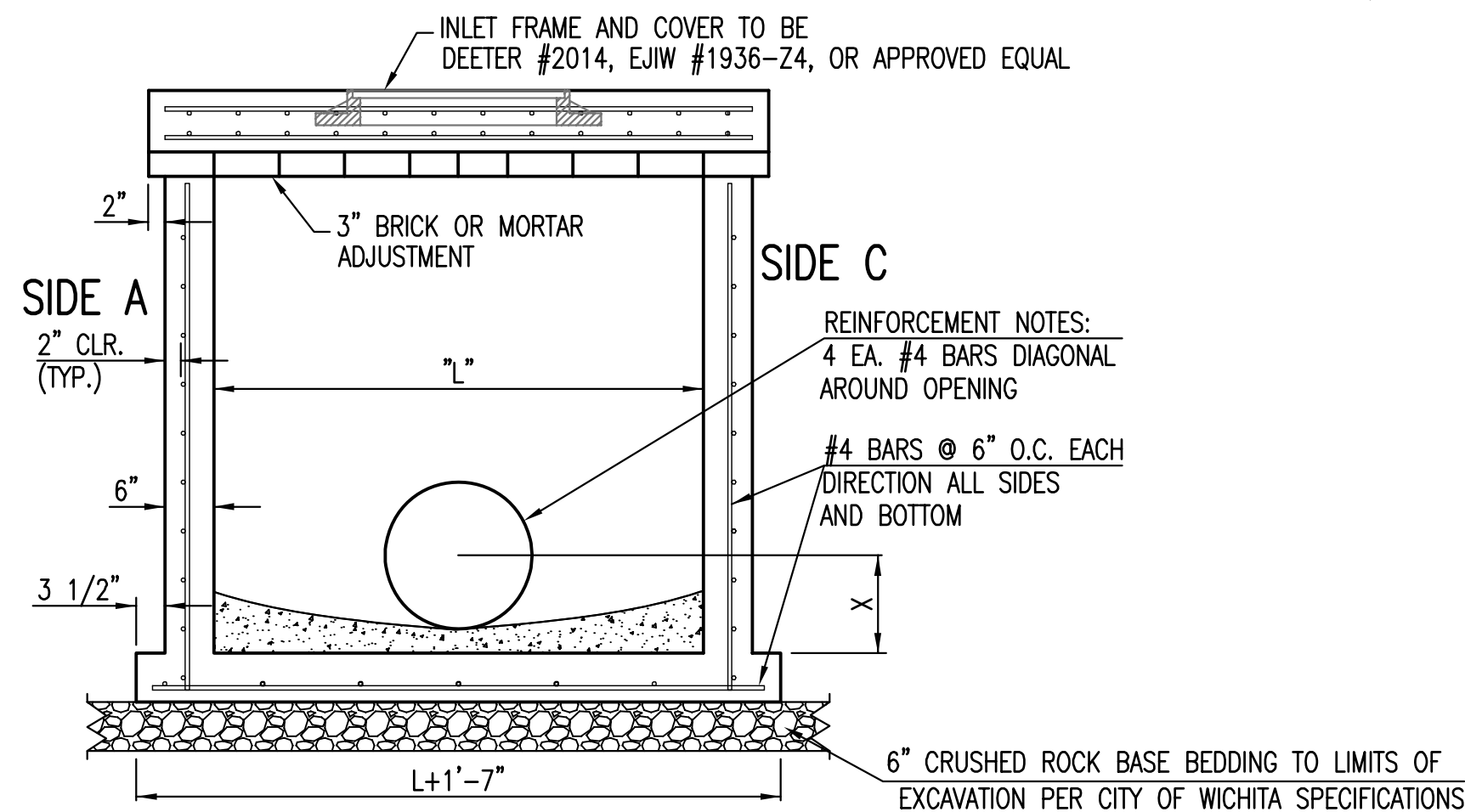
REVISION DATE: MAY 2013



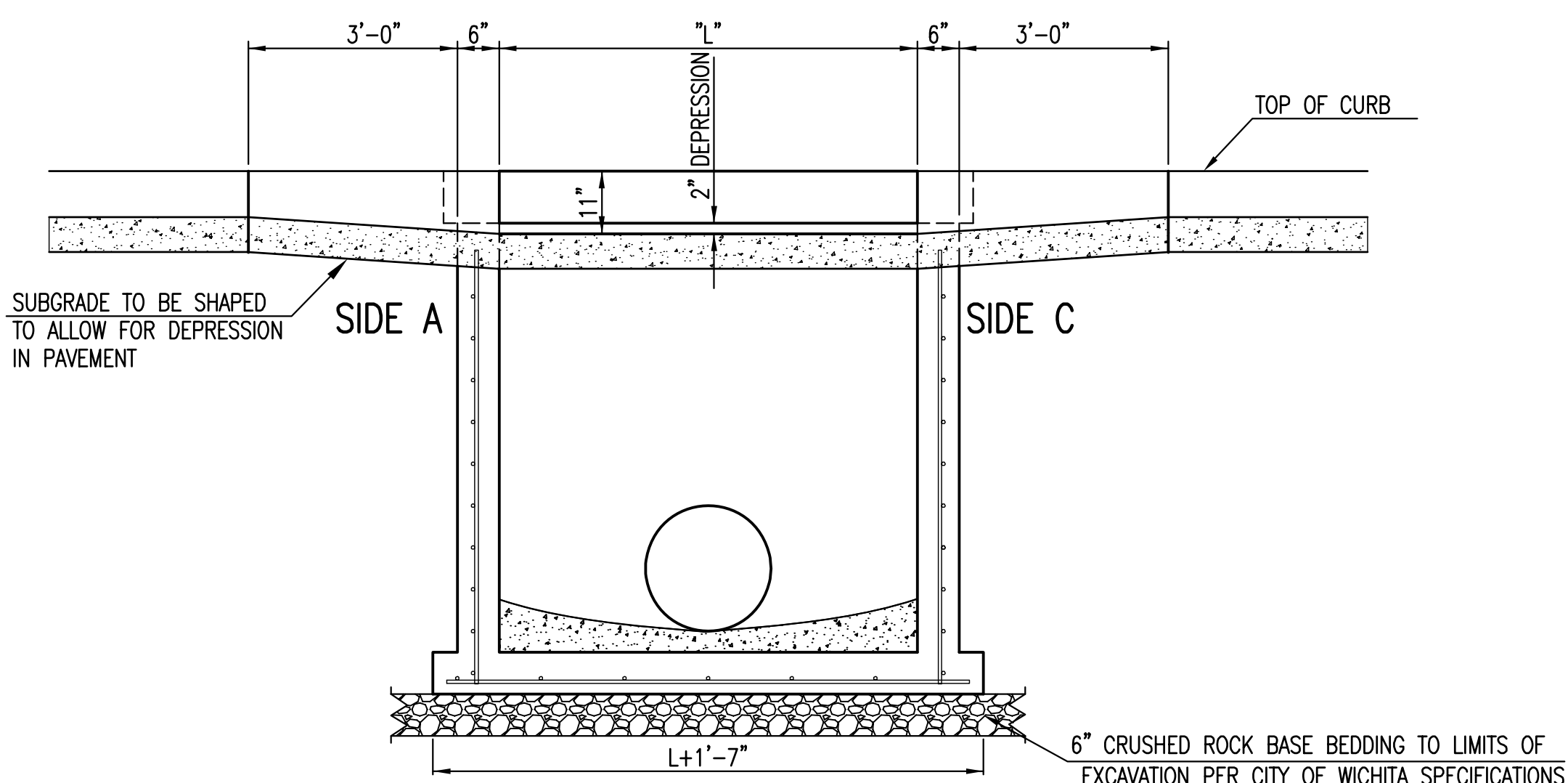
SUBDIVISION DEVELOPMENT PROCESS		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 27 of 33



TOP VIEW

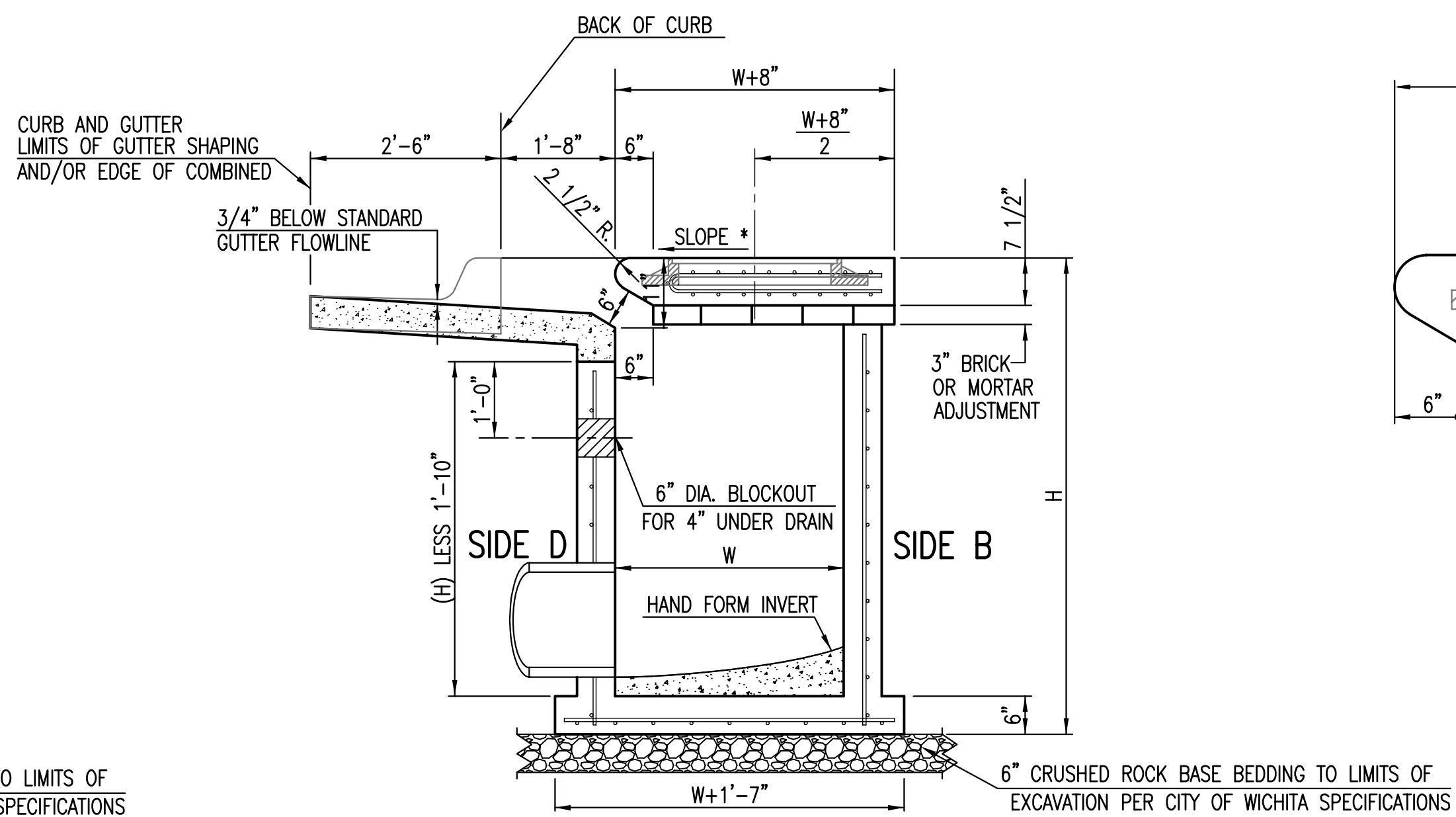


SECTION "A-A"



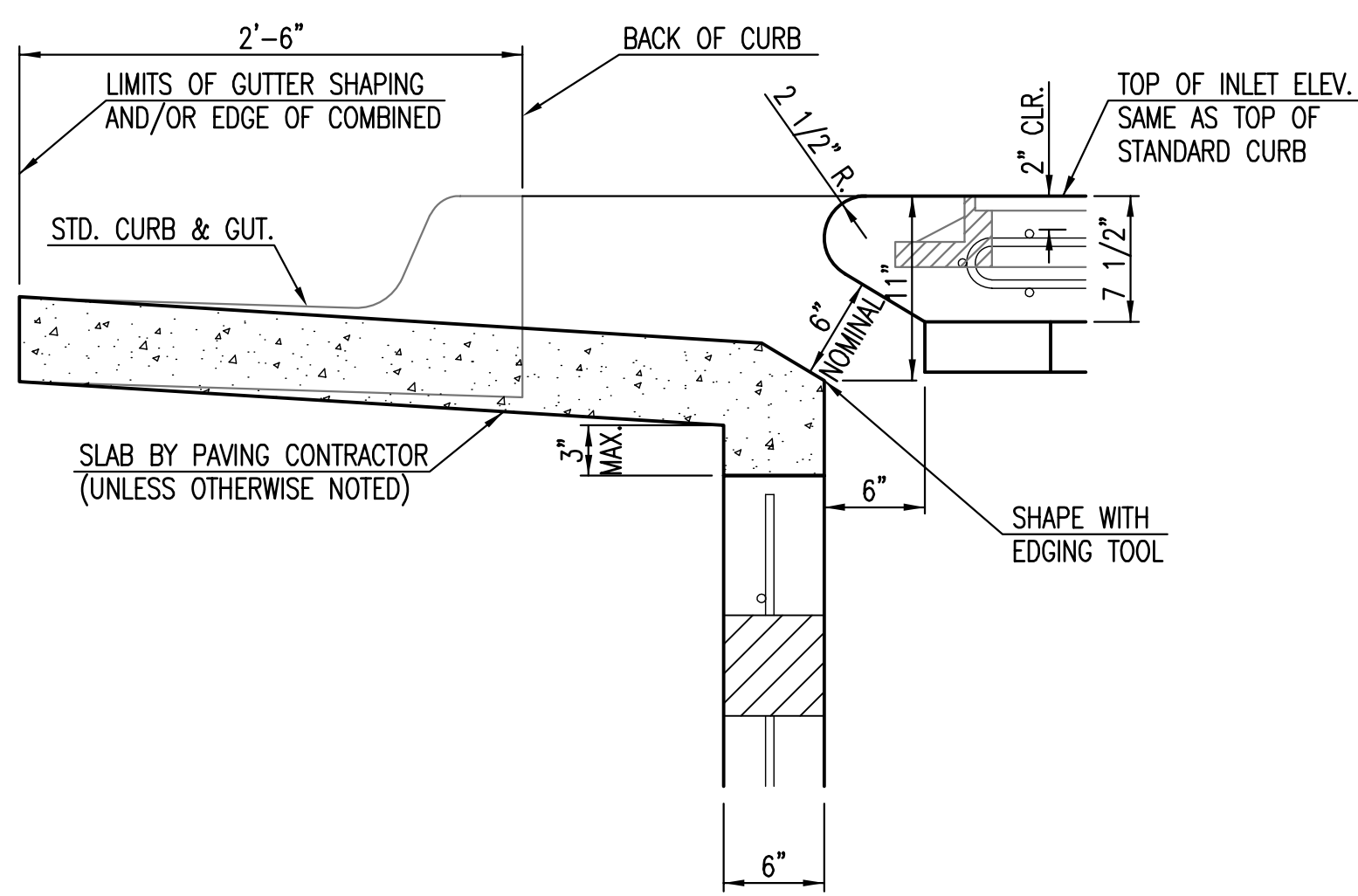
SECTION "B-B"

BAR SCHEDULE		
INLET OPENING	B1 BARS	SPACING
5'-0"	#4	4"
10'-0"	#6	3.5"



SECTION "C-C"

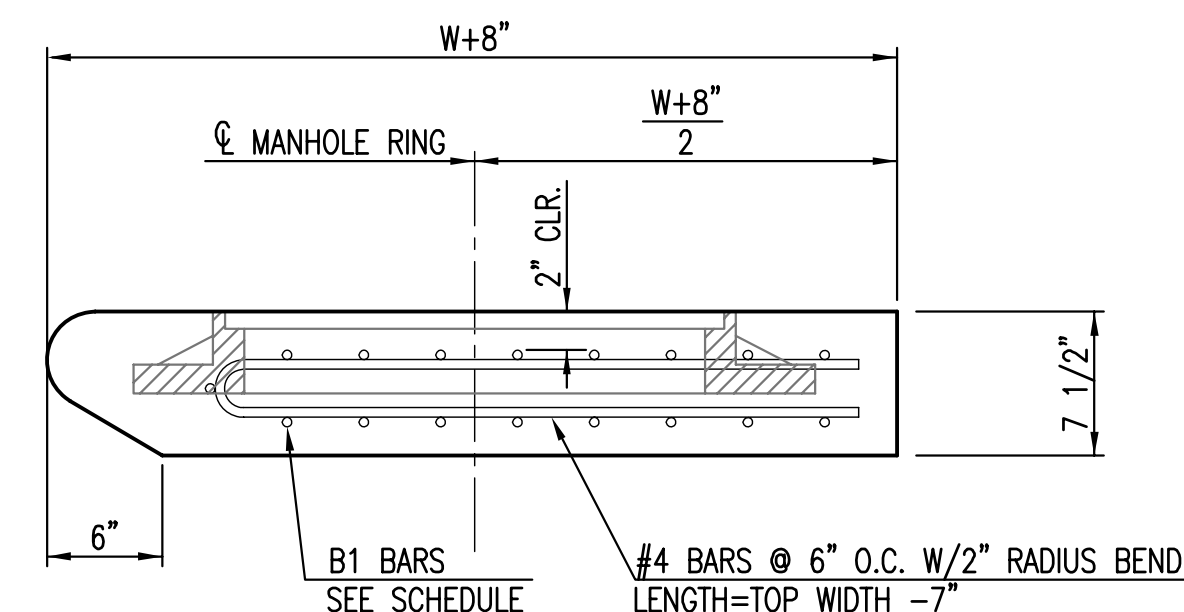
NOTES:
* SLOPE OF INLET TOP TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.



SECTION "D-D"

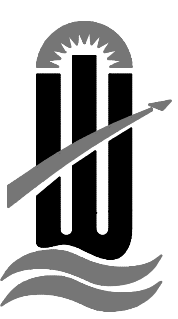
PRECAST CURB INLET WIDTHS				
W	PRE-CAST TOP SIZE			PIPE DIA.**
	WIDTH	LENGTH	TOP	
3'-0"	W+8"	L+1'-4"	7 1/2"	21" & SMALLER
4'-0"	W+8"	L+1'-4"	7 1/2"	24" & 30"
5'-0"	W+8"	L+1'-4"	7 1/2"	36" & 42"
6'-0"	W+8"	L+1'-4"	7 1/2"	48" & 54"
7'-0"	W+8"	L+1'-4"	7 1/2"	60" & 66"

** FOR PIPES PERPENDICULAR TO INLET WALL

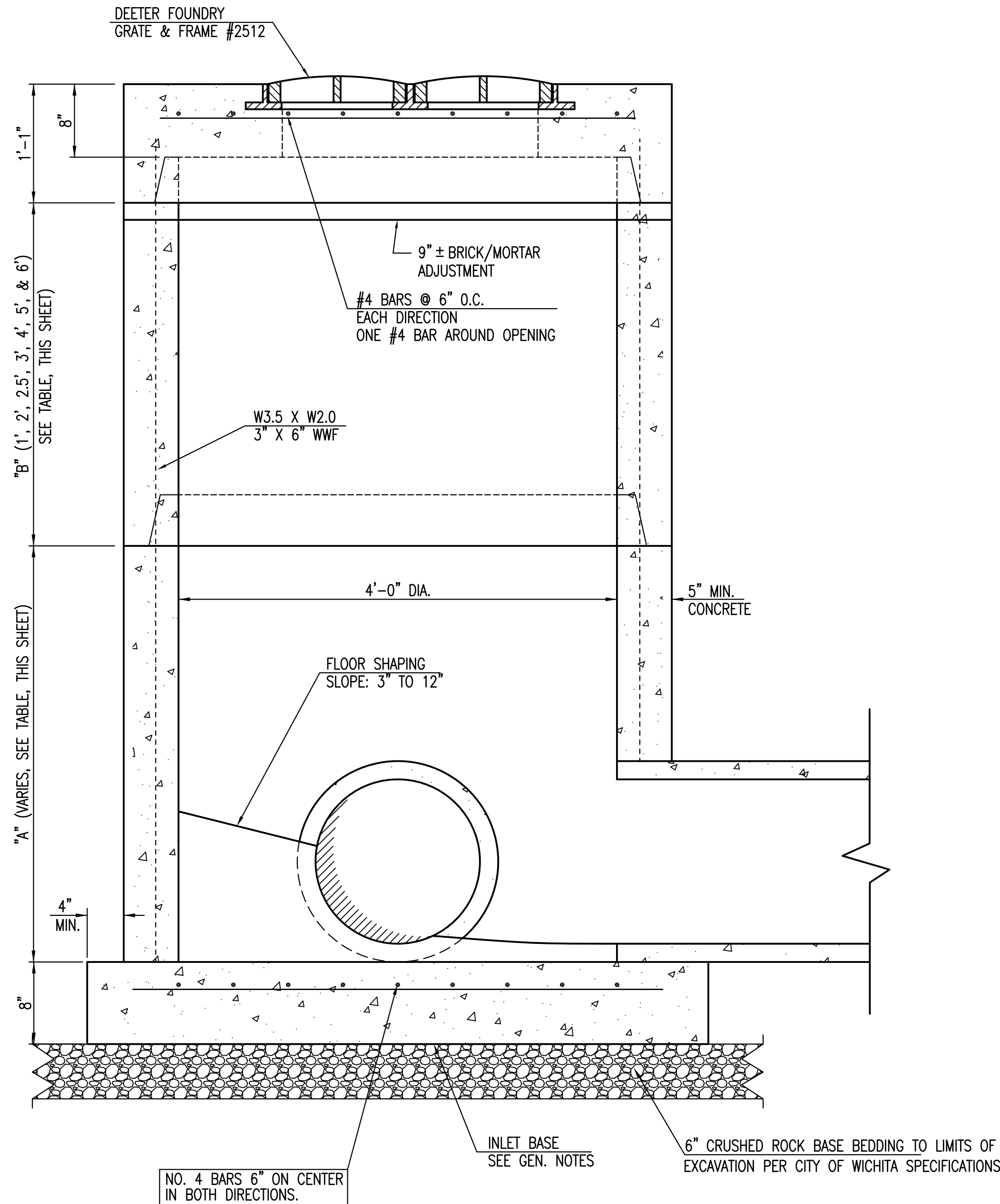


GENERAL NOTES

1. CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
2. CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OF THIS INLET WHEN W=5'-0" AND H=7'-0" OR LESS.
3. INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
4. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.
5. INLET FRAME AND COVER TO BE DEETER #2014, EJIW #1936-Z4, OR APPROVED EQUAL, SEE SW-303.
6. 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.

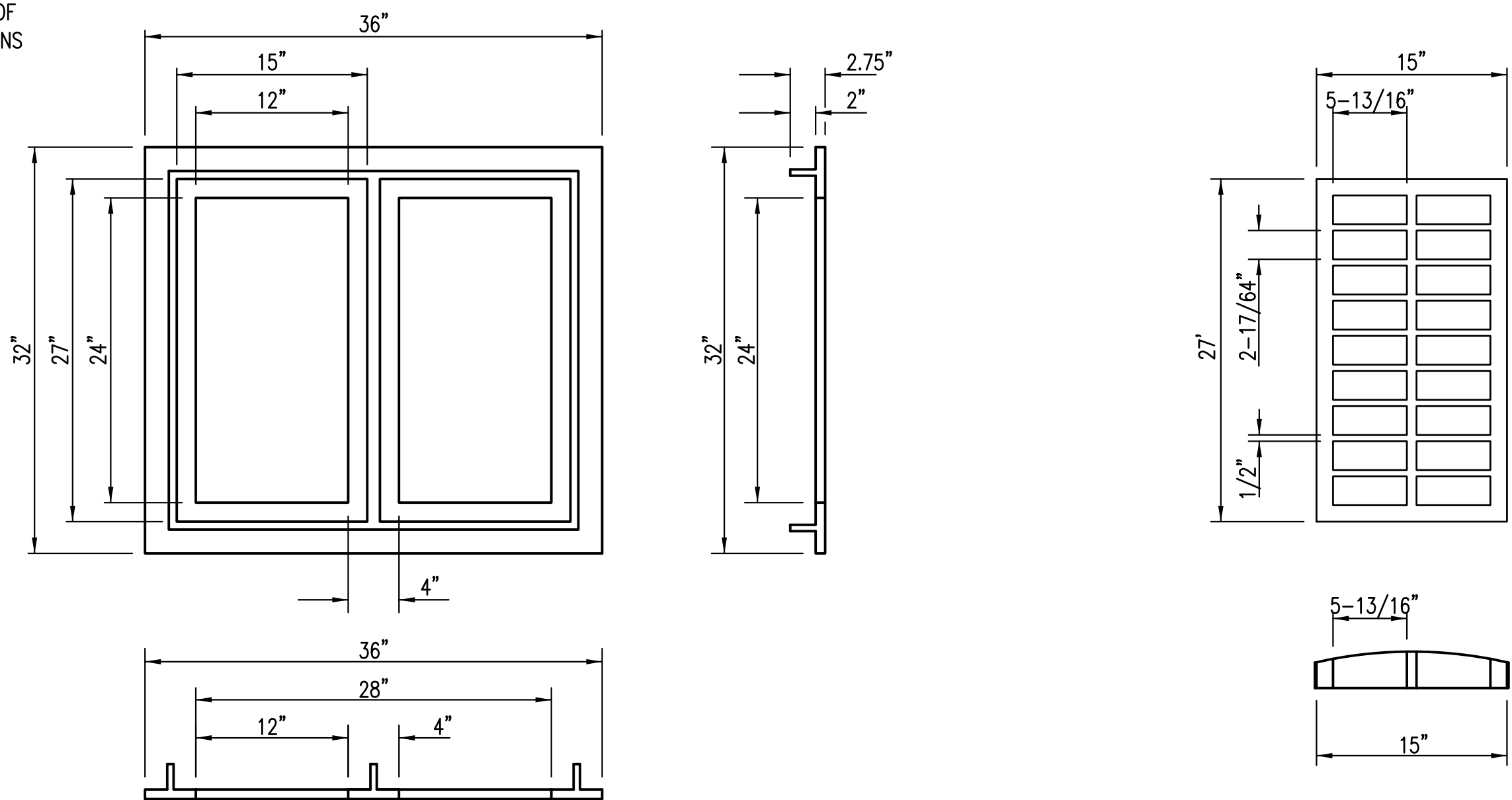
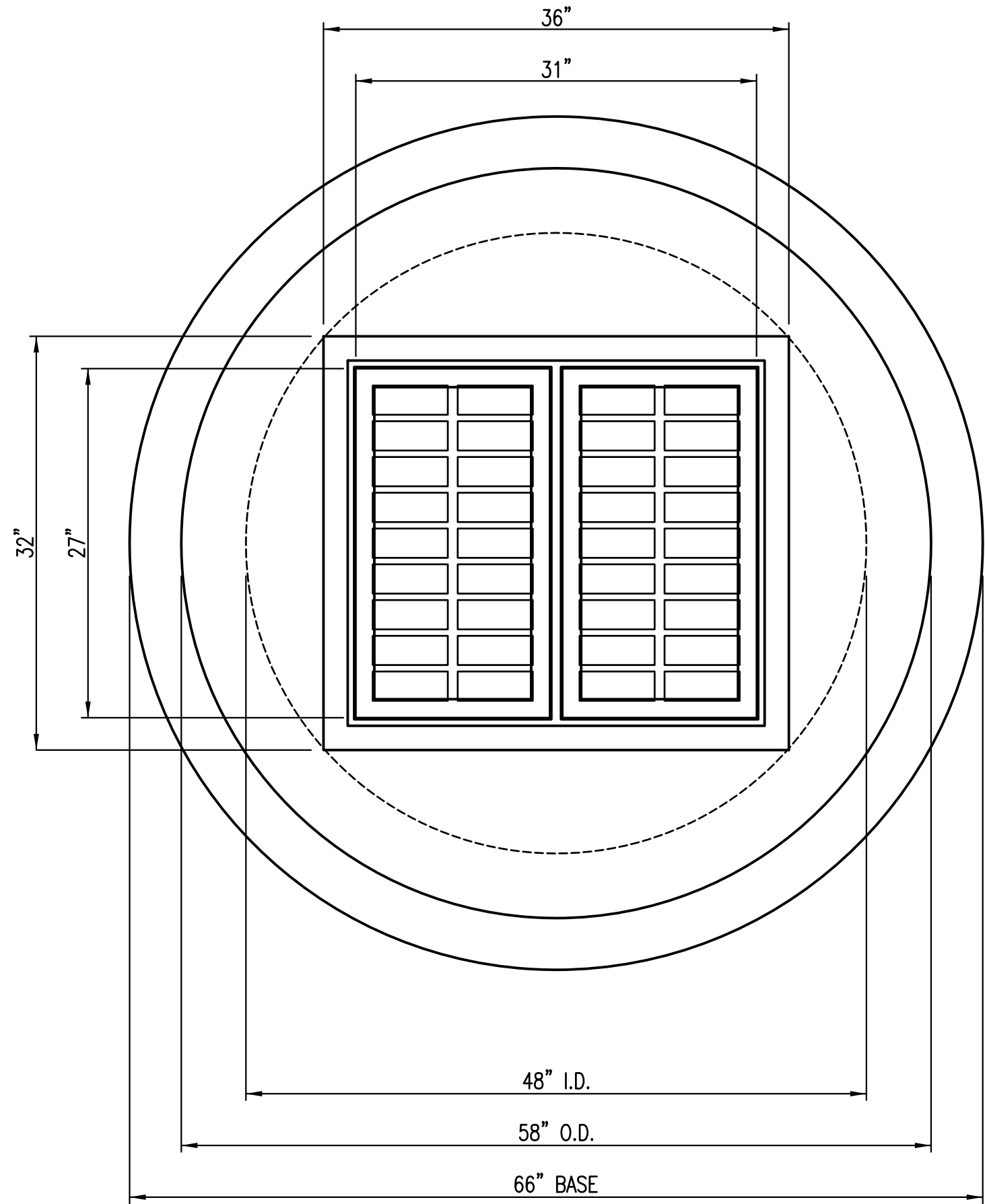
REVISION MAY 2017		UPDATED SET BACK DIMENSION ON TOP VIEW	
 CITY OF WICHITA PUBLIC WORKS & UTILITIES ENGINEERING DIVISION			
STANDARD TYPE 1A CURB INLET 5'-0" OR 10'-0" OPENING			
CITY ENGINEER GARY JANZEN, P.E.			
PROJECT NUMBER	OCA NUMBER	DATE	
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 28 of 33	

BACKYARD INLETS SHALL NOT BE USED UNDER PAVEMENT



BACKYARD INLET

LINE #	STA.	TOP OF INLET	INLET FLOW	"A"	"B"
1	0+50.90	1336.50	1330.18	4.53	1.00
1	2+00.90	1336.50	1330.41	4.30	1.00
1	5+92.50	1336.50	1331.05	4.66	--
1	10+23.40	1339.00	1332.02	4.15	2.00
2	3+20.20	1337.90	1334.90	2.10	--
3	2+30.60	1338.60	1332.94	2.78	2.00
3	5+50.80	1338.90	1334.51	2.49	1.00
3	6+90.20	1338.90	1335.14	2.86	--
4	0+59.50	1337.00	1331.21	3.96	1.00
4	1+67.60	1336.80	1331.53	3.44	1.00
4	3+79.50	1336.50	1331.96	3.71	--
4	5+32.30	1337.00	1332.92	3.20	--
4	6+81.90	1337.00	1333.84	2.26	--
4	9+29.70	1338.00	1335.27	1.83	--
4	11+27.00	1339.00	1336.02	2.08	--
4B	3+14.30	1338.70	1335.04	2.76	--



DEETER #2512 CATCH BASIN INLET GRATE & FRAME

GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- JOINTS BETWEEN INLET SECTIONS TO BE SEALED WITH TWO WRAPS OF EXTRUDED BUTYL RUBBER JOINT MASTIC MEETING CITY OF WICHITA TYPE "A" MANHOLE SPECIFICATIONS.
- BACKYARD INLETS SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH. ALL STANDARD BACKYARD INLET DIAMETERS WILL BE 4'.
- 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



BACKYARD INLET

CITY ENGINEER

GARY JANZEN, P.E.

PROJECT NUMBER

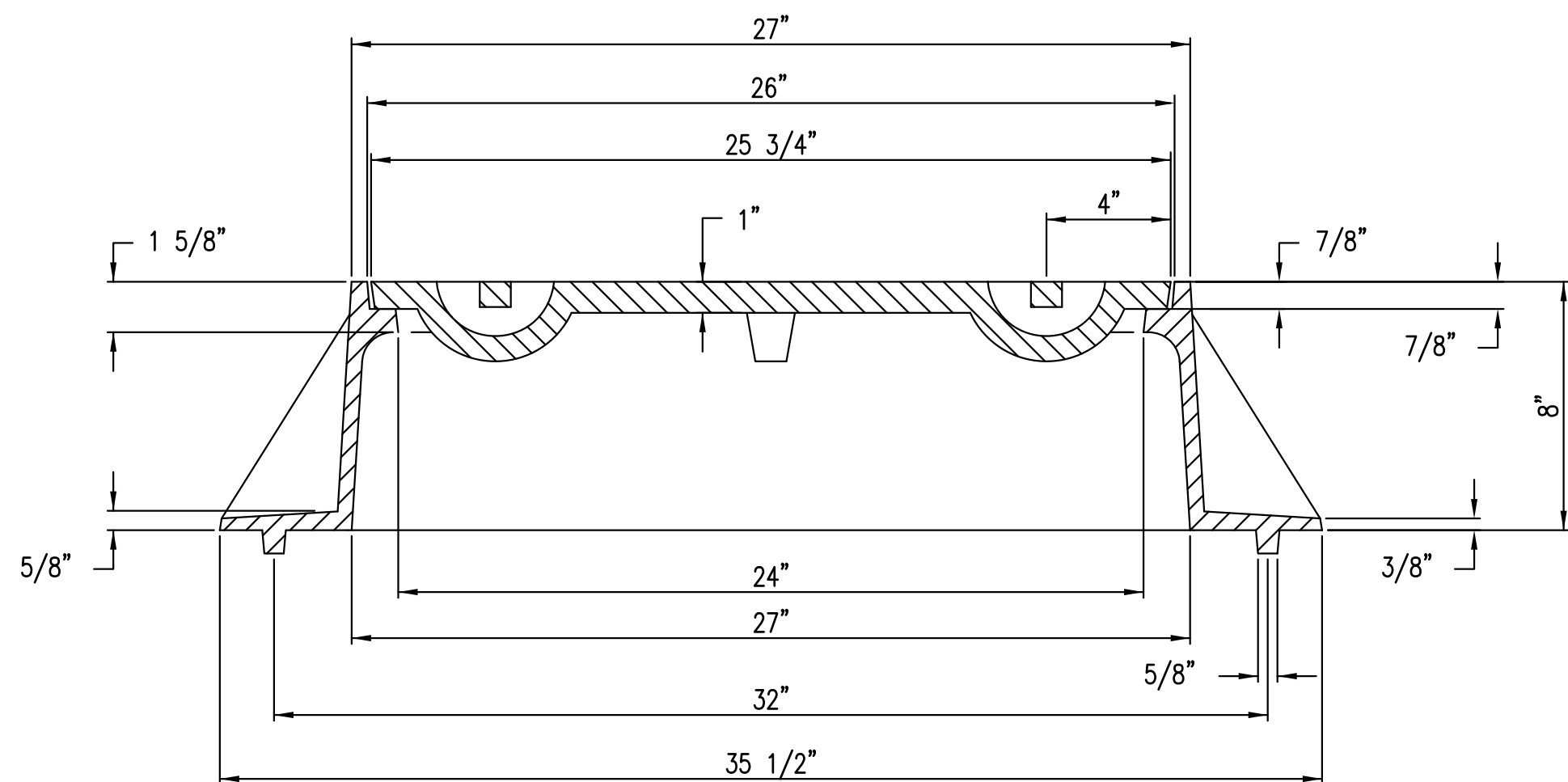
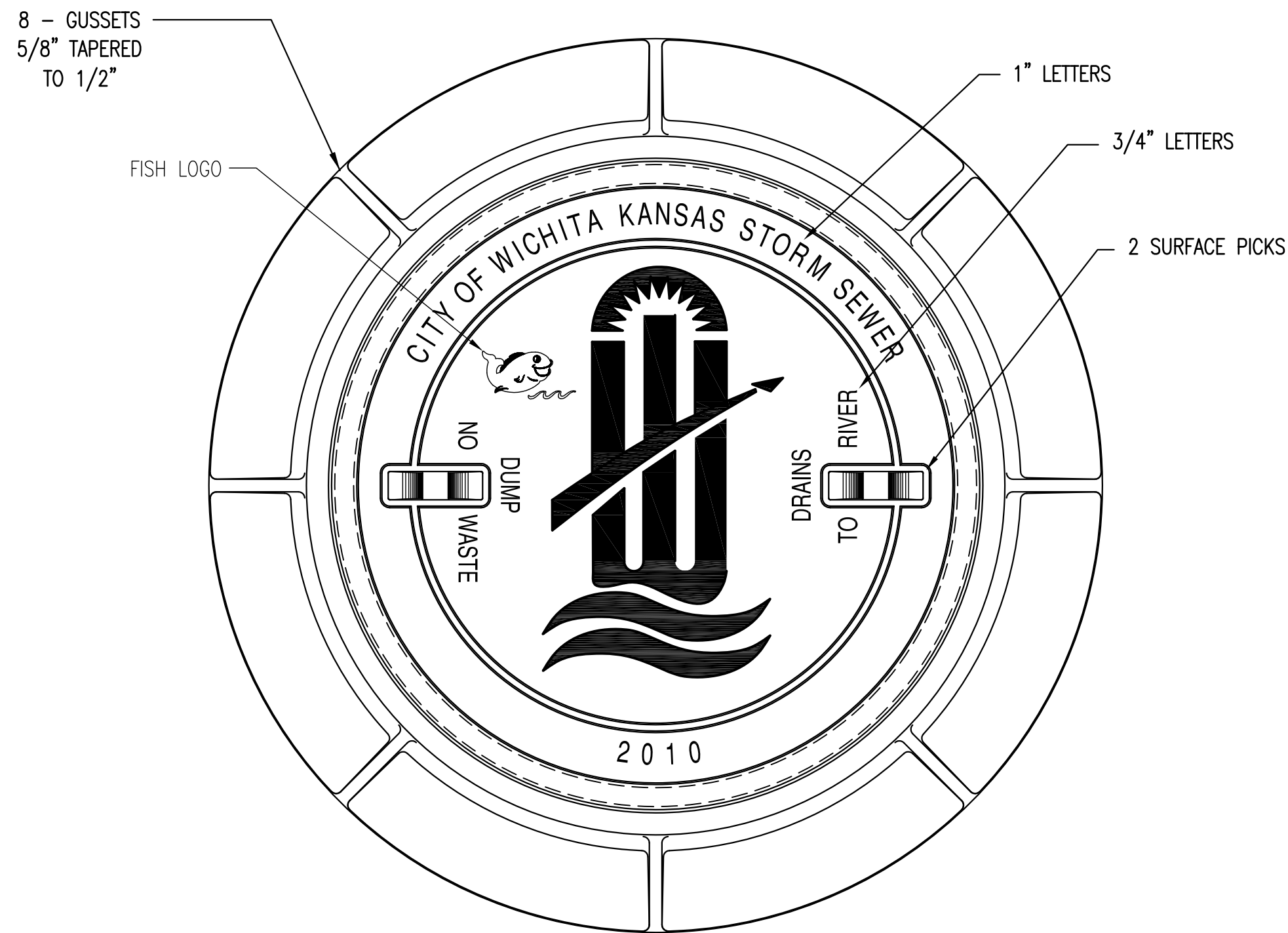
OCA NUMBER

DATE

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

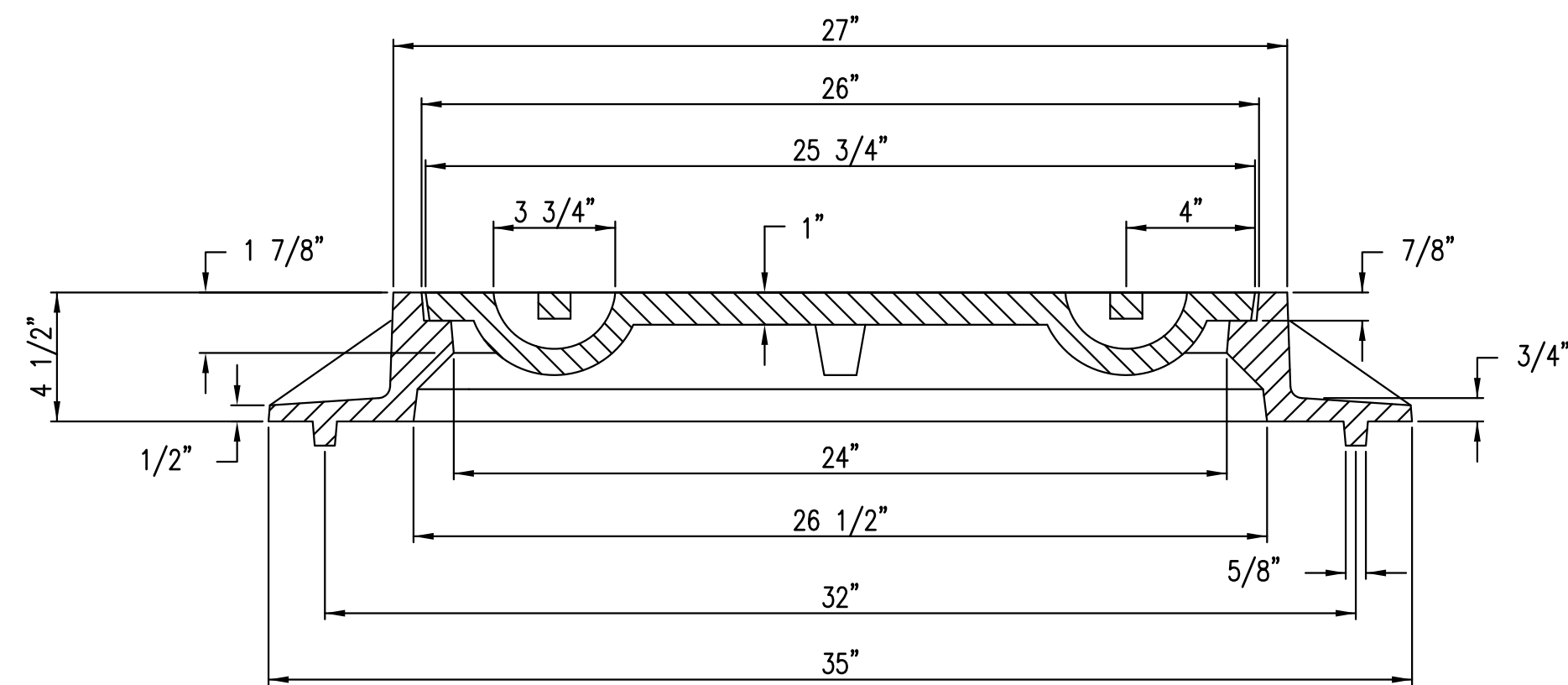
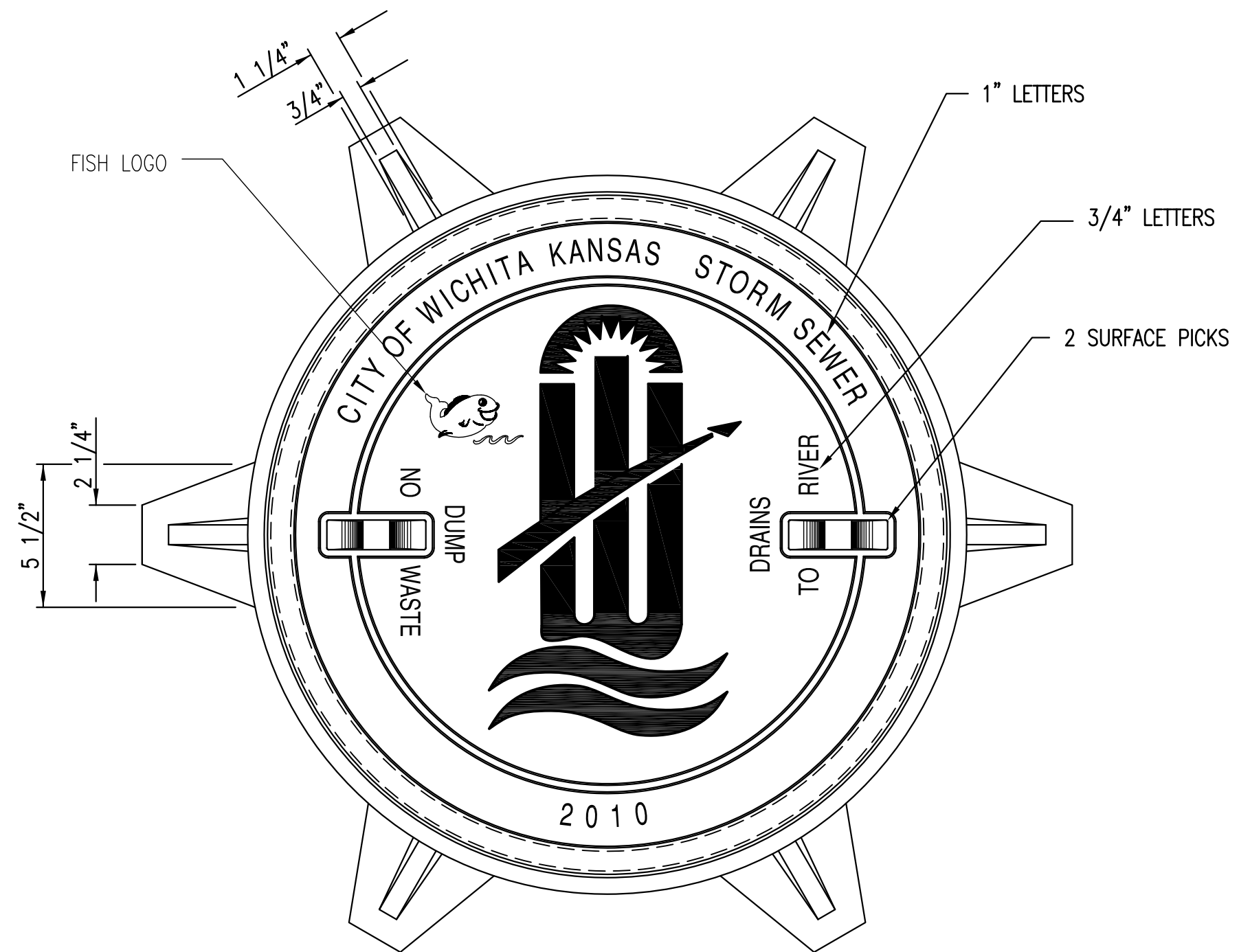
SHEET

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MANHOLE FRAME
DEETER #1261 OR EJIW #1936-Z1

- NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
 2. COVER TO BE DEETER #1261 OR EJIW #1936A.



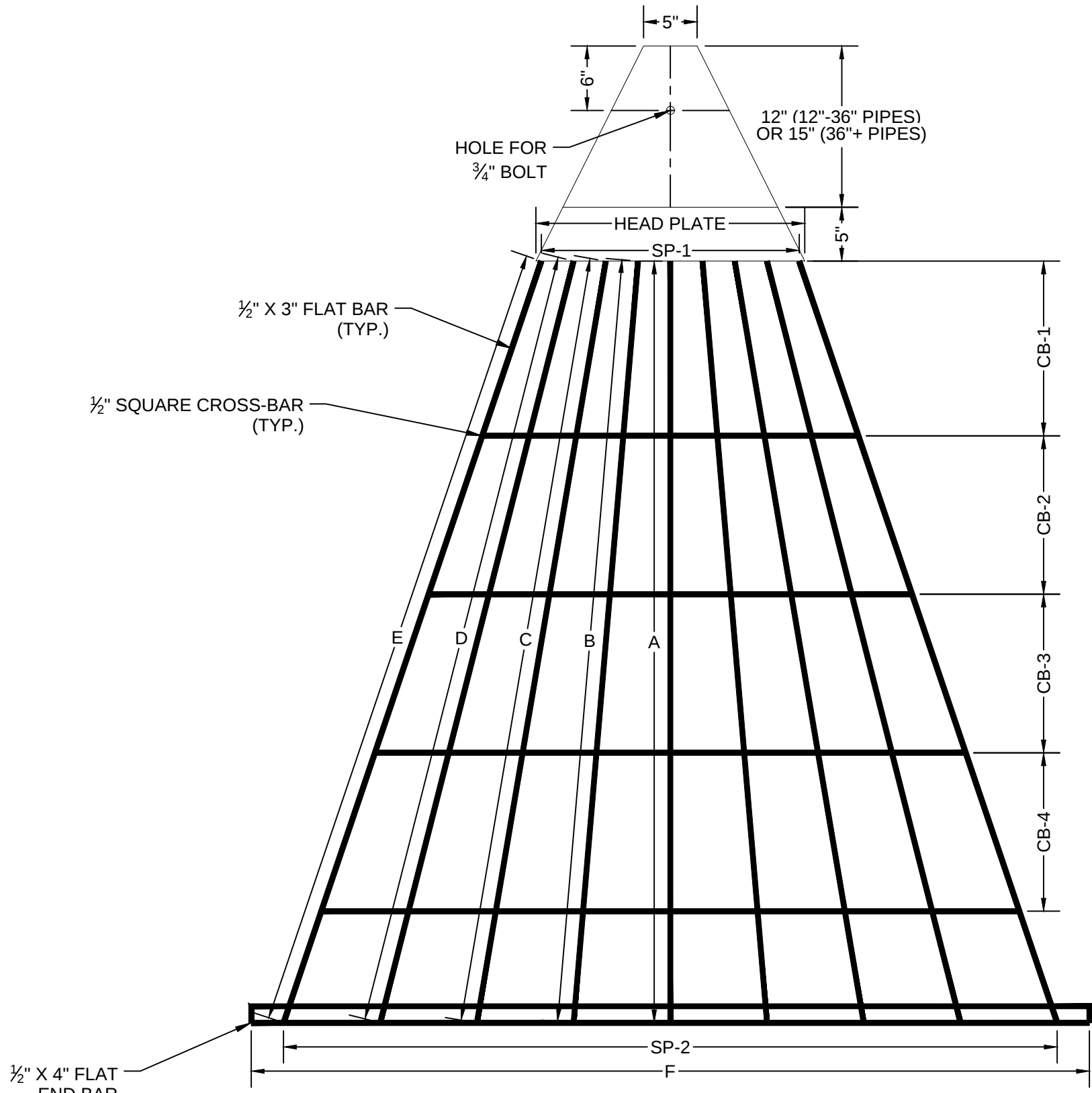
INLET FRAME
DEETER #2014 OR EJIW #1936-Z4

- NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.
 2. NOT TO BE USED UNDER PAVEMENT.
 3. COVER TO BE DEETER #1261 OR EJIW #1936A.

 CITY OF WICHITA PUBLIC WORKS & UTILITIES ENGINEERING DIVISION			MANHOLE/INLET FRAME AND COVER (STORM SEWER)		
			CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE	11/2010		
CITY ENGINEER'S OFFICE			SHEET		
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501			30 of 33		

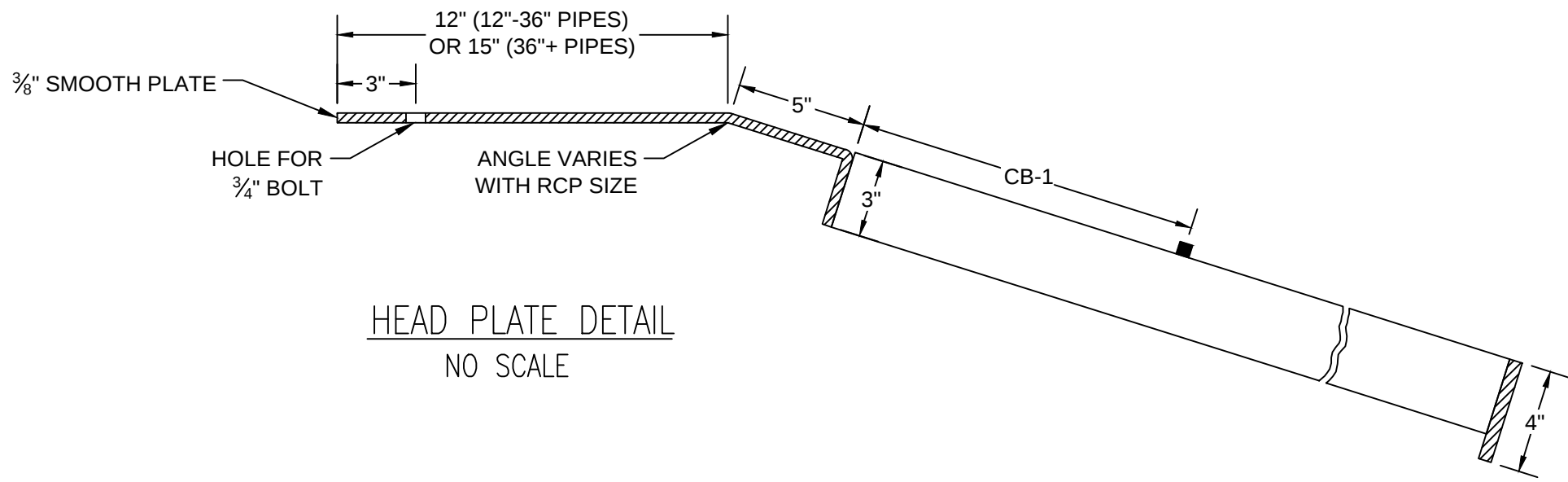
GRATE DIMENSIONS

PIPE SIZE	HEAD PLATE	A	B	C	D	E	F	CB-1	CB-2	CB-3	CB-4	SP-1	SP-2
12"	13"	19¼"	19¾"	—	—	—	27"	10¾"	—	—	—	3@4"	3@6"
15"	13"	23½"	25¼"	—	—	—	34"	10¾"	—	—	—	3@4"	3@8"
18"	13"	25"	26½"	—	—	—	40"	12½"	—	—	—	3@4"	3@9"
24"	17"	41½"	42½"	43½"	—	—	53"	12"	15"	—	—	4@4"	4@9"
30"	19"	51½"	52½"	53½"	—	—	65"	16¼"	11¾"	12"	—	2@3"+3@4"	5@9"
36"	21"	60½"	61½"	62½"	—	—	78"	18⅝"	14¼"	16"	—	2@2"+4@4"	6@9"
42"	22"	65½"	66½"	67¾"	68¾"	—	86"	13¾"	12⅝"	13"	11¾"	7@3"	7@9"
48"	25"	70⅞"	71"	71¾"	73"	74½"	90"	16¼"	14¾"	14¾"	14¾"	8@3"	8@9"
54"	26"	71¾"	73"	74½"	74¾"	76¾"	96"	6⅞"	20⅞"	17⅞"	15⅝"	4@2¾"+5@3"	9@9"
60"	28"	61⅞"	61¾"	62¾"	64½"	66⅝"	102"	12"	12"	11½"	13"	2@2"+8@3"	10@9"

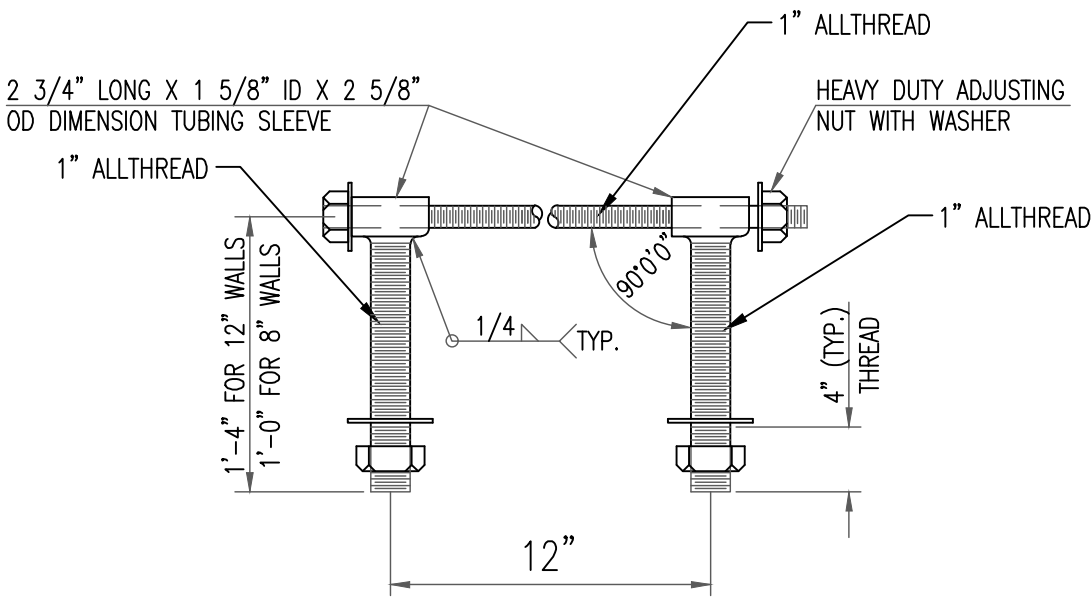


END GRATE DETAIL
NO SCALE

NOTE: GRATE TO BE USED AS DIRECTED BY THE CITY OF WICHITA.

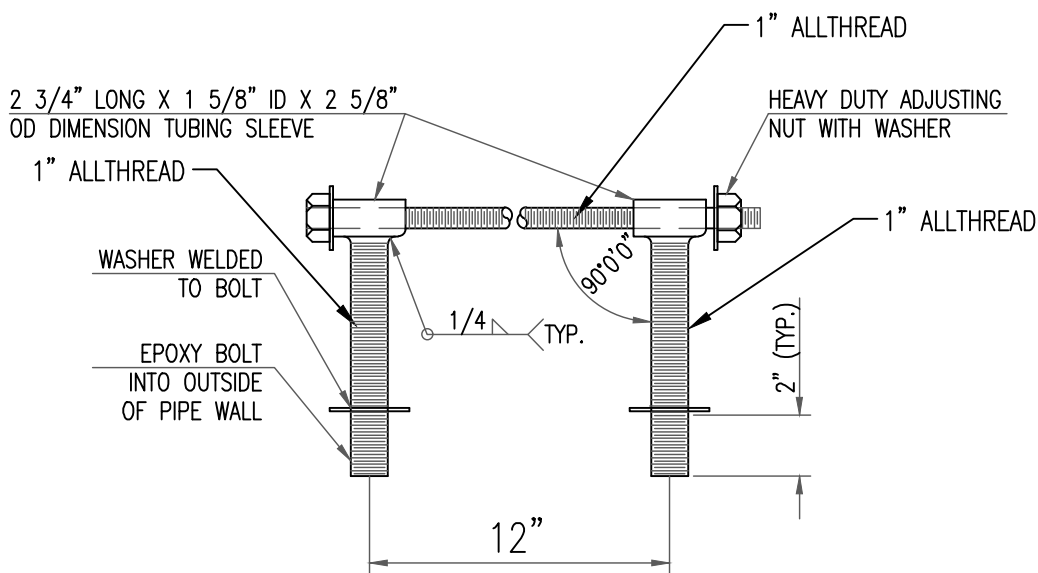


HEAD PLATE DETAIL
NO SCALE



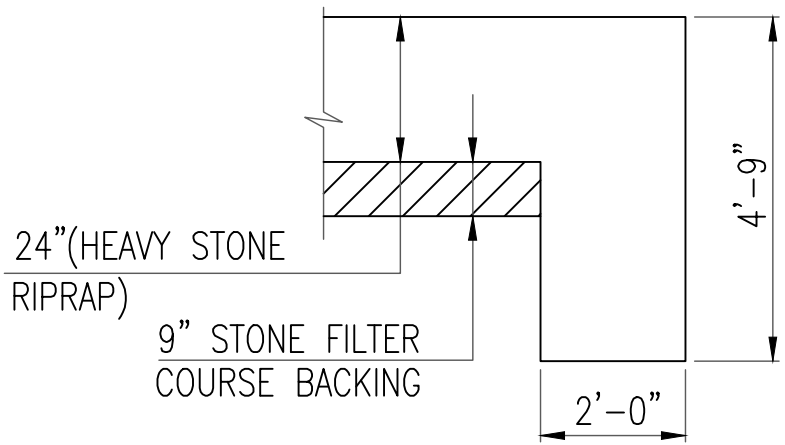
HEAVY DUTY (H.D.) COUPLER(≥36")
NO SCALE

- NOTES
1. BOLTS TO BE A-36 1 1/2" DIAMETER.
 2. BOLTS, NUTS, WASHERS AND SLEEVES TO BE ZINC PLATED.
 3. WASHERS TO BE 3 1/2" O.D. X 7 GAUGE.
 4. SHIP WITH NUTS AND WASHERS PLACED ON BOLTS.



HEAVY DUTY (H.D.) COUPLER(≤30")
NO SCALE

- NOTES
1. BOLTS TO BE A-36 1 1/2" DIAMETER.
 2. BOLTS, NUTS, WASHERS AND SLEEVES TO BE ZINC PLATED.
 3. WASHERS TO BE 3 1/2" O.D. X 7 GAUGE.
 4. SHIP WITH NUTS AND WASHERS PLACED ON BOLTS.

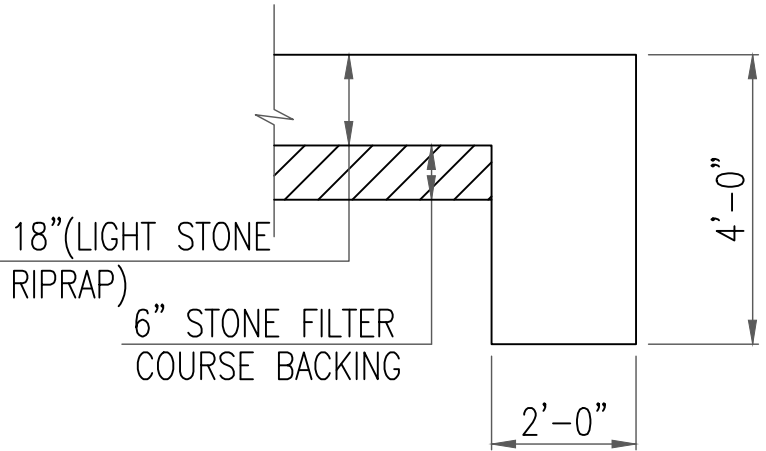


TYPICAL SECTION THRU TOEWALL
NO SCALE

NOTES

1. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER BROKEN CONCRETE, FABRIC ENVELOPE, NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED, UNLESS INDICATED OTHERWISE.
2. TOEWALLS SHALL BE INSTALLED ALONG ALL UNPROTECTED EDGES OF STONE RIPRAP.
3. GROUTING OF THE SURFACE OF THE RIPRAP SHALL NOT BE PERFORMED, UNLESS INDICATED OTHERWISE. GROUTING OF THE TOEWALLS SHALL BE PERFORMED PER CITY SPECIFICATIONS.

HEAVY STONE RIPRAP DETAILS

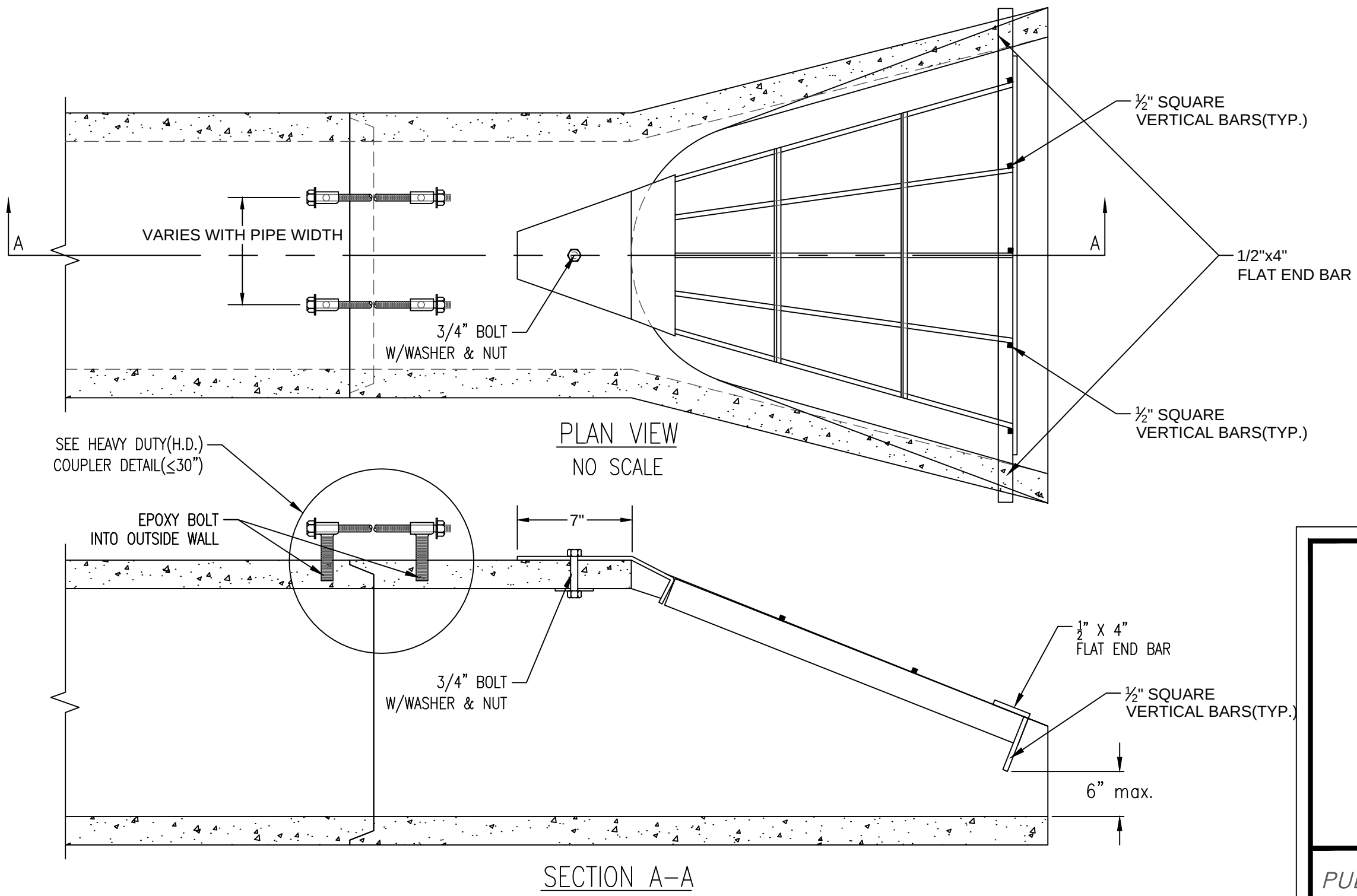
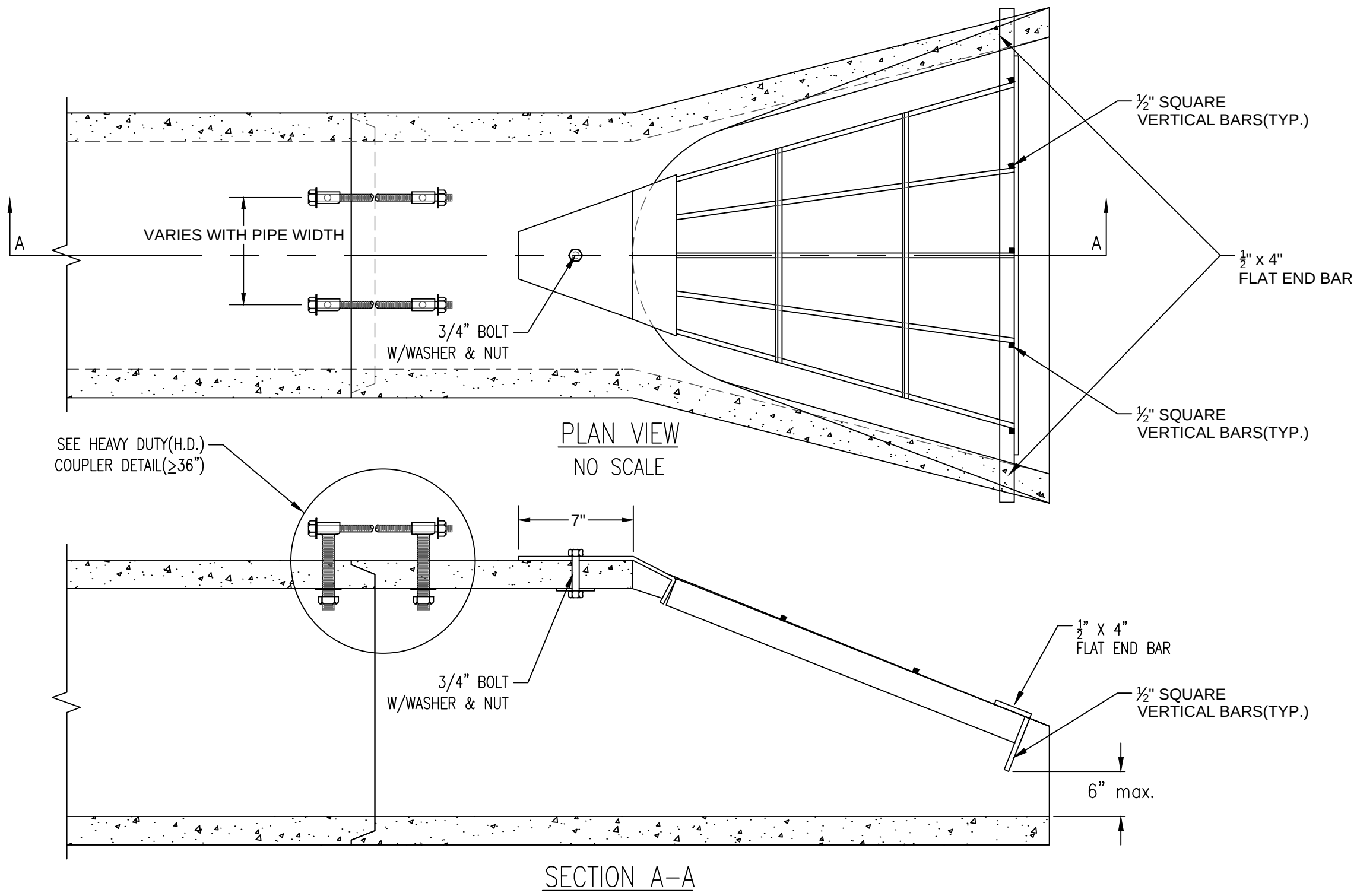


TYPICAL SECTION THRU TOEWALL
NO SCALE

NOTES

1. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER BROKEN CONCRETE, FABRIC ENVELOPE, NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED, UNLESS INDICATED OTHERWISE.
2. TOEWALLS SHALL BE INSTALLED ALONG ALL UNPROTECTED EDGES OF STONE RIPRAP.
3. GROUTING OF THE SURFACE OF THE RIPRAP SHALL NOT BE PERFORMED, UNLESS INDICATED OTHERWISE. GROUTING OF THE TOEWALLS SHALL BE PERFORMED PER CITY SPECIFICATIONS.

LIGHT STONE RIPRAP DETAILS



END SECTION, PIPE
RESTRAINT COUPLER
& END GRATE

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
		01/2015
CITY ENGINEER'S OFFICE	DESIGN	DRAWN
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		
SHEET 31 of 33		

BENCHMARKS
BM #1: Mag nail w/ "Baughman"
76.72' N & 33.93' W of the NW
Cor. Res. "A", Midland Baptist
Church 3rd Add,
Elev. = 1339.80 NAVD88

BM #2: Square with cross cut top
of Inlet. East line of "Res. J" North
Forty Fifth Addition
Elev. = 1338.03 NAVD88

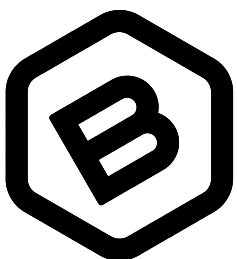
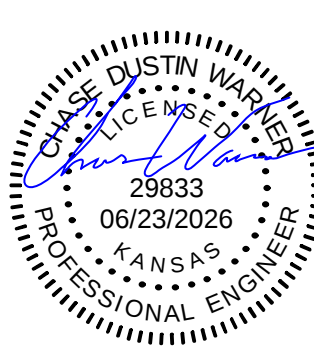
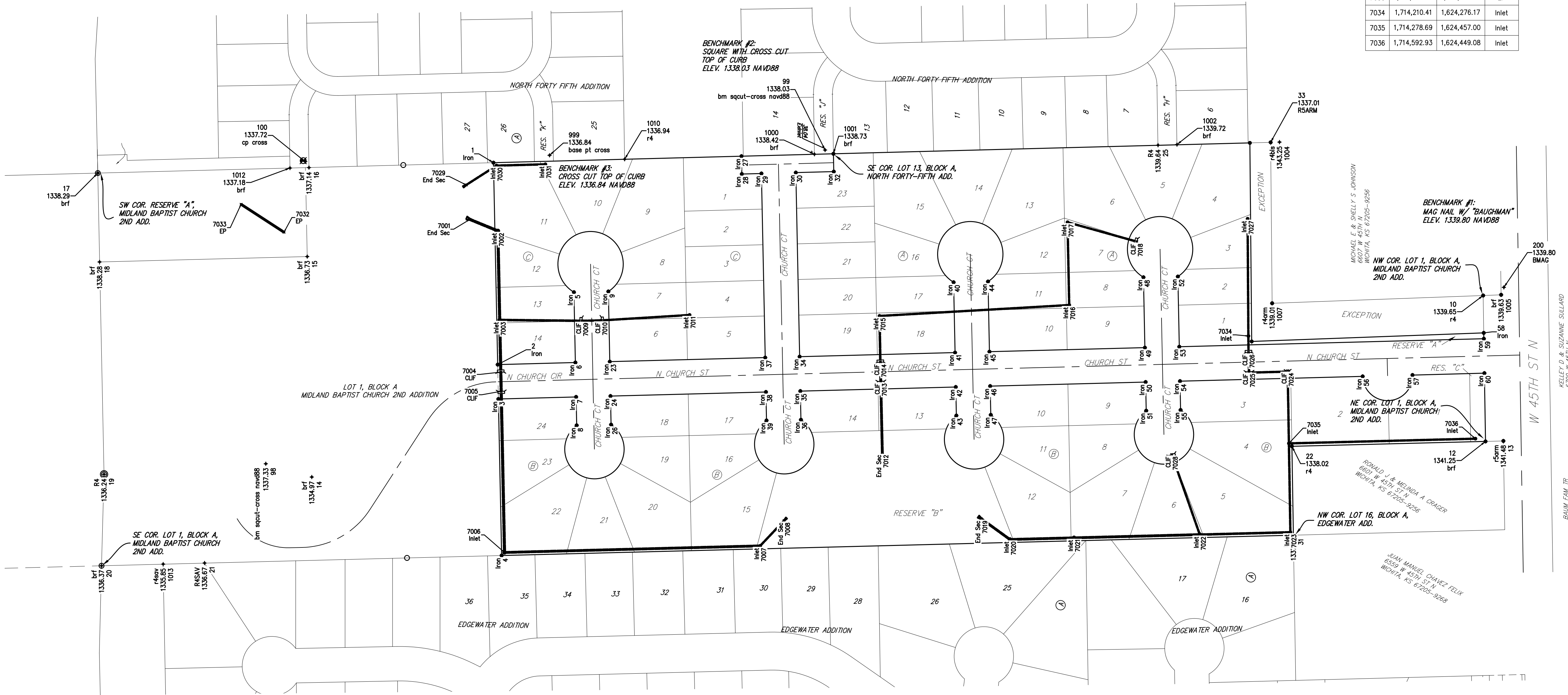
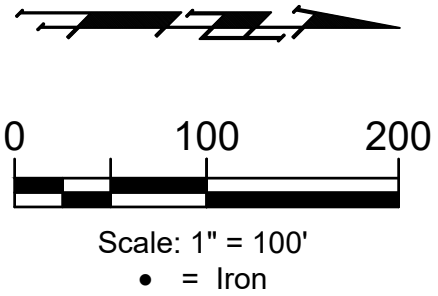
BM #3: Cross cut top of curb. 10'
W of the East line of "Res. K",
North Forty Fifth Addition
Elev. = 1336.84 NAVD88

IRONS			
Point	Northing	Easting	Desc
1	1,712,938.37	1,623,984.36	Iron
2	1,712,945.40	1,624,324.29	Iron
3	1,712,946.60	1,624,382.27	Iron
4	1,712,952.05	1,624,645.78	Iron
5	1,713,073.90	1,624,202.46	Iron
6	1,713,076.35	1,624,320.86	Iron
7	1,713,077.55	1,624,378.85	Iron
8	1,713,078.54	1,624,426.59	Iron
9	1,713,131.89	1,624,201.26	Iron
23	1,713,134.33	1,624,319.34	Iron
24	1,713,135.53	1,624,377.33	Iron
26	1,713,136.53	1,624,425.39	Iron
27	1,713,356.23	1,623,973.42	Iron
28	1,713,356.85	1,624,003.41	Iron
29	1,713,389.84	1,624,002.55	Iron
30	1,713,447.82	1,624,001.03	Iron
32	1,713,511.79	1,623,999.36	Iron
34	1,713,454.23	1,624,310.97	Iron
35	1,713,455.43	1,624,368.96	Iron
36	1,713,456.43	1,624,417.18	Iron
37	1,713,396.25	1,624,312.48	Iron
38	1,713,397.45	1,624,370.47	Iron
39	1,713,398.44	1,624,418.38	Iron
40	1,713,713.69	1,624,185.71	Iron
41	1,713,716.14	1,624,304.11	Iron
42	1,713,717.34	1,624,362.10	Iron
43	1,713,718.34	1,624,410.17	Iron
44	1,713,771.68	1,624,184.51	Iron
45	1,713,774.12	1,624,302.59	Iron
46	1,713,775.32	1,624,360.58	Iron

IRONS			
Point	Northing	Easting	Desc
47	1,713,776.32	1,624,408.97	Iron
48	1,714,033.59	1,624,177.34	Iron
49	1,714,036.04	1,624,295.74	Iron
50	1,714,037.24	1,624,353.72	Iron
51	1,714,038.24	1,624,401.96	Iron
52	1,714,091.58	1,624,176.14	Iron
53	1,714,094.02	1,624,294.22	Iron
54	1,714,095.22	1,624,352.21	Iron
55	1,714,096.22	1,624,400.76	Iron
56	1,714,403.02	1,624,344.15	Iron
57	1,714,486.99	1,624,341.95	Iron
58	1,714,607.06	1,624,270.95	Iron
59	1,714,607.22	1,624,280.78	Iron
60	1,714,608.15	1,624,338.78	Iron

CONTROL POINTS				
Point	Northing	Easting	Elev.	Desc
10	1,714,606.04	1,624,207.96	1339.65	r4
11	1,714,636.28	1,624,206.82	1339.57	r5
12	1,714,610.01	1,624,453.66	1341.25	brf
13	1,714,640.10	1,624,452.90	1341.48	r5arm
14	1,712,632.11	1,624,513.68	1334.97	brf
15	1,712,624.47	1,624,142.39	1336.73	brf
16	1,712,627.42	1,623,992.58	1337.14	brf
17	1,712,271.53	1,624,001.82	1338.29	brf
18	1,712,274.60	1,624,151.53	1338.28	brf
19	1,712,282.02	1,624,509.10	1336.24	R4
20	1,712,277.81	1,624,663.08	1336.37	brf
21	1,712,451.46	1,624,658.45	1336.67	R4SAV
22	1,714,283.77	1,624,461.87	1338.02	r4
25	1,714,058.21	1,623,954.86	1339.64	R4
31	1,714,286.27	1,624,611.54	1337.01	R4
33	1,714,247.92	1,623,950.08	1337.01	R5ARM
98	1,712,554.64	1,624,491.30	1337.33	bm sqcut-cross navd88
99	1,713,497.08	1,623,962.98	1338.03	bm sqcut-cross navd88
100	1,712,621.15	1,623,982.62	1337.72	cp cross
200	1,714,640.98	1,624,194.23	1339.80	BMAG
999	1,713,032.86	1,623,971.84	1336.84	base pt cross
1000	1,713,479.13	1,623,970.10	1338.42	brf
1001	1,713,511.13	1,623,969.28	1338.73	brf
1002	1,714,090.06	1,623,953.82	1339.72	brf
1004	1,714,262.84	1,623,949.63	1343.25	r4bls
1005	1,714,636.30	1,624,206.82	1339.63	brf
1007	1,714,250.45	1,624,221.04	1339.01	r4arm
1010	1,713,159.34	1,623,978.53	1336.94	r4
1012	1,712,595.43	1,623,993.31	1337.18	brf
1013	1,712,381.76	1,624,660.31	1335.85	r4sav

SWS POINTS			
Point	Northing	Easting	Desc
7001	1,712,898.62	1,624,079.86	End Sec
7002	1,712,945.74	1,624,099.20	Inlet
7003	1,712,948.84	1,624,249.17	Inlet
7004	1,712,950.66	1,624,336.98	CLIF
7005	1,712,951.32	1,624,369.32	CLIF
7006	1,712,956.94	1,624,640.65	Inlet
7007	1,713,387.70	1,624,629.60	Inlet
7008	1,713,427.96	1,624,587.05	End Sec
7009	1,713,087.73	1,624,250.59	CLIF
7010	1,713,120.06	1,624,249.88	CLIF
7011	1,713,268.74	1,624,240.80	Inlet
7012	1,713,593.57	1,624,472.93	End Sec
7013	1,713,591.12	1,624,352.57	CLIF
7014	1,713,590.26	1,624,320.24	CLIF
7015	1,713,588.84	1,624,242.42	Inlet
7016	1,713,908.53	1,624,224.05	Inlet
7017	1,713,905.65	1,624,084.67	Inlet
7018	1,714,022.38	1,624,117.28	CLIF
7019	1,713,760.39	1,624,583.89	End Sec
7020	1,713,808.63	1,624,618.80	Inlet
7021	1,713,916.64	1,624,616.03	Inlet
7022	1,714,128.53	1,624,610.59	Inlet
7023	1,714,281.19	1,624,606.67	Inlet
7024	1,714,276.63	1,624,334.62	CLIF
7025	1,714,211.47	1,624,336.33	CLIF
7026	1,714,210.63	1,624,304.00	CLIF
7027	1,714,209.11	1,624,078.83	Inlet
7028	1,714,081.22	1,624,475.74	CLIF
7029	1,712,892.45	1,624,021.78	End Sec
7030	1,712,943.44	1,623,989.23	Inlet
7031	1,713,025.73	1,623,987.07	Inlet
7032	1,712,585.36	1,624,101.43	EP
7033	1,712,513.05	1,624,054.43	EP
7034	1,714,210.41	1,624,276.17	Inlet
7035	1,714,278.69	1,624,457.00	Inlet
7036	1,714,592.93	1,624,449.08	Inlet



BAUGHMAN
COMPANY

315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

MIDLAND BAPTIST CHURCH
3RD ADDITION

COORDINATES

STORM WATER DRAIN
IMPROVEMENTS

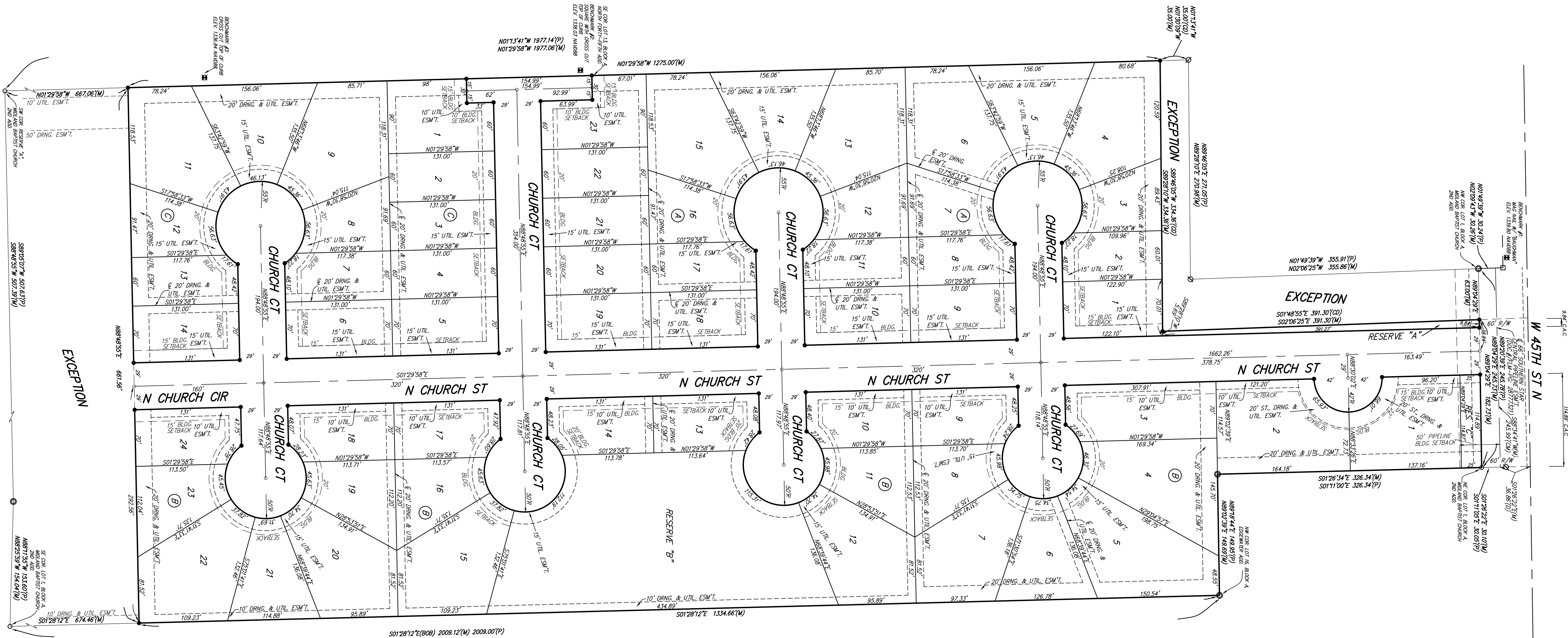
PROJECT NUMBER:
458-2026-085646

DESIGN: CDW DRAWN: JAK

DATE: April 29, 2026

SHEET OF
32 33

**MIDLAND BAPTIST CHURCH 3RD /
WICHITA, SEDGWICK COUNTY, KANSAS**



BUILDING SETBACK NOTE:
ALL LOTS WITH THE BUILDING SHALL HAVE A FOOT SIDE YARD BUILDING SETBACK.

DRAINAGE PLAN NOTES:
A master drainage plan has been developed for this plot. All drainage easements, rights-of-way, and reserves shall remain at their original location. The existing drainage pattern (unless modified with the proposed building) shall remain undisturbed to allow for the conveyance of stormwater in accordance with the Stormwater Management Ordinance. Any changes to the existing stormwater management system shall be the responsibility of the property owner, and shall be entered by the Homeowners Association covenants.

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES		
LOT	BLOCK	ELEVATION
12-15	B	1283.0
13-12	C	1283.0
14-12	C	1283.5

BUILDING SETBACK NOTE:
ALL LOTS WITHIN THE MOULDEN BUILDING SETBACK ZONATION DISTRICT SHALL BE SET BACK FROM THE FRONT YARD BUILDING SETBACK.

DRAINAGE PLAN NOTE:
A master drainage plan has been developed for this plot. All drainage easements, as shown on this plan, shall be subject to approval by the Department of the City Engineer) and shall be undertaken in accordance with the Stormwater Manual. The maintenance of all drainages and drainage facilities in backyard drainage easement areas shall be the responsibility of the property owner, and shall be enforced by the Homeowners' Association and provided for in the Homeowners' Association covenants.

GROUNDWATER NOTE:
The property is within a zone identified by the City Engineer's office as likely to have groundwater at some or all times within ten feet of the ground surface elevations. Building with specially-engineered foundations or with the lowest floor opening above groundwater is recommended and owners seeking building permits on this property will be similarly advised. More detailed information on recorded groundwater elevations in the vicinity of this groundcover is available in the City Engineer's office.

State of Kansas) SS
Sequoyia County, Kansas) We, Baughman Company, P.A., Surveyors in
addressed county and state do hereby certify that we have surveyed and
described W02AD and BAPTIST CHURCH 3RD ADDITION¹, Wichita, Sequoyia
County, Kansas and find the accompanying plat is a true and correct
survey.

A Midland Baptist Church and Addition, Sequoyia County, Kansas. EXCEPT
that portion of Lot 1, Block A, Midland Baptist Church 2nd Addition,
Sequoyia County, Kansas, described as Beginning at the Northwest corner
of said Lot 1; thence N89°20'39"E, parallel with the South line of said
Lot 1, 63.00 feet; thence S20°49'39"E, parallel with the West line of said
Lot 1, 391.00 feet; thence S89°46'05"W, parallel with a segment of the
North line of Lot 1, 334.35 feet; thence N01°14'41"E, coincident with
the West line of said Lot 1, 35.00 feet, to a detection point in the North
line of said Lot 1; thence N89°46'05"E, to a detection point with the North line
of said Lot 1, 271.02 feet, to a detection point in the North line of said Lot
1, thence S01°49'39"E, coincident with the East line of said Lot 1, Block
A, Midland Baptist Church 2nd Addition, Sequoyia County, Kansas.
As described as Beginning at the Southeast corner of said Lot 1; thence
N89°11'55"S, coincident with the South line of said Lot 1, 153.60 feet to a
detection point in the South line of said Lot 1, and thence S89°05'02"E,
coincident with the South line of said Lot 1, and the South line of said
Reserve "A", 507.63 feet to the Southwest corner of said Reserve "A";
thence S01°15'41"E, coincident with the East line of said Reserve "A";
thence S01°14'41"E, 667.06 feet; thence N89°20'35"E, 661.56 feet to a point in the
East line of said Lot 1; thence S01°07'42"E, coincident with the East line
of said Lot 1, 674.46 feet to the point of beginning. Subject to any road
right-of-ways or record.

Existing public easements and dedications
being recorded by notice of R.S.A. 12-012(a), as amended;
All being situated in the Northwest Quarter of Section
27, Township 28 South, Range 1 West of the Sixth
Principal Meridian, Sequoyia County, Kansas.

Baughman Company, P.A.

Jordan C. Hubbard, P.E., #1680 , Surveyor

Now all men by these presents that we,
the undersigned, have caused the land in the surveyors certificate to be
plotted into Lots, Blocks, Streets and Reserves, to be known as "W02AD AND
BAPTIST CHURCH 3RD ADDITION¹ Wichita, Sequoyia County, Kansas. The
utility easements are hereby granted to the public as indicated for the
construction and maintenance of all public utilities. The drainage and
drainage purposes and for the construction and maintenance of all public
drainage purposes and for the construction and maintenance of all public
utilities. No signs, light poles, power and drainage systems, barriers, walls,
fences, gates, gates, gates, gates, gates, gates, gates, gates, gates, gates,
any easements unless permitted by the City of Wichita Department of
Engineering and that they do not inhibit the convenience of surface
drainage. The drainage easements are hereby granted to the public as
indicated for the construction and maintenance of all public drainage
purposes and for the construction and maintenance of all public drainage
purposes and for the construction and maintenance of all public drainage
purposes, and for the construction and maintenance of all public
utilities. The streets are hereby dedicated to and for the use of the public.
Reserve "A" is hereby reserved for open space, entry monuments,
development, signs, landscaping, drainage purposes, and utilities.
Reserve "B" is reserved for open space, landscaping, drainage
purposes, and utilities. Reserve "C" is reserved for open space, landscaping,
reserved for open space, signage, landscaping, drainage purposes, pipelines
as confined to easements, and utilities as dedicated to easements.
Reserves "A", and "B", shall be owned and maintained by the homeowners
association for the addition. Reserve "C", shall be owned and maintained
by the owner of Lot 1, Block A, Midland Baptist Church 2nd Addition,
Compliance with any plotted restrictions and applicable restrictive
covenants affecting said Reserves shall be binding on any owners,
successors, heirs, or assigns. Access roads shall be depicted on the
plat. All easements shall be depicted on the plat. All easements shall be
The Minimum Building Foot Dimensions for the lowest grading to the
structures shall be as indicated on the face of the plat.

Air Capital Land Company, LLC
or Kansas Limited Liability Company,

State of Kansas) SS The foregoing instrument acknowledged before me, this _____ day of _____, 2026, by Louis J. Robelli, Managing Member of Air Capital Land Company, LLC, a Kansas limited liability company, on behalf of the limited liability company.

This plot of "MILAND BAPTIST CHURCH SRO
ADDITION", Wichita, Sedgewick County, Kansas has been submitted to and
approved by the Wichita-Sedgewick County Metropolitan Area Planning
Commission, Wichita, Kansas.
Dated this _____ day of _____, 2025.
Wichita-Sedgewick County Metropolitan Area Planning Commission

*This plat approved and all dedications
known hereon accepted by the City Council of the City of Wichita
Kansas, this _____ day of _____, 2026.*

*Reviewed in accordance with K.S.A. 58-2005
on this _____ day of _____, 2025.*

Entered on transfer record this _____ day
of _____, 2026.

State of Kansas) SS This is to certify that this plat has been
Seedwick County) the office of the Register of Deeds, this ____ day
of _____, 2026 at ____ o'clock ____ M., and is duly recorded.

We the undersigned holders of a mortgage on the above described property, do hereby consent to this plat of "MIDLAND BAPTIST CHURCH 3RD ADDITION", Wichita, Sedgewick County, Kansas.

State of Kansas) SS The foregoing instrument acknowledged be-
Sedgwick County) fore me, this _____ day of _____, 2026, by _____,
_____, _____ of Peoples Bank and Trust Company, on behalf of the bank
(Title)

_____, Notary Public

MIDLAND BAPTIST CHURCH
3RD ADDITION



BAUGHMAN COMPANY
315 Ellis St. Wichita, KS 67211 316-262-7271
BaughmanCo.com

FOR REFERENCE ONLY