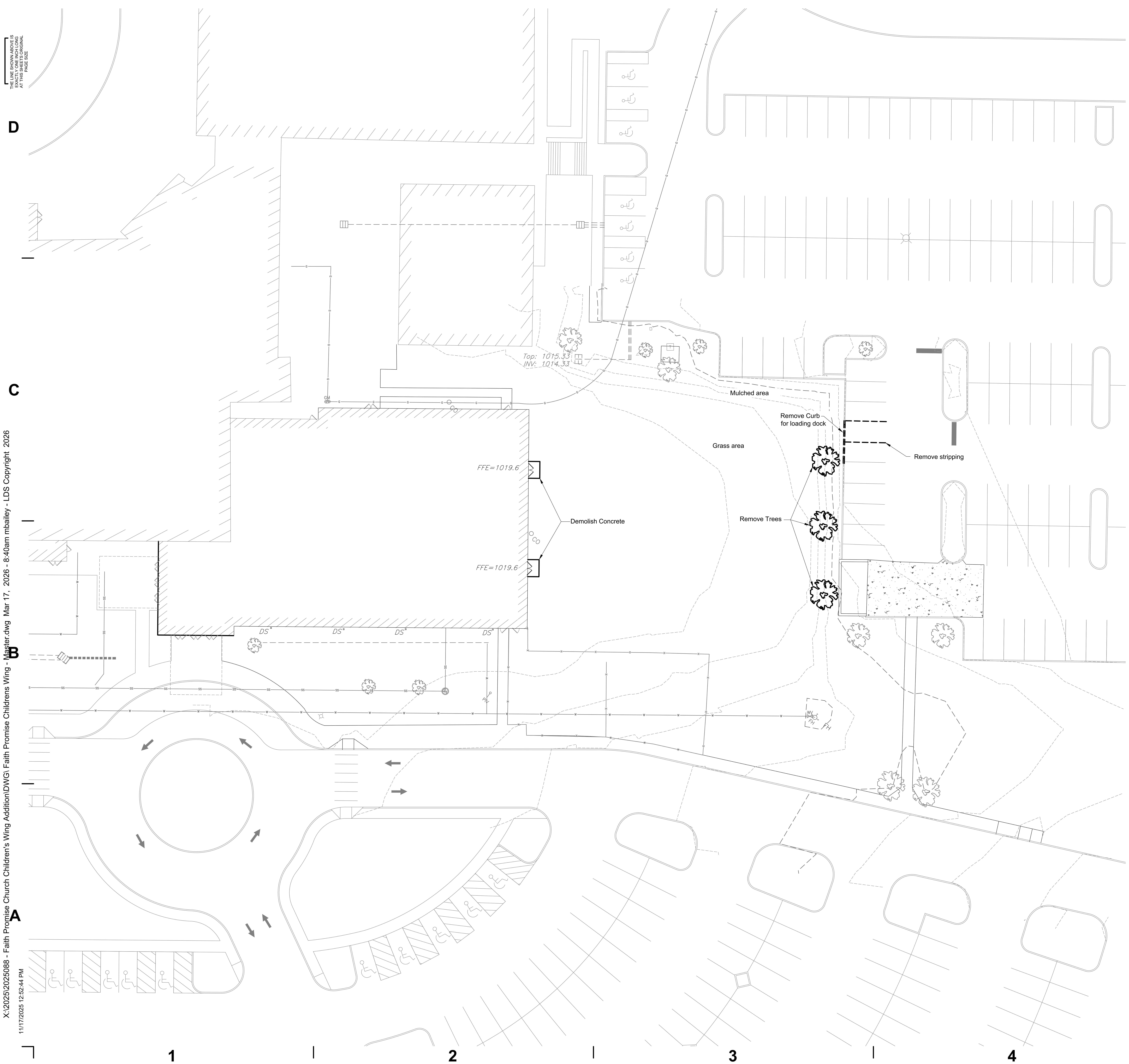


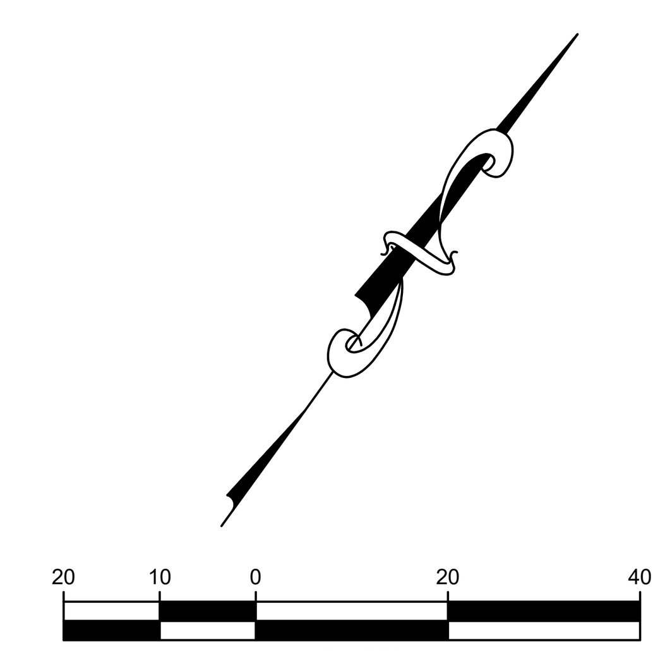
Survey Notes

1. Survey by:
   Land Development Solutions
   310 Simmons Rd STE K,
   Knoxville, TN 37922
   Phone: (865) 671-2281

2. Utility information is based on information obtained from the utility providers. Underground utility locations shown are taken from historical drawings and shall not be relied upon as exact locations. The contractor is responsible for determining the accuracy of this information.

General Demolition Notes

1. The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records and where possible measurements taken in the field. This information is not to be relied upon as being exact or complete. The contractor must call Tennessee One Call and any utility that does not subscribe to one call at least 72 hours before any excavation, to request exact field location of the utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.



ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

CHAD BROWN — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — No. 00107270 — STATE OF TENNESSEE — 3-12-26

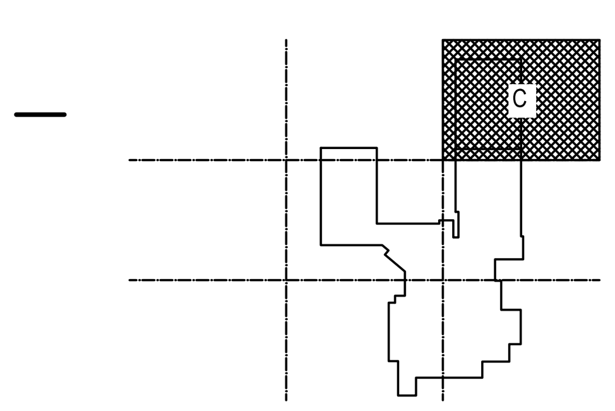
4-B-26-DP

2

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION



SHEET NAME:
Existing Conditions/ Demo Plans

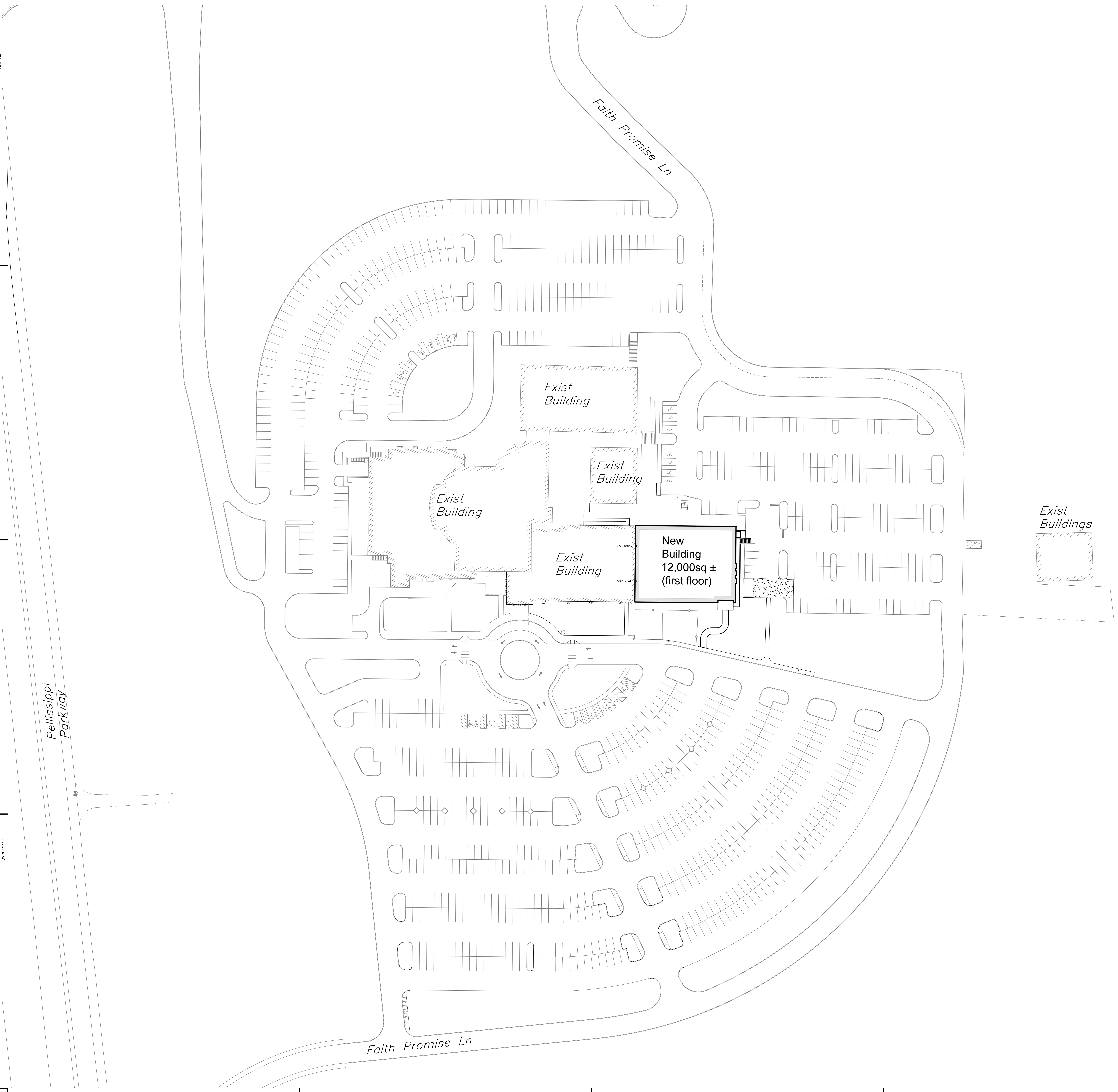
ORIG SUBMISSION: 1/29/2026
CURRENT: 3/12/2026

SHEET:
C001

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PAGE SIZE

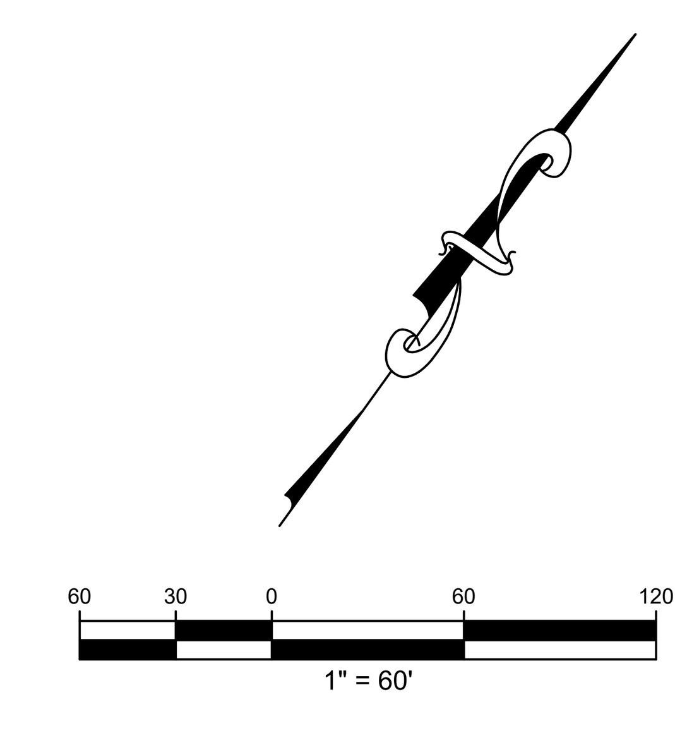
X:\2025\2025088 - Faith Promise Church Children's Wing Addition\DWG\ Faith Promise Childrens Wing - Master.dwg Mar 17, 2026 - 8:40am mbailey - LDS Copyright 2026

11/17/2025 12:52:44 PM



New Impervious Area Calculations

1. Ground Coverage Area (GAC) = 75,947 sf / 2,613,600 sf = 2.9% < 25%
2. Floor Area Ratio (FAR) = 120,690 sf / 2,613,600 sf = 4.6% < 30%
3. Impervious Area Ratio (IAR) = 739,376 sf / 2,613,600 sf = 28% < 70%

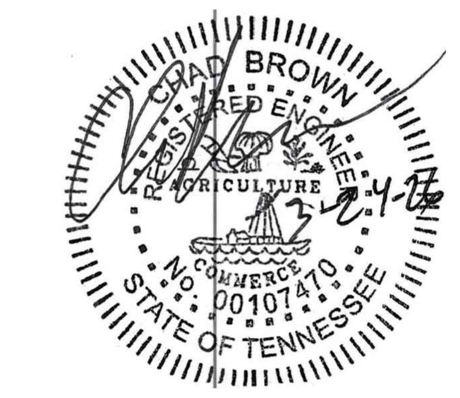


ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

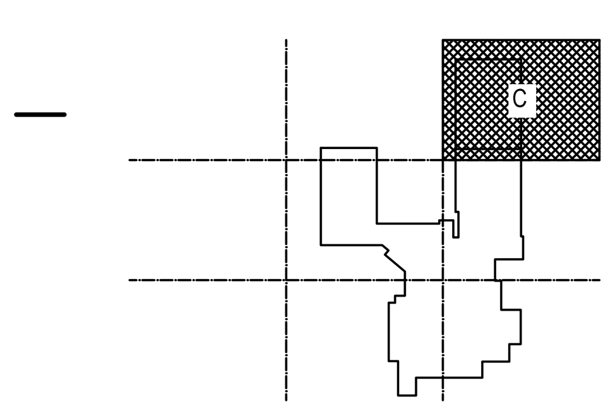


4-B-26-DP

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

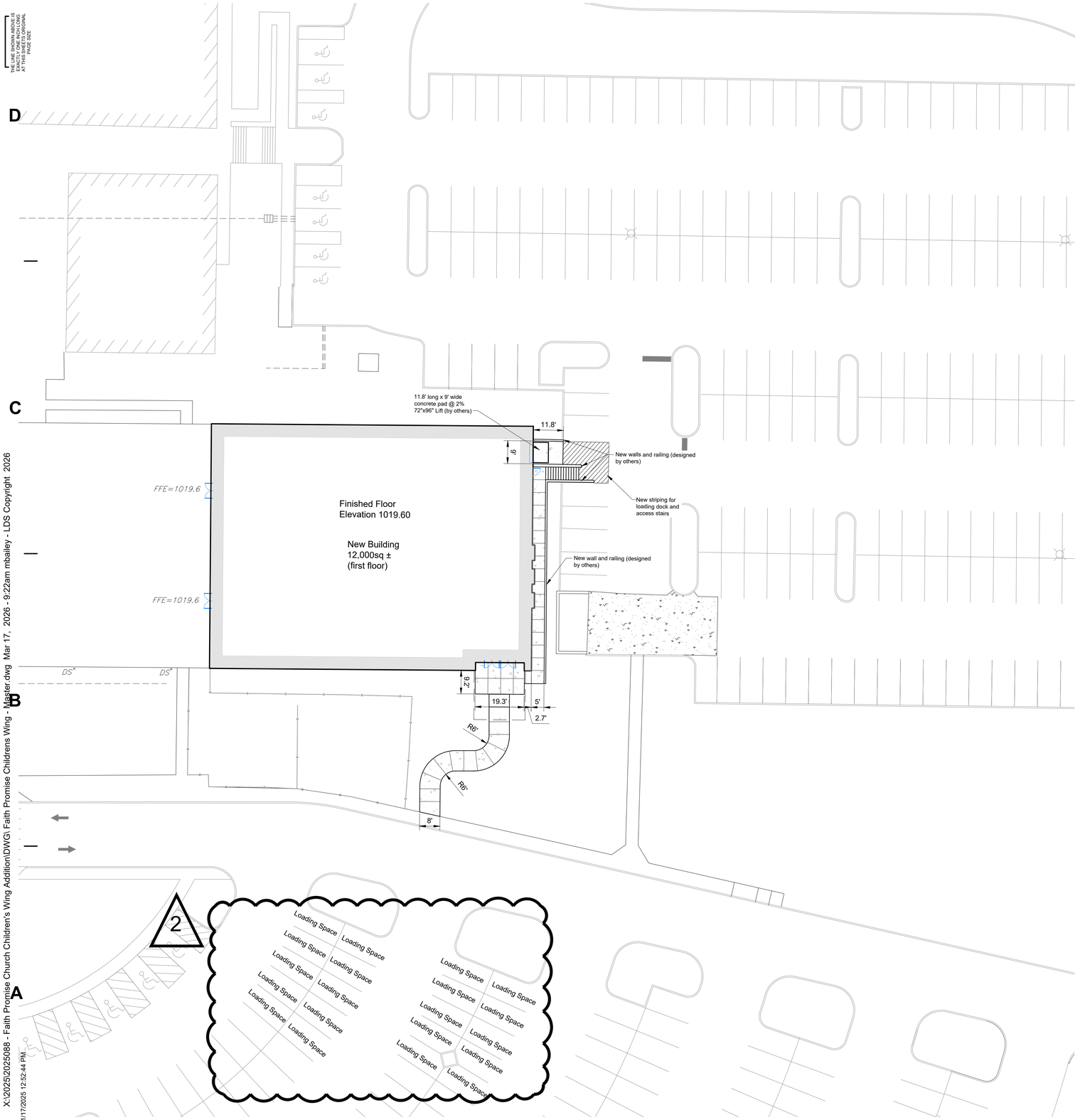
Δ	DATE	DESCRIPTION



SHEET NAME:
Site Overview

ORIG SUBMISSION: 3/24/2026
CURRENT: 3/24/2026

SHEET:
C100



THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

X:\2025\2025088 - Faith Promise Church Children's Wing Addition\DWG\ Faith Promise Childrens Wing - Master.dwg Mar 17, 2026 - 9:22am mbailey - LDS Copyright 2026

11/17/2025 12:52:44 PM

Layout Notes

1. All dimensions to curb line reference face of curb - see detail.
2. See architectural drawings for building dimensions. All dimensions to building are approximate unless specifically noted as building layout points.
3. See Utility Plan for new and existing utility line locations. See Grading and Drainage Plan for new and existing storm drain locations.

2

Impervious Area

1. Ground Coverage Area (GAC) = 75,947 sf / 2,613,600 sf = 2.9% < 25%
2. Floor Area Ratio (FAR) = 120,690 sf / 2,613,600 sf = 4.6% < 30%
3. Impervious Area Ratio (IAR) = 739,376 sf / 2,613,600 sf = 28% < 70%

Parking Calculations

1. Knox County requires 2 spaces per 3 employees, plus 1 off street loading space for every 8 children,

Parking Required: 42 Staff members = 28 Total Spaces
162 Children enrolled = 20 Off street loading spaces

NOTE: TTCDA 6-C-11-TOB (PC 6-I-11-UR) approved church parking 1247 total spaces (including 27 accessible).

1 2 3 4 5

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

CHAD BROWN
NO. 00107470
3-12-26

4-B-26-DP

2

CHILDREN'S WING
ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION

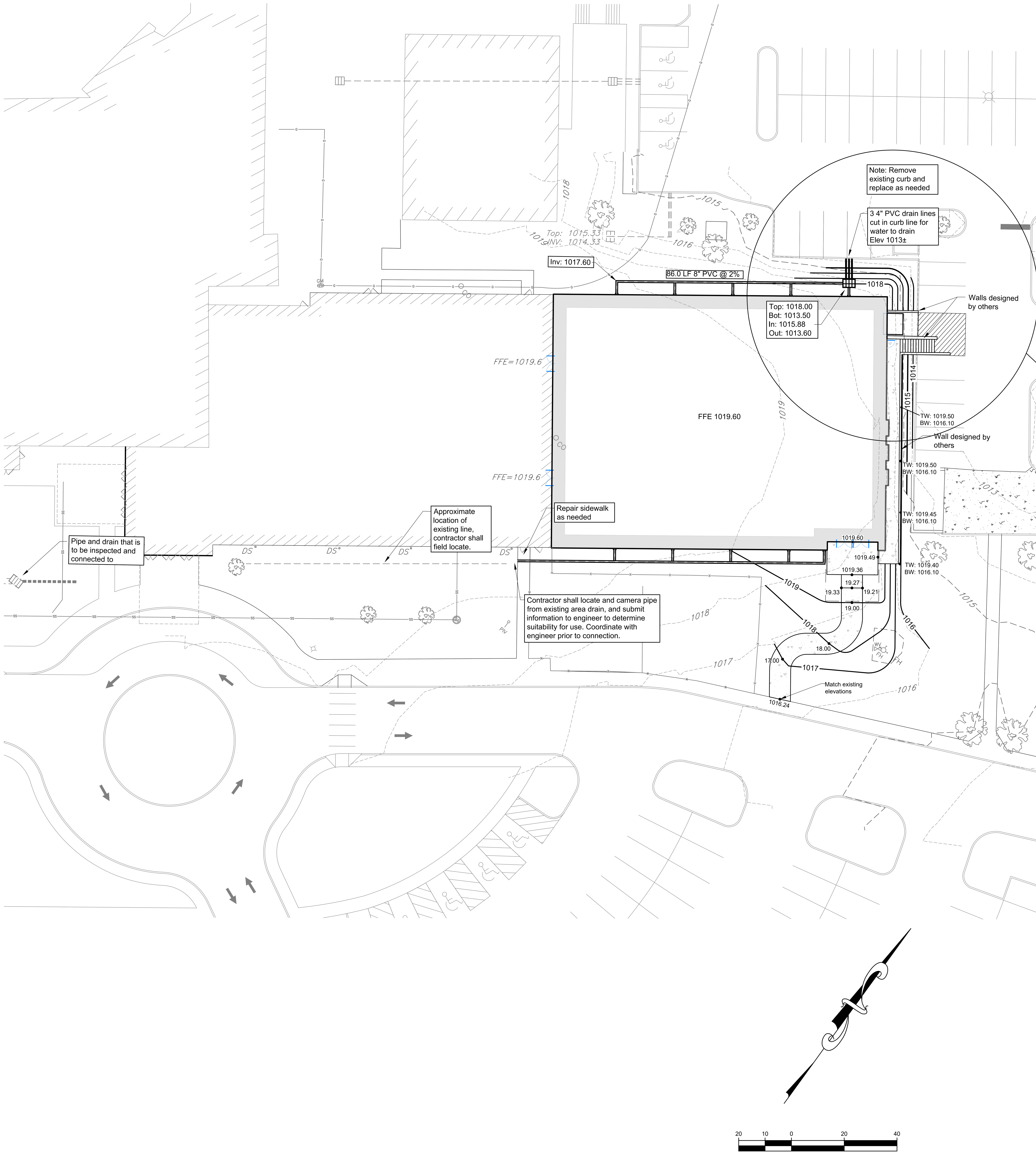
SHEET NAME:

Site Layout

ORIG SUBMISSION: 1-29-2026
CURRENT: 3/12/2026

SHEET:

C101



Grading Notes

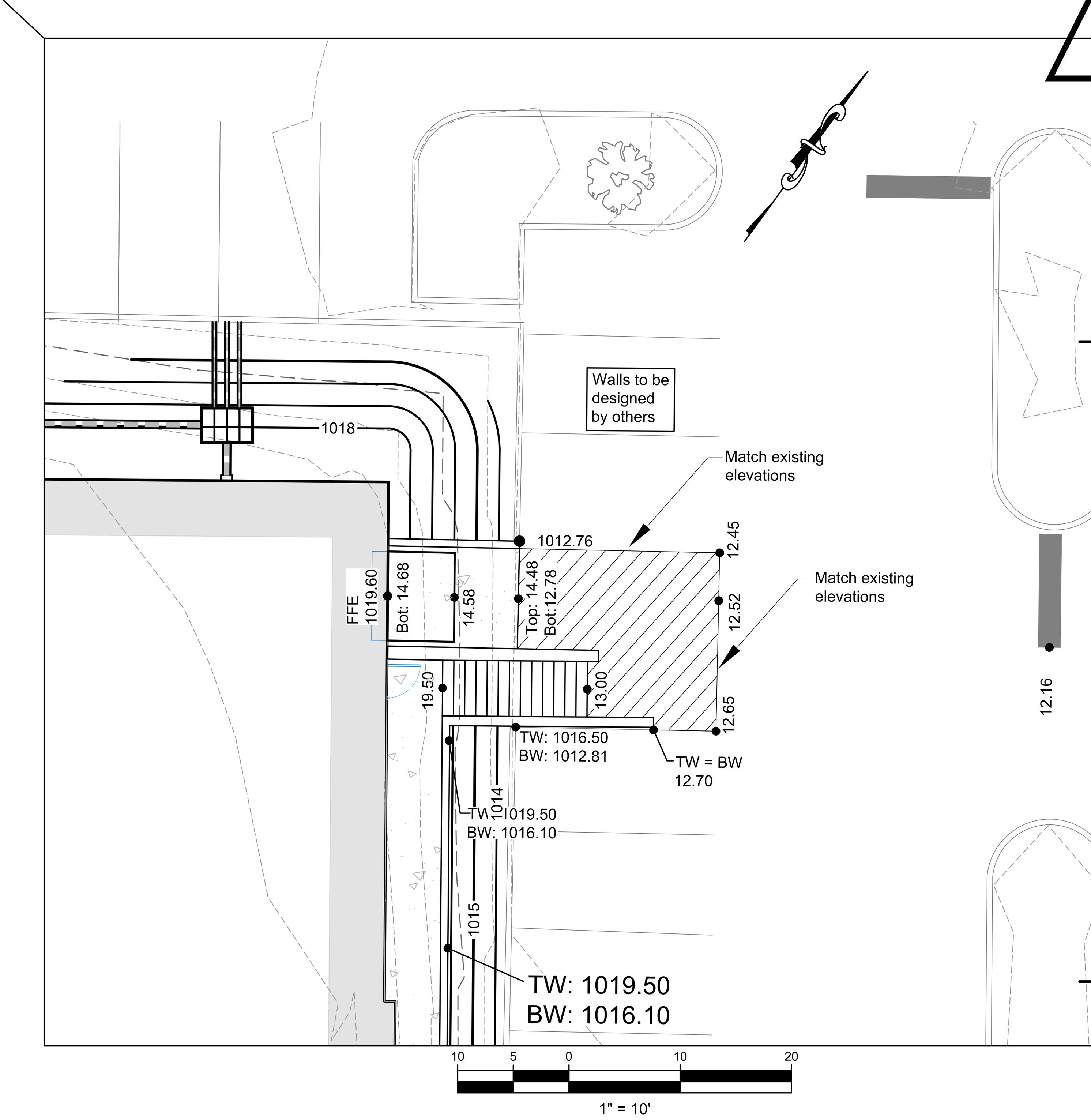
1. All disturbed areas not scheduled to be paved shall have a minimum of 3 inches of topsoil placed on them and shall be seeded as specified.
2. All grading construction practices shall conform to the Tennessee Erosion and Sediment control Handbook.
3. Maximum topsoil thickness for slopes steeper than 3:1 shall be 3".
4. See Sheet C301 for Erosion Control Plan prior to beginning any grading activities.
5. Contractor shall follow Storm Water Pollution Prevention Plan at all times.
6. The grades shown are finished grades. Contractor shall determine subgrade elevations by examining typical pavement sections and the building drawings.

Drainage Notes

1. All storm lines in paved areas shall be backfilled to pavement subgrade with #57 stone.
2. All trenching and shoring shall comply with OSHA standards.
3. Storm lines and structures shall be constructed as soon as possible. Inlet Protection shall be used around structures to minimize the silt entering into drainage system. All silt shall be removed from structures and lines.
4. Pipe lengths and slope are measured from center of structure to center of structure.
5. All HDPE storm lines shall be smooth interior with water tight joints - UNLESS otherwise noted.
6. Contractor shall provide as-built survey of storm system PRIOR to paving. As-built survey shall include storm structure tops, inverts, pipe materials, slopes, and detention basin grading (1 foot contours). Survey shall be provided in electronic format (ACAD 2009 compatible) as well as stamped paper copy. Survey shall be on the same datum as coordinate system as the design plans. All survey points shall be provided in a comma delimited text file (PNEZD format).
7. After construction is complete, contractor shall provide as-built survey as noted above. Survey shall be updated to reflect any changes or modifications to the storm system since the first as-built survey. As-built survey shall include storm structure tops, inverts, pipe materials, slopes, and detention basin grading (1 foot contours). Survey shall be provided in electronic format (ACAD 2009 compatible) as well as stamped paper copy. Survey shall be on the same datum as coordinate system as the design plans. All survey points shall be provided in a comma delimited text file (PNEZD format).

4-B-26-DP

2



ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

CHAD BROWN · REGISTERED ENGINEER · AGRICULTURE · COMMERCE · No. 00107470 · STATE OF TENNESSEE · 3-12-26

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

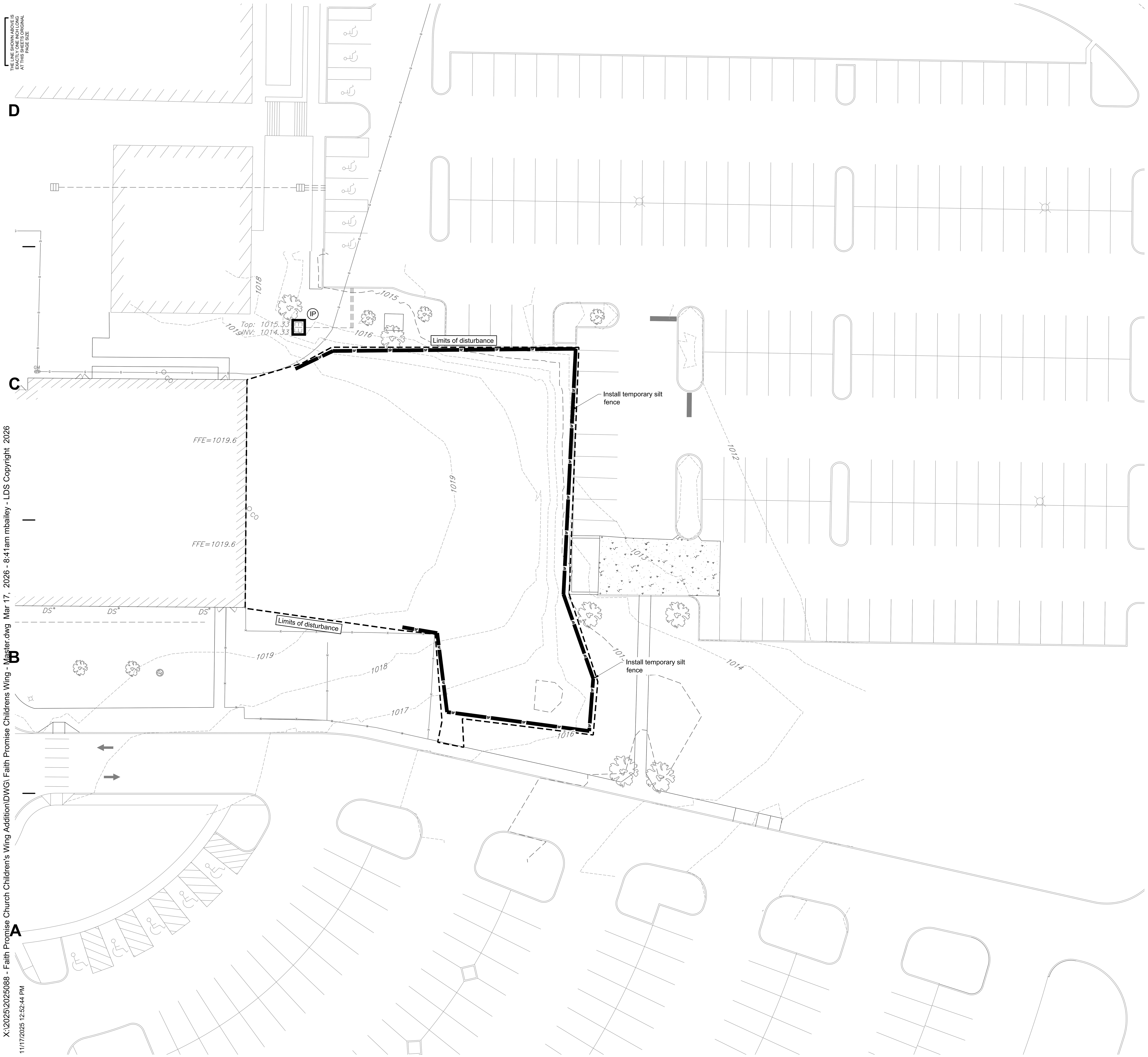
PROJECT: 25055

Δ	DATE	DESCRIPTION

SHEET NAME:
Grading Design

ORIG SUBMISSION: 1/29/26
CURRENT: 3/12/2026

SHEET:
C201



Erosion Control Notes

1. Total disturbed area = 0.42 acres ±.
2. The contractor shall maintain all temporary erosion control devices indicated on the drawings and as required during construction operations to comply with Knox County and State of Tennessee Erosion Control Ordinances.
3. Contractor shall maintain construction entrances to prevent dirt and mud from tracking onto street. Pavement shall be inspected daily and any dirt, mud and/or loose stone shall be cleaned off immediately.
4. Contractor shall remove and dispose of all temporary erosion control devices after establishment of permanent vegetation.
5. Erosion control devices shall be monitored during and after rainfall with any modifications and/or repair made as soon as conditions permit.
6. Construct sediment trap at start of earthwork and direct runoff from construction activities to the trap.
7. Storm Water Pollution Prevention Plan (SWPPP) shall be followed at all times. Any deviations from the SWPPP or the drawings shall be coordinated with Knox County Stormwater Division and the owner.

20 10 0 20 40
1" = 20'

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

CHAD BROWN
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 00107470
STATE OF TENNESSEE

4-B-26-DP

2

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION

SHEET NAME:

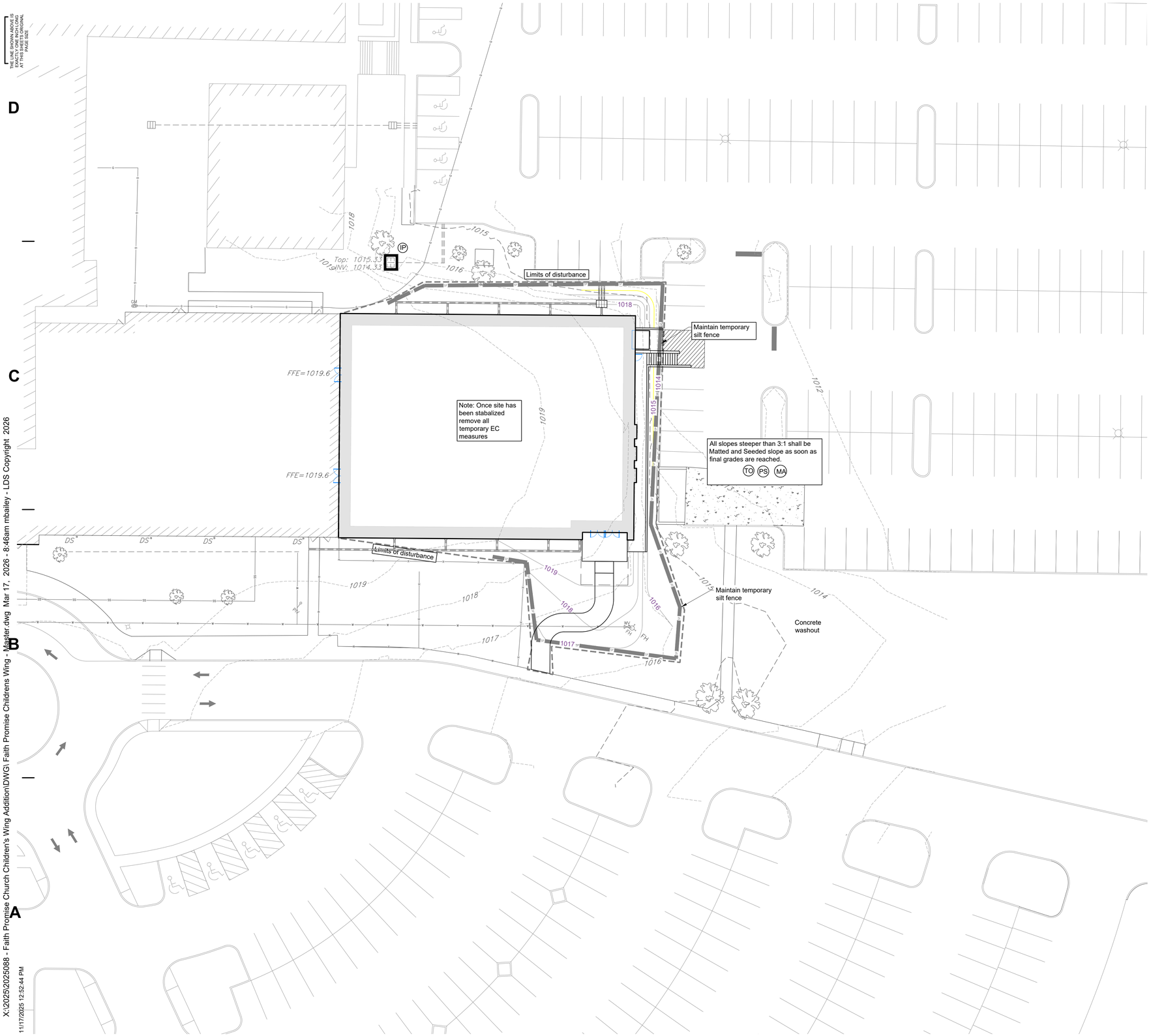
Initial EPSC

ORIG SUBMISSION: 1/29/26
CURRENT: 3/12/2026

SHEET:

C301

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL DRAWING AT THIS SHEETS ORIGINAL PAGE SIZE



11/17/2025 12:52:44 PM

20 10 0 20 40
1" = 20'

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

CHAD BROWN
LICENSED PROFESSIONAL ENGINEER
AGRICULTURE
3-12-26
COMMERCE
No. 0010710
STATE OF TENNESSEE

4-B-26-DP

2

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION

SHEET NAME:
Final EPSC

ORIG SUBMISSION: 1/29/26
CURRENT: 3/12/2026

SHEET:
C302

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

CONSTRUCTION SPECIFICATIONS

Grading and Shaping: Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment

When conventional seeding and fertilizing are to be done, grade and shape the slope, where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of vegetation.

Concentratios of water that could cause excessive soil erosion should be diverted to a safe outlet. Diversions and other treatment practices must conform to the appropriate standards and specifications of the Tennessee Erosion and Sediment Control Handbook.

Plant Selection: Refer to Table 1 for suggested species. Plants should be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting, method of planting; and the needs and desires of the land user.

Plant selection may also include annual companion crops. Annual companion crops should be used only when the perennial species are not planted during their optimum planting period. Care should be taken in selecting companion crop species and seeding rates because the annual crops will compete with the perennial species for water, nutrients, and growing space. A high seeding rate of the companion crop may prevent the establishment of perennial species.

Ryegrass shall not be used in any seeding mixtures containing permanent, perennial species due to its ability to out-compete desired species for permanent perennial cover.

Seed Quality: The term "pure live seed" is used to express the quality of seed and is not shown on the label. Pure lives seed (PLS) is expressed as a percentage of the seeds that are pure and will germinate. Information on percent germination and purity can be found on seed tags. PLS is determined by multiplying the percent of pure seed with the percent of germination; i.e.,

(PLS = % germination X % purity)

EXAMPLE: Common bermuda seed

70% germination, 80% purity
PLS = 70% germination x 80% purity
PLS = 56%

The percent of PLS determines the amount of seed needed. If the seeding rate is 10 pounds PLS and the bulk seed is 56% PLS, the bulk seeding rate is:

$$\frac{10 \text{ lbs PLS/acre}}{56\% \text{ PLS}} = 17.9 \text{ lbs/acres}$$

An application of 17.9 lbs/acre will provide 10 lbs/acres of pure live seed.

TABLE 1
PERMANENT COVER SEEDING MIXTURES

Seeding Dates	Grass Seed	Percentages
February 1 to July 1	Kentucky 31 Fescue	80%
	Korean Lespedeza	15%
	English Rye	5%
June 1 to August 15	Kentucky 31 Fescue	55%
	English Rye	20%
	Korean Lespedeza	15%
	German Millet	10%
April 15 to August 15	Bermudagrass (hulled)	70%
	Annual Lespedeza	30%
August 1 to December 1	Kentucky 31 Fescue	70%
	English Rye	20%
	White Clover	10%
February 1 to December 1	Kentucky 31 Fescue	70%
	Crown Vetch	25%
	White Clover	5%

TABLE 2
CUBIC YARDS OF TOPSOIL REQUIRED
FOR APPLICATION TO VARIOUS DEPTHS

Depth (inches)	Per 1,000 Square Feet	Per Acre
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806

Seedbed Preparation: When conventional seeding is to be used, topsoil should be applied to any area where the disturbance results in subsoil being the final grade surface.

Broadcast Plantings

1. Seedbed preparation may not be required where hydraulic seeding equipment is to be used.
2. Tillage, at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate topsoil, lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a crimper is to be used.
3. Tillage may be done with any suitable equipment.
4. Tillage should be done parallel to the contour where feasible.
5. On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with the appropriate hand tools to provide consecutive beds, 6 to 8 inches apart, in which seed may lodge and germinate.

Individual Plants

1. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.
2. For nursery stock plants, holes shall be large enough to accomodate roots without crowding.
3. Where pine seedlings are to be planted, use a subsoiler under the row to a depth of 36 inches on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.
4. Trees should not be planted in power line right-of-ways or under power lines.

PLANTING

Hydraulic Seeding: Mix the seed (innoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.

Coventional Seeding: Seeding will be done on a freshly prepared seedbed. For broadcast planting, use a cultipacker seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distibute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equipment.

Inoculants: All legume seed shall be inoculated with appropriate nitrogen fixing bacteria. The inoculants shall be pure culture prepared specifically for the seed species and used within the dates on the container.

A mixing medium recommended by the manufacturer shall be used to bond the inoculants to the seed. For conventional seeding, use twice the amount of inoculants recommended by the manufacturer. For hydraulic seeding, four times the amount of inoculant recommended by the manufacturer shall be used.

All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. No inoculated seed shall remain in the hydroseeder longer than one hour.

No-Till Seeding: No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequated growth of the permanent (perennial) species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants: Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the sbsoil furrow. Each plant shall be set ina manner that will avoid crowding the roots.

Nursery stock plants shall be planted at the same depth or slighlty deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.

Where individual holes are dug, an appropriate amount of fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added, and the plant shall be set in the hole and the hole filled in.

APPLYING MULCH

Mulch is required for all permanent vegetation applications. Mulch applied to seeded areas shall achieve 75% soil cover. Select the mulching material from the following and apply as indicated:

1. When using temporary erosion control blankets or block sod mulching is not required.
2. Dry straw or dry hay of good quality and free of weed seeds can be used. Dry straw shall be applied at the rate of 2 tons per acre. Dry hay shall be applied at a rate of 2 1/2 tons per acre. *Sericea lespedeza* hay containing mature seed shall be applied at a rate of 3 tons per acre.
3. Straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting. The mulch may be spread by blower type spreading equipment, other spreading equipment or by hand.
4. Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Dry straw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.
5. One thousand pounds per acre of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 3/4:1 or steeper.
6. Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when agitated in water. The fibers shall contain a dye to aid in uniform application during seeding.

ANCHORING MULCH

Anchor straw or hay mulch immediately after application by one of the following methods:

1. Emulsified asphalt can be (a) sprayed uniformly onto the mulch as it is ejected from the blower machine or (b) sprayed on the mulch immediately following mulch application when straw or hay is spread by methods other than special blower equipment. The combination of asphalt emulsion and water shall consist of 100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Care shall be taken at all times to protect the state waters, the public, adjacent property, pavements, curbs, sidewalks, and all other structures from asphalt discoloration.
2. Hay and straw mulch may be pressed into the soil immediately after the mulch is spread. A special "crimper" or disk harrow with the disks set straight may be used. Serrated discks are preferred, and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
3. Synthetic tackifiers or binders may be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers should be mixed and applied according to manufacturer's specifications. Refer to specification **Tackifiers and Binders.**

BEDDING MATERIAL

Mulch is used as a bedding material to conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on barer areas.

Material	Depth
Grain Straw	4" to 6"
Grass Hay	4" to 6"
Pine Needles	3" to 5"
Wood Waste	4" to 6"

IRRIGATION

Irrigation will be applied at a rate that will not cause runoff.

MAINTENANCE

Inspection of seeding and mulching application should be performed along with other regularly scheduled erosion and sediment control inspections. Any areas that have washed out due to high storm water flows, areas that have been disturbed by blowing wind, and areas that do not show good germination should be retreated. Maintenance needs identified in inspections or by other means shall be accomplished before the next storm event if possible, but in no case more than seven days after the need is identified.

1 N.T.S. Permanent Seeding

Topsoiling

Construction Specifications:

Materials:

Field exploration of the site shall be made to determine if there is sufficient surface soil of good quality to justify stripping. Topsoil shall be friable and loamy (loam, sandy loam, silt loam, sandy clay loam, clay loam). I shall be free of debris, trash, stumps, rocks, roots, and noxious weeds, and shall give evidence of being able to support healthy vegetation. It shall contain no substance that is potentially toxic to plant growth.

All topsoil shall be tested by a recognized laboratory for the following criteria:

Organic matter content shall not be less than 1.5% by weight.

pH range shall be from 6.0-7.5. if pH is less than 6.0, lime shall be added in accordance with soil test results or in accordance with the recommendations of the vegetative establishment practice being used.

Soluble salts shall not exceed 500 ppm.

If additional off-site topsoil is needed, it must meet the standards stated above.

Stripping:

Topsoil operations should not be performed when the soil is wet or frozen. Stripping shall be confined to the immediate construction area. A 4-to 6-inch stripping depth is common, but depth may vary depending on the particular soil. All perimeter dikes, basins and other sediment controls shall be in place prior to stripping.

Stockpiling:

Topsoil shall be stockpiled in such a manner that natural drainage is not obstructed and no off-site sediment damage shall result. Stabilize or protect stockpiles in accordance with MS #2.

Side slopes of the stockpile shall not exceed 2:1.

Perimeter controls must be placed around the stockpile immediately; seeding of stockpiles shall be completed within 7 days of the formation of the stockpile, in accordance with Std. & Spec. 3.31, TEMPORARY SEEDING if it is to remain dormant for longer than 30 days (refer to MS #1 and MS #2).

Site Preparation Prior to and Maintenance During Topsoiling

Before topsoiling, establish needed erosion and sediment control practices such as diversions, grade stabilization structures, berms, dikes, level spreaders, waterways, sediment basins, etc. These practices must be maintained during topsoiling.

Grading: Previously established grades on the areas to be topsoiled shall be maintained according to the approved plan.

Liming: Where the pH of the subsoil is 6.0 or less, or the soil is composed of heavy clays, agricultural limestone shall be spread in accordance with the soil test or the vegetative establishment practice being used.

Bonding: After the areas to be topsoiled have been brought to grade, and immediately prior to dumping and spreading the topsoil, the subgrade shall be loosened by discing or scarifying to a depth of at least 2 inches to ensure bonding or the topsoil and subsoil.

Applying Topsoil

Topsoil shall not be placed while in a frozen or muddy condition, when topsoil or subgrade is excessively wet, or in a condition that may otherwise be detrimental to proper grading or proposed sodding or seeding. The topsoil shall be uniformly distributed to a minimum compacted depth of 2 inches on 3:1 or steeper sloes and 4 inches on flatter slopes. (See Table 3.30-A to determine volume of topsoil required for application to various depths). Any irregularities in the surface, resulting from topsoiling or other operations, shall be corrected in order to prevent the formation of depressions or water pockets.

It is necessary to compact the topsoil enough to ensure good contact with the underlying soil and to obtain a level seedbed for the establishment o of high maintenance turf. However, undue compaction is to be avoided as it increases runoff velocity and volume, and deters seed germination. Special consideration should be given to the types of equipment used to place topsoil in areas to receive fine turf. Avoid unnecessary compaction by heavy machinery whenever possible. In areas which are not going to be mowed, the surface should be left rough in accordance with SURFACE ROUGHENING.

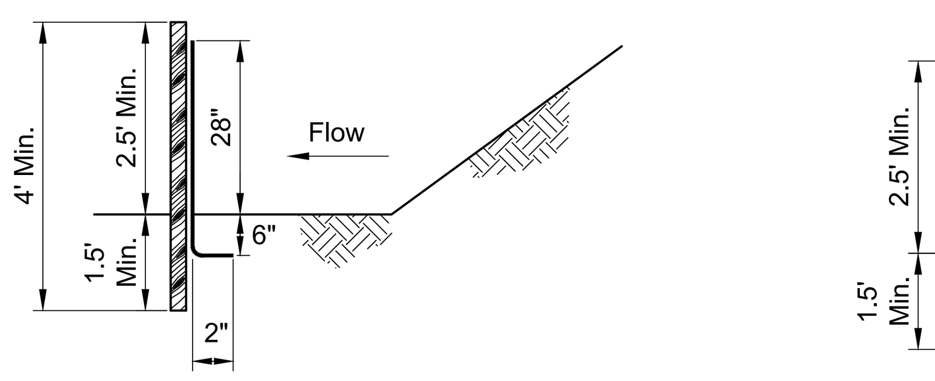
Soil Sterilants:

No sod or seed shall be placed on soil which has been treated with soil sterilants until sufficient time has elapsed to permit dissipation of toxic materials.

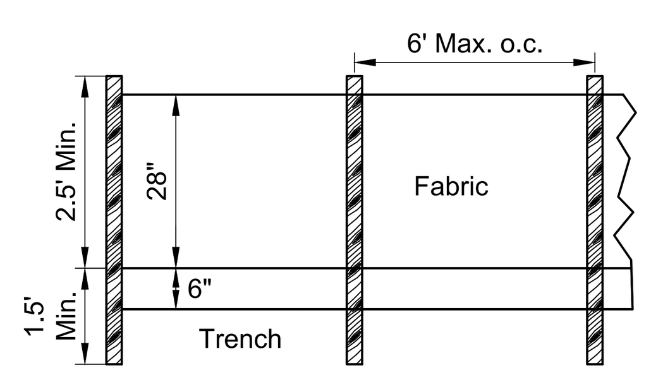
TABLE 3.30-A
CUBIC YARDS OF TOPSOIL REQUIRED
FOR APPLICATION TO VARIOUS DEPTHS

Depth (inches)	Per 1,000 Square Feet	Per Acre
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5		
6		

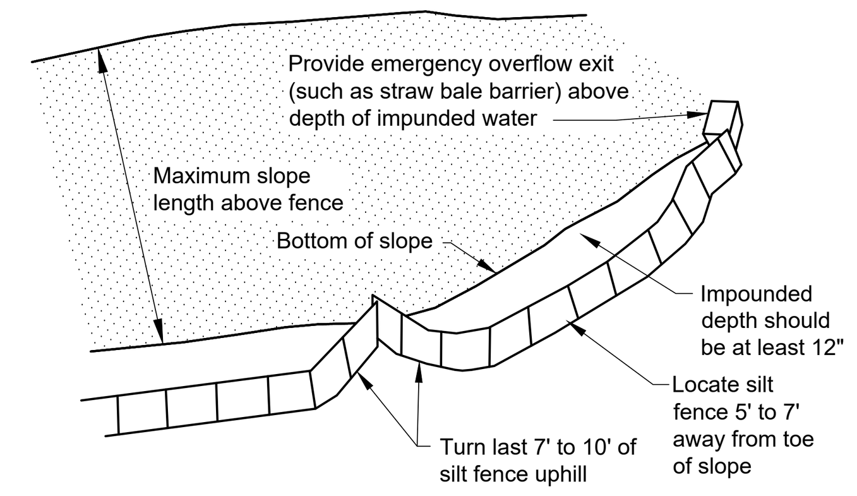
2 N.T.S. Topsoiling



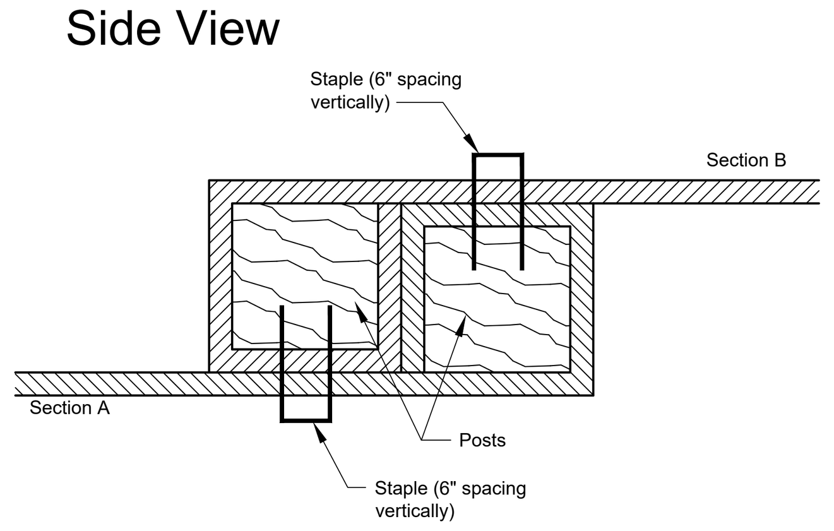
Side View



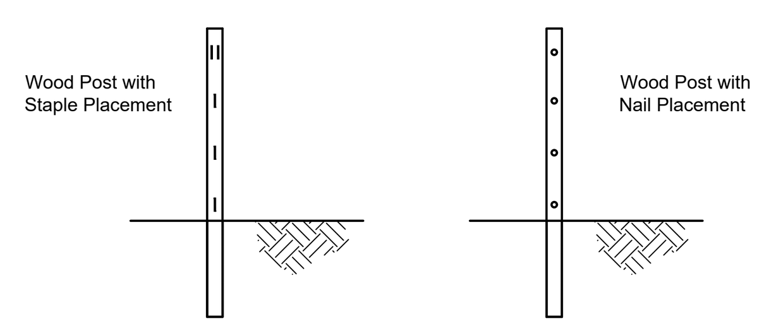
Front View



Silt Fence Below a Steep or Long Grade



Joining Silt Fence Sections



Fastener Placement

Post Size & Fastener Requirements

	Post Size		
	Minimum Length	**Type of Post**	**Size of Post**
Type A	4'	Soft Wood Oak Steel	3" dia. or 2x4 1.5"x1.5" 1.3 lb/ft. min.

	Post Size			
	Guage	**Crown**	**Legs**	**Staples per Post**
Wire Staples	17 Min.	3/4" wide	1/2" long	5 Min.
	Guage	**Length**	**Button Heads**	**Nails per Post**
Nails	14 Min.	1"	3/4"	4 Min.

Note: Filter fabric may also be attached to the post by wire, cord, and pockets.

Silt Fence Specifications

Tensile Strength (Lbs. Min.) (1) (ASTM D-4632)	Warp - 120 Fill - 100
Elongation (% Max.) (ASTM D-4632)	40
AOS (Apparent Opening Size) (Max. Sieve Size) (ASTM D-4751)	#30
Flow Rate (Gal/Min/Sq. Ft.) (GDT-87)	25
Ultraviolet Stability (2) (ASTM D-4632 after 300 hours weathering in accordance with ASTM D-4355)	80
Bursting Strength (PSI Min.) (ASTM D-3786 Diaphragm Bursting Strength Tester)	175
Minimum Fabric Width (Inches)	36

(1) Minimum roll average of five specimens.
(2) Percent of required initial minimum tensile strength.

Construction

Silt Fence should be placed on the contour. On slopes with grades greater than 7%, the silt fence should be located at least 5 to 7 feet beyond base. Turn the ends of the silt fence upslope so that a curtain depth storm water may be retained in front of the silt fence. The impounded depth should be at leat 12 inches, but no more than the height of the silt fence. Hay or straw bales should be staked in place at the end of the row of silt fence as an emergency overflow. This will allow detained water, exceeding the capacity of the silt fence, to be filtered and released aquickly.

The silt fence should be purchased in a continuous roll cut tot he length of the barrier to avoid the use of joints. When joints are unavoidable, filter cloth should be spliced together onl;y at a supporting post, with a minimum 6 inch overlap and securely sealed.

Post installation should start at the center of the low point (if applicable) with remaining posts spaced 6 feet apart for Type A and B silt fences and 4 feet apart for Type C silt fence. While Type A and B silt fences can be used with both wood and steel posts, only steel posts should be used with Type C silt fence due to the flow capacity of the fabric.

Inspection

Inspect silt fence before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least twice every calender week (at least 72 hours apart). Where sites have been finally or temporarily stabilized, such inspections may be conducted only once per month.

Maintenance

Sediment should be removed once it has accumulated to one-half the original height of the barrier. Filter fabric should be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months). Silt fence should remain in place until disturbed areas have been permanently stabilized. All sediment accumulated at the fence should br removed and properly disposed of before fence is removed.

3 N.T.S. Silt Fence

CONSTRUCTION SPECIFICATIONS

Grading and Shaping: Excessive water runoff shall be reduced by properly designed and installed erosion control practices such as ditches, dikes, diversions and sediment barriers, etc.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding eqipment is to be used.

Seedbed Preparation: When a hydraulic seeder is used, seedbed preparation may not be rquired. When using conventional or hand-seeding, seedbed preparation may not be required when the soil is loose and not compacted by equipment or rainfall.

Seeding: Select a grass or grass -legume mixture suitable to the area and seeason of year. See Table 1 for suggestions of temporary seeding species. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacer seeder, or hydraulic seeder (slurry including seed and mulch). Drill or cultipacker seeders should normally place seed one quarter to one half inch deep. Appropriate depth of planting is ten times the seed diamter. Soil should be "raked" lightly to cover seed with soil if seeded by hand.

Mulching: Temporary vegetation may be established without the use of mulch. Mulch without seeding may be considered for short term protection. See mulch specifications.

Irrigation: During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made as needed. Newly seeded area require more water than more mature plants.

MAINTENANCE

Inspections of temporarily seeded area should be made before anticipated strom events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least once every fourteen calender days. Inspectinos should identify any areas that need reseeding or need additional BMP's. Maintenance needs identified in inspections or by other means shall be accomplished before the next storm event if possible, but in no case more than seven days after the need is identified.

TABLE 1
TEMPORARY COVER SEEDING MIXTURES

Seeding Dates	Grass Seed	Percentages
January 1 to May 1	Italian Rye	33%
	Korean Lespedeza	33%
	Summer Oats	34%
May 1 to July 15	Sudan - Sorghum	100%
May 1 to July 15	Starr Millet	100%
July 15 to January 1	Balboa Rye	67%
	Itialian Rye	33%

4 N.T.S. Temporary Seeeding

Construction Specifications

Mulching Without Seeding: This standard applies to cleared areas where seed may not have a suitable growing season to produce an erosion-retardant cover, but can be stabilized with a mulch cover. Mulch can be used as an erosion control device for up to six months, but it shall be applied at the appropriate depth (depending on the material used), anchored, and have a continuous 95% cover or greater of the soil surface. Maintenance is required to maintain 95% cover.

Mulching With Seeding: Mulch should be applied when seeding for vegetation stabilization. It siginificantly assists germination by protecting the seed from birds, by holding moisture at the surface of the soil, and by reducing soil surface temperature. Mulch applied to seeded areas shall achieve 75% soil cover.

Site Preparation: Consider these factors when preparing to use mulch:

1. Grde to enable the use of equipment for applying and anchoring mulch.
2. Install best management practices as required such as diversions, terraces, and/or sediment barriers.
3. Loosen compacted soil to a minimum depth of 4 inches if using mulch while seeding.

Mulching Materials: Select one of the following materials and applu at the rate indicated:

1. Dry straw or hay shall be applied at a rate that provides 95% or greater soil coverage.
2. Wood waste (chips, sawdust or bark) shall be applied at a rate that provides 95% or greater coverage. **Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch.** This method of mulching can greatly reduce erosion control costs. This method should not, however, be used in conjunction with soil acidification and nitrogen reduction problems that the decomposition of "green" material will produce.

Maintenance

Inspection of the application should be performed along with other regularly scheduled erosion and sediment control inspections. Any areas that have washed out due to high storm water flows should be reconsidered for different BMP use, or at least retreated. Areas that have been disturbed by blowing wind should be retreated. Maintenance needs identified in inspections or by other means shall be accomplished before the next storm event if possible, but in no case more than seven days after the need is identified.

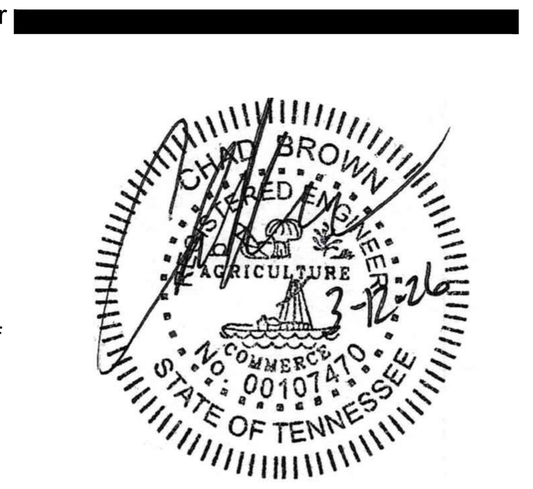
5 Mulching

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755



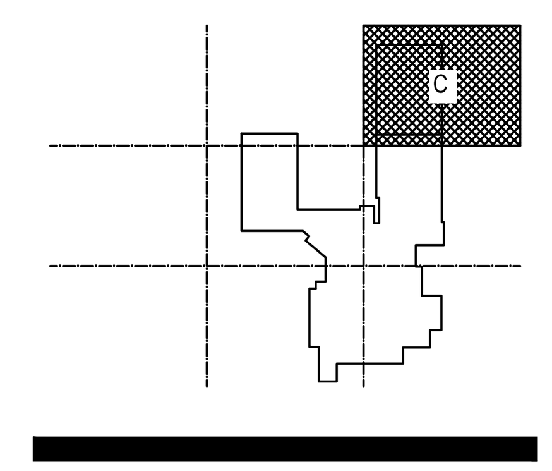
4-B-26-DP

2

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION



SHEET NAME:

EPSC Details

ORIG SUBMISSION: 1/29/26

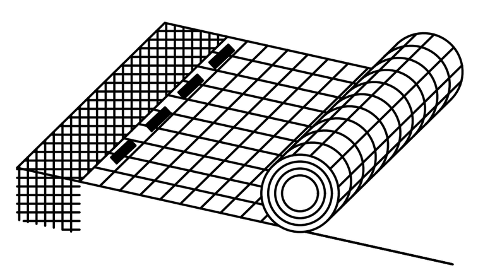
CURRENT: 3/12/2026

SHEET:

C304

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

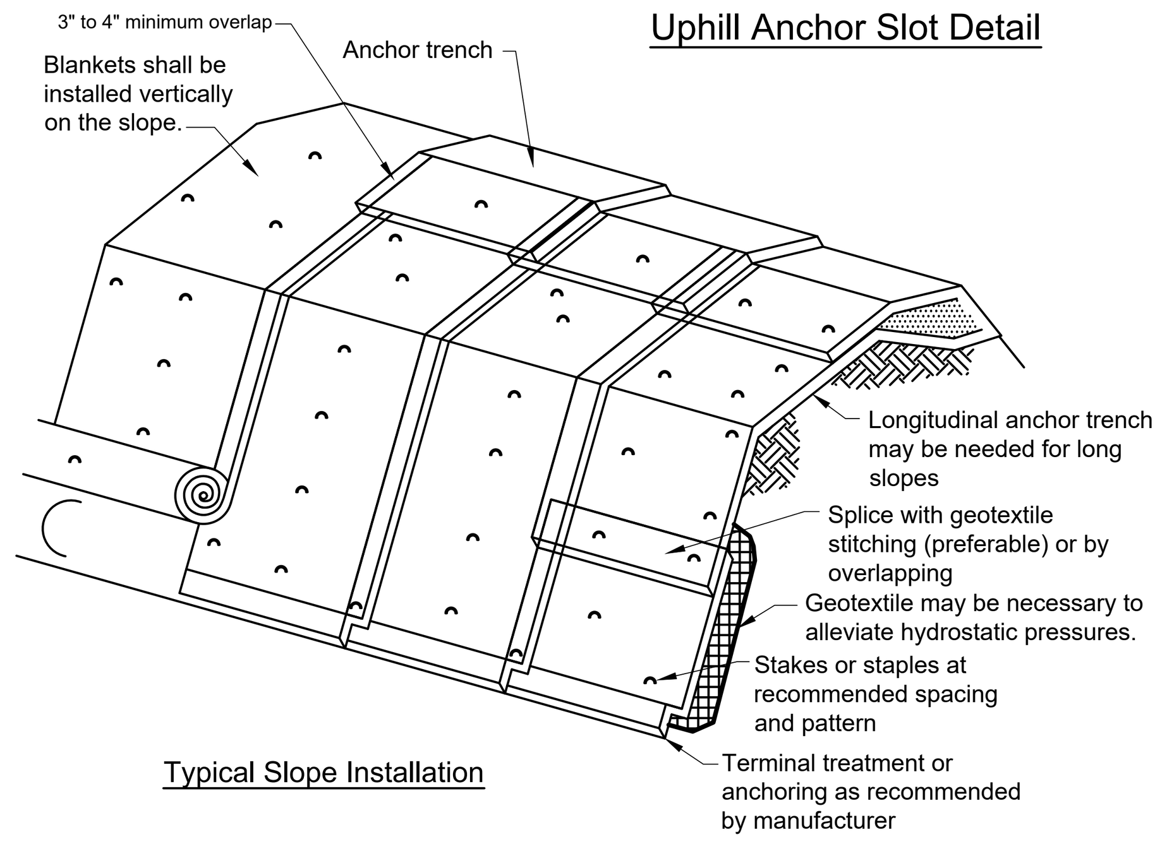
D



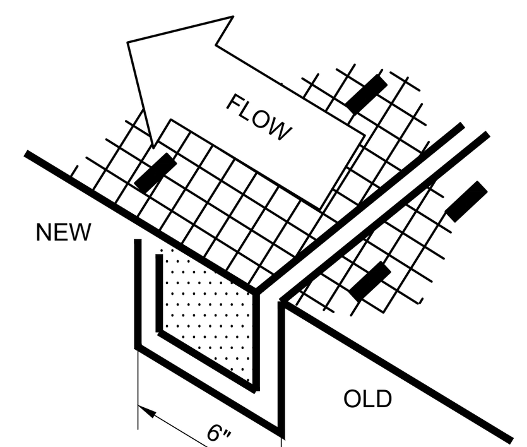
Note: The details and specifications shown are the minimum. Contractor shall follow manufacturer's installation recommendations.

Bury the uphill end of the mat within a trench at least 6" deep (12" deep for longer slopes). Tamp the soil firmly. Staple or stke at 12" intervals across the mat.

Uphill Anchor Slot Detail

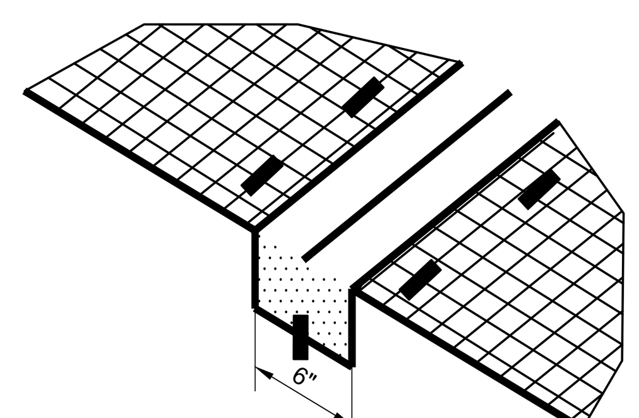


Typical Slope Installation



Dig a slot 6" deep and 6" wide at end of the previous roll, and insert old roll on bottom and sides of anchor slot. Insert the new roll on bottom and sides of anchor slot, then install stakes or staples through both rolls at the bottom of the anchor slot. Fill ancho slot with soil, tamp firmly, and then install new roll in the upstream direction.

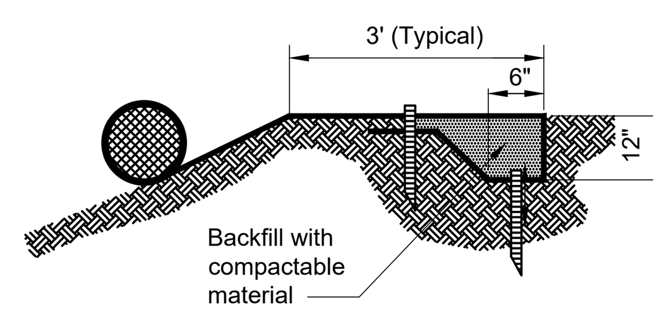
Anchor Slot (within Channel)



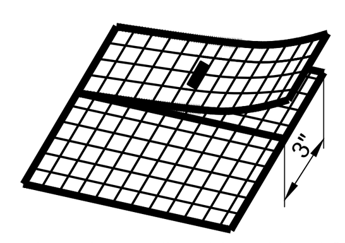
Check slots should be made every 50 feet on slopes and intermittent drainage channels. Insert a fold of the mat into a 6" deep trench and tamp firmly. Staple or stake at 12" intervals across the mat. Lay mat smoothly on the surface of the soil. Do not stretch the mat and do not allow wrinkles.

Check Slot Detail

C

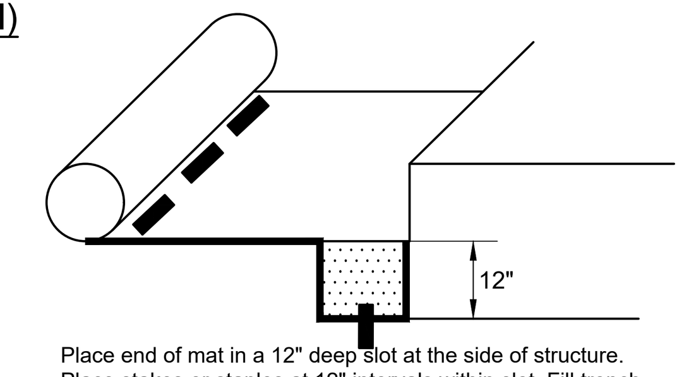


Anchor Trench



Overlap edges of the strips at least 3" (and preferably more for channels). Staple or stake every 12" down the center of teh overlap.

Overlap Detail



Place end of mat in a 12" deep slot at the side of structure. Place stakes or staples at 12" intervals within slot. Fill trench and tam firmly. Roll mat up the channel or downhill as necessary.

Anchoring Ends At Structures Detail

CONSTRUCTION SPECIFICATIONS

All blanket and matting materials should be nontoxic to vegetation and to the germination of seed. Netting should be intertwined with the mulching material/fiber to maximize strength and provide for ease of handling.

Temporary Blankets
Machine produced temporary blankets should have a consistent thickness with the organic material evenly distributed over the entire blanket area. All blankets should have a minimum width of 48 inches. Machine produced temporary blankets include the following:

1. Straw blankets are temporary blankets that consist of weed-free straw from agricultural crops formed into a blanket. Blankets with a top side of photodegradable plastic mesh size of 5⁄16 x 5⁄16 inch and sewn to the straw with biodegradable thread are appropriate for slopes. The blanket should have a minimum thickness of 3⁄8 inch and minimum dry weight of 0.5 pounds per square yard.

2. Excelsior blankets are temporary blankets that consist of curled wood excelsior (80% of fibers are six inches or longer) formed into a blanket. The blanket should have clear markings indicating the top side of the blanket and be smolder resistent. Blankets should have photodegradable plastic mesh having a maximum mesh size of 1 ½ x 3 inches. The blanket should have a minimum thickness of ¼ of an inch and a minimum dry weight of 0.8 pounds per square yard. Slopes require excelsior matting with the top side of the blanket covered in the plastic mesh, and for waterways, both sides of the blanket require plastic mesh.

B

3. Coconut fiber blankets are temporary blankets that consist of 100% coconut fiber formed into a blanket. The minimum thickness of the blanket should be ¼ of an inch with a minimum dry weight of 0.5 pounds per square yard. Blankets should have photodegradable plastic mesh, with a maximum mesh size of 5⁄8 x 5⁄8 inch and be sewn to the fiber with a breakdown resistant synthetic yarn. Plastic mesh is required on both sides of the blanket if used in waterways. A maximum of two inches is allowable for the stitch pattern and row spacing.

4. Wood fiber blankets are temporary blankets that consist of reprocessed wood fibers that do not possess or contain any growth or germination inhibiting factors. The blanket should have a photodegradable plastic mesh; with a maximum mesh size of 5⁄8 x ¾ inch, securely bonded to the top of the mat. The blanket should have a minimum dry weight of 0.35 pounds per square yard. A maximum of two inches is allowable for the stitch pattern and row spacing. This practice should be applied only to slopes.

5. Jute mesh consists of woven root fiber or yarn, with regularly spaced openings between strands. A typical jute mesh will weigh approximately 1.0 pounds per square yard for basic slope applications.

Permanent Matting
Permanent matting consists of a web of nettings, monofilaments or fibers that are entangled to form a strong and dimensionally stable matrix. Mats should maintain their shape before, during, and after installation, under dry or water saturated conditions. Mats must be stabilized against ultraviolet degradation and shall be inert to chemicals normally encountered in a natural soil environment.

INSTALLATION
Always follow the manufacturer's recommendations for orienting, overlapping, entrenching, and securing blankets or mats. The following are basic guidelines that may vary by manufacturer or application.

Site Preparation: After the site has been shaped and graded to the approved design, prepare a friable seedbed relatively free from clods and rocks more than one inch in diameter, and any foreign material that will prevent contact of the blanket or mat with the soil surface.

Temporary Blankets: Erosion control blankets should generally be installed vertically from the top of the slope to the bottom (See Figure 1). Trim blankets as necessary to fit the area to be covered. For slopes shallower than 2:1, and with a height of twice the width of the blanket roll or less, up to a maximum height of 16 feet, the blanket may be applied horizontally across the slope. For use in concentrated flow areas, place the blanket in the direction of the water flow. Always entrench the blanket beyond the top and bottom of the slope and at any horizontal joint a minimum of 6 inches, or per manufacturer's recommendation. Overlap vertical joints at least 3 inches, or per manufacturer's recommendation (See Figure 2).

Permanent Matting: When installing permanent matting in a storm water conveyance channel, begin at the bottom of the slope and progress upstream, centering the mat in the middle of the channel. Shingle upstream layer over downstream layer, overlapping 3 feet. Overlap 3 inches minimum along longitudinal seams. Entrench the upper and lower edges beyond the slope (See Figure 3).

Staples: Staples should be used to anchor temporary blankets, and either staples or stakes should be used to anchor permanent matting. Follow manufacturer's recommendations for stapling or staking pattern and frequency.

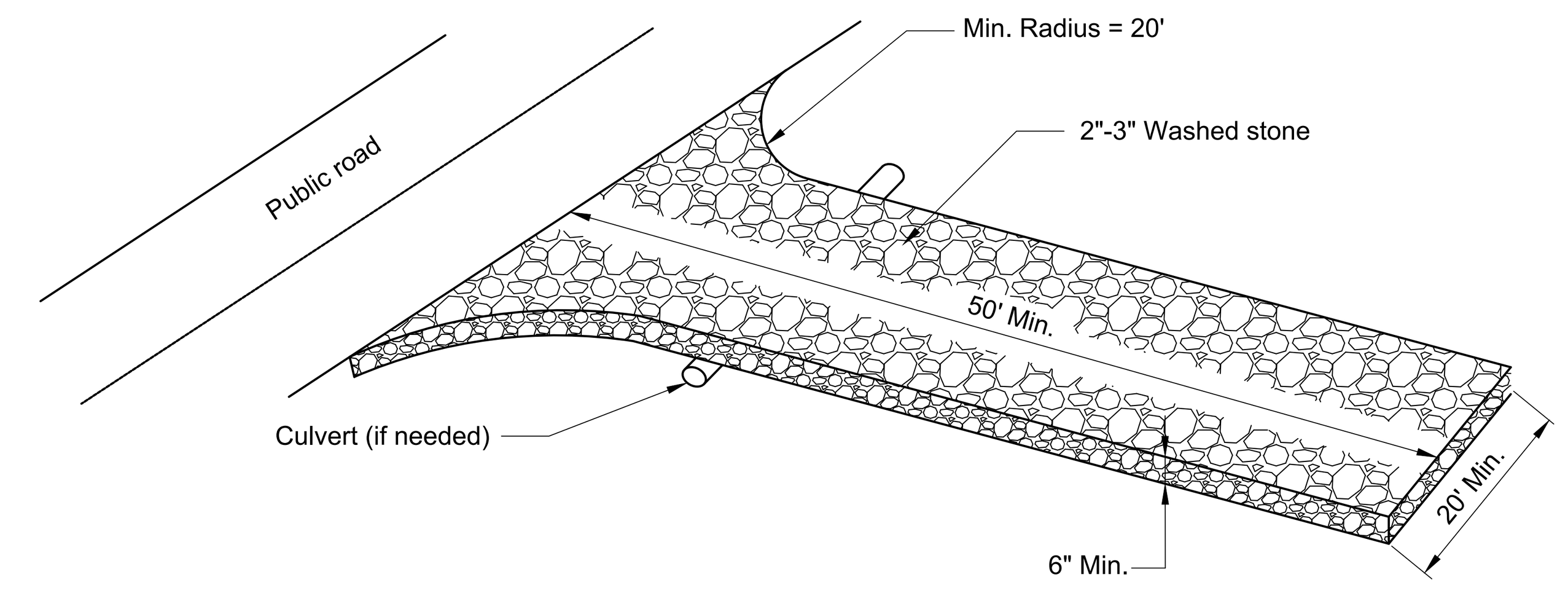
Planting: Seed and any necessary soil amendments should be applied prior to installation of temporary blankets. For permanent mats, the area should be brought to final grade, and any soil amendments tilled or plowed into the soil surface. After the permanent mat has been installed and backfilled with topsoil, the area should be seeded and mulched. Refer to specifications **Distributed Area Stabilization (With Permanent Vegetation) - PS** and **Disturbed Area Stabilization (With Mulch) - MU.**

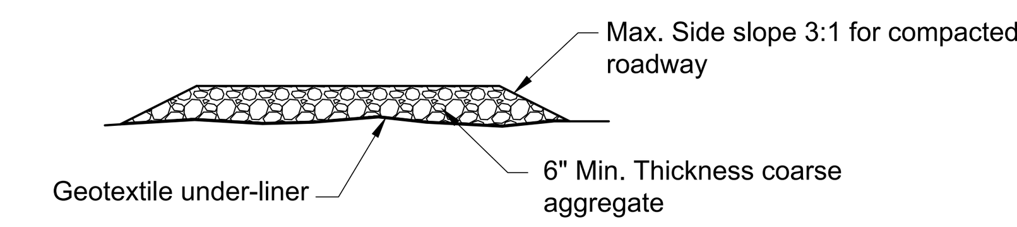
MAINTENANCE
Inspections of blankets and matting should be made before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least once every fourteen calender days. Blanket and matting inspections should identify washed out areas, areas needing additional staples, and/or additional areas needing blankets or matting. Maintenance needs identified in inspections or by other means shall be accomplished before the next storm event if possible, but in no case more than seven days after the need is identified..

A

X:\2025\2025088 - Faith Promise Church Children's Wing Addition\DWG\ Faith Promise Childrens Wing - Master.dwg Mar 17, 2026 - 8:43am mbailey - LDS Copyright 2026

1
N.T.S.
Erosion Control Blanket - Slope Installation





Construction Entrance

Construction Specifications

1. Clear the entrance and exit area of all vegetation, roots, and other objectionable material and properly grade it.
2. Place Mirafi 500 (or equal) filter fabric over area to stoned.
3. Place the gravel to the specific grade and dimensions shown on the plans, and smooth it.
4. Provide drainage to the temporary diversion ditch to the sediment trap.
5. Use geotextile fabrics in locations subject to seepage or high water table...

Maintenance

Maintain the gravel pad in a condition to prevent mud or sediment from leaving the construction site. This may require periodic topdressing with 2-inch stone. After each rainfall. inspect any structure used to trap sediment and clean it out as necessary. Immediately remove all objectionable materials spilled, washed or tracked onto public roadways. When necessary wheels must be cleaned to remove sediment prior to entering a public street. When washing is required. It shall be done on an area stabilized with crushed stone which drains into an approved sediment basin.

2
N.T.S.
Stabilized Construction Entrance

Construction Specification

Material

1. SlopeGard 3 fiber rolls are assembled from a machined mat or blanket of shaved aspen wood curled excelsior with a weighted inner core contained in a photo degradable, extruded, "high visibility" netting tube and, for ease of handling, have a handle on each end. Excelsior material contains at least 80% of fibers at least 6 inches in length. SlopeGard 3 is available in either curled wood excelsior or optional reticulated polyurethane. The weighted inner core holds the device in place thereby eliminating the need for securing in place with either sandbags or stakes.

2. SlopeGard 3 is contained in a tubular orange netting with a stand thickness of about 0.03 per inch, a knot thickness of about 0.055 per inch and a weight of at least 0.35 oz/ft made from 85% high-density polyethylene and 14% ethyl vinyl acetate with titanium dioxide for UV inhibition.

Construction

1. SlopeGard 3 is placed end-to-end in a circle around a construction site drainage inlet to prevent runoff and silt, sediment and debris from entering the inlet.

2. Place adequate number of SlopeGard 3 rolls around an inlet to provide complete protection. Leave approximately 3"-6" between the SlopeGard 3 rolls and the inlet. Ends should overlap about 12 inches.

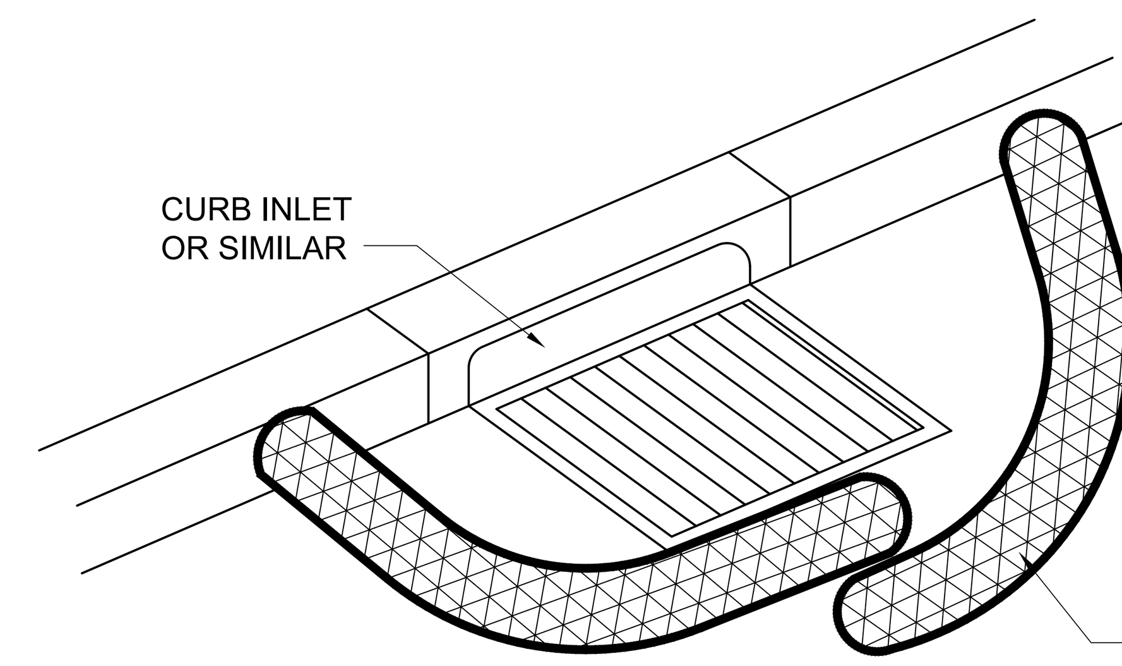
Maintenance

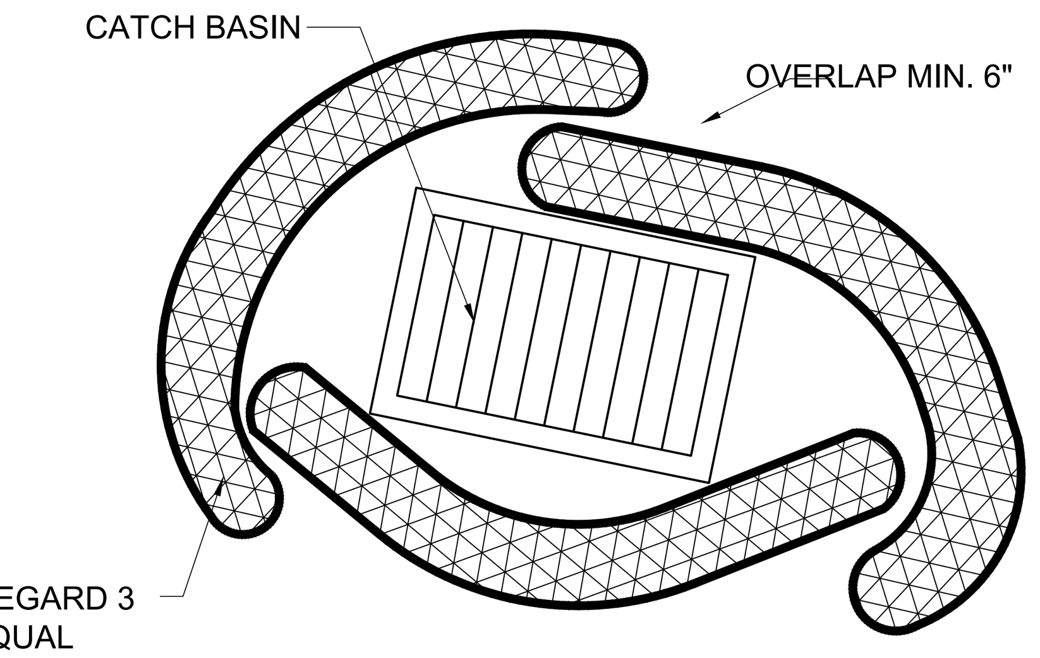
Inspect inlet protection device before and after rain events, and weekly throughout the rainy season. During extended rain events, inspect at least once every 24 hours.

Remove and properly dispose of accumulated silt and debris to allow for proper function of device.

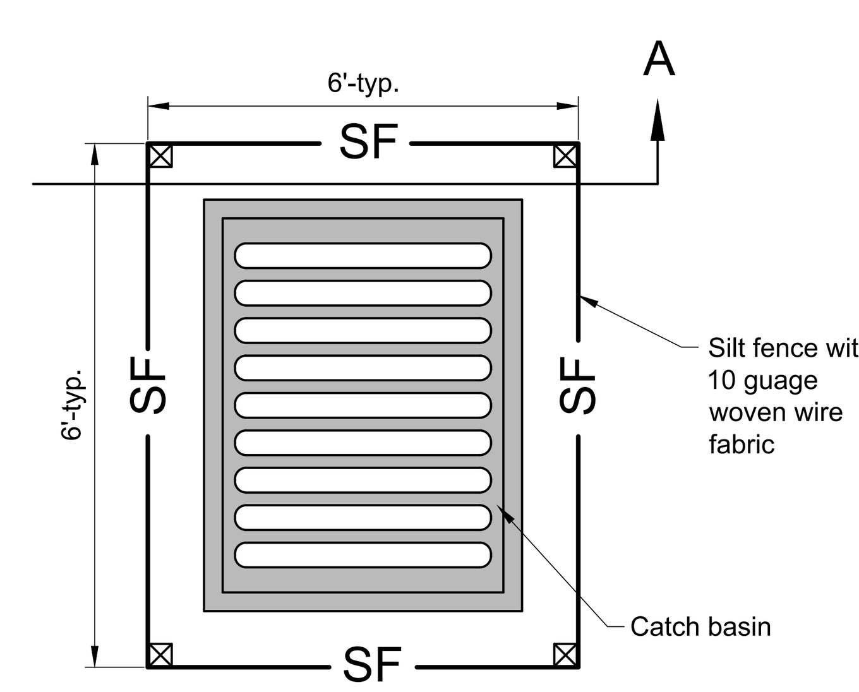
Specifications For SlopeGard 3

Model	Dia. (in)	Length (feet)	Weight (lb.)	Sediment Retention Cap. (cu. ft.)	Functional Life (months)
SC-FR3	8	6	50	1.5	24-36

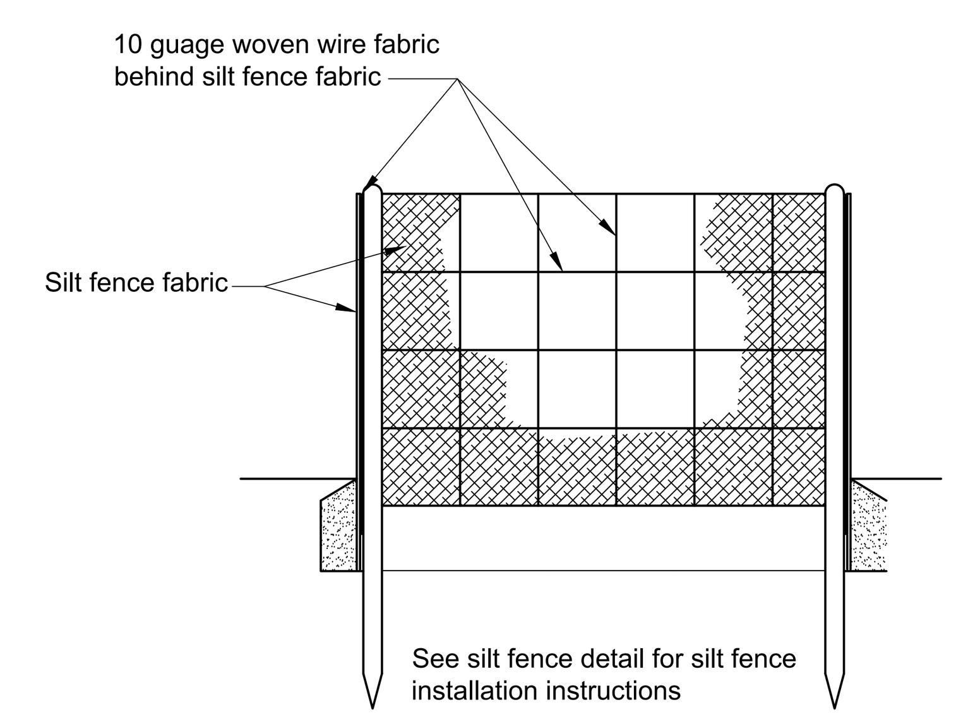




3
N.T.S.
Inlet Protection - Grass Areas



PLAN



SECTION A-A

Dimensions of silt fence around catch basin may be modified as necessary. Maximum distance between support posts = 6'.

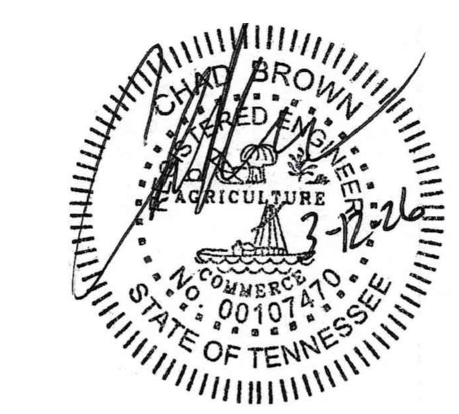
4
N.T.S.
Inlet Protection - Grass Areas

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755



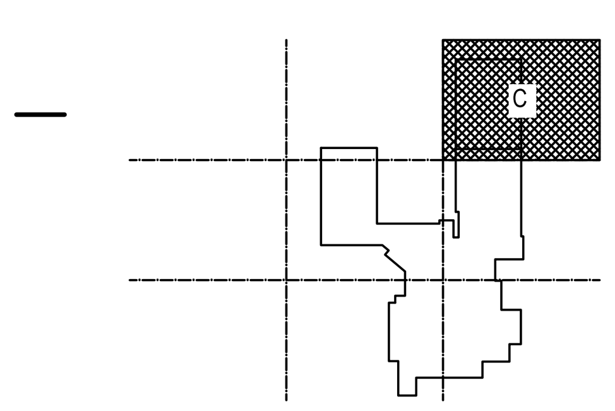
4-B-26-DP

2

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

△	DATE	DESCRIPTION



SHEET NAME:

EPSC Details

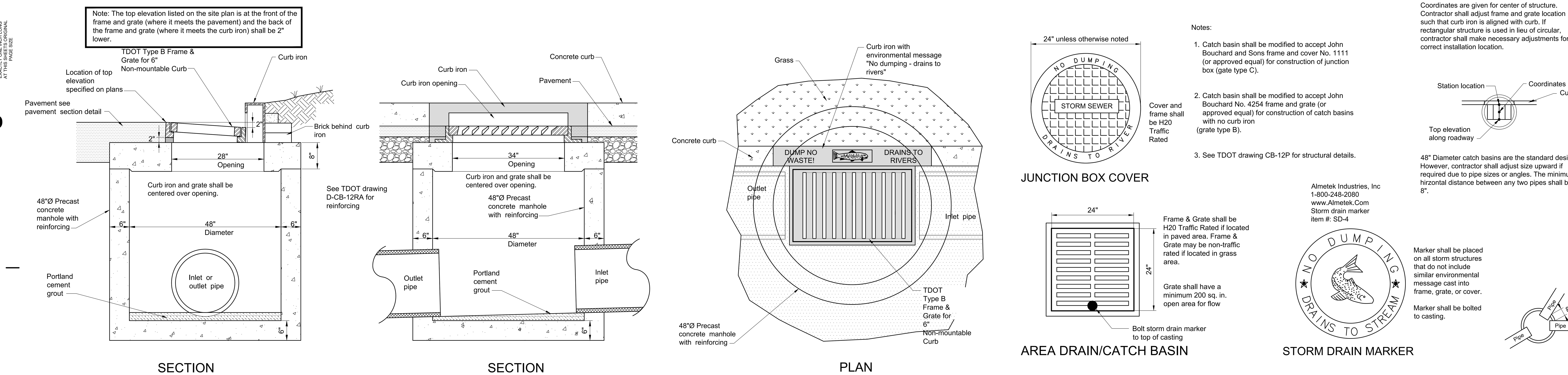
ORIG SUBMISSION: 1/29/26
CURRENT: 3/12/2026

SHEET:

C305

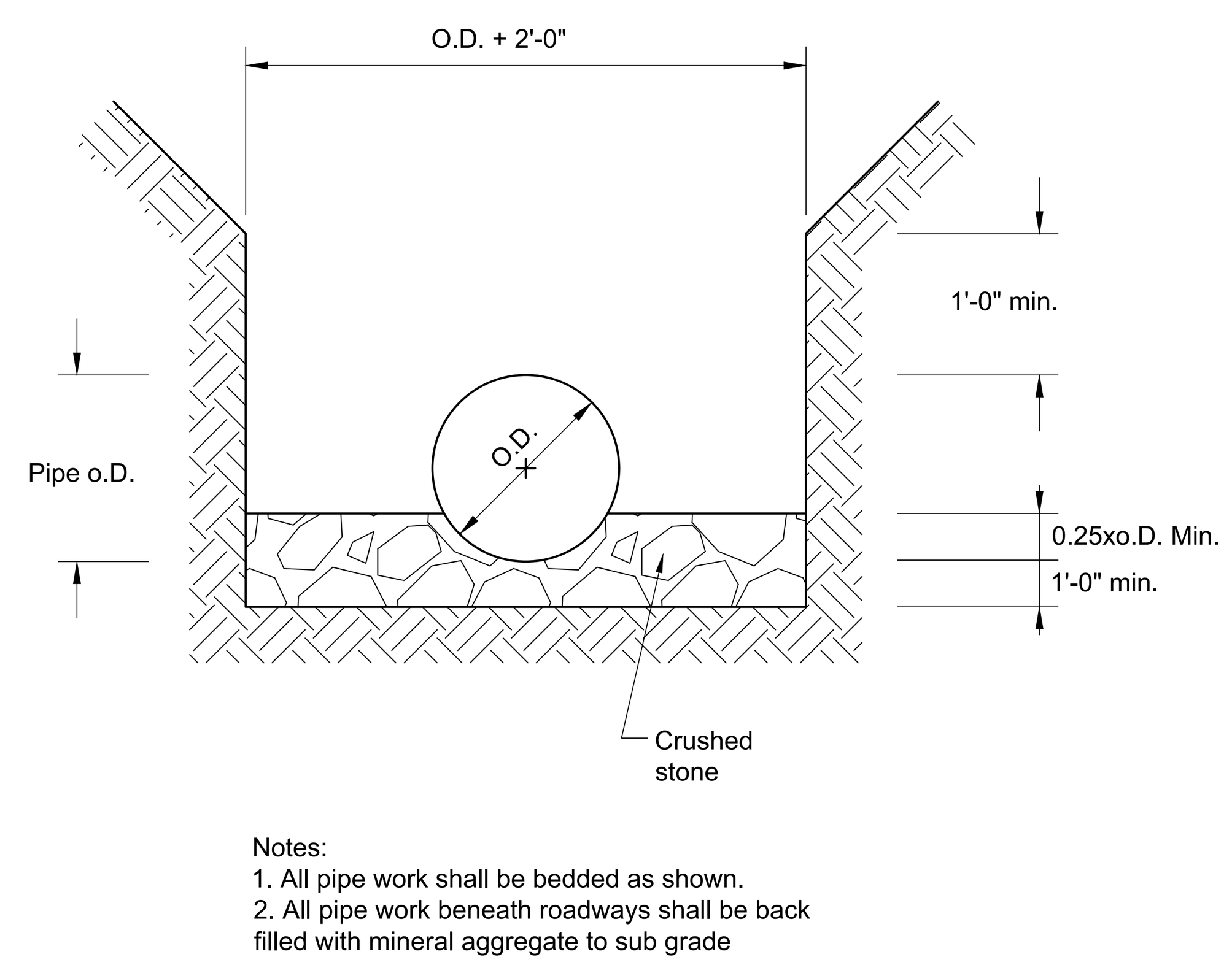
1 2 3 4 5

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PAGE SIZE

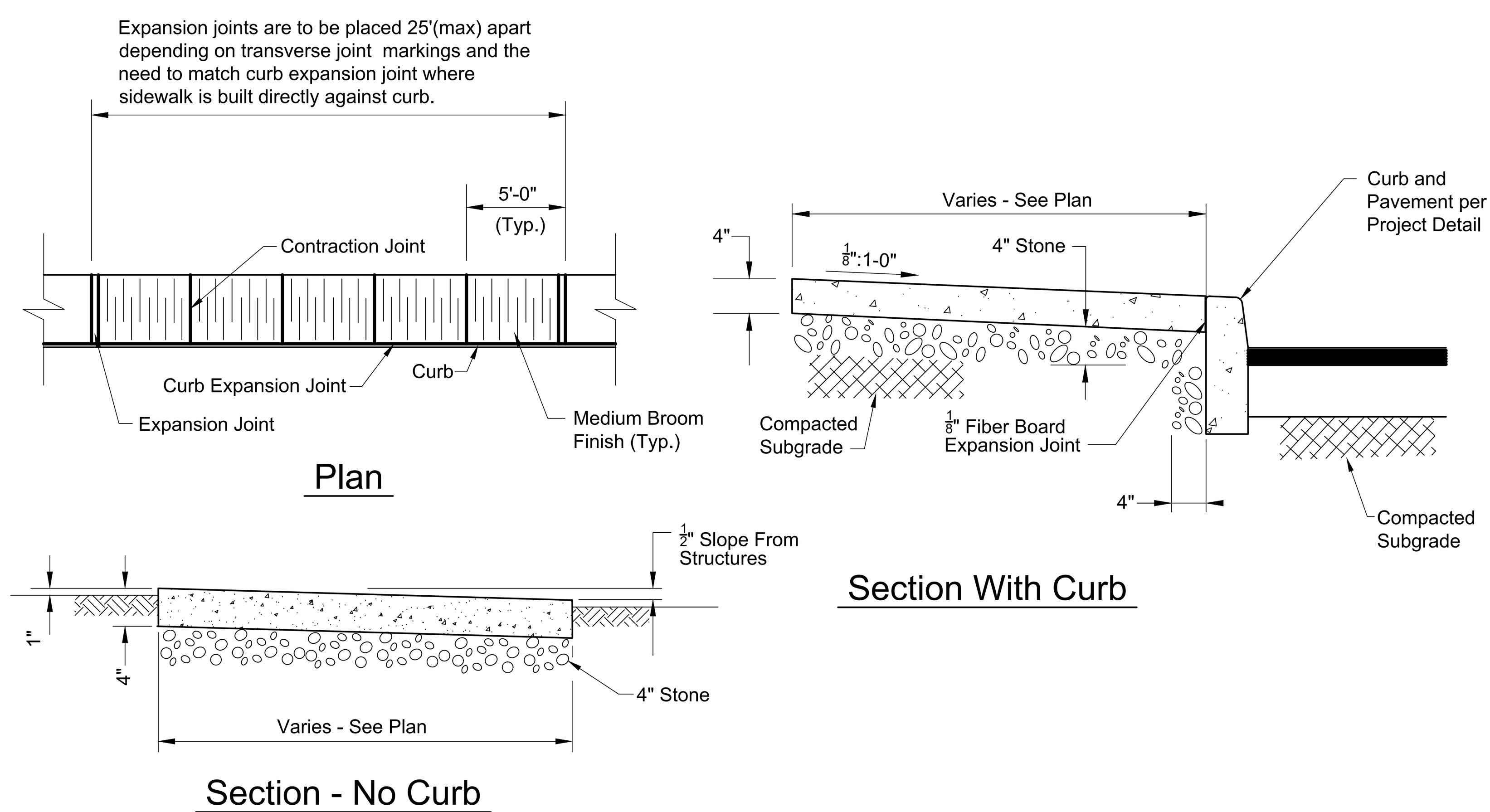


Note: The top elevation listed on the site plan is at the front of the frame and grate (where it meets the pavement) and the back of the frame and grate (where it meets the curb iron) shall be 2" lower.
TDOT Type B Frame & Grate for 6" Non-mountable Curb
Curb iron
Location of top elevation specified on plans
Pavement see pavement section detail
Brick behind curb iron
2"
28" Opening
8"
Curb iron and grate shall be centered over opening.
48"Ø Precast concrete manhole with reinforcing
6"
48" Diameter
Inlet or outlet pipe
Portland cement grout
SECTION
See TDOT drawing D-CB-12RA for reinforcing
Curb iron
Curb iron opening
Concrete curb
Pavement
34" Opening
Curb iron and grate shall be centered over opening.
48"Ø Precast concrete manhole with reinforcing
48" Diameter
Outlet pipe
Portland cement grout
Inlet pipe
SECTION
Grass
Curb iron with environmental message "No dumping - drains to rivers"
Concrete curb
DUMP NO WASTE!
DRAINS TO RIVERS
Outlet pipe
Inlet pipe
TDOT Type B Frame & Grate for 6" Non-mountable Curb
48"Ø Precast concrete manhole with reinforcing
PLAN
24" unless otherwise noted
NO DUMPING
STORM SEWER
DRAINS TO RIVER
Cover and frame shall be H20 Traffic Rated
JUNCTION BOX COVER
24"
24"
Frame & Grate shall be H20 Traffic Rated if located in paved area. Frame & Grate may be non-traffic rated if located in grass area.
Grate shall have a minimum 200 sq. in. open area for flow
Bolt storm drain marker to top of casting
AREA DRAIN/CATCH BASIN
Notes:
1. Catch basin shall be modified to accept John Bouchard and Sons frame and cover No. 1111 (or approved equal) for construction of junction box (gate type C).
2. Catch basin shall be modified to accept John Bouchard No. 4254 frame and grate (or approved equal) for construction of catch basins with no curb iron (grate type B).
3. See TDOT drawing CB-12P for structural details.
Almetek Industries, Inc
1-800-248-2080
www.Almetek.Com
Storm drain marker
item #: SD-4
NO DUMPING
DRAINS TO STREAM
STORM DRAIN MARKER
Marker shall be placed on all storm structures that do not include similar environmental message cast into frame, grate, or cover.
Marker shall be bolted to casting.
Coordinates are given for center of structure. Contractor shall adjust frame and grate location such that curb iron is aligned with curb. If rectangular structure is used in lieu of circular, contractor shall make necessary adjustments for correct installation location.
Station location
Coordinates
Curb
Top elevation along roadway
48" Diameter catch basins are the standard design. However, contractor shall adjust size upward if required due to pipe sizes or angles. The minimum hirzontal distance between any two pipes shall be 8".
Pipe
8" Min.
Pipe

1 N.T.S.	Curb Inlet - Junction Box - Area Drain/Catch Basin Detail

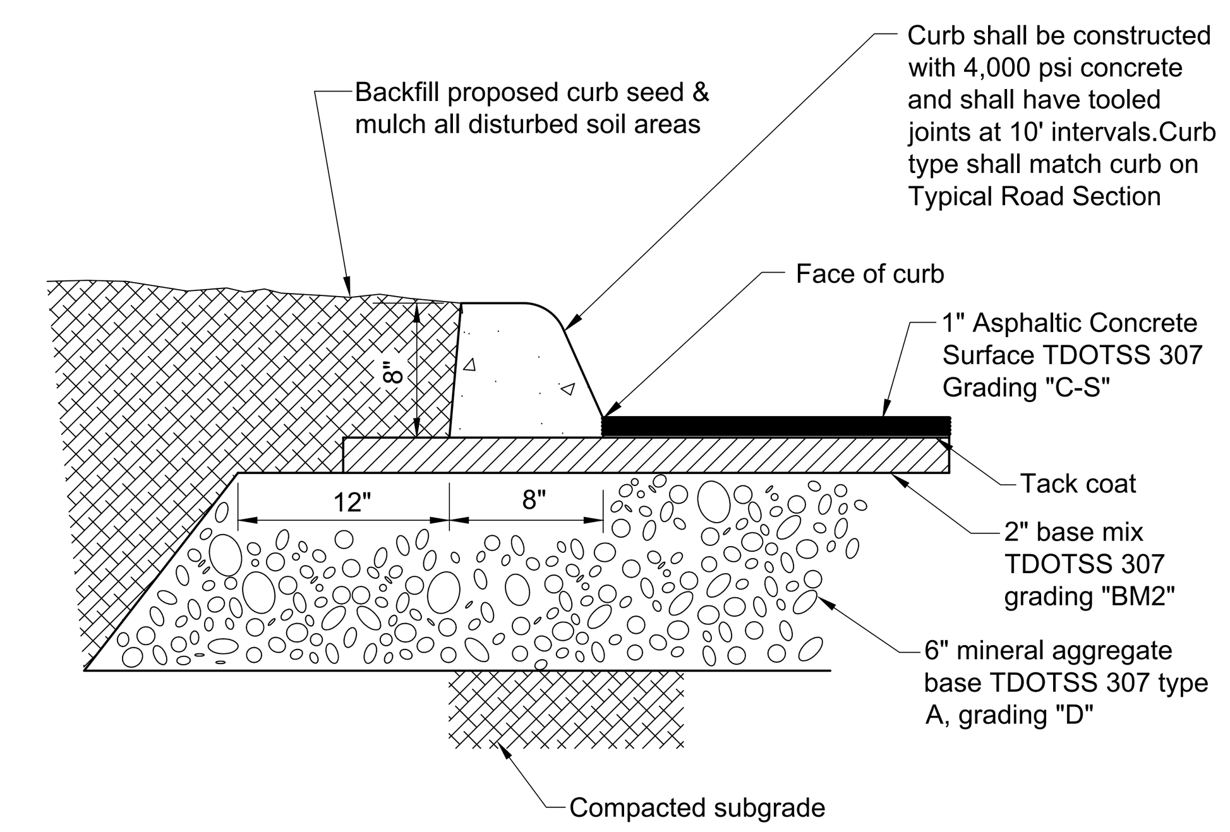


2 N.T.S.	Pipe Bedding



Expansion joints are to be placed 25'(max) apart depending on transverse joint markings and the need to match curb expansion joint where sidewalk is built directly against curb.
5'-0" (Typ.)
Contraction Joint
Curb Expansion Joint
Curb
Expansion Joint
Medium Broom Finish (Typ.)
Plan
Varies - See Plan
4" Stone
Curb and Pavement per Project Detail
Compacted Subgrade
Fiber Board Expansion Joint
Compacted Subgrade
Section With Curb
Slope From Structures
4" Stone
Varies - See Plan
Section - No Curb

3 N.T.S.	Sidewalk Detail



Backfill proposed curb seed & mulch all disturbed soil areas
Curb shall be constructed with 4,000 psi concrete and shall have tooled joints at 10' intervals.Curb type shall match curb on Typical Road Section
Face of curb
1" Asphaltic Concrete Surface TDOTSS 307 Grading "C-S"
Tack coat
2" base mix TDOTSS 307 grading "BM2"
6" mineral aggregate base TDOTSS 307 type A, grading "D"
12"
8"
Compacted subgrade

2 N.T.S.	Medium Duty Paving With Curb - Mail Area

X:\2025\2025088 - Faith Promise Church Children's Wing Addition\DWG\ Faith Promise Childrens Wing - Master.dwg Mar 17, 2026 - 8:46am mbailey - LDS Copyright 2026

1"=50'

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

4-B-26-DP

2

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

△	DATE	DESCRIPTION

SHEET NAME:
Site Details

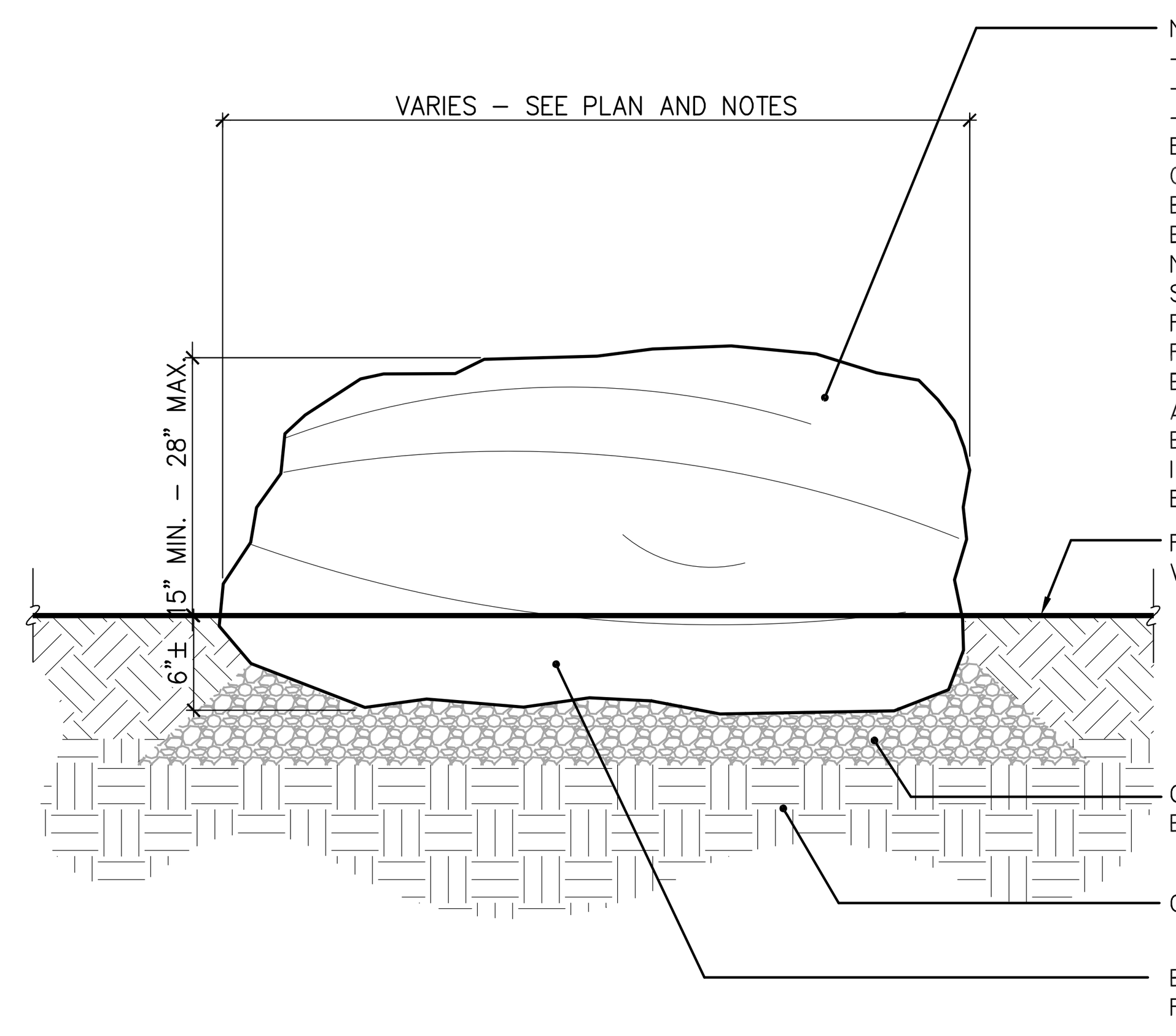
ORIG SUBMISSION: 1/29/2026
CURRENT: 3/12/2026

SHEET:
C501

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PAGE SIZE

FAITH PROMISE CHURCH CHILDREN'S WING - PLANT LIST

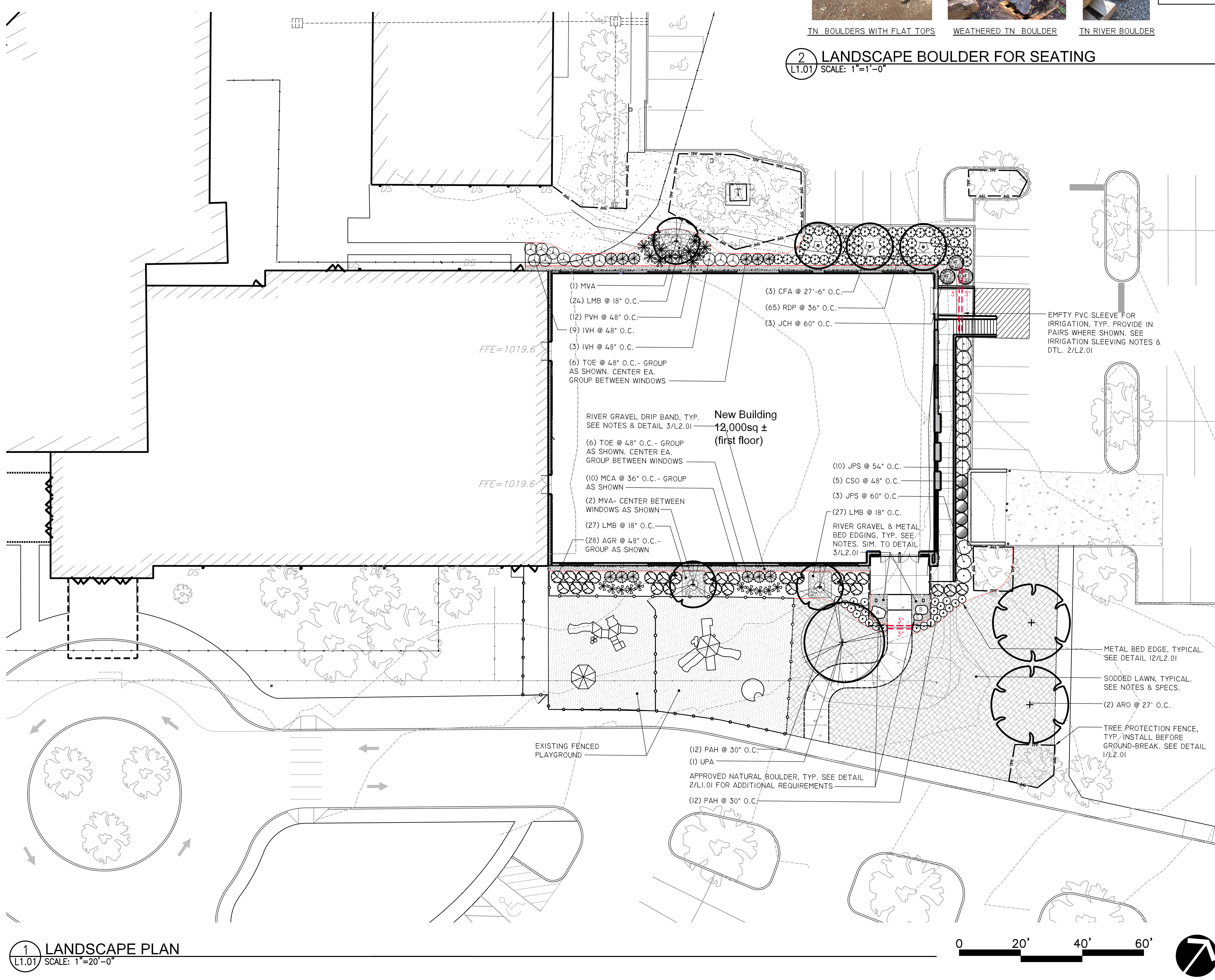
QUANTITY	SYMBOL	COMMON NAME (* denotes evergreen species)	BOTANICAL NAME	ROOTS	MIN. SIZE @ INSTALLATION	REMARKS	MATURE SIZE (HT. X WIDTH) * = spreading
SHADE TREES							
2	ARO	October Glory Red Maple	*Acer rubrum 'October Glory'*	B&B	2" Cal.	Specimen	45' x 30'
1	UPA	Allee Lacebark Elm	*Ulmus parvifolia 'Emer II' Allee*	B&B	2" Cal.	Specimen	55' x 35'
3							
ORNAMENTAL TREES							
3	CFA	Appalachian Spring Dogwood	*Cornus florida 'Appalachian Spring'*	B&B	6'-8' Ht.	Matched Specimen	18' x 18'
3	MVA	Moonglow Sweetbay Magnolia (STD)*	*Magnolia virginiana 'Jim Wilson'*	B&B	2" Cal.	Matched Specimen, Standard (Single Trunk)	30' x 15'
6							
EVERGREEN TREES							
3	JCH	Hetzii Juniper*	*Juniperus chinensis 'Hetzii Columnaris'*	B&B	6' Ht.	Full to Ground @ 5' O.C.	13.5' x 4.5'
12	TOE	Emerald Green Arborvitae*	*Thuja occidentalis 'Emerald Green'*	Cont.	48" Ht.	Full to Ground @ 48' O.C.	12' x 3.5'
15							
SHRUBS							
28	AGR	Rose Creek Abelia*	*Abelia grandiflora 'Rose Creek'*	Cont.	3 Gal.	Full Plants @ 48" O.C.	48" x 60"
5	CSO	October Magic Camellia*	*Camellia sasanqua 'October Magic'*	Cont.	3 Gal.	Full Plants @ 48" O.C.	48" x 60"
12	IVH	Henry's Garnet Sweetspire	*Itea virginica 'Henry's Garnet'*	Cont.	3 Gal.	Full Plants @ 48" O.C.	42" x 60"
13	JPS	Sea Green Juniper*	*Juniperus x pfitzeriana 'Sea Green'*	Cont.	3 Gal.	Full Plants @ 60" O.C.	60" x 96"
65	RDP	Peach Drift Rose	*Rosa hybrid 'Meiggili'*	Cont.	3 Gal.	Full Plants @ 36" O.C.	24" x 30"
123							
GROUND COVERS & PERENNIALS							
78	LMB	Big Blue Liriope*	*Liriope muscari 'Big Blue'*	Cont.	1 Gal.	Full Plants @ 18" O.C.	16" x 18"
10	MCA	Pink Muhly Grass	*Muhlenbergia capillaris*	Cont.	1 Gal.	Full Plants @ 36" O.C.	30" x 30"
12	PVH	Heavy Metal Switchgrass	*Panicum virgatum 'Heavy Metal'*	Cont.	3 Gal.	Full Plants @ 36"-48" O.C., see plan	54" x 24"
24	PAH	Hameln Pennisetum	*Pennisetum allopecuroides 'Hameln'*	Cont.	1 Gal.	Full Plants @ 30" O.C.	30" x 30"
124							
LAWNS							
4,225		Sodded Lawns - Fescue Blend		Sod	SF	See Notes and Specifications	



TN BOULDERS WITH FLAT TOPS — WEATHERED TN BOULDER — TN RIVER BOULDER

LANDSCAPE BOULDER EXAMPLES. THE ARCHITECT AND LANDSCAPE ARCHITECT SHALL REVIEW AND APPROVE THE FINAL LOCATIONS/ ORIENTATIONS OF EACH BOULDER.

2 / L1.01 LANDSCAPE BOULDER FOR SEATING
SCALE: 1"=1'-0"



1 / L1.01 LANDSCAPE PLAN
SCALE: 1"=20'-0"

TTCDA NOTES:

1. PROPOSED IMPROVEMENTS INCLUDE A BUILDING EXPANSION AND PROPOSED SIDEWALKS. THE PROPOSED IMPROVEMENTS SHALL UTILIZE EXISTING PARKING WHICH IS NOT VISIBLE FROM THE PUBLIC R.O.W.
2. TTCDA GUIDELINES 3.1.4: AT LEAST 25% OF PROPOSED/EXISTING TREES SHALL BE EVERGREEN. 63% OF THE PROPOSED TREES ARE EVERGREEN.
3. TTCDA GUIDELINES 3.1.5: FOR DEVELOPMENT SITES, AT LEAST 10 LARGE MATURING TREES ARE REQUIRED PER ACRE OF YARD SPACE. 0.3 ACRES OF YARD SPACE X 10 = 3 (MIN.) LARGE TREES REQUIRED. 3 LARGE MATURING TREES ARE PROPOSED IN YARD SPACE OPEN AREAS.
4. TTCDA GUIDELINES 3.1.7: EVERGREEN PLANT MATERIAL SHOULD BE USED TO SCREEN PARKING AND TO PROVIDE TRANSITIONS BETWEEN LAND USES. EVERGREEN SHRUBS ARE PROPOSED TO SCREEN PARKING.
5. TTCDA GUIDELINES 3.3.3: AREAS AROUND THE BUILDINGS EQUAL TO AT LEAST 50% OF EACH FRONT AND SIDE ELEVATIONS SHALL BE LANDSCAPED WITH ORNAMENTAL TREES, SHRUBS AND BEDDING PLANTS.
6. TTCDA GUIDELINES 3.3.6: LANDSCAPING SHOULD BE USED TO SCREEN MECHANICAL EQUIPMENT AND OTHER UNSIGHTLY BUILDING ELEMENTS. EVERGREEN SHRUBS ARE PROPOSED TO SCREEN THE DUMPSTER ENCLOSURES AND MECHANICAL EQUIPMENT.
7. TTCDA GUIDELINES 3.4.1: PARKING AREAS SHOULD BE SCREENED FROM PUBLIC RIGHTS-OF-WAY.
8. TTCDA GUIDELINES 3.4.3: TREES SHALL BE REQUIRED AT THE RATE OF ONE (1) MEDIUM OR LARGE MATURING CANOPY TREE FOR EVERY TEN PARKING SPACES PROVIDED.
9. TTCDA GUIDELINES 3.4.4: IN ADDITION TO THE PLANTING OF REQUIRED CANOPY TREES, PLANTING AREAS FOR ORNAMENTAL TREES, SHRUBBERY AND BEDDING PLANTS SHALL BE NO LESS THAN FIVE (5) PERCENT OF THE SURFACE AREA DEVOTED TO PARKING.

LANDSCAPE NOTES:

1. PRIOR TO GROUND BREAK, COORDINATE PROTECTION OF EXISTING TREES TO BE PRESERVED WITH GENERAL CONTRACTOR. SEE SPECIFICATIONS AND TREE PRESERVATION DETAIL.
2. THE LOCATION OF ALL SURFACE AND UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR AT GROUND BREAK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES FROM DAMAGE AS REQUIRED DURING CONSTRUCTION AND TO REPAIR ANY DAMAGE WHICH SHOULD OCCUR TO THE SATISFACTION OF THE OWNER.
3. HALF TONE IMAGES ARE EXISTING CONDITIONS INCLUDED FOR REFERENCE. PROTECT FROM DAMAGE.
4. NO PLANTING SHALL OCCUR UNTIL LANDSCAPE SUBMITTALS HAVE BEEN SUBMITTED AND APPROVED. SEE SPECIFICATIONS.
5. TOPSOIL SHALL BE APPROVED IN ACCORDANCE WITH THE SPECIFICATIONS.
6. ALL AREAS OF MASS PLANTING SHALL RECEIVE 8" OF APPROVED TOPSOIL. SEEDED LAWNS SHALL RECEIVE 4" OF APPROVED TOPSOIL. SODDED LAWNS SHALL RECEIVE 3" OF APPROVED TOPSOIL. SEE SPECIFICATIONS.
7. DO NOT MAKE SUBSTITUTIONS WITHOUT WRITTEN APPROVAL. SEE SPECIFICATIONS.
8. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. PLANT MATERIAL DELIVERED TO THE SITE THAT DOES NOT MEET THE REQUIREMENTS STATED HEREIN MAY BE REJECTED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
9. ALL PLANTS SHALL BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. THE LOCATION OF ALL TREES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE THE DIGGING OF PITS. PLANTING SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS OR WHERE FIELD LOCATED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
14. AT START OF CONSTRUCTION OPERATIONS IDENTIFY AREAS OF GRASS TO BE KILLED. COMPLETELY ERADICATE ALL GRASS IN AREAS SHOWN TO BE WITHIN A MULCHED BED.
15. PROTECT EXISTING GRASS AREAS TO REMAIN. SEED ALL AREAS WITHIN AND ADJOINING PROJECT LIMITS DISTURBED AS A RESULT OF CONSTRUCTION OPERATIONS WHICH ARE NOT OTHERWISE SHOWN TO BE PLANTED.
16. ESTABLISH SMOOTH CURVILINEAR MOWING/BED LINES WHERE LAWN MEETS MULCHED SHRUB OR GROUND COVER MASS. BED LINE LOCATIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE BEGINNING BED PREPARATION.
17. DO NOT ASSUME TRUNK FLARE WILL BE EXPOSED AT NURSERY. PRIOR TO PLANTING, CONTRACTOR SHALL EXPOSE ROOT FLARES. TREE PLANTING DEPTH SHALL BE DETERMINED BY INSTALLING ROOT FLARES 1" MIN. TO 2" MAX ABOVE FINISHED GRADE. SEE PLANTING DETAILS.
18. PERCOLATION TESTS ARE REQUIRED FOR ALL TREES. SEE SPECIFICATIONS.
19. SOD ALL AREAS SHOWN WITH SOD HATCH PATTERN. SEE SPECIFICATIONS.
20. SEED ALL AREAS SHOWN WITH STIPPLE HATCH PATTERN. SEE SPECIFICATIONS.
21. SQUARE FOOTAGE OF SEED AND SOD QUANTITIES SHOWN ON PLANT LIST IS APPROXIMATE. CONTRACTOR TO VERIFY QUANTITIES PRIOR TO PURCHASE AND INSTALLATION.
22. MULCH ALL AREAS OF TREE, SHRUB AND GROUND COVER MASS PLANTING WITH 3" OF SHREDDED HARDWOOD BARK MULCH AS SPECIFIED.
23. PROVIDE 4' DIAMETER MULCH RINGS FOR SHADE TREES AND EVERGREEN TREES. PROVIDE 3' DIAMETER MULCH RINGS FOR ORNAMENTAL TREES. IF EVERGREEN TREES ARE SPECIFIED AS FULL TO GROUND, EXTEND MULCH RING 12" MIN. BEYOND EDGE OF PLANT. SEE PLANTING DETAILS.
24. SUBMIT SAMPLES OF RIVER GRAVEL AND/ OR RIVER ROCK FOR APPROVAL. INSTALL AT AREAS INDICATED ON LANDSCAPE PLAN AT 3" MIN. - 8" DEPTH AS APPROPRIATE FOR THE AGGREGATE/ ROCK SIZE APPROVED.
25. FURNISH AND INSTALL METAL BED EDGING AT ALL BEDLINES SHOWN ON THE DRAWINGS. SEE DETAIL.
26. CONTRACTOR TO PROVIDE ONE YEAR WARRANTY FOR ALL MATERIAL FROM THE DATE OF SUBSTANTIAL COMPLETION. SEE SPECIFICATIONS.

LAWN NOTES:

1. SEED ALL LAWN AREAS AND ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS WITH APPROVED FESCUE BLEND.
2. VERIFY SUBGRADE IS AT PROPER LEVELS FOR TOPSOIL AND SOD OR SEED INSTALLATION. PROCEED WITH AND COMPLETE LAWNS AND GRASSES AS RAPIDLY AS PORTIONS OF SITE BECOME AVAILABLE, WORKING WITHIN SEASONAL LIMITATIONS.
3. FOR NEW LAWNS, PREPARE SOIL BY TILLING TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE, FREE OF LUMPS, CLODS OR STONES LARGER THAN 2" IN GREATEST DIMENSION, ROOTS AND OTHER EXTRANEOUS MATERIAL TO A DEPTH OF NOT LESS THAN 4"; ELIMINATING UNEVEN AREAS AND LOW SPOTS; REMOVING FOREIGN MATERIALS; SPREADING TOPSOIL TO A 4" MINIMUM DEPTH FOR SEEDED LAWNS OR TO A 3" MINIMUM DEPTH FOR SODDED LAWNS.
4. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED. ENSURE THAT TOPSOIL IS FERTILE, FRIABLE, NATURAL LOAM, TYPICAL FOR LOCALITY; CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH; TAKEN FROM WELL-DRAINED SITE; FREE OF SUBSOIL, CLAY LUMPS OR STONES LARGER THAN 2" IN GREATEST DIMENSION, PLANTS, WEEDS, AND ROOTS; HAVING PH VALUE OF 5.5 MINIMUM AND 7.0 MAXIMUM; CONTAINING 6 PERCENT MINIMUM ORGANIC MATTER. AMEND TOPSOIL WITH FERTILIZER AND/OR LIME AS REQUIRED TO PROMOTE VIGOROUS LAWN GROWTH.
5. REFURBISH EXISTING LAWNS TO REMAIN WHICH HAVE NOT BEEN DISTURBED BY CONSTRUCTION. INCLUDE CORE AERATION, OVERSEEDING, STRAW AT THIN OR BARE AREAS AND FERTILIZER AS REQUIRED.
6. PROVIDE FERTILIZER, WITH NOT LESS THAN 6 PERCENT TOTAL NITROGEN, 12 PERCENT PHOSPHORIC ACID, AND 12 PERCENT SOLUBLE POTASH. PROVIDE NITROGEN IN A FORM THAT WILL BE AVAILABLE TO LAWN DURING INITIAL PERIOD OF GROWTH; AT LEAST 50% OF NITROGEN TO BE ORGANIC FORM. PROVIDE LIME FROM NATURAL DOLOMITIC LIMESTONE CONTAINING NOT LESS THAN 85% OF TOTAL CARBONATES WITH A MINIMUM OF 30% MAGNESIUM CARBONATES, GROUND SO THAT NOT LESS THAN 90% PASSES A 10-MESH SIEVE AND NOT LESS THAN 50% PASSES A 100-MESH SIEVE.
7. LIMIT PREPARATION TO AREAS WHICH SHALL BE SEEDED OR SODDED IMMEDIATELY.
8. WATER THOROUGHLY AND ALLOW SURFACE MOISTURE TO DRY BEFORE SEEDING OR SODDING. DO NOT CREATE A MUDDY CONDITION. DO NOT SEED OR SOD WHEN THE GROUND IS FROZEN.
9. FOR SODDED AREAS:
   - 9.1. COMPLY WITH AMERICAN SOD PRODUCERS ASSOCIATION (ASPA) "GUIDELINE SPECIFICATIONS FOR SODDING" FOR HARVESTING AND INSTALLING SOD.
   - 9.2. TIME SOD DELIVERY SO THAT IT WILL BE PLACED WITHIN 24 HOURS AFTER STRIPPING. PROTECT SOD AGAINST DRYING AND BREAKING.
   - 9.3. PROVIDE STRONGLY ROOTED CULTIVATED GRASS SOD, NOT LESS THAN 1 YEAR OLD, FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES PRINCIPALLY COMPOSED OF : 40% THERMAL BLUE OR SPF-30 BLUE GRASS, 20% MONET TALL FESCUE, 20% VAN GOGH TALL FESCUE AND 20% PADRE TALL FESCUE. BROKEN PADS OR PADS WITH UNEVEN ENDS WILL NOT BE ACCEPTABLE. SOD PADS INCAPABLE OF SUPPORTING THEIR OWN WEIGHT.
10. MAINTAIN LAWNS UNTIL GRASS IS WELL ESTABLISHED AND EXHIBITS A VIGOROUS GROWING CONDITION AND NOT LESS THAN 60 DAYS FROM DATE OF SUBSTANTIAL COMPLETION. IF SEEDED IN FALL CONTINUE MAINTENANCE THE FOLLOWING SPRING UNTIL ACCEPTABLE LAWN IS ESTABLISHED.
11. WARRANTY LAWNS FOR ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
12. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

IRRIGATION NOTES:

1. CONTRACTOR SHALL DESIGN AND PROVIDE A COMPLETE LANDSCAPE IRRIGATION SYSTEM. COORDINATE AS REQUIRED WITH EXISTING IRRIGATION SYSTEM.
2. PROVIDE A DEDICATED WATER METER FOR IRRIGATION. COORDINATE AS REQUIRED.
3. PRIOR TO IRRIGATION DESIGN, THE CONTRACTOR SHALL DISCUSS THE LIMITS OF THE IRRIGATION SYSTEM WITH THE OWNER AND THE CONTRACTOR SHALL SUBMIT A WRITTEN AND OR GRAPHIC REPRESENTATION OF THE LIMITS OF THE IRRIGATION SYSTEM.
4. CONTRACTOR SHALL SUBMIT AN IRRIGATION SLEEVING PLAN AND IRRIGATION PLAN FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
5. SEE DETAIL 2/L2.01 FOR IRRIGATION SLEEVING. POTENTIAL SLEEVE ROUTING IS ILLUSTRATED ON THE LANDSCAPE PLANS.
6. COORDINATE INSTALLATION OF IRRIGATION SLEEVES WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION OF PAVING.
7. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

BENJAMIN JOSEPH PETH... REGISTERED LANDSCAPE ARCHITECT — AGRICULTURE — COMMERCE — STATE OF TENNESSEE

4-B-26-DP 2

THE PENLAND STUDIO
LANDSCAPE ARCHITECTURE
2110 HOLDERWOOD LANE
KNOXVILLE, TENNESSEE 37922
865.335.3584

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
1	2026.01.29	CD DRAWING SET
2	2026.03.10	PLANNING COMMENTS

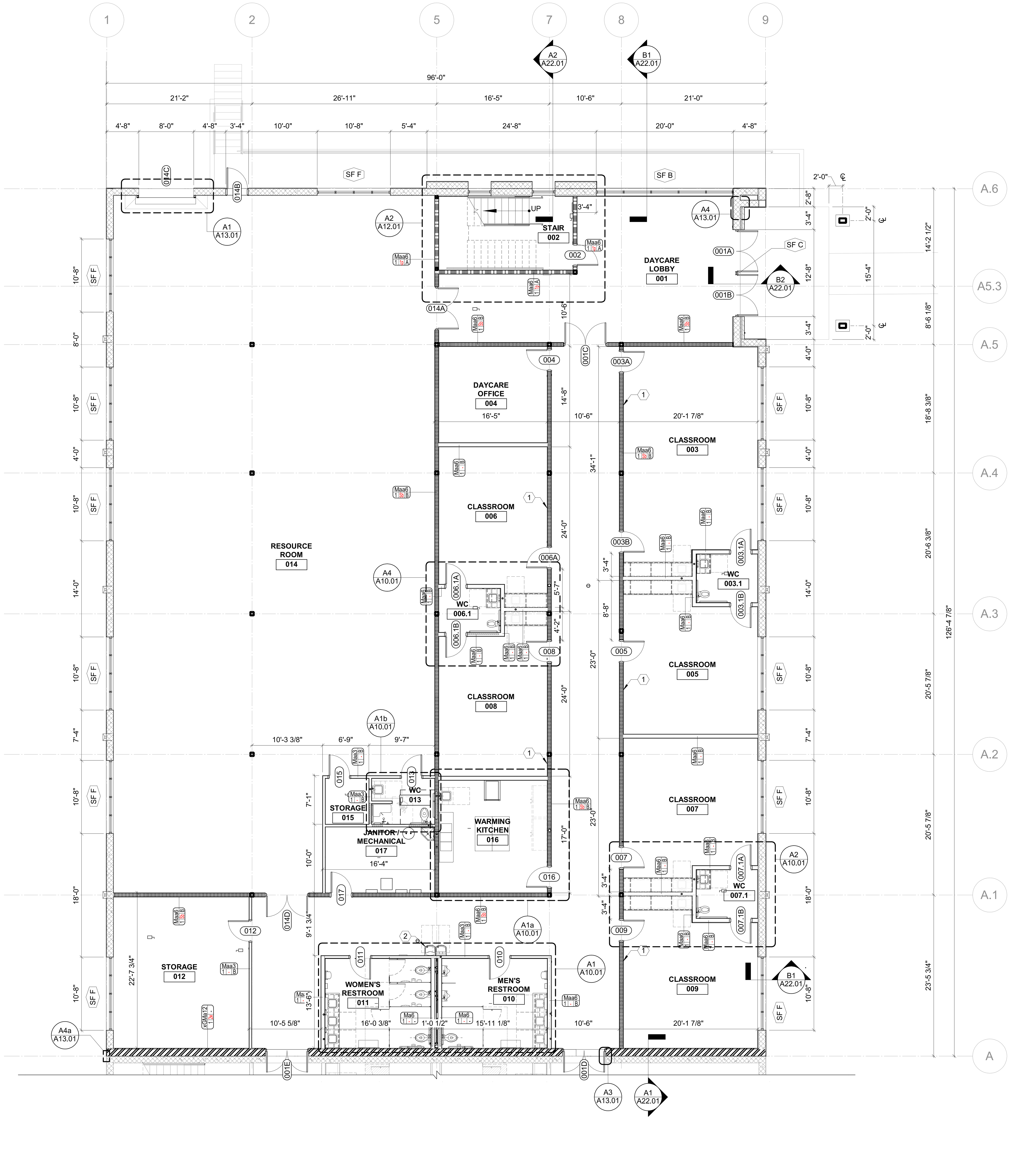
SHEET NAME:
Landscape Plan

ORIG SUBMISSION: 2026.01.29
CURRENT: 2026.03.10

CD DRAWING SET

SHEET:
L1.01

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE



A1 A1.00 FLOOR PLAN- LEVEL 01 1/8" = 1'-0"

FLOOR PLAN NOTES

NUM.	NOTE
1	CORRIDOR WALLS TO BE SMOK BARRIERS PER NFPA 101, SECTION 8.4.
1	CORRIDOR WALLS TO BE SMOKE BARRIERS PER NFPA 101, SECTION 8.4.
2	ADA CANE DETECTION REQUIRED

GENERAL NOTES- FLOOR PLANS

1. DIMENSIONS TO FACE OF PARTITIONS ARE TO FINISH FACE OF SUBSTRATE LAYER AS SHOWN IN PARTITION TYPES ON A0.11.
2. FINISHES DEPICTED IN FINISH PLANS AND ELEVATIONS ARE NOT SHOWN ON PARTIAL FLOOR PLANS. REFER TO ENLARGED PLANS, ELEVATIONS, AND DETAILS.
3. PROVIDE MOISTURE-RESISTANT GYPSUM BOARD IF WALL FACE CONTAINS A PLUMBING FIXTURE, IS LOCATED IN A RESTROOM, OR IS WITHIN 2' OF A PLUMBING FIXTURE.
4. PROVIDE CEMENT BACKERBOARD IN LIEU OF GYPSUM BOARD WHERE TILE FINISH IS SPECIFIED.
5. ALL NON-BEARING WALL FRAMING TO BE 16" OC. SEE STRUCTURAL FOR BEARING WALL FRAMING.
6. PROVIDE BLOCKING AS NEEDED TO MOUNT SHOWN HANDRAILS, FIXTURES, AND ACCESSORIES.
7. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, CONTRACTOR SHALL OBTAIN CLARIFICATION, IN WRITING, FROM THE ARCHITECT.
8. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL CODES, REGULATIONS AND ORDINANCES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR CONSTRUCTION.
9. CONSTRUCTION MATERIALS SPECIFIED AND NOTED ON THE DRAWINGS ARE REPRESENTATIVE OF THE GENERAL DESIGN INTENT.
10. GENERAL CONTRACTOR TO VERIFY CONDITIONS PRIOR TO BIDDING. IF CONDITIONS ARE DIFFERENT THAN SHOWN IN DRAWINGS, CONTACT ARCHITECT IMMEDIATELY.
11. WHERE A DETAIL IS SHOWN OR A NOTE IS DESCRIBED FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY NOTED ON THE DRAWINGS.
12. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SURROUNDINGS PROPERTY, STREETS, WALKS, ETC. DURING CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED AS A RESULT.
13. CONTRACTOR TO COORDINATE LOCATION OF TEMPORARY CONSTRUCTION BARRIERS WITH OWNER. MEANS OF EGRESS EXIT ACCESS ROUTES MUST REMAIN OPEN AND ACCESSIBLE TO ALL OCCUPANTS.
14. DOORS AT CORNERS TO BE 4" - 6" U.O.N.

LEGEND- FLOOR PLANS

BUILDING ELEMENTS

EXISTING PARTITION TO REMAIN

TEMPORARY PARTITION

PARTITION

DOOR TAG (SHOWS DOOR NUMBER): REFER TO DOOR SCHEDULE

DOOR TAG (SHOWS DOOR TYPE): REFER TO UNIT DOOR SCHEDULE

TLT01 ITEM TAG: REFER TO ITEM TYPE SCHEDULES

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

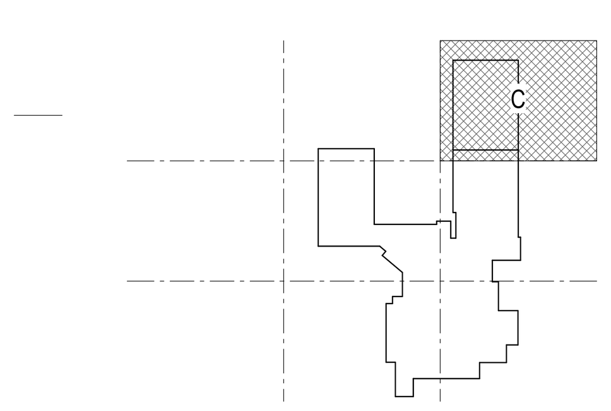
COREY JON BOSS REGISTERED ARCHITECT STATE OF TENNESSEE No. 107508
COREY BOSS
107508

CHILDREN'S WING ADDITION AT FAITH PROMISE CHURCH

10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
1	2026.01.29	CD DRAWING SET



SHEET NAME:

FLOOR PLAN- LEVEL 01

ORIG SUBMISSION: 2026.01.30

CURRENT: 2026.01.29

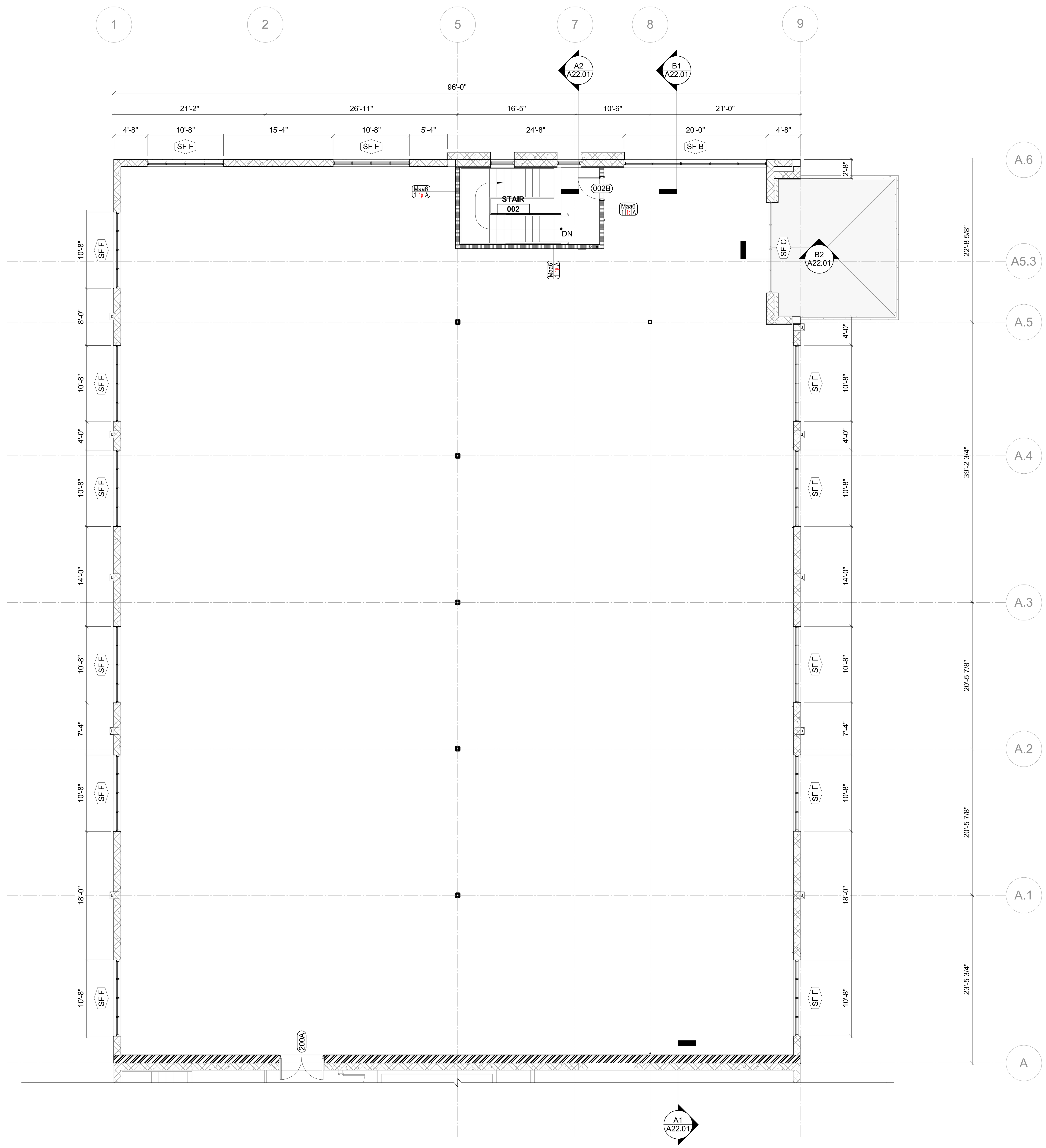
CD DRAWING SET

SHEET:

A1.00

3/17/2026 4:29:44 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PAGE SIZE



FLOOR PLAN NOTES

NUM.	NOTE
1	CORRIDOR WALLS TO BE SMOK BARRIERS PER NFPA 101, SECTION 8.4.
1	CORRIDOR WALLS TO BE SMOKE BARRIERS PER NFPA 101, SECTION 8.4.
2	ADA CANE DETECTION REQUIRED

FIRE CODES NFPA:

RESPONDING FIRE DEPARTMENT:

FIRE CHEIF: DARON LONG
RESPONDING FIRE STATION: KARNS FIRE DEPARTMENT
MAILING ADDRESS: 3224 MEADOWRUN LANE
PHONE NUMBER: 865-691-1333
EMAIL: CONTACT@KARNSFIRE.ORG

FIRE CODES NFPA QUESTIONAIRE:

NUMBER OF CLIENTS FOR WHICH LICENSED: 162
STATE LICENSING AGENCY: CHILD AND ADULT LICENSING, 227 FRENCH LANDING DRIVE, NASHVILLE, TN 37228 (615) 517-5648 (CO. RACHAEL POGUE)
CLIENTS AGE 2 1/2 YEARS OR LESS: 90
CLIENTS AGE OLDER THAN 2 1/2: 72

GENERAL NOTES- FLOOR PLANS

1. DIMENSIONS TO FACE OF PARTITIONS ARE TO FACE OF SUBSTRATE LAYER AS SHOWN IN PARTITION TYPES ON A0.11. FINISHES DEPICTED IN FINISH PLANS AND ELEVATIONS ARE NOT SHOWN ON OVERALL FLOOR PLANS. REFER TO ENLARGED PLANS, ELEVATIONS, AND DETAILS.
2. REFER TO PARTIAL PLANS FOR MORE INFORMATION. OVERALL PLANS ARE INTENDED TO PROVIDE CONTEXT FOR PARTIAL PLANS.

LEGEND- FLOOR PLANS

BUILDING ELEMENTS

EXISTING PARTITION TO REMAIN
TEMPORARY PARTITION
PARTITION
DOOR TAG (SHOWS DOOR NUMBER): REFER TO DOOR SCHEDULE
DOOR TAG (SHOWS DOOR TYPE): REFER TO UNIT DOOR SCHEDULE
TLT01 ITEM TAG: REFER TO ITEM TYPE SCHEDULES

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

COREY JON BOSS REGISTERED ARCHITECT No. 107508 STATE OF TENNESSEE

COREY BOSS
107508

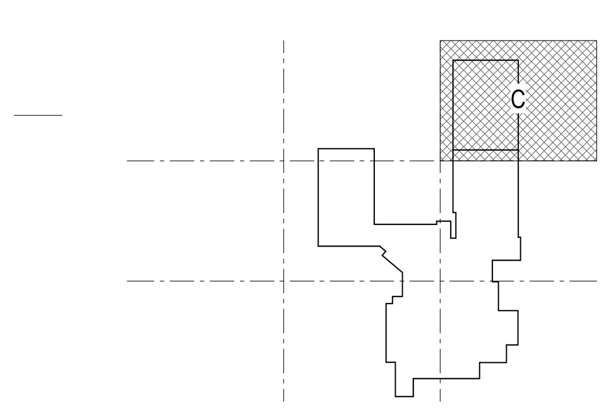
4-B-26-DP

CHILDREN'S WING ADDITION AT FAITH PROMISE CHURCH

10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
1	2026.01.29	CD DRAWING SET
2	2026.03.19	REVISION 01



SHEET NAME:

FLOOR PLAN- LEVEL 02

ORIG SUBMISSION: 2026.01.30
CURRENT: 2026.03.19

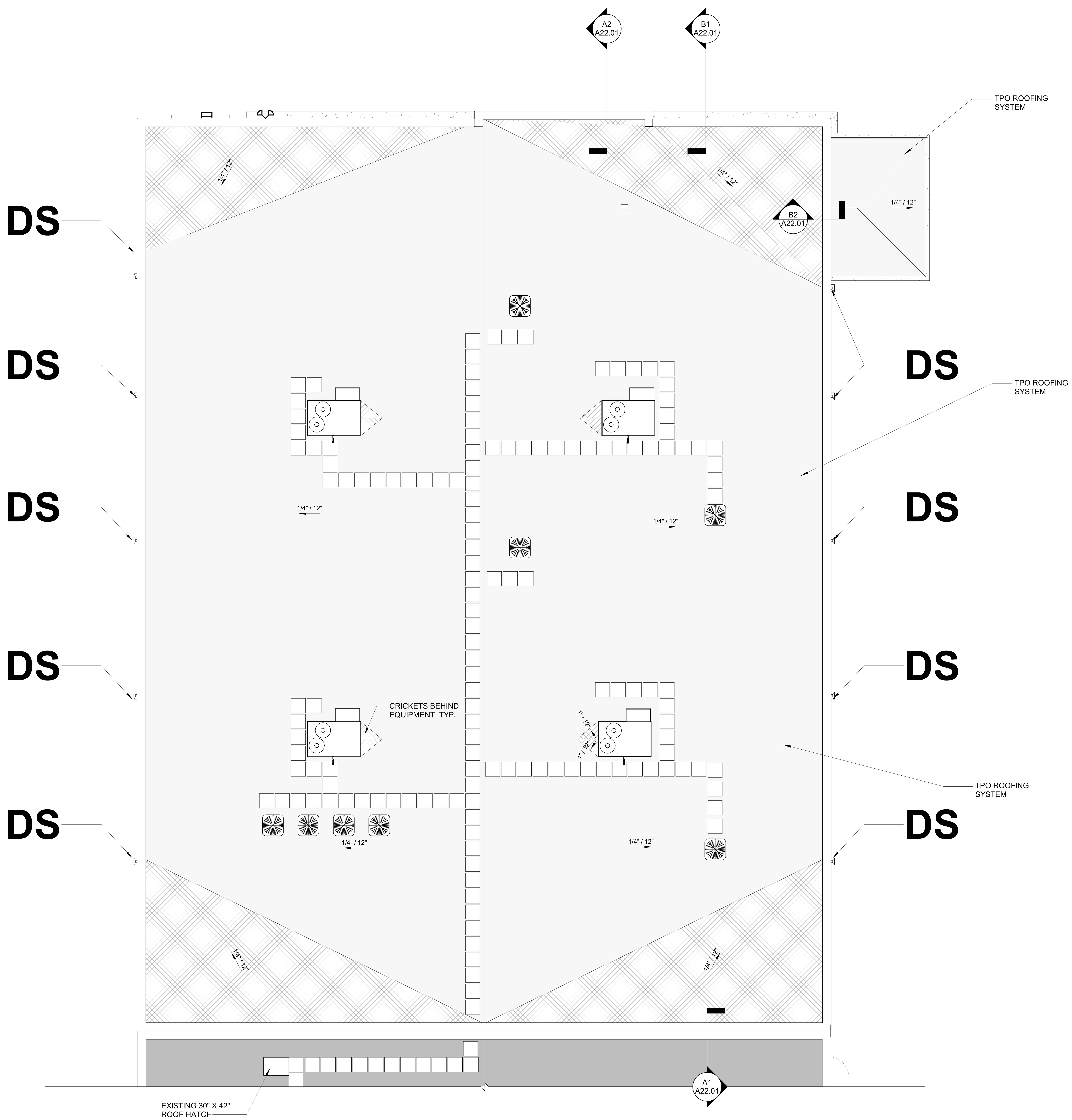
REVISION 01

SHEET:

A1.01

A1 / A1.01 FLOOR PLAN- LEVEL 02 1/8" = 1'-0"

3/17/2026 4:29:44 PM



A1
A1.R1
ROOF PLAN
1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

3/17/2026 4:29:40 PM

ROOF PLAN NOTES

NUM.	NOTE

GENERAL NOTES- ROOF PLANS

1. ITEMS FROM MECHANICAL, PLUMBING, AND ELECTRICAL SCOPES MAY BE SHOWN FOR REFERENCE AND COORDINATION ONLY. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS OF PIPING, CURBS, VENTS, DUCTS, FANS, AND OTHER ITEMS ON THE ROOF SURFACE
2. ALL ROOF FLASHING TO BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS
3. CONTRACTOR TO PROVIDE ADAQUATE SCREENING FOR ROOFTOP MECHANICAL EQUIPMENT PER AHJ REQUIREMENTS.
4. WALKING PADS/PROTECTION FROM MAINTENANCE ACCESS TO ROOF TOP EQUIPMENT TO BE PROVIDED PER MANUFACTURERS RECOMENDATIONS.

LEGEND- ROOF PLANS

BUILDING ELEMENTS

EXISTING PARTITION TO REMAIN
TEMPORARY PARTITION
PARTITION

-215.000
MARKER (LEADER)
ELEVATION AT MARKER
MINIMUM REQUIRED SLOPE- THIS RIDGE OR VALLEY (PARALLEL TO ARROW HEAD)
MINIMUM REQUIRED SLOPE (PLANE OF ROOF ENCLOSING TAIL OF ARROW)
TAPERED INSULATION (CRICKET) UNDERNEATH ROOFING SYSTEM (HATCHED AREA)
ROOF WALK MATS/PADS
RD — ROOF DRAIN (REFER TO PLUMBING DRAWINGS)
OD — OVERFLOW DRAIN (REFER TO PLUMBING DRAWINGS)
SD1 — SCUPPER AND DOWNSPOUT (REFER TO PLUMBING DRAWINGS)
SC1 — SCUPPER (REFER TO PLUMBING DRAWINGS)

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

COREY JON BOSS — REGISTERED ARCHITECT — STATE OF TENNESSEE — No. 107508

COREY BOSS
107508

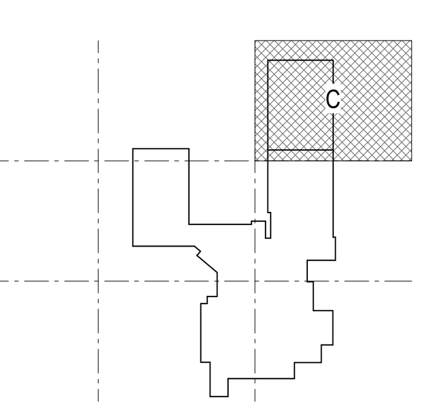
4-B-26-DP

CHILDREN'S WING ADDITION AT FAITH PROMISE CHURCH

10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
1	2026.01.29	CD DRAWING SET
2	2026.03.19	REVISION 01

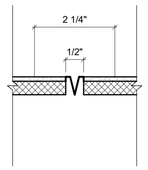


SHEET NAME:
ROOF PLAN

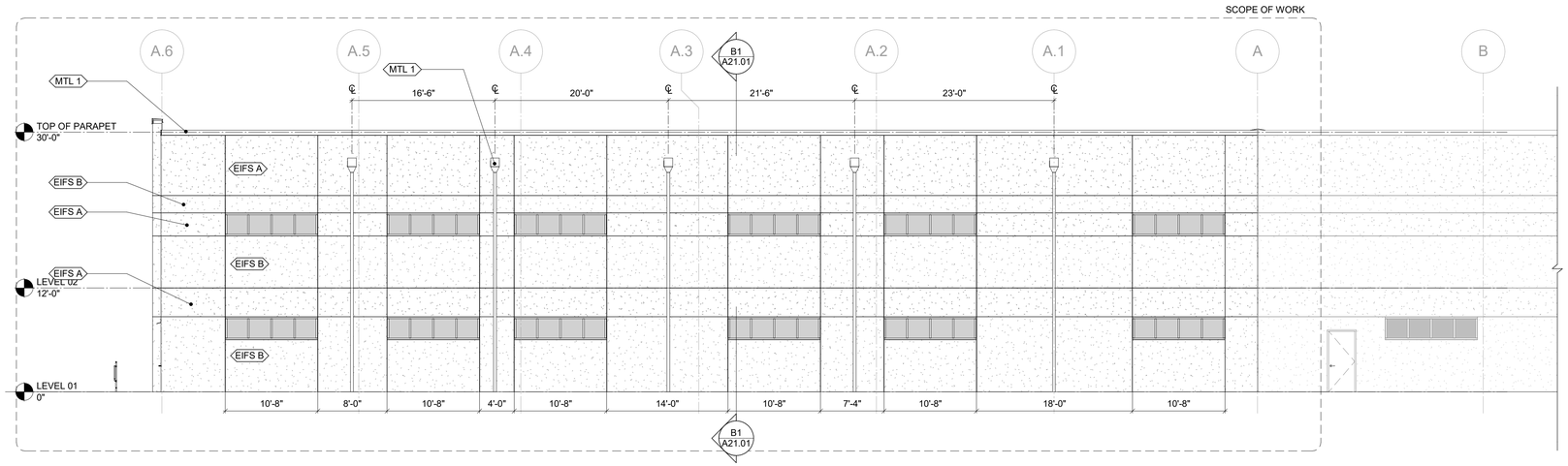
ORIG SUBMISSION: 2026.01.30
CURRENT: 2026.03.19
REVISION 01

SHEET:
A1.R1

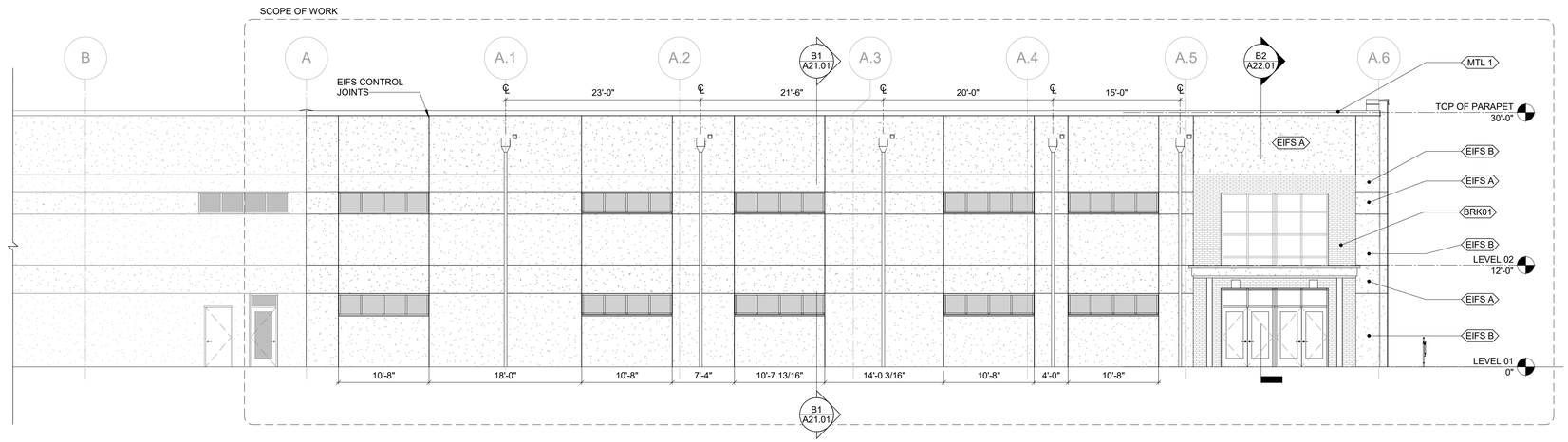
THE LINE SHOWN ABOVE IS 1/2" LONG WHEN PLOTTED AT THIS SHEETS ORIGINAL PAGE SIZE



C1 A20.01	Detail_EIFs Joint	6" = 1'-0"



B1 A20.01	ELEVATION- EXTERIOR- WEST	1/8" = 1'-0"



A1 A20.01	ELEVATION- EXTERIOR- EAST	1/8" = 1'-0"

3/17/2026 4:29:42 PM

EXTERIOR ELEVATION NOTES

NUM.	NOTE

MATERIAL LEGEND (EXTERIOR)

TAG	MATERIAL DESCRIPTION
AL 1	
BRK01	"SABLE SMOOTH" BY CAROLINA CERAMICS BRICK COMPANY
EIFS A	STO #93330 "CHAMPAGNE"
EIFS B	STO #10612 "AUTUMN WHEAT"
GL11	
MTL 1	METAL COPING, DOWNSPOUTS, AND SCUPPERS

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

COREY JON BOSS — AGRICULTURE — LICENSED — No. 107508 — STATE OF TENNESSEE

1/19/2026

COREY BOSS
107508

4-B-26-DP 2

CHILDREN'S WING ADDITION AT FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
1	2026.01.29	CD DRAWING SET
2	2026.03.19	REVISION 01

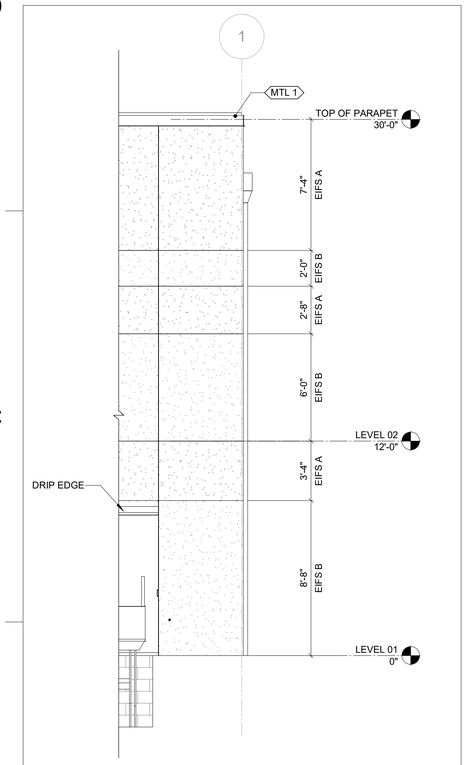
SHEET NAME:
EXTERIOR ELEVATIONS

ORIG SUBMISSION: 2026.01.30
CURRENT: 2026.03.19
REVISION 01

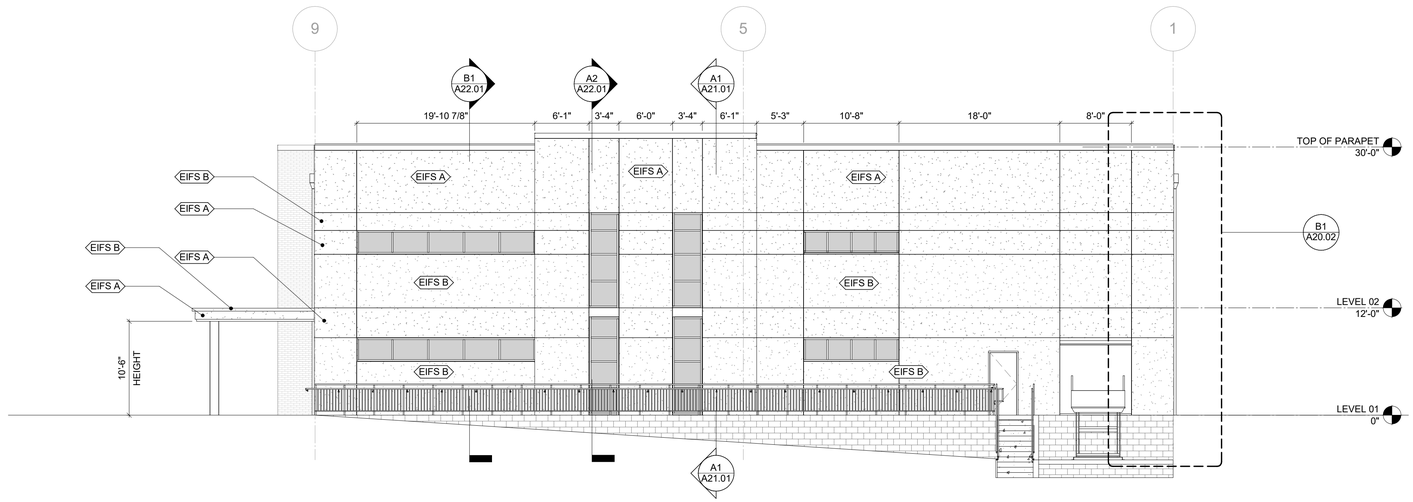
SHEET:
A20.01

1 2 3 4 5

THE LINE SHOWN ABOVE IS 1/2" LONG WHEN PLOTTED AT THIS SHEETS ORIGINAL PAGE SIZE



B1 A20.02	Elevation -EIFS-Typ.	1/4" = 1'-0"



A1 A20.02	ELEVATION- EXTERIOR- NORTH	1/8" = 1'-0"

3/17/2026 4:29:45 PM

EXTERIOR ELEVATION NOTES

N	NOTE

MATERIAL LEGEND (EXTERIOR)

TAG	MATERIAL DESCRIPTION
AL 1	
BRK01	"SABLE SMOOTH" BY CAROLINA CERAMICS BRICK COMPANY
EIFS A	STO #93330 "CHAMPAGNE"
EIFS B	STO #10612 "AUTUMN WHEAT"
GL11	
MTL 1	METAL COPING, DOWNSPOUTS, AND SCUPPERS

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

COREY JON BOSS — LICENSED — ARCHITECT — No. 107508 — STATE OF TENNESSEE — 1/29/2026

COREY BOSS
107508

4-B-26-DP 2

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
1	2026.01.29	CD DRAWING SET
2	2026.03.19	REVISION 01

SHEET NAME:
EXTERIOR ELEVATIONS

ORIG SUBMISSION: 2026.01.30
CURRENT: 2026.03.19
REVISION 01

SHEET:
A20.02

1 2 3 4 5

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL AT THIS SHEETS ORIGINAL PAGE SIZE

GENERAL EQUIPMENT SCHEDULE

CALLOUT	VOLTS	LOAD	BREAKER	CIRCUIT	WIRE CALLOUT	DISCONNECT DESCRIPTION
CU-1	208 V 2P 3W	2933 VA	20/2	LC1-28,30	1/2"C, 2#12, #12N, #12G	30A/2P/NEMA 3R
CU-2	208 V 2P 3W	4347 VA	35/2	LC1-31,33	3/4"C, 2#8, #8N, #10G	60A/2P/NEMA 3R
CU-3	208 V 2P 3W	4638 VA	35/2	LC1-32,34	3/4"C, 2#8, #8N, #10G	60A/2P/NEMA 3R
CU-4	208 V 2P 3W	5720 VA	40/2	LC1-35,37	3/4"C, 2#8, #8N, #10G	60A/2P/NEMA 3R
CU-A	208 V 2P 3W	5720 VA	40/2	LC1-27,29	3/4"C, 2#8, #8N, #10G	60A/2P/NEMA 3R
CU-A	208 V 2P 3W	5720 VA	40/2	LC1-23,25	3/4"C, 2#8, #8N, #10G	60A/2P/NEMA 3R
CU-A	208 V 2P 3W	5720 VA	40/2	LC1-24,26	3/4"C, 2#8, #8N, #10G	60A/2P/NEMA 3R
CU-A	208 V 2P 3W	5720 VA	40/2	LC1-20,22	3/4"C, 2#8, #8N, #10G	60A/2P/NEMA 3R
EF-A	277 V 1P 2W	240 VA	20/1	HC1-3	1/2"C, 1#12, #12N, #12G	TOGGLE SWITCH
EF-A	277 V 1P 2W	240 VA	20/1	HC1-2	1/2"C, 1#12, #12N, #12G	TOGGLE SWITCH
EF-A	277 V 1P 2W	240 VA	20/1	HC1-3	1/2"C, 1#12, #12N, #12G	TOGGLE SWITCH
EF-A	277 V 1P 2W	240 VA	20/1	HC1-2	1/2"C, 1#12, #12N, #12G	TOGGLE SWITCH
EF-B	277 V 1P 2W	240 VA	20/1	HC1-3	1/2"C, 1#12, #12N, #12G	TOGGLE SWITCH
EF-B	277 V 1P 2W	240 VA	20/1	HC1-3	1/2"C, 1#12, #12N, #12G	TOGGLE SWITCH
EWH-1	277 V 1P 2W	3000 VA	20/1	HC1-7	1/2"C, 1#12, #12N, #12G	30A/1P/NEMA 1
FURN-1	120 V 1P 2W	1176 VA	20/1	LC2-5	1/2"C, 1#12, #12N, #12G	30A/1P/NEMA 1
FURN-2	120 V 1P 2W	1656 VA	20/1	LC2-6	1/2"C, 1#12, #12N, #12G	30A/1P/NEMA 1
FURN-3	120 V 1P 2W	1176 VA	20/1	LC2-7	1/2"C, 1#12, #12N, #12G	30A/1P/NEMA 1
FURN-4	120 V 1P 2W	1656 VA	20/1	LC2-8	1/2"C, 1#10, #10N, #10G	30A/1P/NEMA 1
FURN-A	120 V 1P 2W	1656 VA	20/1	LC2-4	1/2"C, 1#10, #10N, #10G	30A/1P/NEMA 1
FURN-A	120 V 1P 2W	1656 VA	20/1	LC2-2	1/2"C, 1#12, #12N, #12G	30A/1P/NEMA 1
FURN-A	120 V 1P 2W	1656 VA	20/1	LC2-1	1/2"C, 1#12, #12N, #12G	30A/1P/NEMA 1
FURN-A	120 V 1P 2W	1656 VA	20/1	LC2-3	1/2"C, 1#12, #12N, #12G	30A/1P/NEMA 1
RP-1	120 V 1P 2W	200 VA	20/1	LC2-9	1/2"C, 1#12, #12N, #12G	BREAKER
RTU-A	480 V 3P 4W	17459 VA	25/3	HC1-9,11,13	1/2"C, 3#10, #10N, #10G	30A/3P/NEMA 3R
RTU-A	480 V 3P 4W	17459 VA	25/3	HC1-12,14,16	1/2"C, 3#10, #10N, #10G	30A/3P/NEMA 3R
RTU-A	480 V 3P 4W	17459 VA	25/3	HC1-15,17,19	1/2"C, 3#10, #10N, #10G	30A/3P/NEMA 3R
RTU-A	480 V 3P 4W	17459 VA	25/3	HC1-18,20,22	1/2"C, 3#10, #10N, #10G	30A/3P/NEMA 3R
WH-1	480 V 3P 4W	15000 VA	30/3	HC1-6,8,10	1/2"C, 3#10, #10N, #10G	BREAKER

LUMINAIRE SCHEDULE

CALLOUT	LAMP	DESCRIPTION	MODEL	VOLTS
A	(1) 40W LED	1x4 LED STRIP LIGHT	TO BE DETERMINED	277V 1P 2W
B	(1) 40W LED	2X4 LED TROFFER	TO BE DETERMINED	277V 1P 2W
C	(1) 64W LED	STAIRWELL LIGHT	TO BE DETERMINED	277V 1P 2W
D	(1) 13W LED	DOWNLIGHT	TO BE DETERMINED	277V 1P 2W
F	(1) 25W LED	FLOOD LIGHT	TO BE DETERMINED	277V 1P 2W
T	(2) 1.5W LED	EMERGENCY LIGHTING UNIT	SIGNIFY VLTU	277V 1P 2W
X	(2) 1.5W LED	COMBINATION EXIT/EMERGENCY LIGHTING UNIT	SIGNIFY VERWEM	277V 1P 2W
XC	(2) 1.5W LED	COMBINATION EXIT/EMERGENCY LIGHTING UNIT	SIGNIFY VLTCR3R	277V 1P 2W
XR	(1) 3W LED	EXTERIOR WALLPACK W/ BATTERY BACKUP	COMPASS CUWZ-HTR-PC	277V 1P 2W

Panel: LC2

Supply from: LC1 **Mounting:** Surface **Enclosure:** Type 1

Volts: 208Y/120V 3P 4W **Phases:** 3 **Wires:** 4

AIC Rating: 22,000 **Mains Type:** MLO **Mains Rating:** 250 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	FURN-A	20 A	1	1656 VA			1656 VA			1	20 A	FURN-A	2
3	FURN-A	20 A	1		1656 VA			1656 VA		1	20 A	FURN-A	4
5	FURN-1	20 A	1			1176 VA			1656 VA	1	20 A	FURN-2	6
7	FURN-3	20 A	1	1176 VA			1656 VA			1	20 A	FURN-4	8
9	RP-1	20 A	1		200 VA			720 VA		1	20 A	Receptacle	10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42

Total connected load by phase: 6144 VA 4232 VA 2832 VA
Total connected load: 13208 VA
Total connected current: 37 A

Load Classification	Demand Factor	Connected Current	Connected Load (VA)
Motor	103.32%	35 A	12488 VA
Receptacle	100.00%	2 A	720 VA

Panel: LC1

Supply from: XC1 **Mounting:** Surface **Enclosure:** Type 1

Volts: 208Y/120V 3P 4W **Phases:** 3 **Wires:** 4

AIC Rating: 22,000 **Mains Type:** MCB **Mains Rating:** 250 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	Receptacle	20 A	1	720 VA				900 VA		1	20 A	Receptacle	2
3	Receptacle	20 A	1		720 VA				600 VA	1	20 A	Water Cooler	4
5	Receptacle	20 A	1			360 VA			900 VA	1	20 A	Receptacle	6
7	Receptacle	20 A	1	900 VA				900 VA		1	20 A	Receptacle	8
9	Receptacle	20 A	1		720 VA				1080 VA	1	20 A	Receptacle	10
11	Receptacle	20 A	1			1080 VA				1	20 A	Receptacle	12
13	Receptacle	20 A	1	900 VA				900 VA		1	20 A	Receptacle	14
15	Receptacle	20 A	1		900 VA				180 VA	1	20 A	Receptacle	16
17	Refrigerator	20 A	1			1200 VA			1200 VA	1	20 A	Refrigerator	18
19	Oven	50 A	2	4160 VA				2860 VA		2	40 A	CU-A	20
21					4160 VA				2860 VA				22
23	CU-A	40 A	2			2860 VA			2860 VA	2	40 A	CU-A	24
25				2860 VA				2860 VA					26
27	CU-A	40 A	2		2860 VA				1466 VA	2	20 A	CU-1	28
29						2860 VA			1466 VA				30
31	CU-2	35 A	2	2174 VA				2319 VA		2	35 A	CU-3	32
33					2174 VA				2319 VA				34
35	CU-4	40 A	2			2860 VA							36
37				2860 VA									38
39													40
41													42

Lug Load: 13208 VA
Total connected load by phase: 31457 VA 24271... 21558 VA
Total connected load: 77286 VA
Total connected current: 215 A

Load Classification	Demand Factor	Connected Current	Connected Load (VA)
Motor	102.70%	147 A	53006 VA
Noncontinuous	100.00%	25 A	8920 VA
Receptacle	82.55%	43 A	15360 VA

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

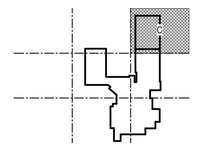
2026.01.29
ARCH NAME
ARCH ##

PROFICIENT ENGINEERING
4110 Sutherland Avenue
Knoxville, Tennessee 37919
865.409.5755

CHILDREN'S WING ADDITION AT
FAITH PROMISE CHURCH
10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
A	2025.10.31	DD DRAWING SET
B	2025.12.30	50% CD DRAWING SET
C	2026.01.29	100% CD DRAWING SET



SHEET NAME:
SCHEDULES

ORIG SUBMISSION: 2026.01.29
CURRENT: 2026.01.29
100% CD DRAWING SET

SHEET:
E0.03

1/29/2026 11:47:55 AM

D C B A

1 2 3 4 5

THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL AT THIS SHEET'S ORIGINAL PAGE SIZE

GENERAL NOTES

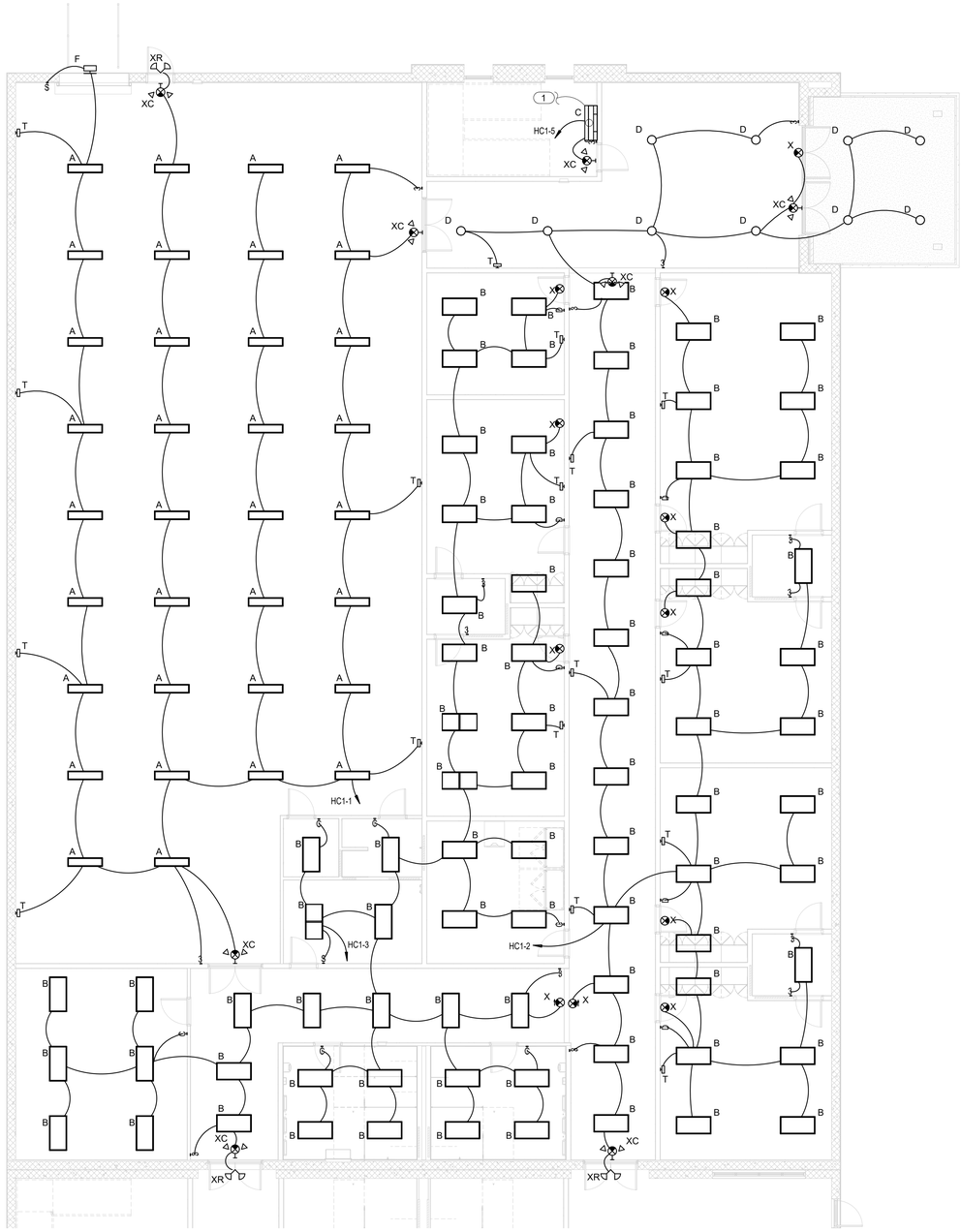
A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.

B. PROVIDE UNSWITCHED HOT LEG OF CIRCUIT TO EMERGENCY LIGHTING AND EXIT SIGNS.

C. EXTERIOR LIGHITNG TO BE CONTROLLED BY PHOTOCELL AND/OR TIMER. COORDINATE EXACT REQUIREMENTS WITH OWNER AND ARCHITECT.

KEYNOTES

(1) CONTINUE TO LIGHT FIXTURES AND DEVICES LOCATED AT TOP OF STAIRWELL.



1 E2.01 FLOOR PLAN- LEVEL 01- LIGHTING
1/8" = 1'-0"

MICHAEL GRAVES + studio four design

ARCHITECT:
STUDIO FOUR DESIGN,
A MICHAEL GRAVES COMPANY
18 Emory Place, Suite 100
Knoxville, TN 37917
T 865.523.5001
STUDIOFOURDESIGN.COM

CIVIL ENGINEER
LAND DEVELOPMENT SOLUTIONS
310 SIMMONS ROAD, SUITE K
KNOXVILLE, TN 37922
(865) 671 - 2281

STRUCTURAL ENGINEER
ELAM STRUCTURAL ENGINEERING, LLC
P.O. BOX 30799
(865) 607 - 3517

MEP ENGINEER
PROFICIENT ENGINEERING
4110 SUTHERLAND AVENUE
KNOXVILLE, TN 37919
(865) 409 - 5755

ALAN M. ARMENT REGISTERED ENGINEER STATE OF TENNESSEE

2026.01.29

ARCH NAME
ARCH ##

PROFICIENT ENGINEERING
4110 Sutherland Avenue
Knoxville, Tennessee 37919
865.409.5755

CHILDREN'S WING ADDITION AT FAITH PROMISE CHURCH

10740 FAITH PROMISE LANE
KNOXVILLE, TENNESSEE 37931

PROJECT: 25055

Δ	DATE	DESCRIPTION
A	2025.10.31	DD DRAWING SET
B	2025.12.30	50% CD DRAWING SET
C	2026.01.29	100% CD DRAWING SET

SHEET NAME:

FLOOR PLAN - LEVEL 01 - LIGHTING

ORIG SUBMISSION: 2026.01.29

CURRENT: 2026.01.29

100% CD DRAWING SET

SHEET:

E2.01

1/29/2026 11:48:01 AM

D C B A

1 2 3 4 5