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## Code Information

GOVERNING REGULATIONS	
Building Code	International Building Code - 2018 Edition
→ Local Amendments	Knoxville Code of Ordinances - Chapter 6
→ Energy Code	International Energy Conservation Code - 2018 Edition
→ Mechanical Code	International Mechanical Code - 2018 Edition
→ Plumbing Code	International Plumbing Code - 2018 Edition
→ Fuel Gas Code	International Fuel Gas Code - 2018 Edition
→ Electrical Code	National Electric Code - 2017 Edition
→ Accessibility Regulations	ICC/ANSI A117.1 - 2009 Edition - No Amendments
Life Safety Code	NFPA - 101 - 2012 Edition - No Amendments
FGI Guidelines for Design & Construction of Hospitals and Outpatient Facilities	2018 Edition

PROJECT DESCRIPTION	
Project Scope for the New Child/Adolescent Behavioral Health Center for Acadia Healthcare in Knoxville, Tennessee includes the following: eight (8) 5,420-sq-ft, 18-Bed PRF "Cottage" buildings; one (1) 39,043-sq-ft "Main Lodge" Building housing Administrative, Classroom, Dining, and Support spaces; two (2) enclosed Exterior Activity Yards; and all associated Parking and Sidewalks.	

BUILDING CLASSIFICATION	
FIRE PROTECTION, DETECTION, AND ALARM SYSTEMS	
All code analysis is based upon a new Building which will be fully protected by approved automatic sprinkler and fire alarm systems at the completion of the Project.	
USE GROUPS/OCCUPANCIES	
IBC	NFPA-101
I-2 (Institutional-Healthcare-related) (Sections 308.4 and 407)	New Healthcare (Chapter 18)

# ACADIA

## HEALTHCARE

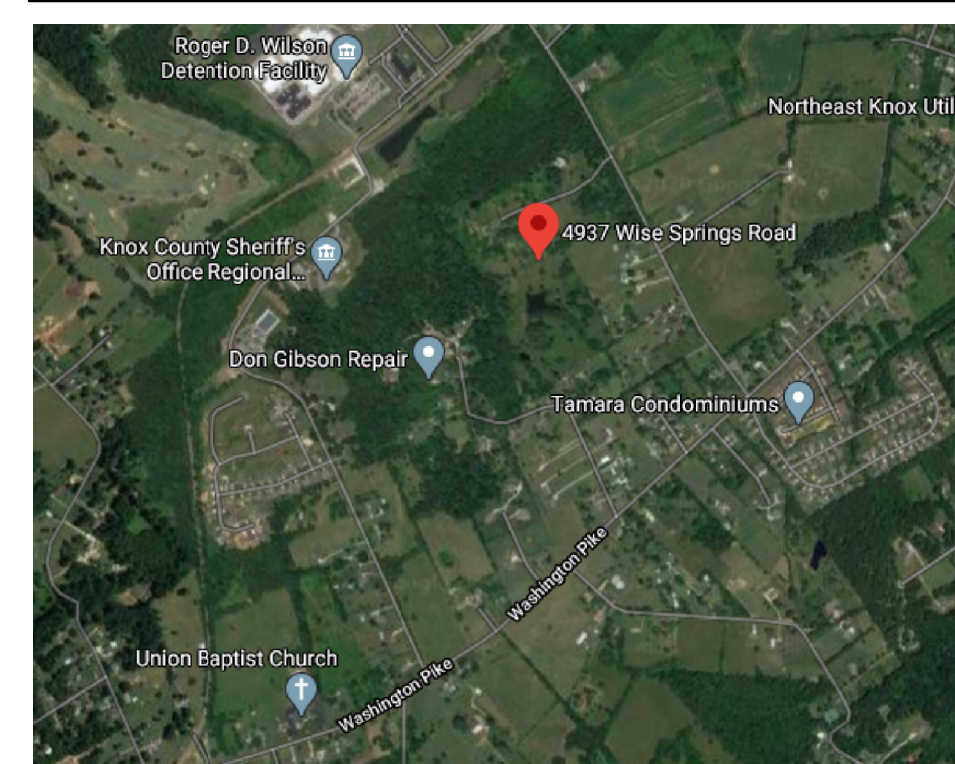
## NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER ACADIA HEALTHCARE

4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

USE ON REVIEW SUBMITTAL  
NOT FOR CONSTRUCTION  
PLANNING FILE #8-C-20-UR

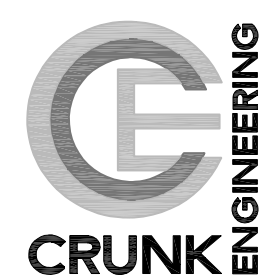
27 JULY 2020  
AHC1919

## Location Plan



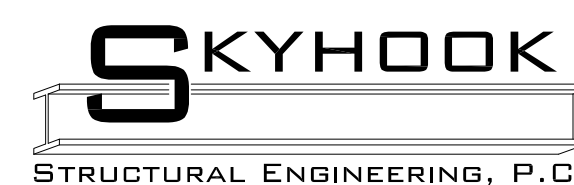
**STENDEL-HILL ARCHITECTURE**  
613 WEST MAIN STREET LOUISVILLE, KENTUCKY 40202 502.893.1875 502.893.1876 fax

Civil Engineering



Crunk Engineering, LLC  
1894 General George Patton Drive, Suite 600 / Franklin, TN 37067  
615.873.1795

Structural Engineering



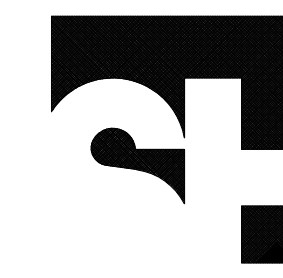
Skyhook Structural Engineering, P.C.  
229 Ward Circle, Suite B23 / Brentwood, TN / 37027  
615.777.8097

Mechanical/Electrical Engineering



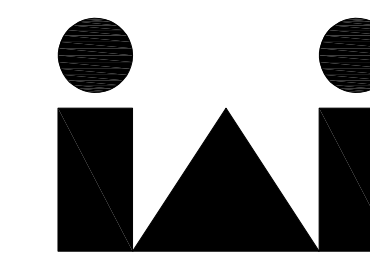
CMTA, Inc.  
10411 Meeting Street / Prospect, KY / 40059  
502.326.3085 / 502.326.2691 fax

Interior Design



Stengel Hill Architecture  
613 West Main Street / Louisville, KY / 40202  
502.893.1875 / 502.893.1876 fax

Foodservices Design



Inman Foodservices Group, LLC  
3807 Charlotte Avenue / Nashville, TN / 37203  
615.321.5591 / 615.321.5609 fax

General Contractor

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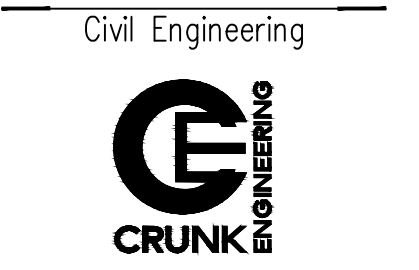
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
ACADIA HEALTHCARE



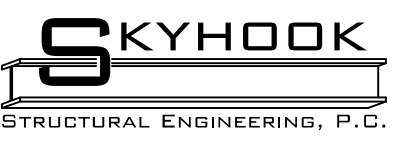


STENDEL-HILL  
ARCHITECTURE

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Louisville, Kentucky 40202  
502.893.1875  
502.893.1875 fax



Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design



EXISTING CONDITIONS  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905  
C1.0

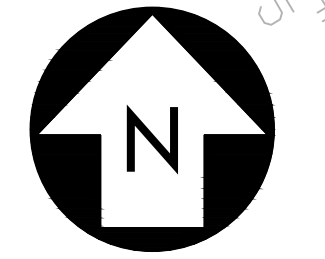
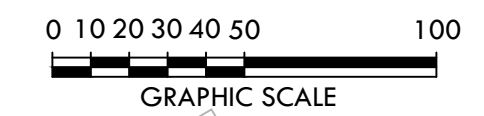
DAVID BAKER  
DEED 20130603-0078932  
LOT 1 - PLAT 20190904-0016175

CELL TOWER, ACCESS  
AND UTILITY EASEMENT  
PER DEED 200812010034768  
SEE NOTE 7

KNOX COUNTY WORKHOUSE  
DEED 246/398

DEED TRACT 1  
1,521,299 Sq. Feet  
34.92 Acres

DISPUTED AREA  
24,596 Sq. Feet  
0.56 Acres



Vertical text on the left edge of the drawing.

LESLIE C CLEVENGER

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR

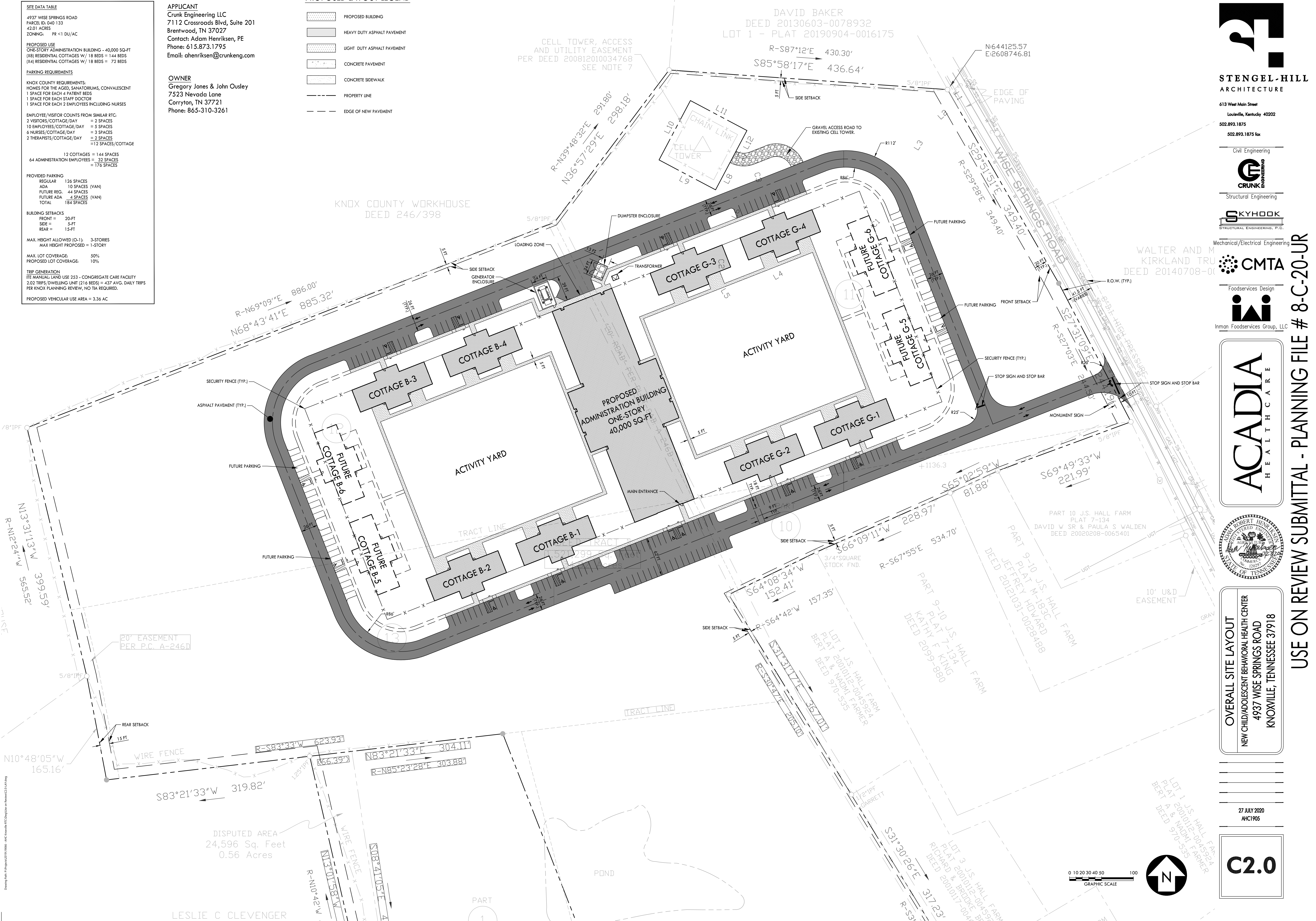


SITE DATA TABLE	
4937 WISE SPRINGS ROAD PARCEL ID: 040 133 43.01 ACRES ZONING: PR <1 DU/AC	
PROPOSED USE ONE-STORY ADMINISTRATION BUILDING - 40,000 SQ-FT (X8) RESIDENTIAL COTTAGES W/ 18 BEDS = 144 BEDS (X4) RESIDENTIAL COTTAGES W/ 18 BEDS = 72 BEDS	
PARKING REQUIREMENTS	
KNOX COUNTY REQUIREMENTS: HOMES FOR THE AGED, SANATORIUMS, CONVALESCENT 1 SPACE FOR EACH 4 PATIENT BEDS 1 SPACE FOR EACH STAFF DOCTOR 1 SPACE FOR EACH 2 EMPLOYEES INCLUDING NURSES	
EMPLOYEE/VISITOR COUNTS FROM SIMILAR RTC: 2 VISITORS/COTTAGE/DAY = 2 SPACES 10 EMPLOYEES/COTTAGE/DAY = 5 SPACES 6 NURSES/COTTAGE/DAY = 3 SPACES 2 THERAPISTS/COTTAGE/DAY = 2 SPACES	
12 COTTAGES = 144 SPACES 64 ADMINISTRATION EMPLOYEES = 32 SPACES = 176 SPACES	
PROVIDED PARKING REGULAR 126 SPACES ADA 10 SPACES (VAN) FUTURE REG. 44 SPACES FUTURE ADA 4 SPACES (VAN) TOTAL 184 SPACES	
BUILDING SETBACKS FRONT = 20-FT SIDE = 5-FT REAR = 15-FT	
MAX. HEIGHT ALLOWED (O-1) = 3-STORIES MAX HEIGHT PROPOSED = 1-STORY	
MAX. LOT COVERAGE: 50% PROPOSED LOT COVERAGE: 10%	
TRIP GENERATION ITE MANUAL: LAND USE 253 - CONGREGATE CARE FACILITY 2.02 TRIPS / DWELLING UNIT (216 BEDS) = 437 AVG. DAILY TRIPS PER KNOX PLANNING REVIEW, NO TIA REQUIRED.	
PROPOSED VEHICULAR USE AREA = 3.36 AC	

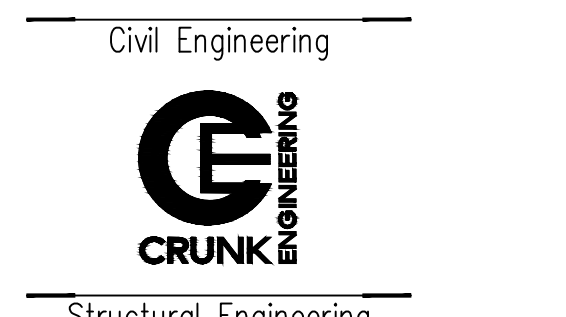
**APPLICANT**  
Crunk Engineering LLC  
7112 Crossroads Blvd, Suite 201  
Brentwood, TN 37027  
Contact: Adam Henriksen, PE  
Phone: 615.873.1795  
Email: ahenriksen@crunkeng.com

**OWNER**  
Gregory Jones & John Ousley  
7523 Nevada Lane  
Corryton, TN 37721  
Phone: 865-310-3261

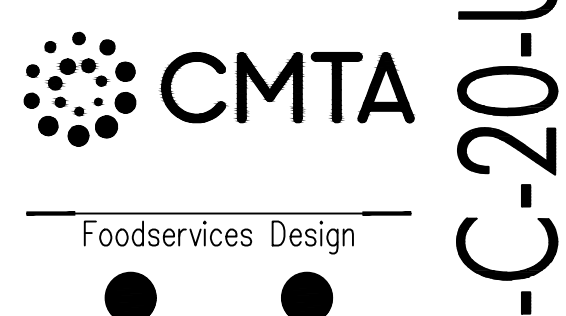
- PROPOSED LAYOUT LEGEND**
- PROPOSED BUILDING
  - HEAVY DUTY ASPHALT PAVEMENT
  - LIGHT DUTY ASPHALT PAVEMENT
  - CONCRETE PAVEMENT
  - CONCRETE SIDEWALK
  - PROPERTY LINE
  - EDGE OF NEW PAVEMENT



**STENGEN-HILL ARCHITECTURE**  
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Louisville, Kentucky 40202  
502.893.1875  
502.893.1875 fax



Civil Engineering  
**CRUNK ENGINEERING**  
Structural Engineering

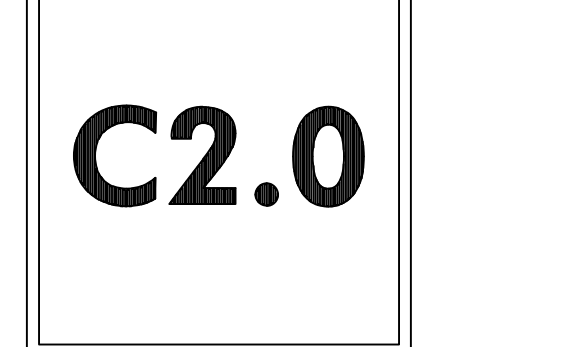


Mechanical/Electrical Engineering  
**KYHOOK**  
STRUCTURAL ENGINEERING, P.C.



**OVERALL SITE LAYOUT**  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905

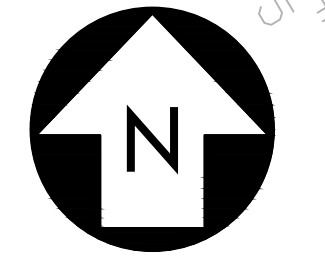
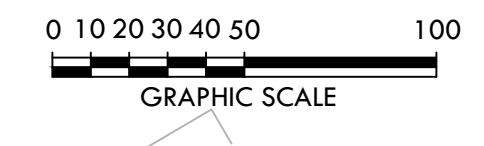


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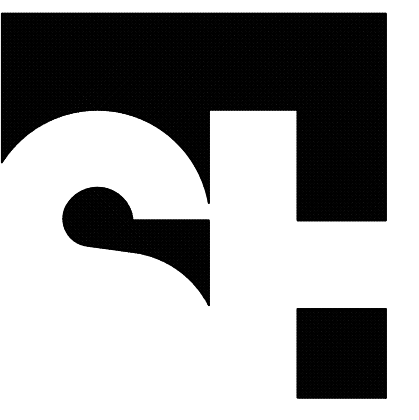
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LESLIE C CLEVENGER

PART 1

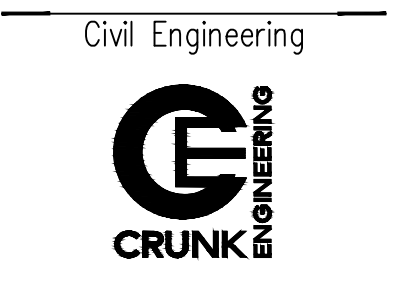






STENDEL-HILL ARCHITECTURE

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Civil Engineering



Structural Engineering

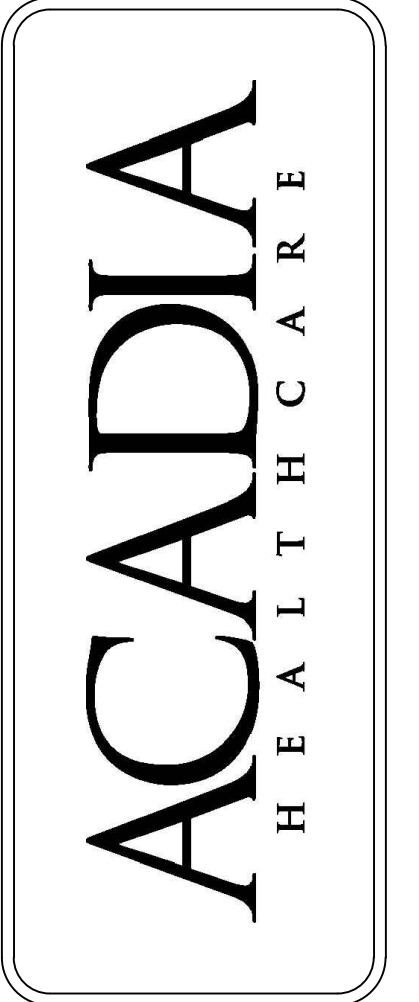


Mechanical/Electrical Engineering



Foodservices Design

Inman Foodservices Group, LLC

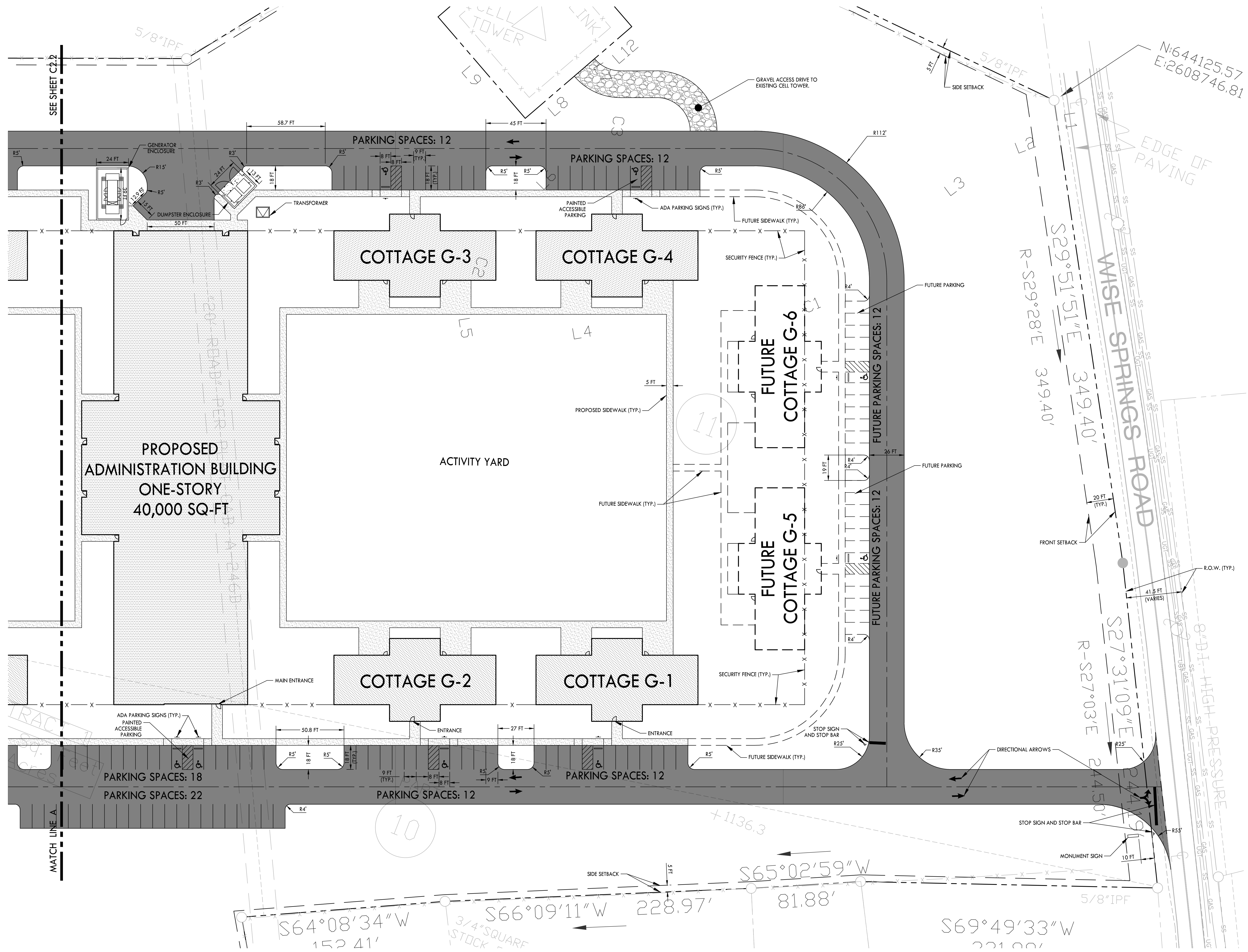


DETAILED SITE LAYOUT  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905

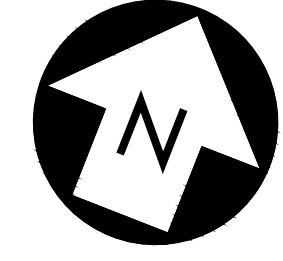
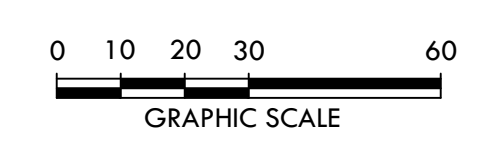
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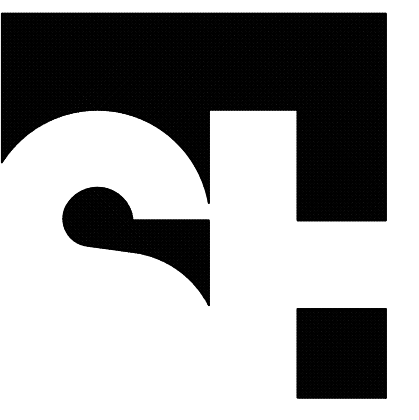
PROPOSED LAYOUT LEGEND

- PROPOSED BUILDING
- HEAVY DUTY ASPHALT PAVEMENT
- LIGHT DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- PROPERTY LINE
- EDGE OF NEW PAVEMENT



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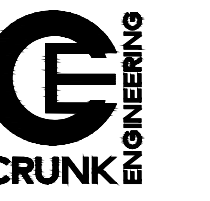




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Civil Engineering



Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design

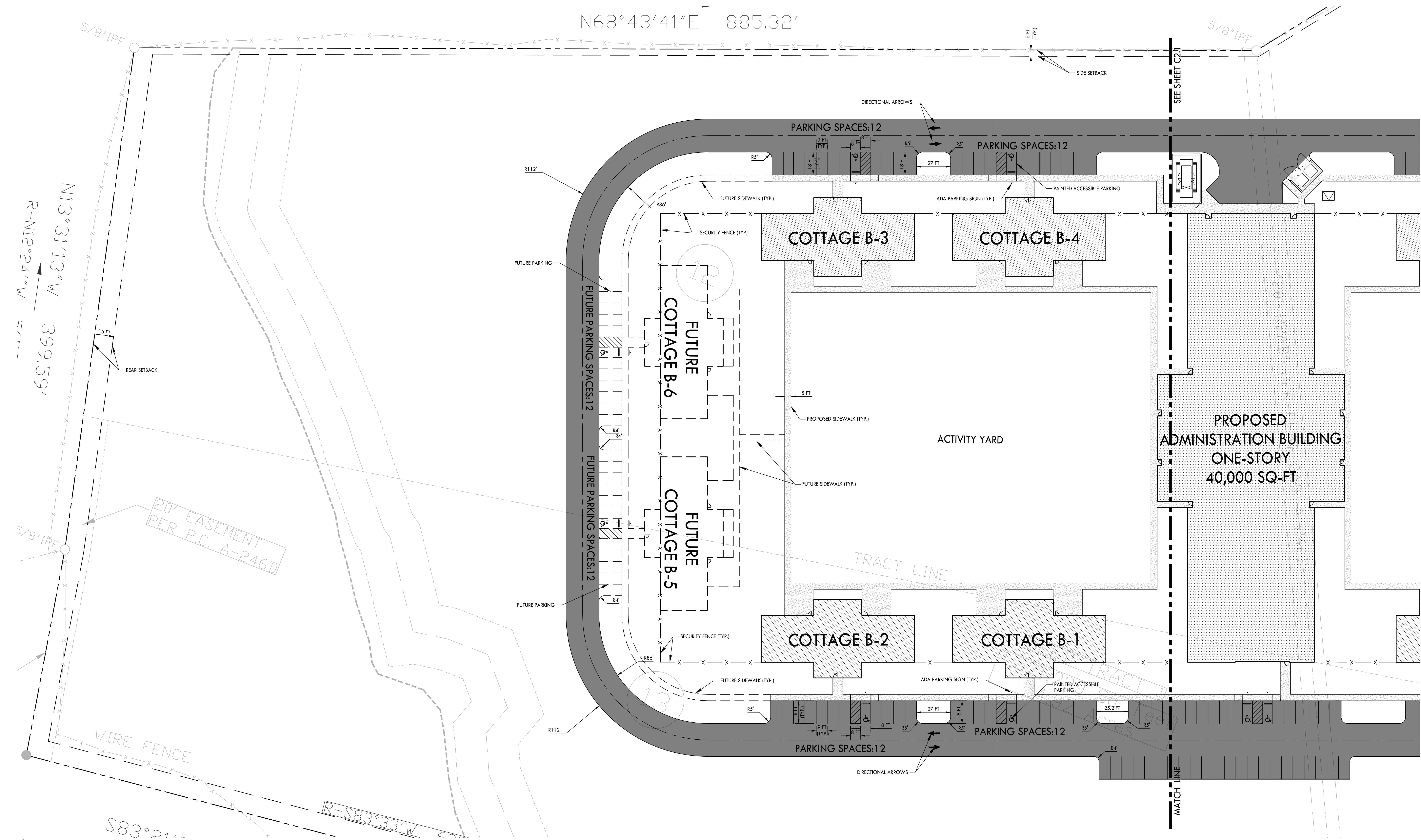


DETAILED SITE LAYOUT  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905

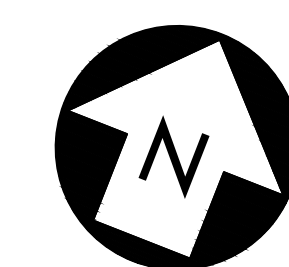
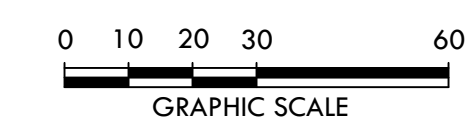
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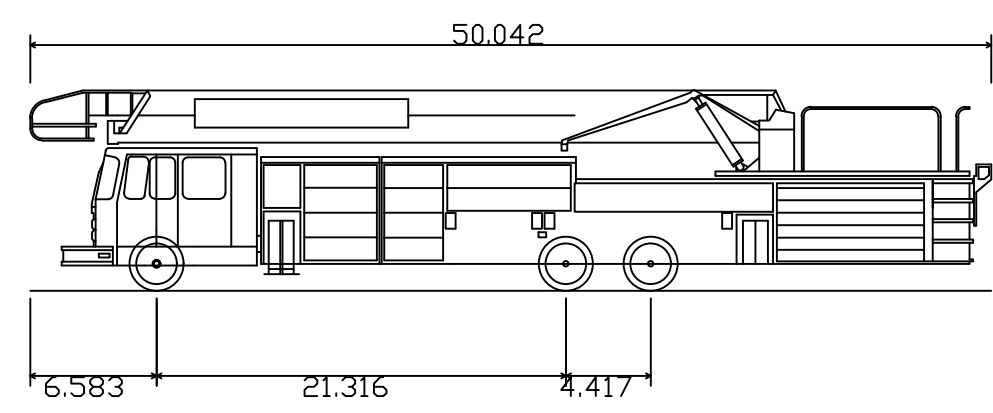
PROPOSED LAYOUT LEGEND

- PROPOSED BUILDING
- HEAVY DUTY ASPHALT PAVEMENT
- LIGHT DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- PROPERTY LINE
- EDGE OF NEW PAVEMENT



Drawing Path: P:\Projects\2020\1905 - AHC Knoxville REC\Drawings on Review\C2.2-04.dwg





Fire Truck  
 Overall Length 50.042ft  
 Overall Width 8.333ft  
 Overall Body Height 10.432ft  
 Min Body Ground Clearance 0.862ft  
 Track Width 8.000ft  
 Lock-to-lock time 4.00s  
 Curb to Curb Turning Radius 42.000ft

**FIRE TRUCK**

KNOX COUNTY WORKHOUSE  
 DEED 246/398

CELL TOWER, ACCESS  
 AND UTILITY EASEMENT  
 PER DEED 200812010034768  
 SEE NOTE 7

DAVID BAKER  
 DEED 20130603-0078932  
 LOT 1 - PLAT 20190904-0016175

R-S87°12'E 430.30'  
 S85°58'17"E 436.64'

N:644125.57  
 E:2608746.81

EDGE OF  
 PAVING

WISE SPRINGS ROAD  
 R-S29°51'51"E 349.40'  
 R-S29°28'E 349.40'

WALTER AND M  
 KIRKLAND TRU  
 DEED 20140708-01

CMTA

Inman Foodservices Group, LLC

ACADIA  
 HEALTH CARE

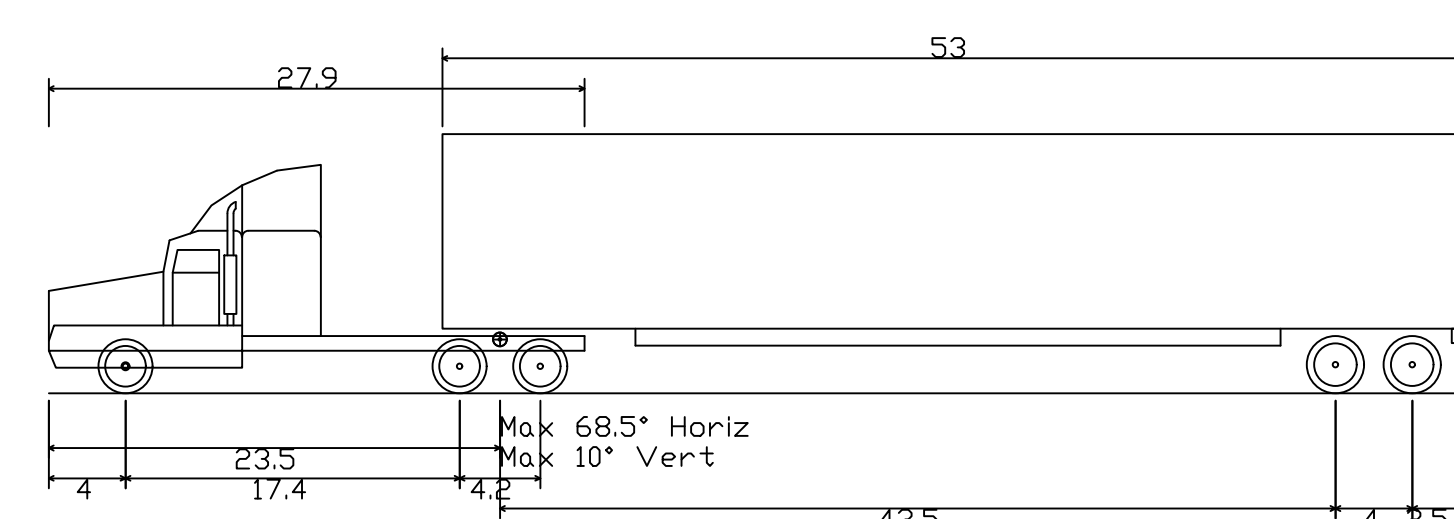
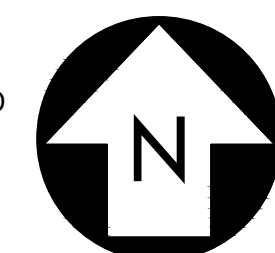
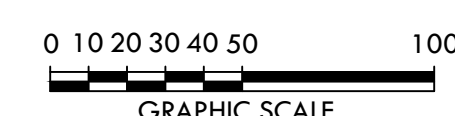
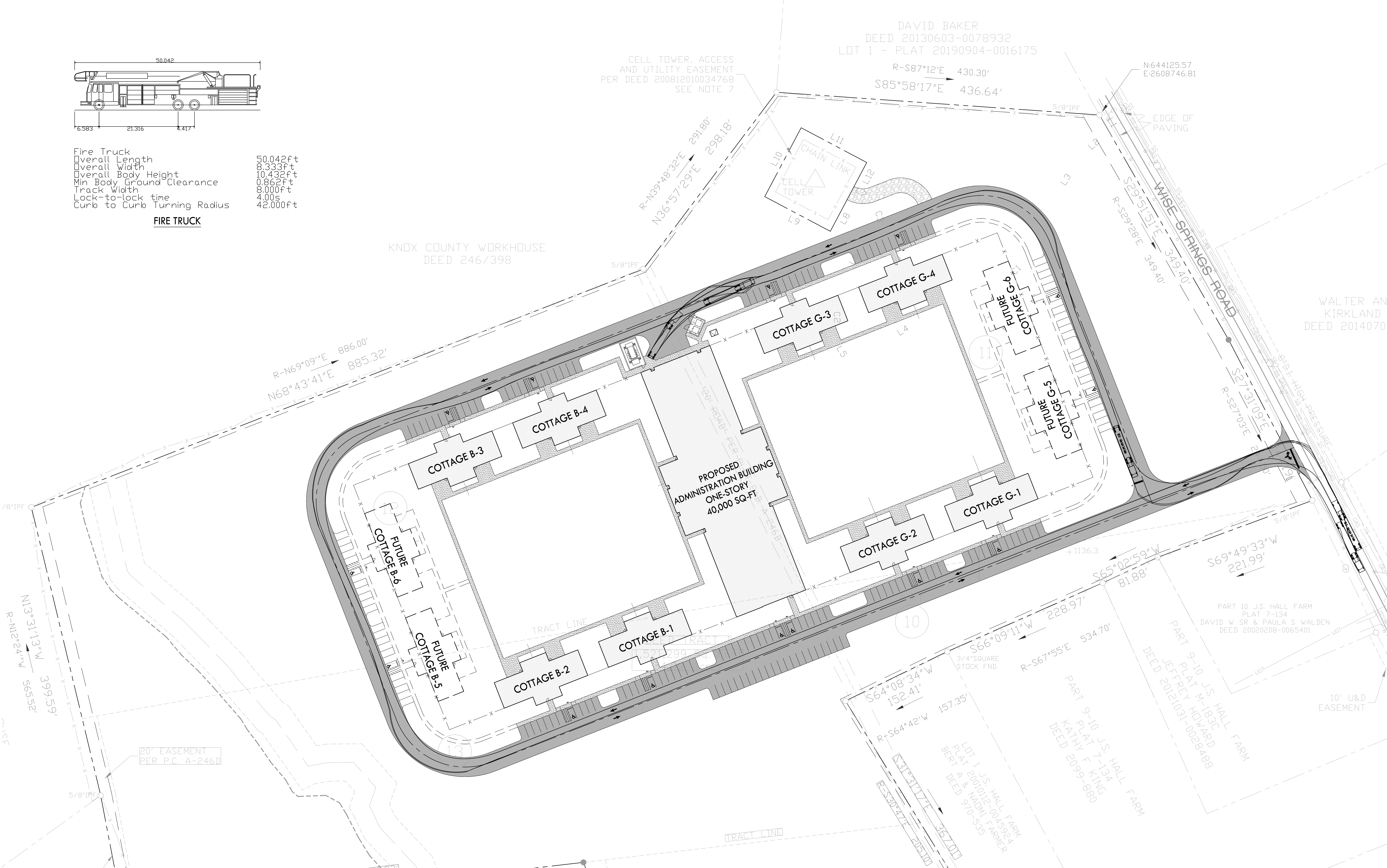


TURNING MOVEMENTS  
 NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
 4937 WISE SPRINGS ROAD  
 KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
 AHC1905

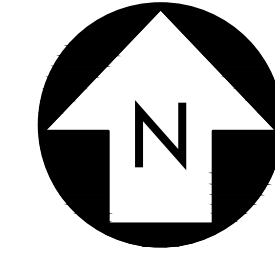
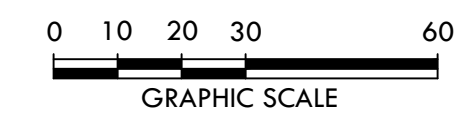
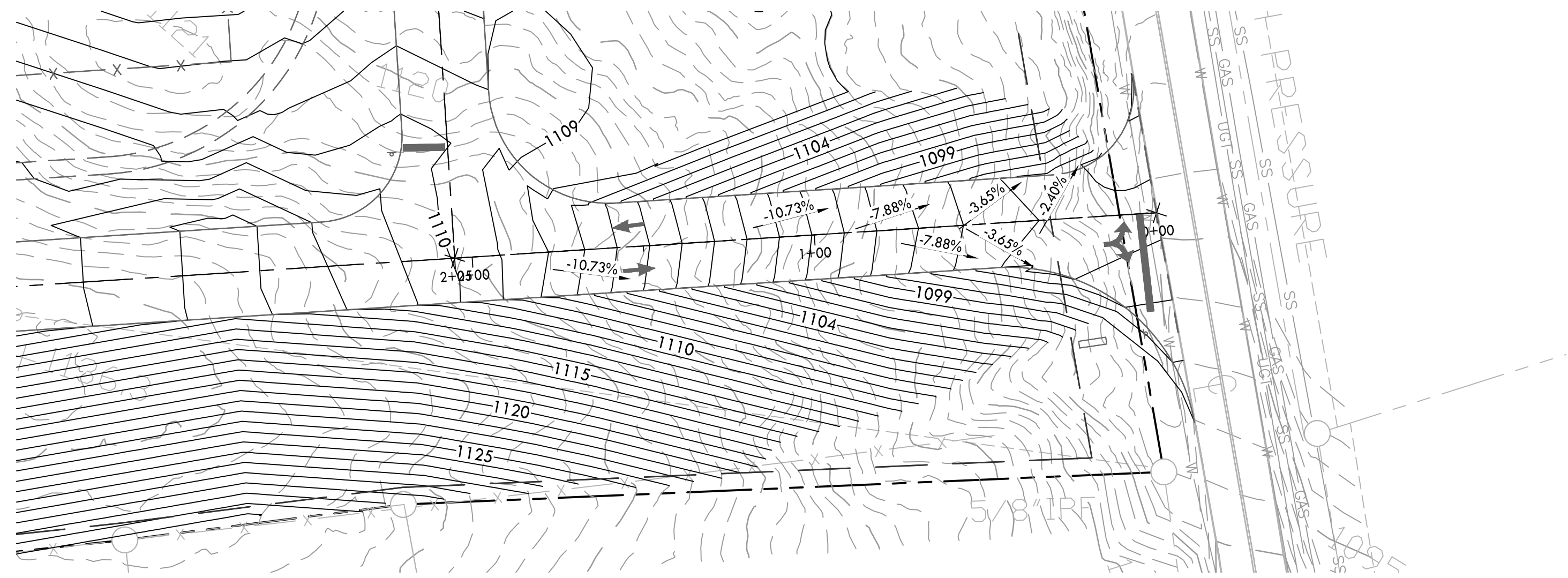
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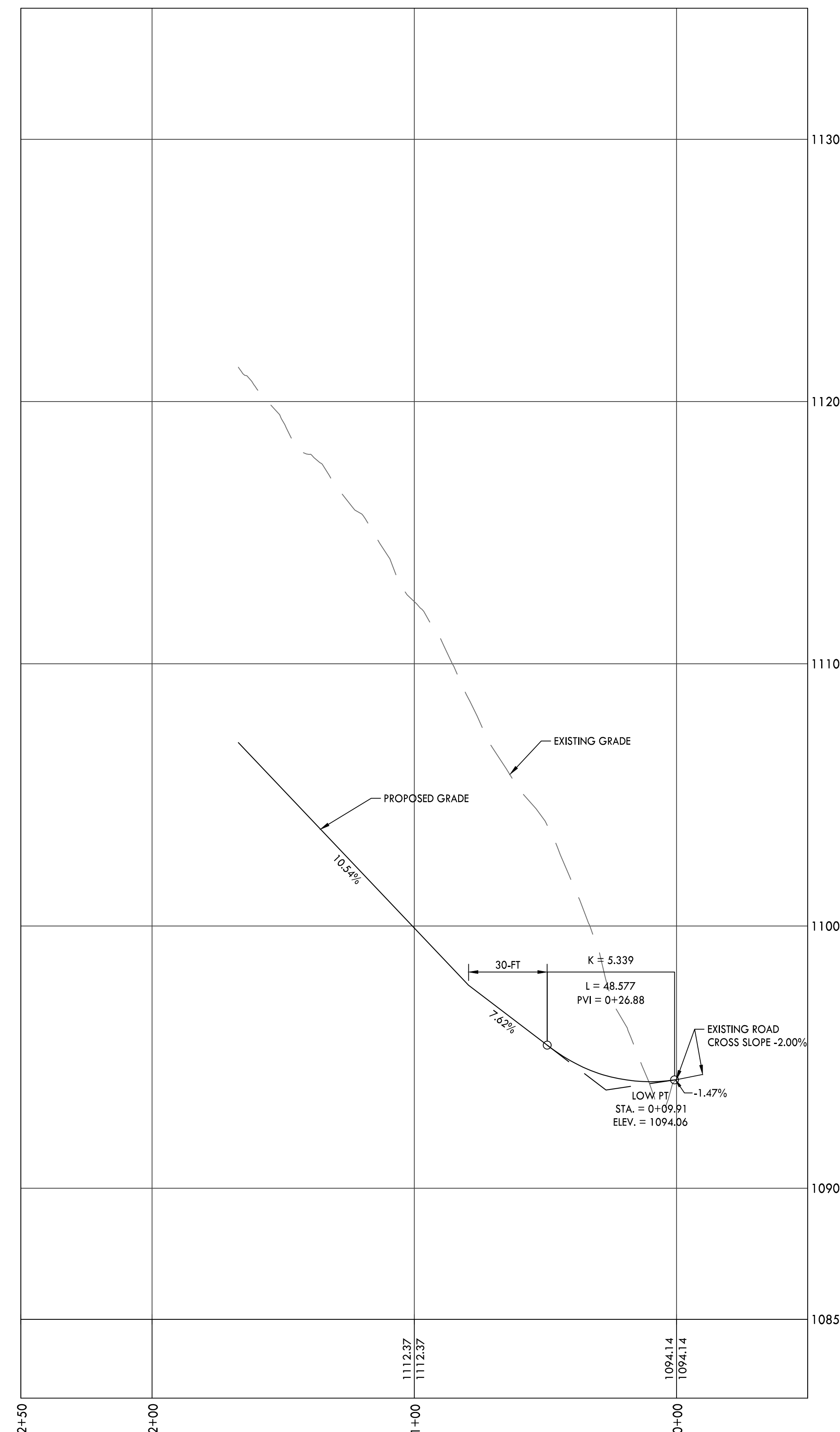


WB-67 - Interstate Semi-Trailer  
 Overall Length 73.501ft  
 Overall Width 8.500ft  
 Overall Body Height 13.500ft  
 Min Body Ground Clearance 1.334ft  
 Max Track Width 8.500ft  
 Lock-to-lock time 6.00s  
 Max Steering Angle (Virtual) 28.40°  
**DELIVERY TRUCK (TYP.)**

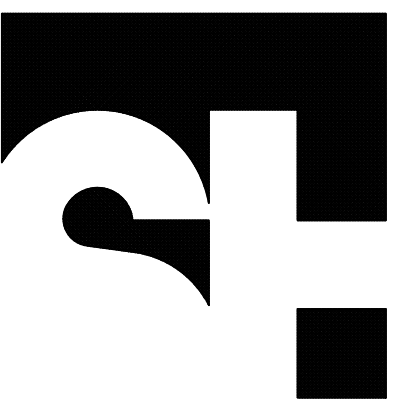




### Access Connection



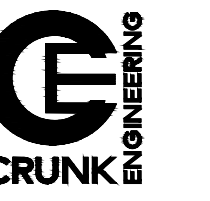
SCALE  
HORIZONTAL: 1" = 30'  
VERTICAL: 1" = 3'



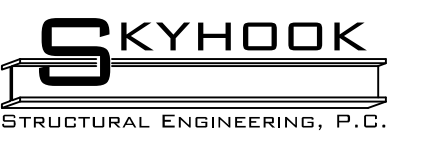
**STENGEL-HILL**  
ARCHITECTURE

613 West Main Street  
Louisville, Kentucky 40202  
502.893.1875  
502.893.1875 fax

Civil Engineering



Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design

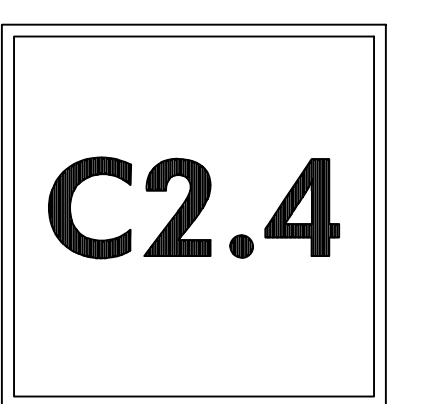


Inman Foodservices Group, LLC



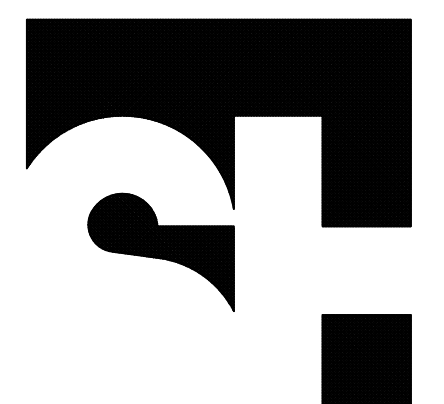
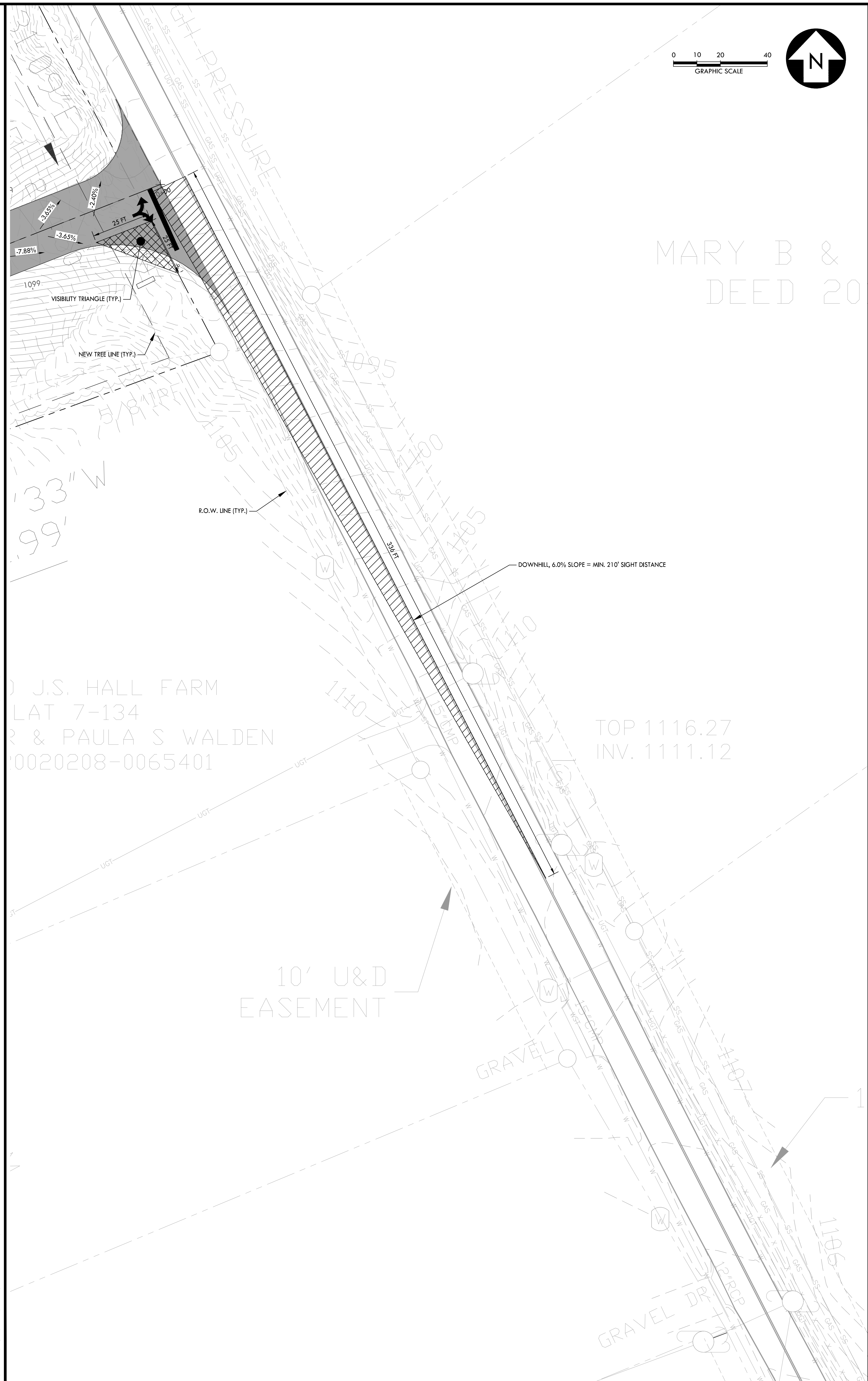
ACCESS DRIVE PROFILE  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905



USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR

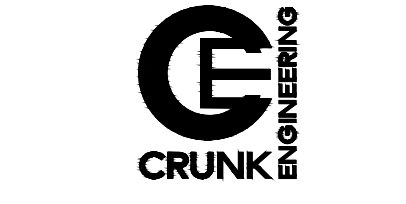




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ARCHITECTURE

613 West Main Street  
Louisville, Kentucky 40202  
502.893.1875  
502.893.1875 fax

Civil Engineering



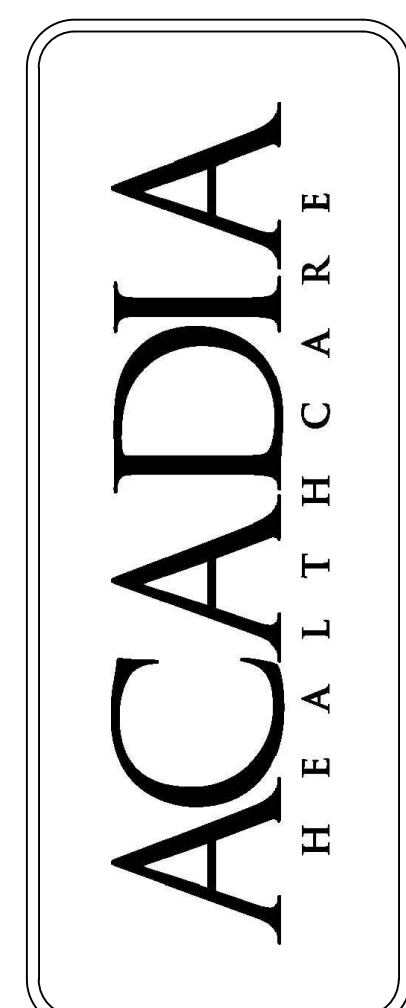
Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design



**SIGHT DISTANCE**  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905

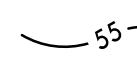
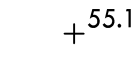
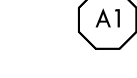
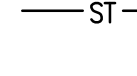



**C2.5**

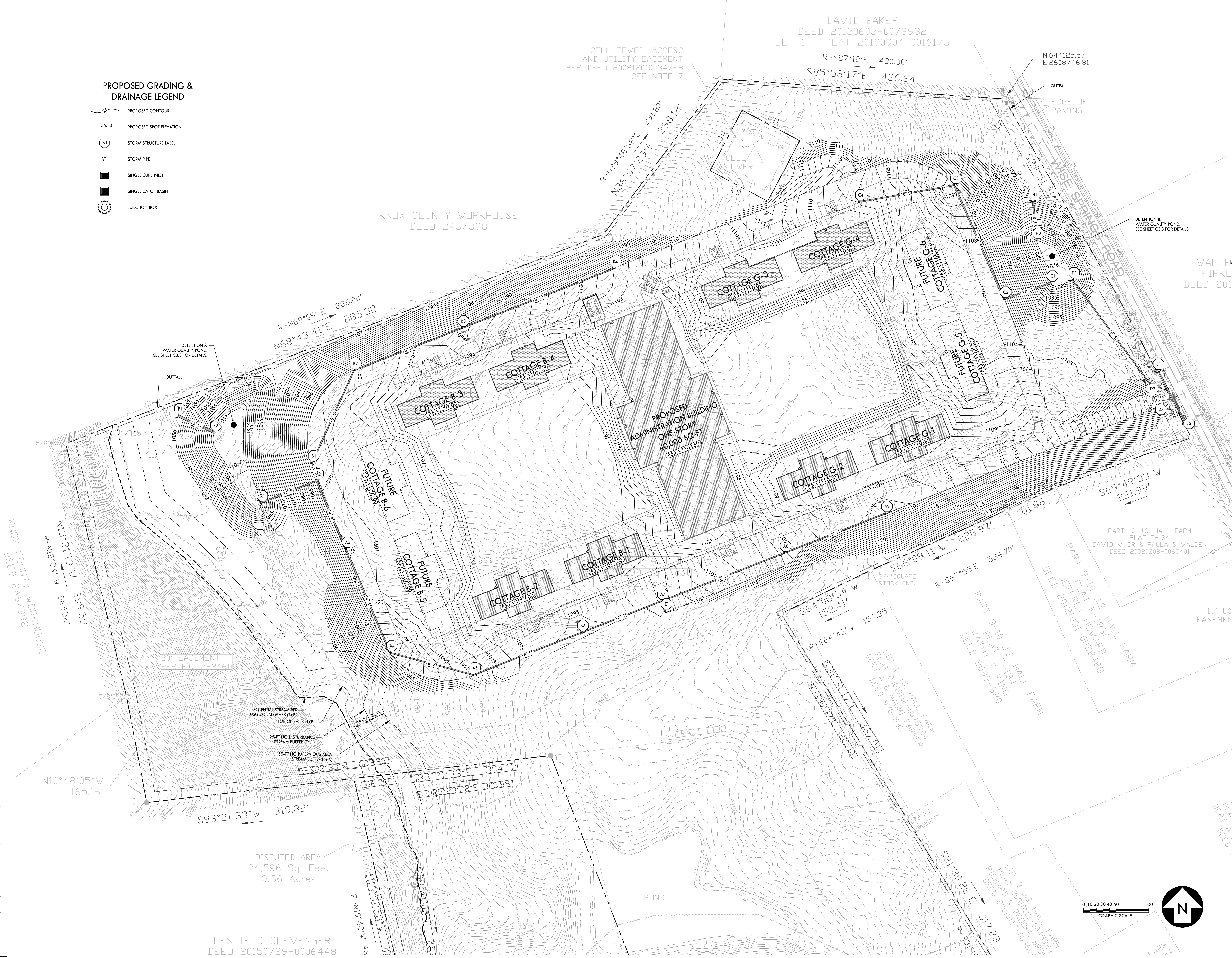
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Drawing Path: P:\Projects\2020\1906 - AHC Knoxville BEC\Drawings\Review\C2.5.dwg



**PROPOSED GRADING & DRAINAGE LEGEND**

-  PROPOSED CONTOUR
-  PROPOSED SPOT ELEVATION
-  STORM STRUCTURE LABEL
-  STORM PIPE
-  SINGLE CURB INLET
-  SINGLE CATCH BASIN
-  JUNCTION BOX



KNOX COUNTY WORKHOUSE  
DEED 246/398

DAVID BAKER  
DEED 20130603-0078932  
LOT 1 - PLAT 20190904-0016175

STENDEL HILL  
ARCHITECTURE

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Louisville, Kentucky 40202  
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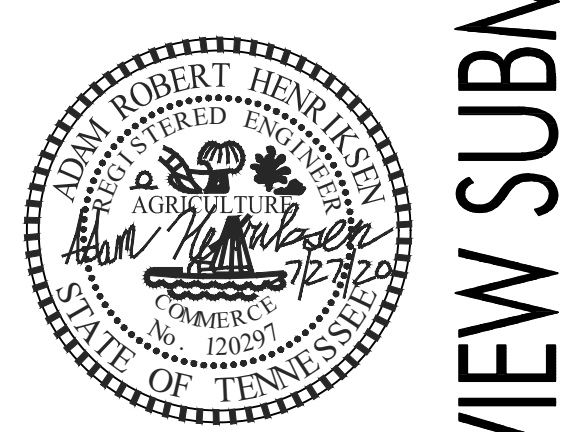
Civil Engineering  
**CRUNK**  
ENGINEERING

Structural Engineering  
**KYHOOK**  
STRUCTURAL ENGINEERING, P.C.

WALTER KIRK  
DEED 201...  
Mechanical/Electrical Engineering  
**CMTA**

Foodservices Design  
**Inman**  
Foodservices Group, LLC

**ACADIA**  
HEALTH CARE



OVERALL GRADING & DRAINAGE PLAN  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

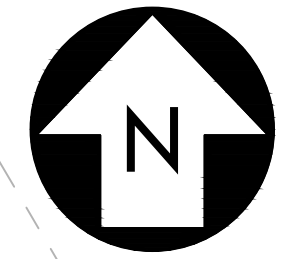
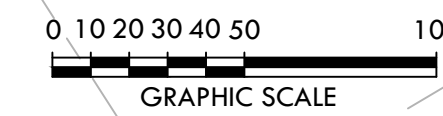
27 JULY 2020  
AHC1905

**C3.0**

KNOX COUNTY WORKHOUSE  
DEED 246/398

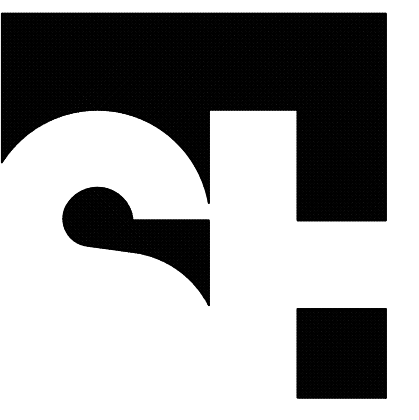
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LESLIE C CLEVENER  
DEED 20150729-0006448



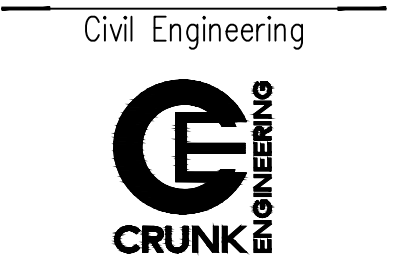
USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR





STENDEL-HILL ARCHITECTURE

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Louisville, Kentucky 40202  
502.893.1875  
502.893.1875 fax



Civil Engineering



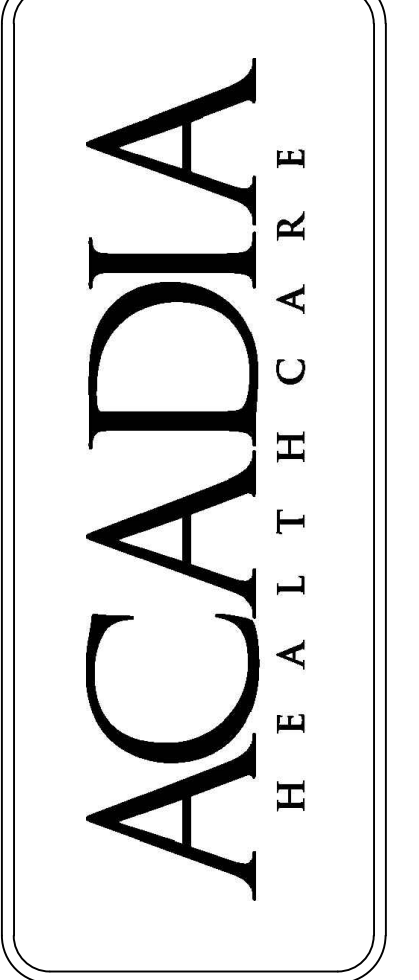
Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design

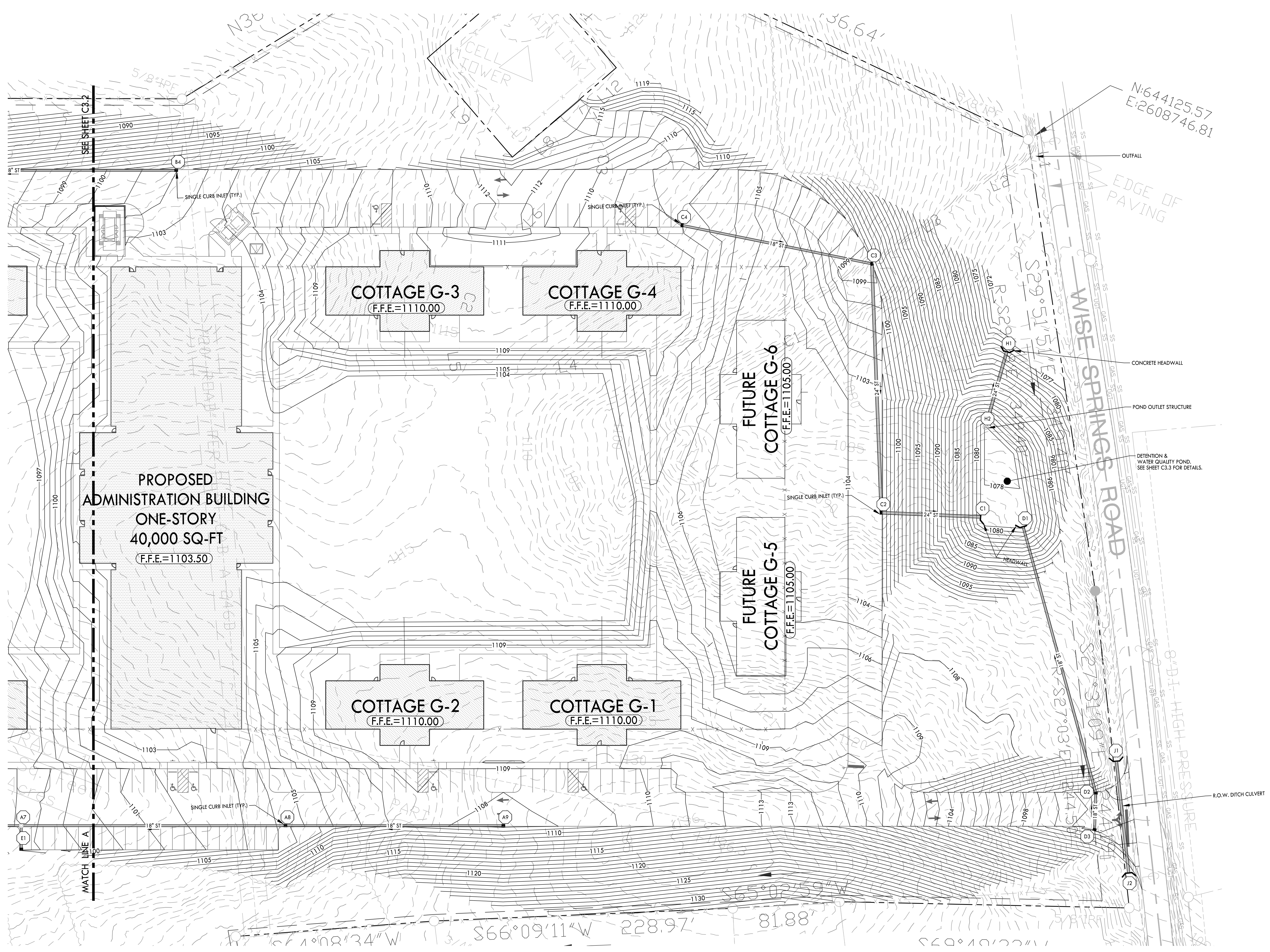


DETAILED GRADING & DRAINAGE PLAN  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905

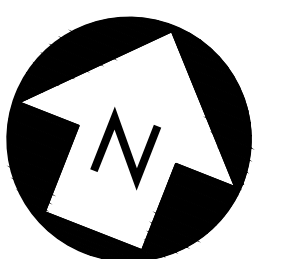
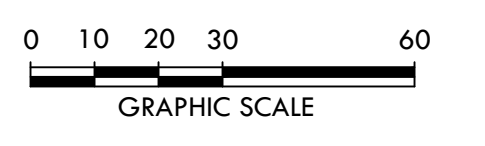
C3.1

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR



PROPOSED GRADING & DRAINAGE LEGEND

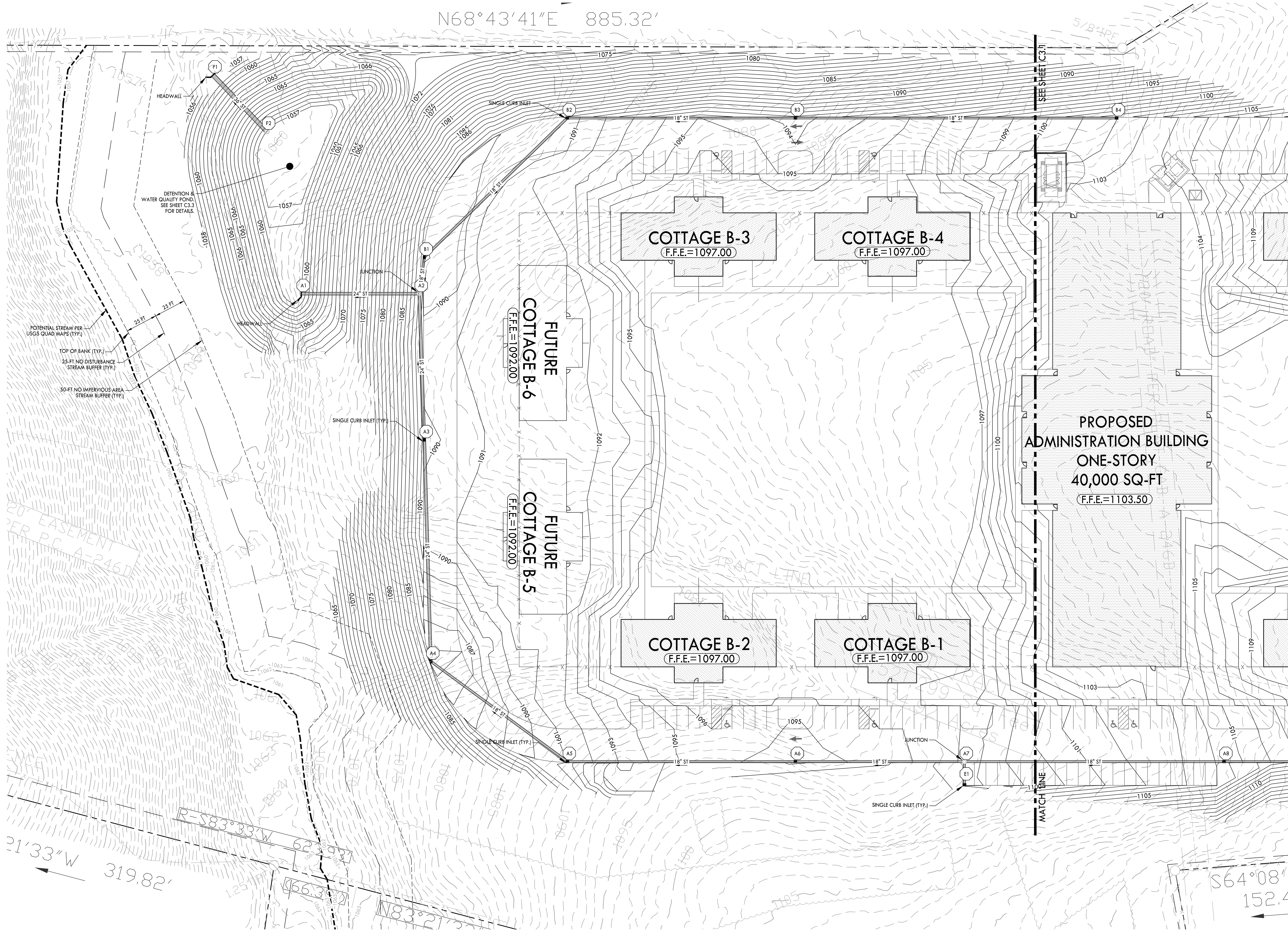
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- STORM STRUCTURE LABEL
- STORM PIPE
- SINGLE CURB INLET
- SINGLE CATCH BASIN
- JUNCTION BOX



Drawing Path: P:\Projects\2020\1905 - AHC Knoxville BLD\DWG\Site on Review\C3.1-GRD.dwg



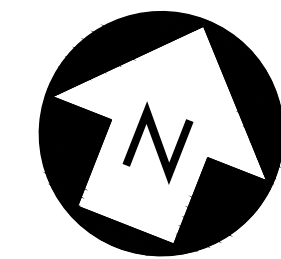
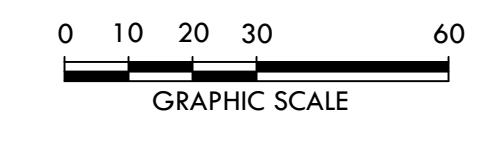
N68°43'41"E 885.32'



POTENTIAL STREAM PER USGS QUAD MAPS (TYP.)  
 TOP OF BANK (TYP.)  
 25-FT NO DISTURBANCE STREAM BUFFER (TYP.)  
 50-FT NO IMPERVIOUS AREA STREAM BUFFER (TYP.)

**PROPOSED GRADING & DRAINAGE LEGEND**

- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- STORM STRUCTURE LABEL
- STORM PIPE
- SINGLE CURB INLET
- SINGLE CATCH BASIN
- JUNCTION BOX

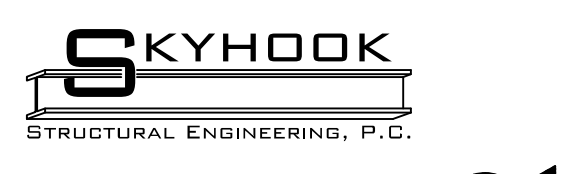


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 Louisville, Kentucky 40202  
 502.893.1875  
 502.893.1875 fax



Civil Engineering



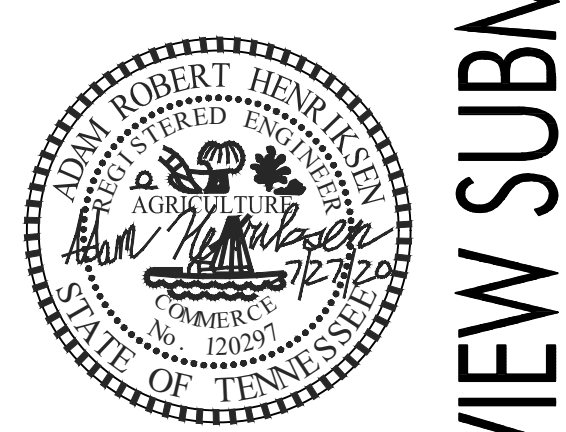
Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design



DETAILED GRADING & DRAINAGE PLAN  
 NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
 4937 WISE SPRINGS ROAD  
 KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
 AHC1905

**C3.2**

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR

Drawing Path: P:\Projects\2020\1906 - AHC Knoxville BEC\Drawings on Review\C3.2.dwg





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502.893.1875 fax

Civil Engineering



Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design



STORMWATER MANAGEMENT PLAN  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905



DAVID BAKER  
DEED 20130603-0078932  
LOT 1 - PLAT 20190904-0016175

CELL TOWER, ACCESS  
AND UTILITY EASEMENT  
PER DEED 200812010034768  
SEE NOTE 7

KNOX COUNTY WORKHOUSE  
DEED 246/398

MICRO-POOL EXTENDED DETENTION POND (EAST)  
DRAINAGE AREA = 4.83 AC  
TOTAL POND VOLUME = 36,224 CU-FT  
TOTAL SITE REQUIRED W/O VOLUME = 21,920 CU-FT  
MICRO-POOL VOLUME (EAST) = 5,885 CU-FT  
WITH 24-HR DRAWDOWN ORIFICE

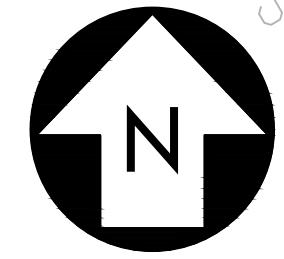
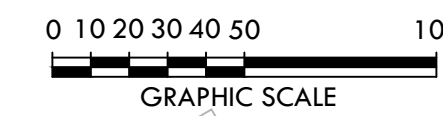
MICRO-POOL EXTENDED DETENTION POND (WEST)  
DRAINAGE AREA = 10.04 AC  
TOTAL POND VOLUME = 90,208 CU-FT  
TOTAL SITE REQUIRED W/O VOLUME = 21,920 CU-FT  
MICRO-POOL VOLUME (WEST) = 17,657 CU-FT  
WITH 24-HR DRAWDOWN ORIFICE



MICRO-POOL EXTENDED DETENTION PONDS  
THE PROPOSED MICRO-POOL EXTENDED DETENTION PONDS ARE TO RECEIVE STORMWATER RUNOFF  
COLLECTED FROM THE SITE THROUGH A SUBSURFACE PIPE NETWORK. THESE PONDS  
WILL COMPLETELY DETAIN STORMWATER RUNOFF FROM THE 1-YR, 24-HOUR STORM EVENT TO PROVIDE  
CHANNEL PROTECTION. THESE PONDS WILL PROVIDE PEAK DISCHARGE CONTROL FOR STORMWATER  
FROM THE 2-, 10-, 25-, AND 100-YR STORM EVENTS TO PROVIDE OVERBANK AND EXTREME FLOOD  
PROTECTION. THE PONDS WILL HAVE 24 HOUR DRAWDOWN VOLUME OF THE WATER QUALITY  
VOLUME OUTSIDE OF THE REQUIRED MICRO-POOL VOLUME.

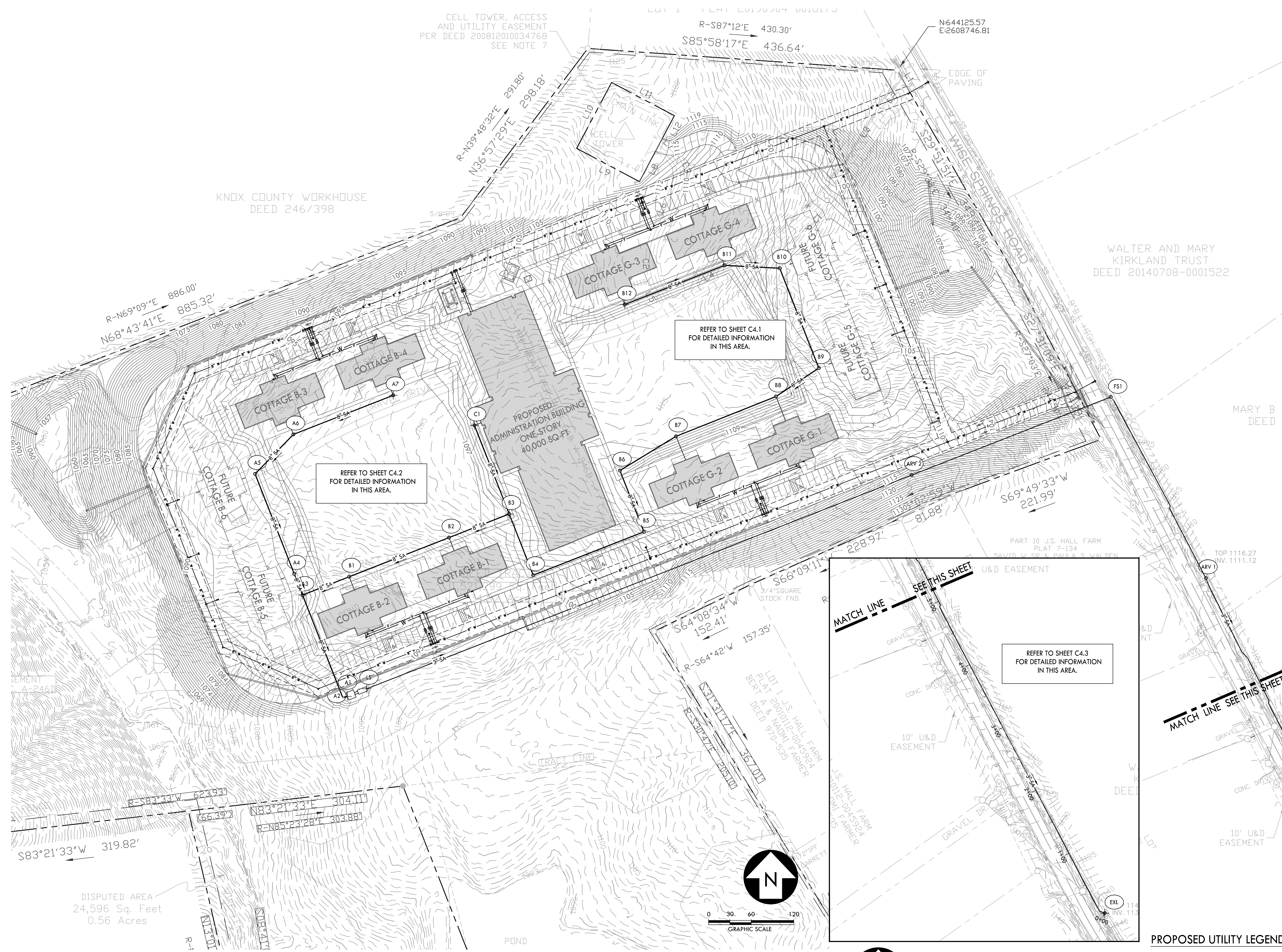
DISPUTED AREA  
24,596 Sq. Feet  
0.56 Acres

LESLIE C CLEVENGER



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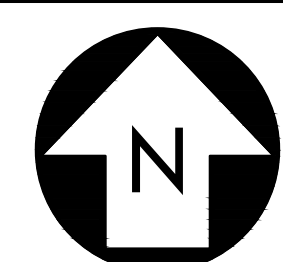
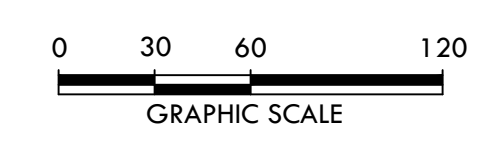




REFER TO SHEET C4.2 FOR DETAILED INFORMATION IN THIS AREA.

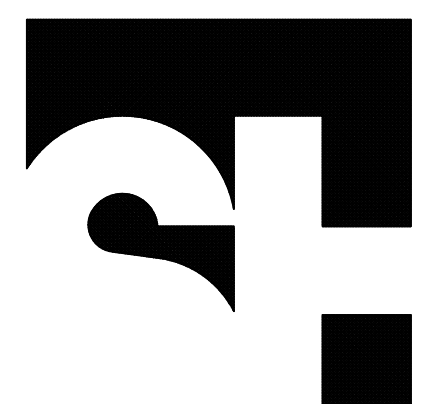
REFER TO SHEET C4.1 FOR DETAILED INFORMATION IN THIS AREA.

REFER TO SHEET C4.3 FOR DETAILED INFORMATION IN THIS AREA.



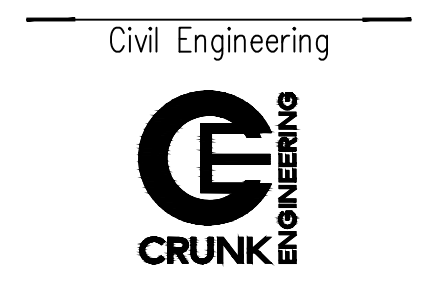
**PROPOSED UTILITY LEGEND**

- SS — SANITARY SEWER LINE
- W — WATER LINE
- GAS — GAS LINE
- ELEC — UNDERGROUND ELECTRIC LINE
- UGT — UNDERGROUND TELEPHONE LINE
- (A1)— SEWER STRUCTURE LABEL



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 502.893.1875 fax



Structural Engineering



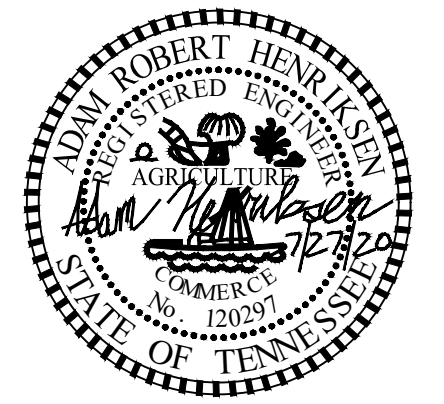
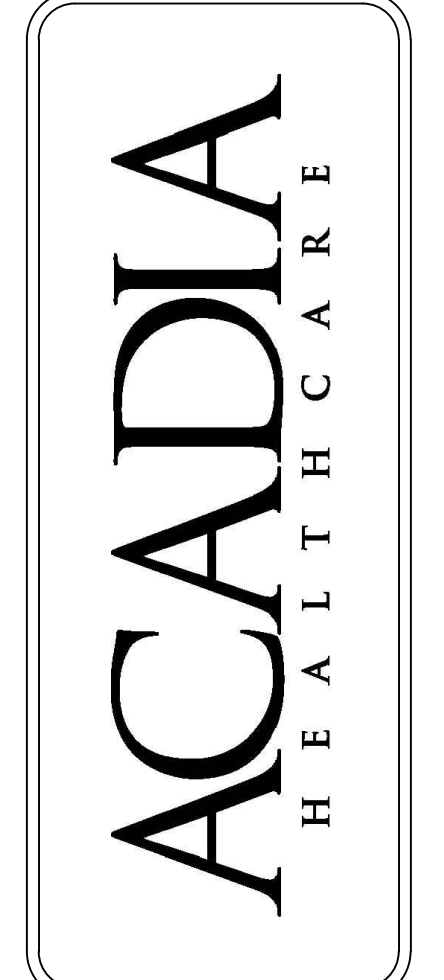
Mechanical/Electrical Engineering



Foodservices Design



Inman Foodservices Group, LLC



OVERALL UTILITY LAYOUT  
 NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
 4937 WISE SPRINGS ROAD  
 KNOXVILLE, TENNESSEE 37918

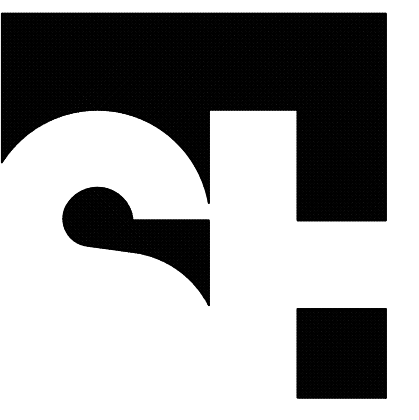
27 JULY 2020  
 AHC1905

**C4.0**

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR

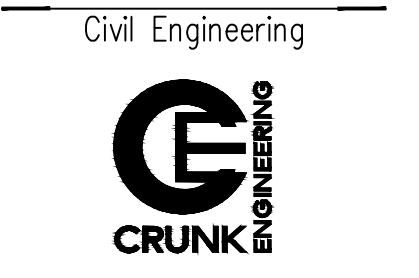
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ARCHITECTURE

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Louisville, Kentucky 40202  
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502.893.1875 fax



Civil Engineering



Structural Engineering



Mechanical/Electrical Engineering



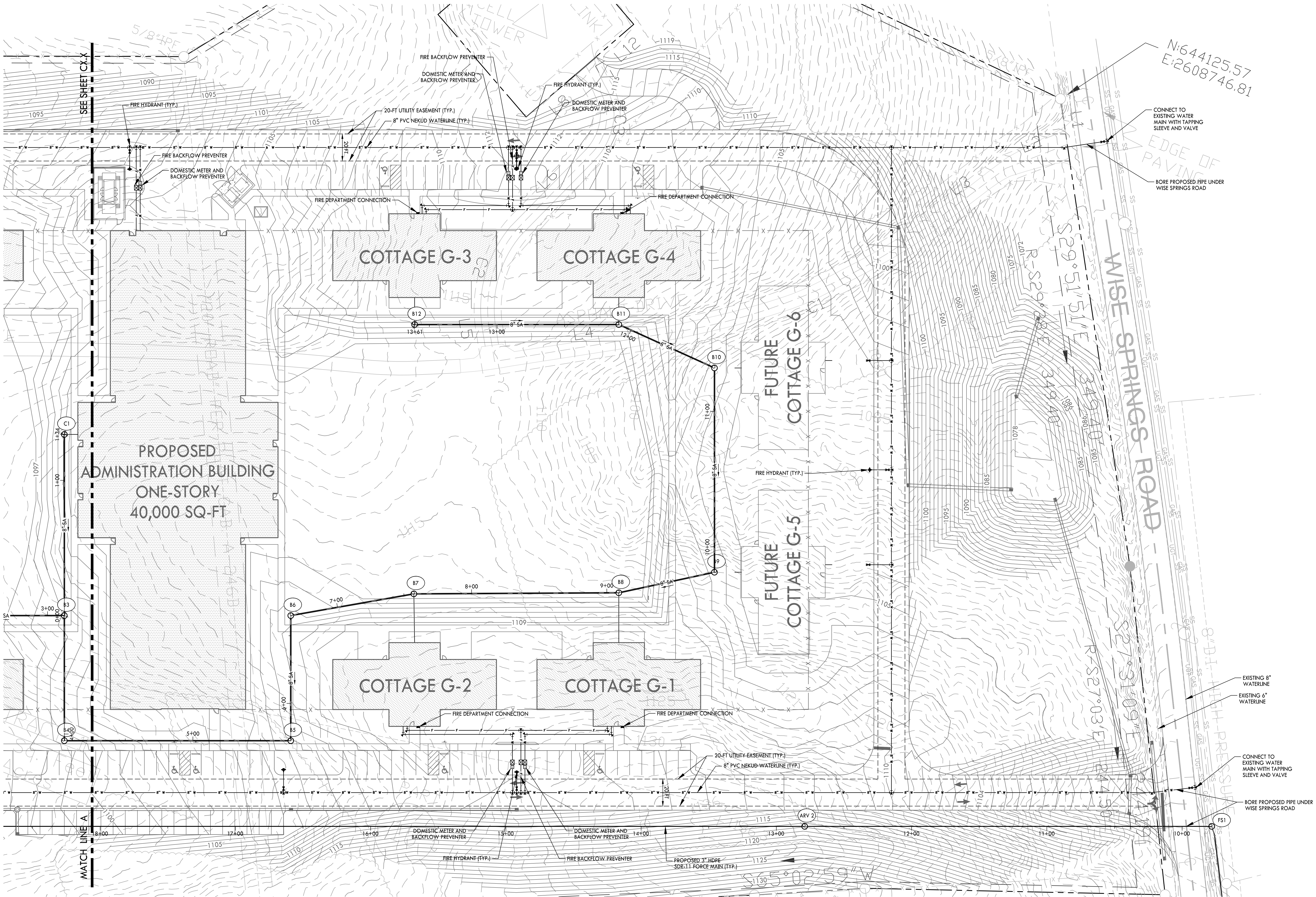
Foodservices Design



DETAILED UTILITY LAYOUT  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

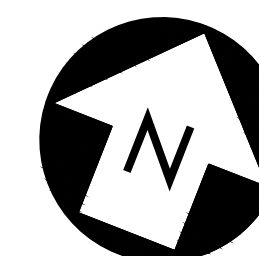
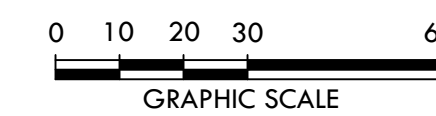
27 JULY 2020  
AHC1905

C4.1



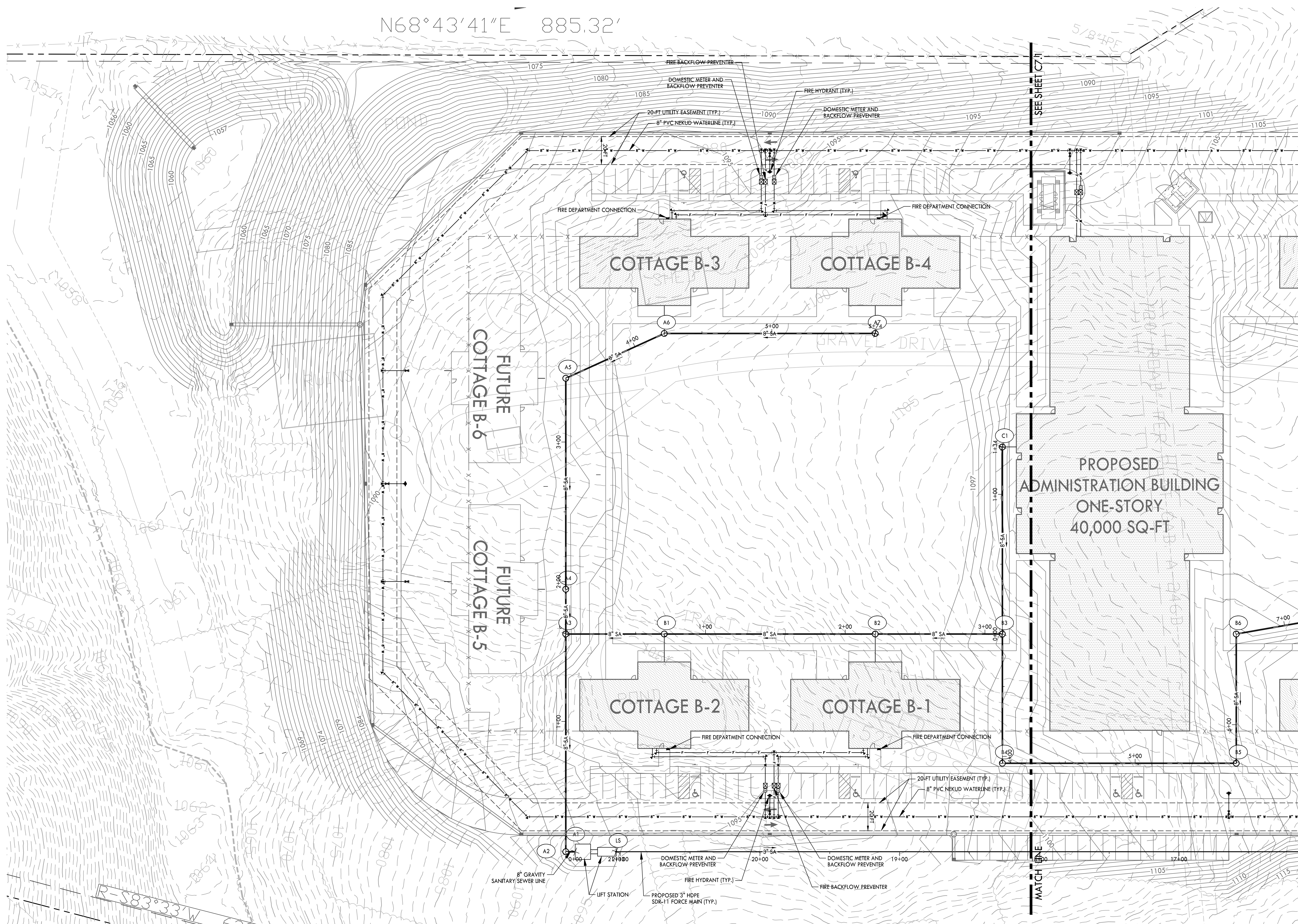
PROPOSED UTILITY LEGEND

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- W — WATER LINE
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- ELEC — UNDERGROUND ELECTRIC LINE
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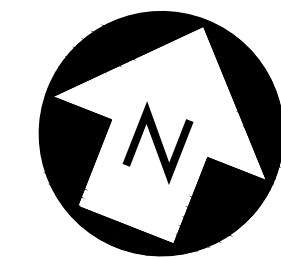
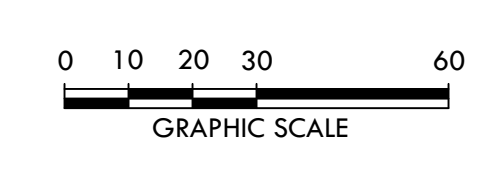


USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR





N68°43'41"E 885.32'



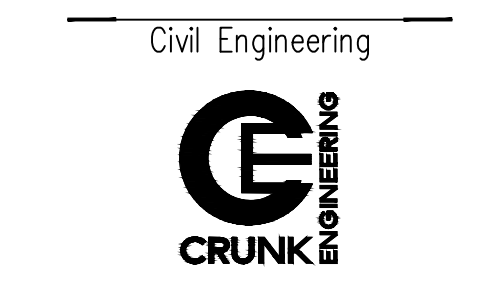
**PROPOSED UTILITY LEGEND**

- SS — SANITARY SEWER LINE
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- GAS — GAS LINE
- ELEC — UNDERGROUND ELECTRIC LINE
- UGT — UNDERGROUND TELEPHONE LINE



**STENGEL-HILL ARCHITECTURE**

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 Louisville, Kentucky 40202  
 502.893.1875  
 502.893.1875 fax



Structural Engineering



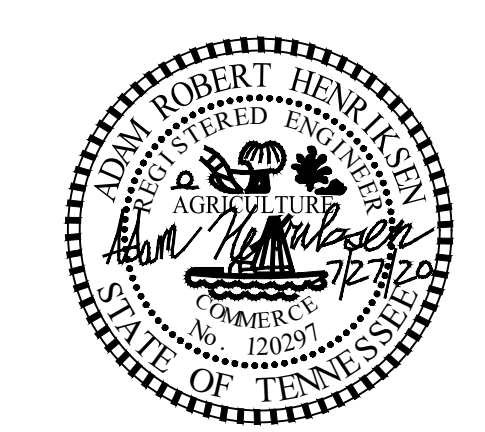
Mechanical/Electrical Engineering



Foodservices Design



Inman Foodservices Group, LLC



**DETAILED UTILITY LAYOUT**  
 NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
 4937 WISE SPRINGS ROAD  
 KNOXVILLE, TENNESSEE 37918

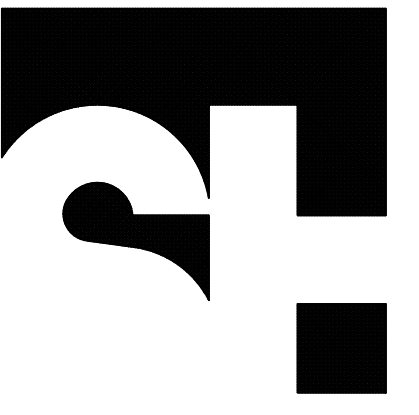
27 JULY 2020  
 AHC1905

**C4.2**

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR

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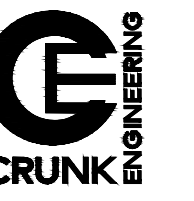




STENDEL-HILL  
ARCHITECTURE

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Louisville, Kentucky 40202  
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502.893.1875 fax

Civil Engineering



Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design

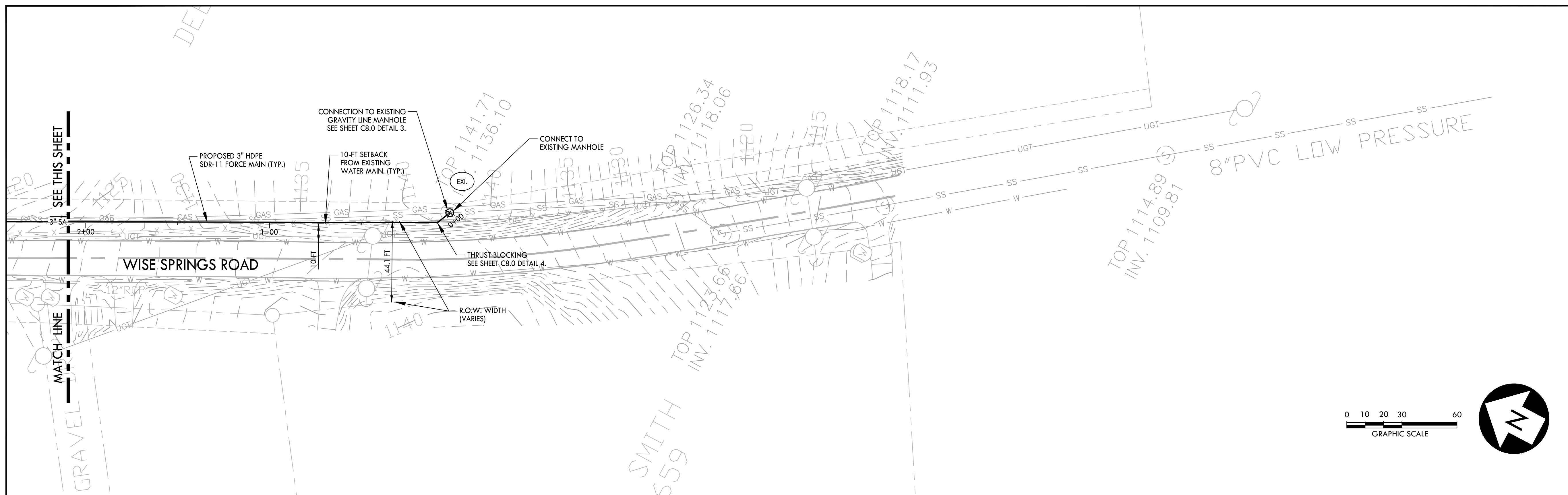
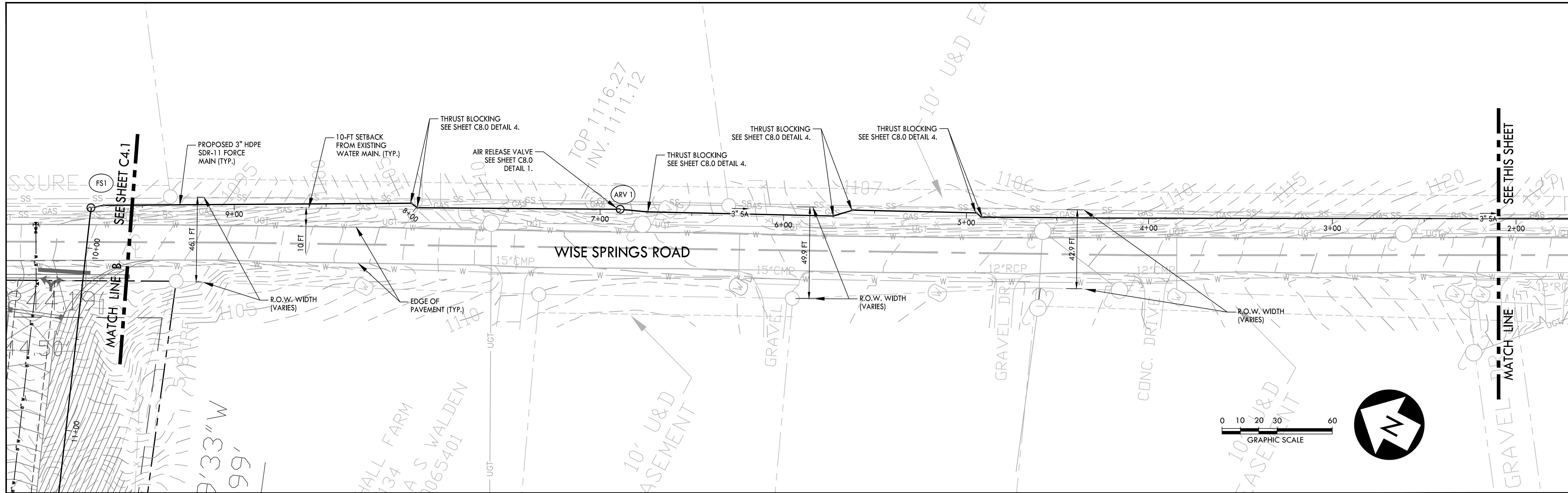


DETAILED UTILITY PLAN  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
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C4.3

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR





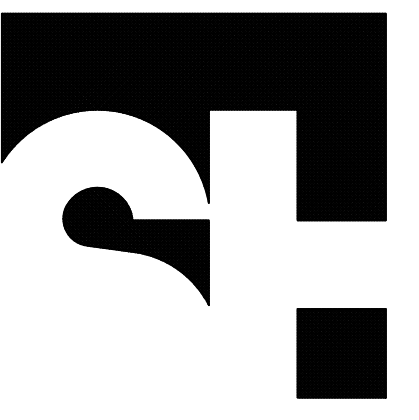
**PLANT SCHEDULE:**

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	SPREAD	REMARKS
LARGE	11		Acer saccharum	Sugar Maple	8 & 8	2"	10'-12'	3-4'	
LARGE	12		Platanus acerifolia	London Planetree	8 & 8	2"	10'-12'	5-6'	
EVERGREEN	33		Picea abies	Norway Spruce	8 & 8	2"	10'-12'	5-6'	
EVERGREEN	48		Pinus nigra	Austrian Pine	8 & 8	2"	10'-12'		
MEDIUM	33		Ulmus parvifolia 'UPWTF'	Bosque Lacebark Elm	8 & 8	2"	16'-18'	4.5-5'	Well branched
MEDIUM	20		Zelkova serrata 'Village Green'	Village Green Zelkova	8 & 8	2"			Street tree - Limb Ht 6'

UNDERSTORY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	SPREAD	REMARKS
MEDIUM	66		Prunus serrulata 'Kwanzan'	Kwanzan Cherry	8 & 8	2"			

**LANDSCAPE REGULATIONS:**

1. THE DEVELOPMENT WILL COMPLY WITH KNOX COUNTY ZONING CODE FOR REQUIREMENTS FOR LANDSCAPE PLANTINGS.
2. EXISTING WOODED AREAS ARE APPROXIMATE BASED ON AERIAL IMAGERY. ACTUAL AREAS MAY VARY.

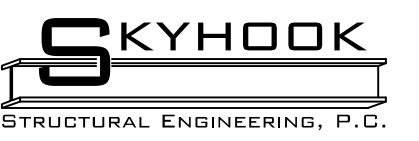


**STENDEL-HILL ARCHITECTURE**

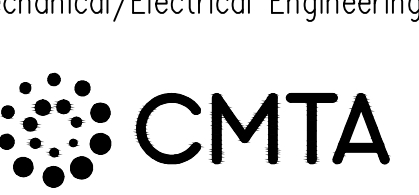
613 West Main Street  
Louisville, Kentucky 40202  
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502.893.1875 fax



Civil Engineering



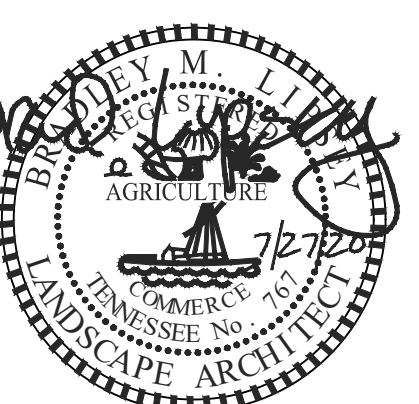
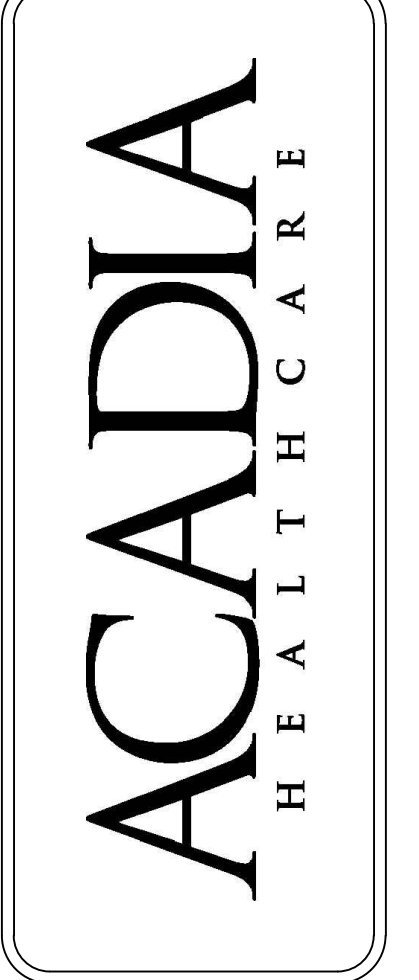
Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design

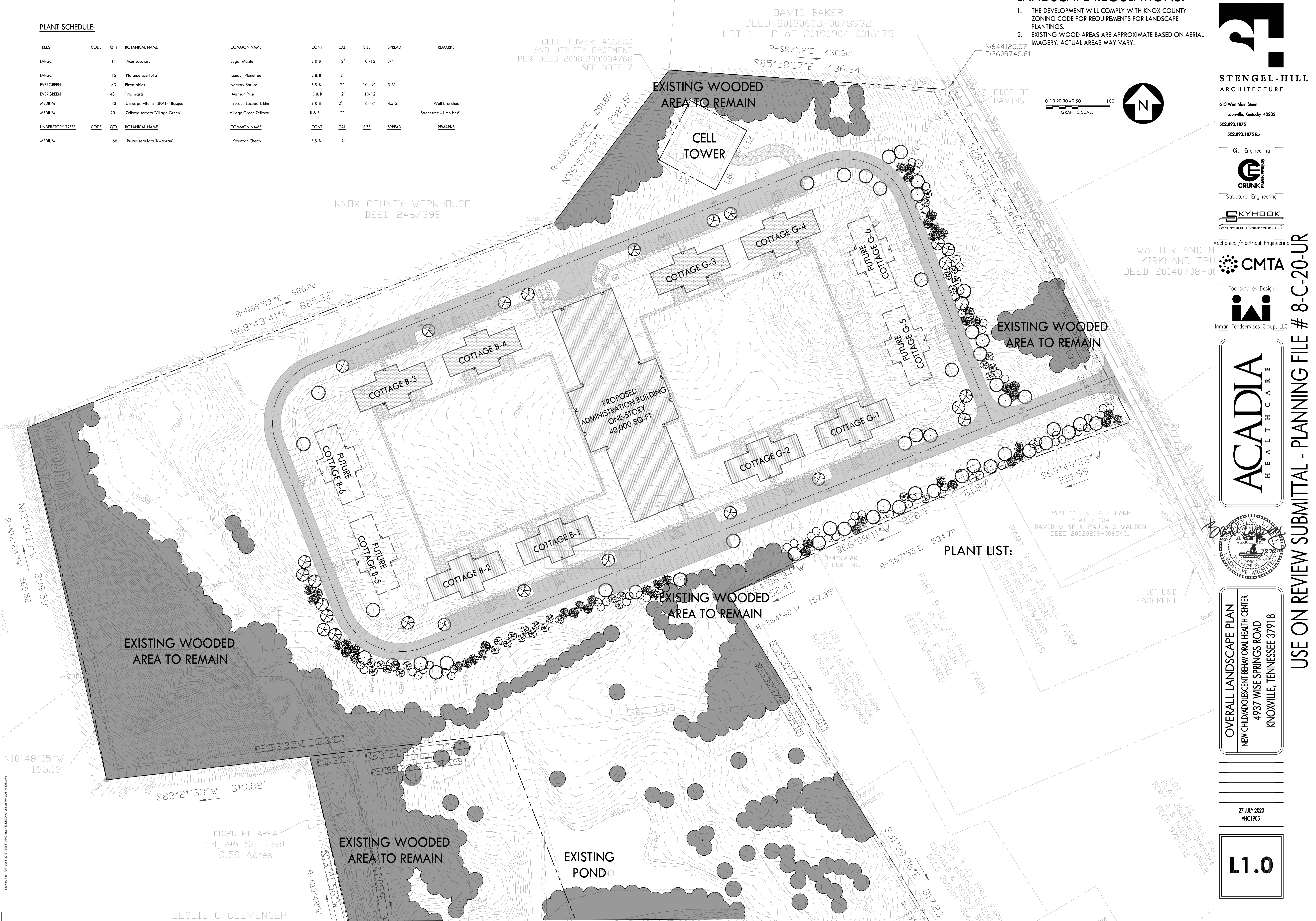


**OVERALL LANDSCAPE PLAN**  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

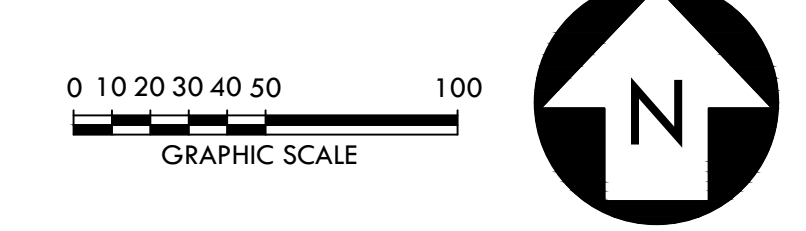
27 JULY 2020  
AHC1905

**L1.0**

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR

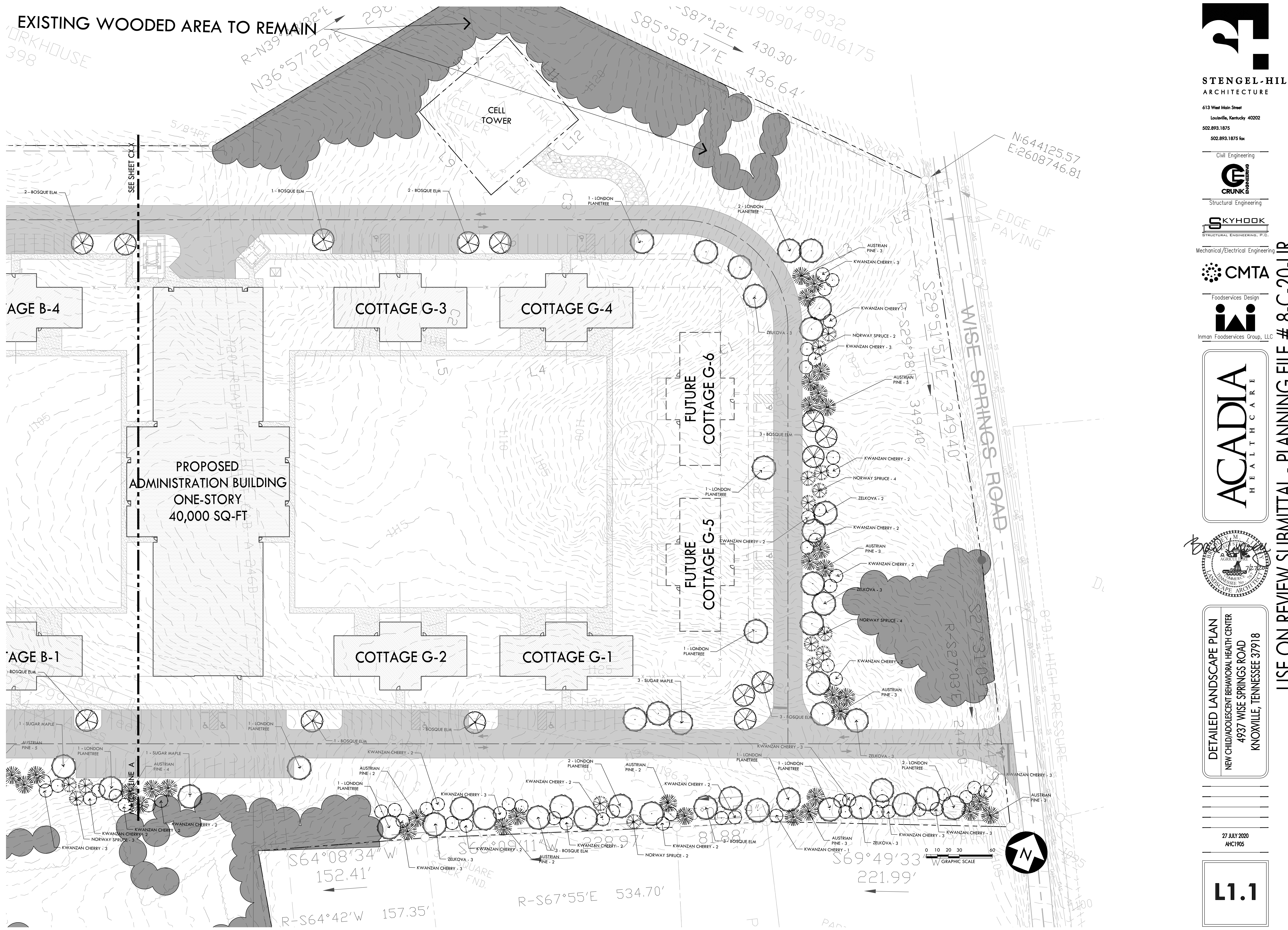


**PLANT LIST:**



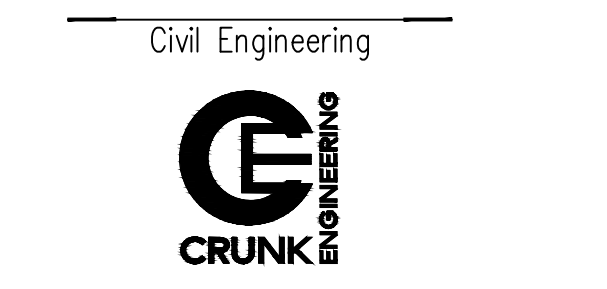
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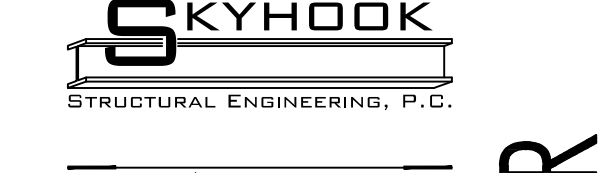


**STENGEL-HILL ARCHITECTURE**

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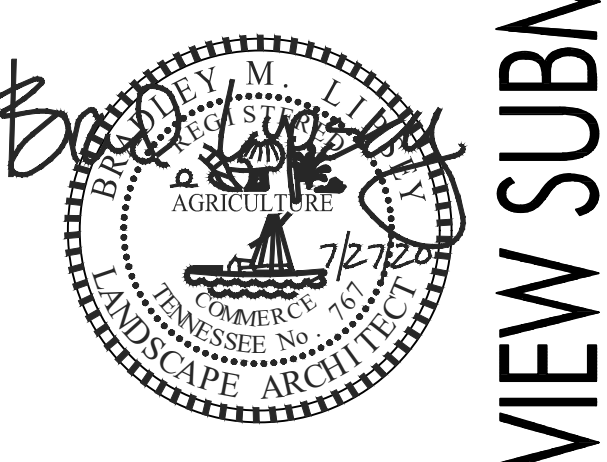
Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design



**DETAILED LANDSCAPE PLAN**  
 NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
 4937 WISE SPRINGS ROAD  
 KNOXVILLE, TENNESSEE 37918

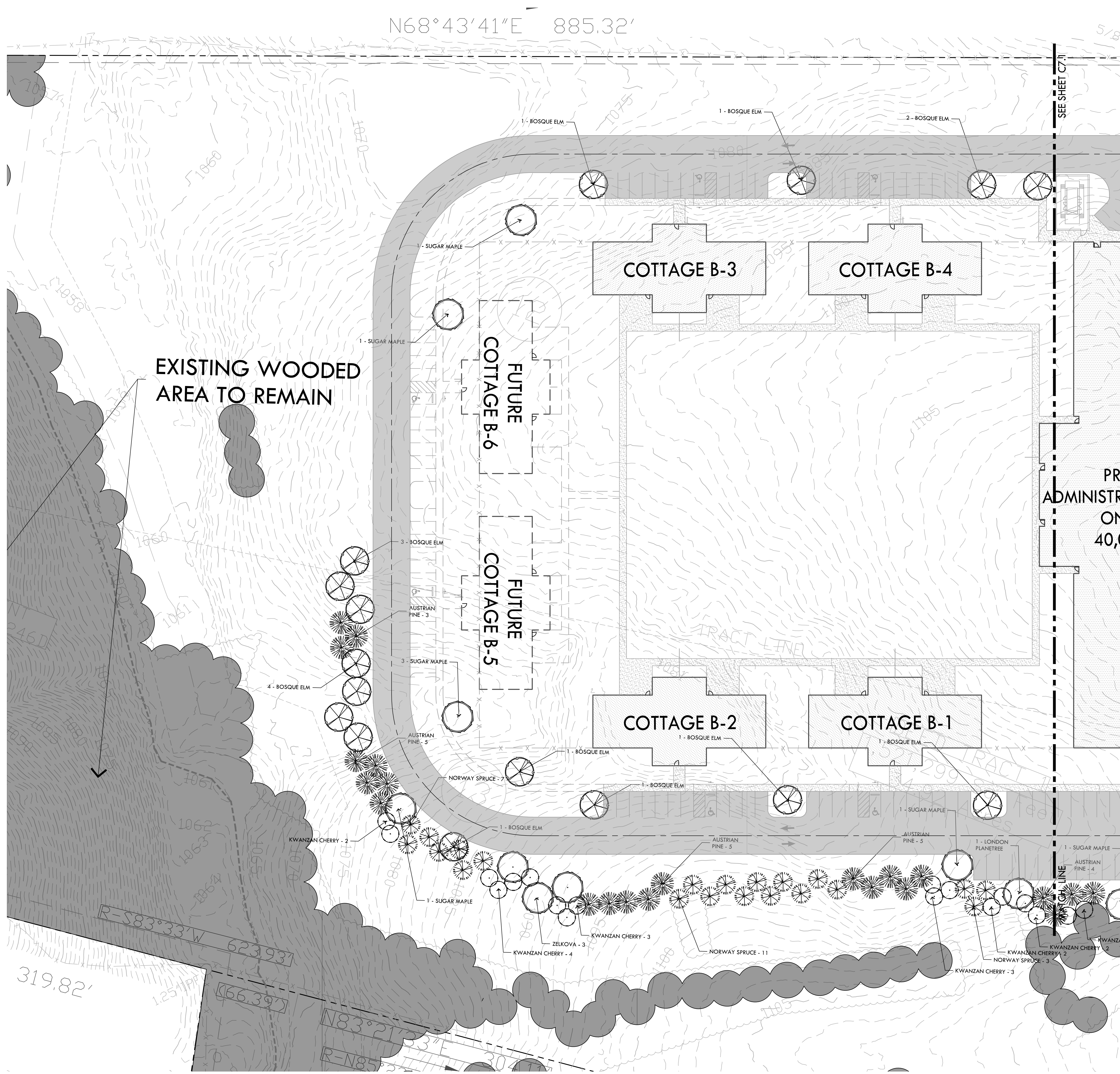
27 JULY 2020  
 AHC1905

**L1.1**

USE ON REVIEW SUBMITTAL - PLANNING FILE # 8-C-20-UR

Small vertical text at the bottom left corner, likely a drawing file path or revision note.





EXISTING WOODED  
AREA TO REMAIN

COTTAGE B-3

COTTAGE B-4

FUTURE  
COTTAGE B-6

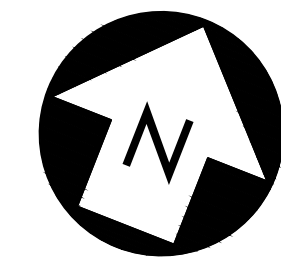
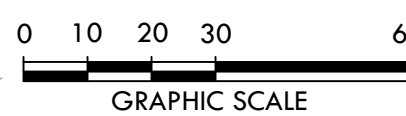
FUTURE  
COTTAGE B-5

COTTAGE B-2

COTTAGE B-1

PR  
ADMINISTR  
ON  
40,0

TRACT LINE



N68°43'41"E 885.32'

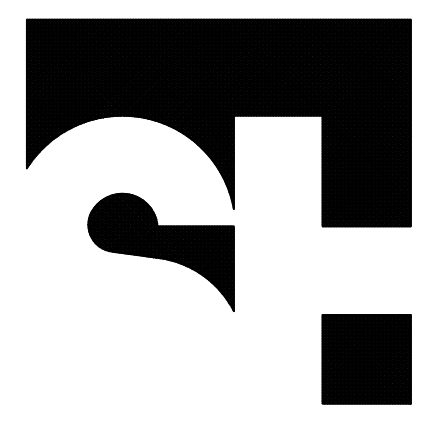
319.82'

125.11'

66.39'

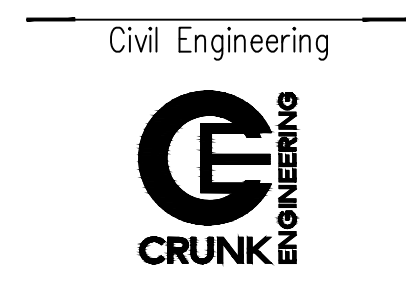
83°21'

85'



STENGENL-HILL  
ARCHITECTURE

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502.893.1875 fax



Civil Engineering



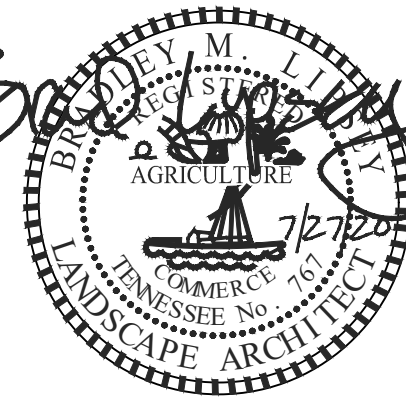
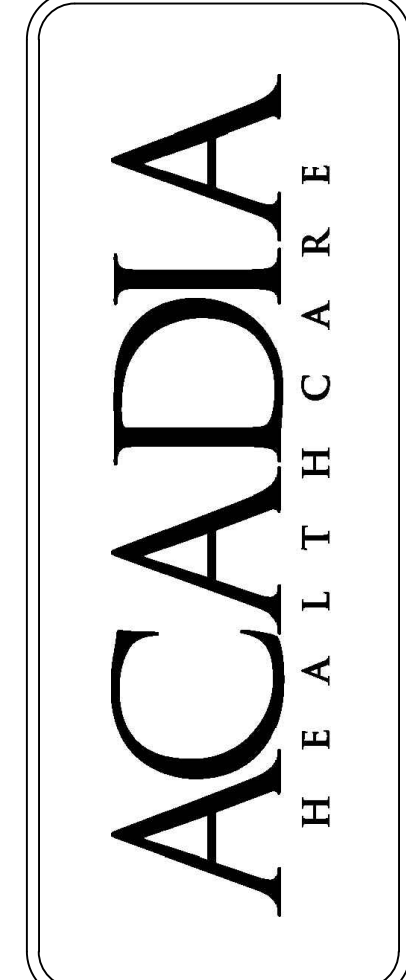
Structural Engineering



Mechanical/Electrical Engineering



Foodservices Design



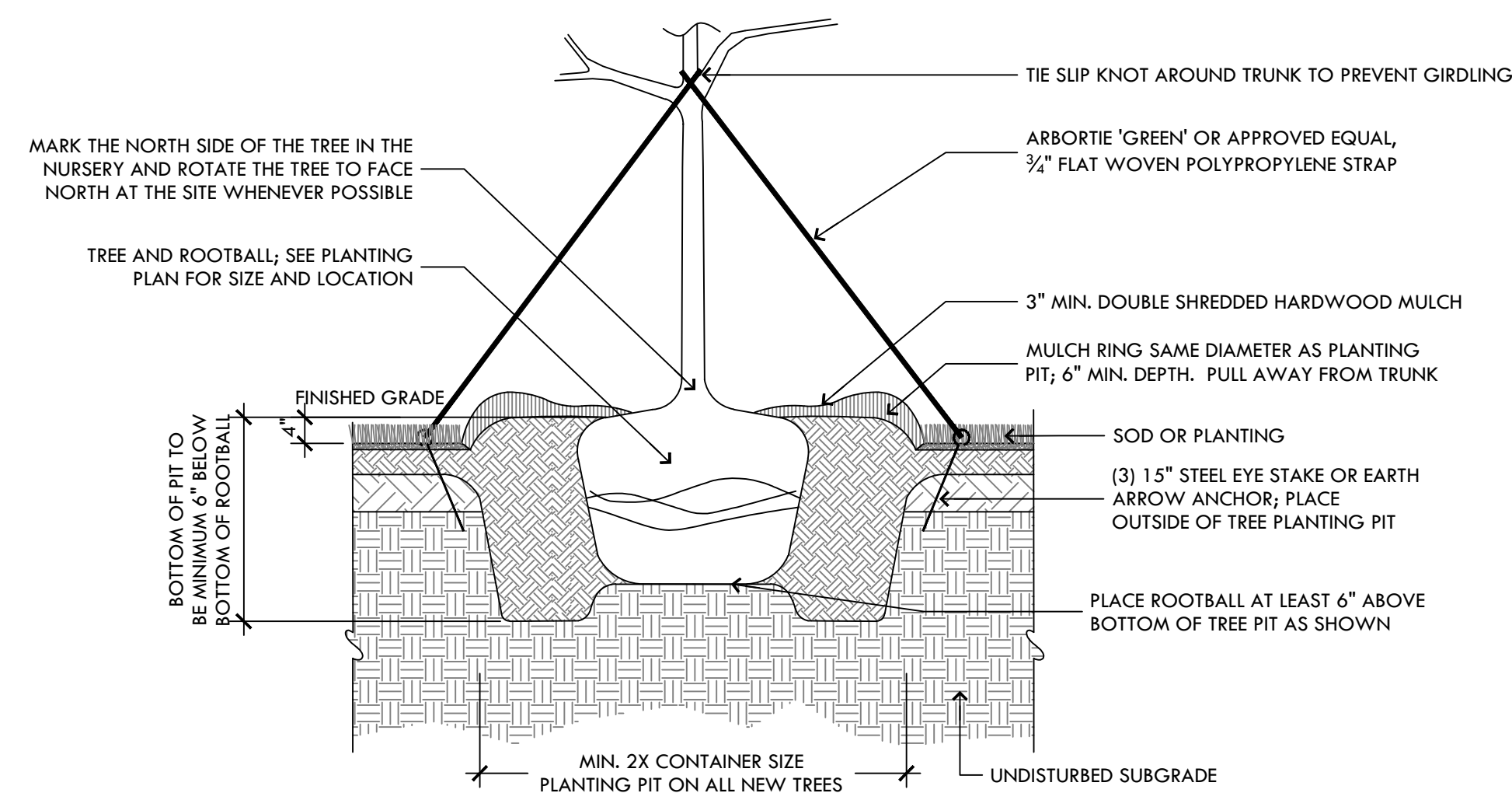
DETAILED LANDSCAPE  
NEW CHILD/ADOLESCENT PSYCHIATRIC HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

27 JULY 2020  
AHC1905

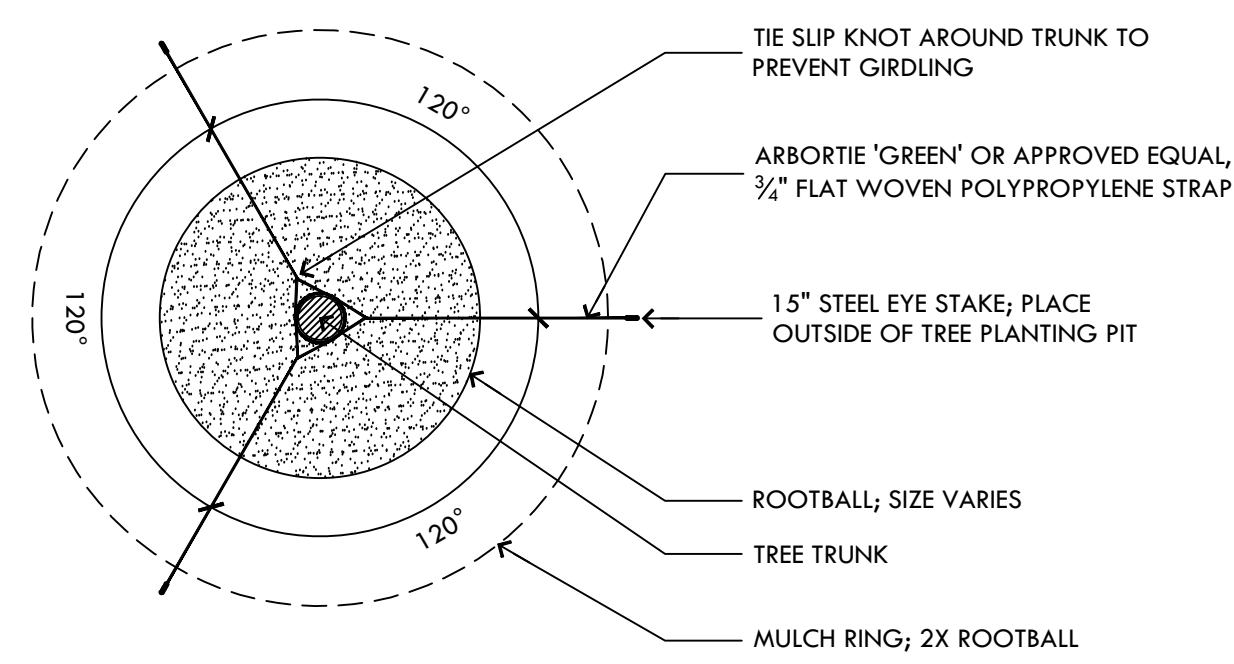
L1.2

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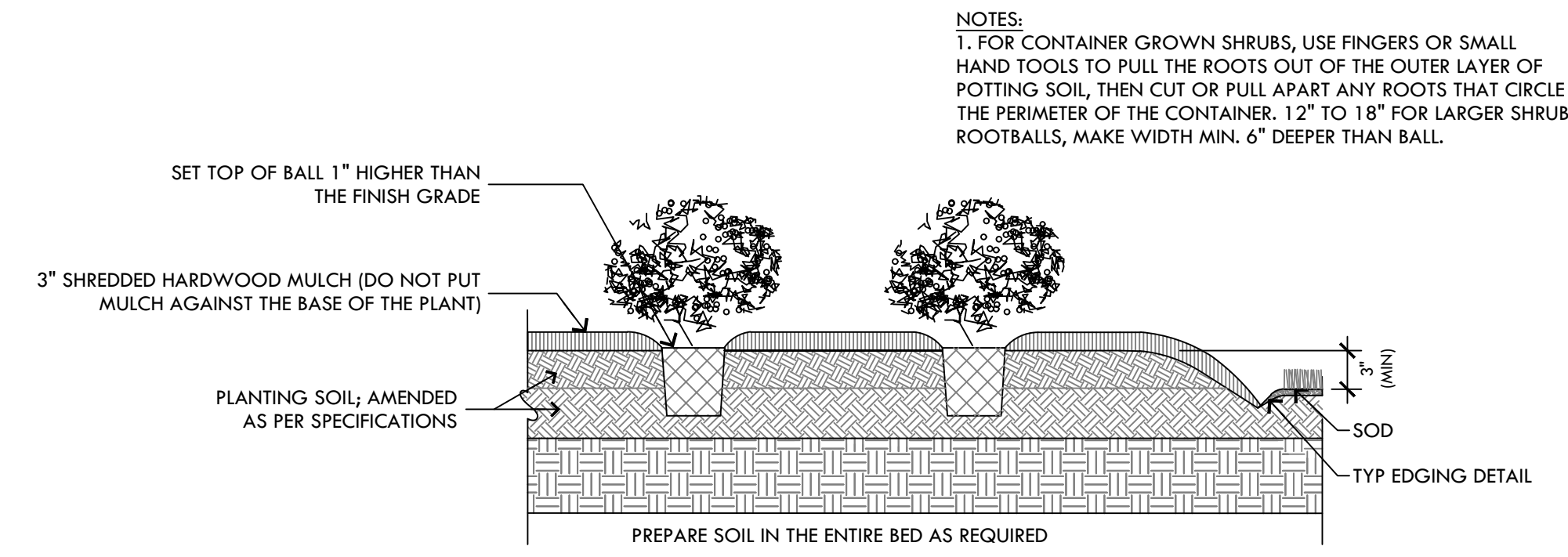




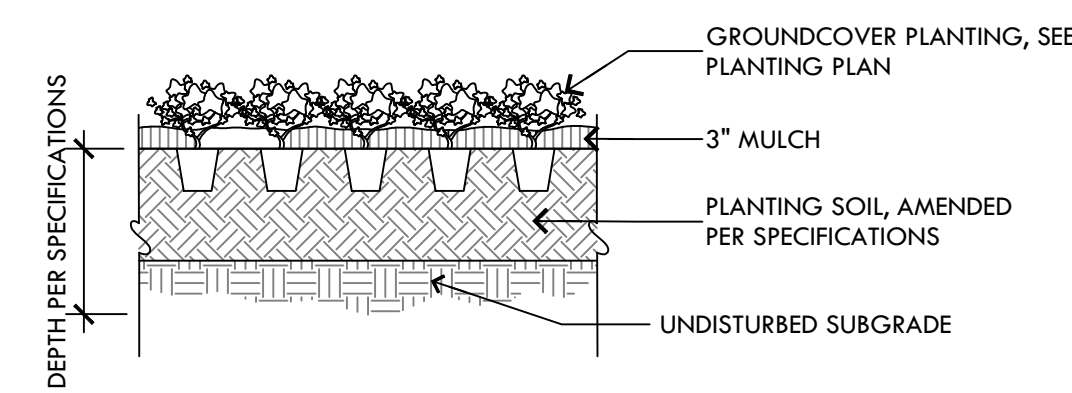
**A TREE PLANTING - TYPICAL SECTION** 1/2" = 1'-0"



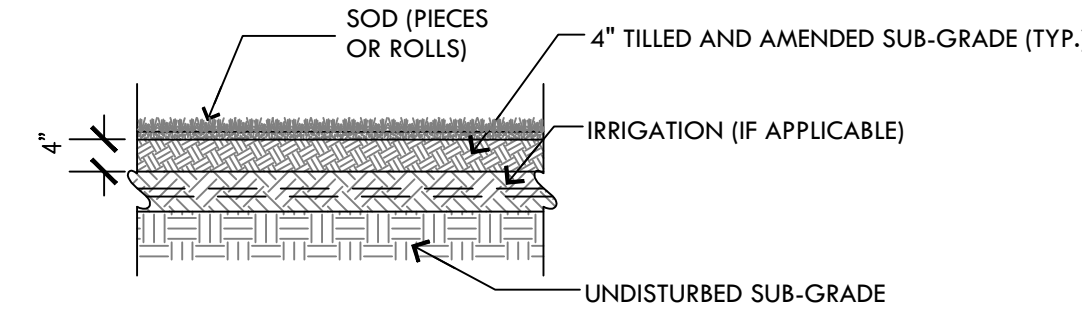
**B TREE STAKING - TYPICAL PLAN** 1/2" = 1'-0"



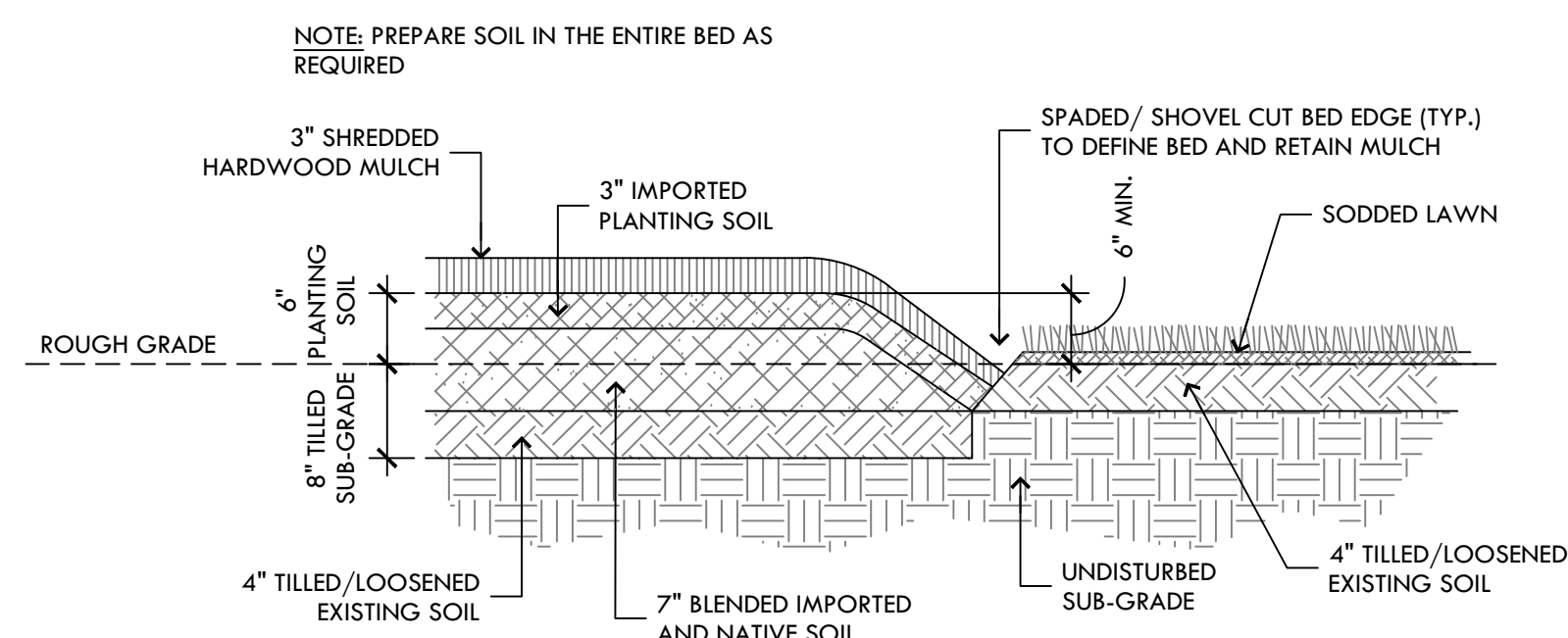
**C SHRUB PLANTING - TYPICAL SECTION** 1/2" = 1'-0"



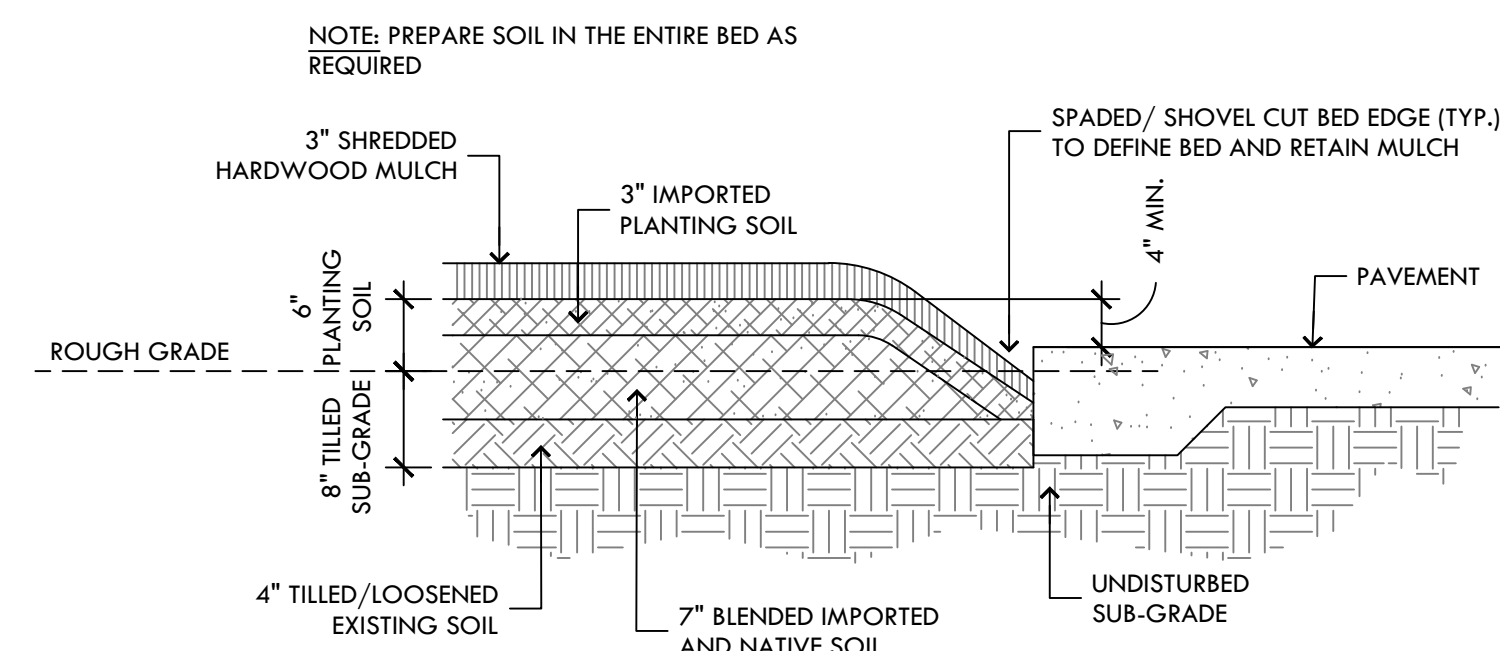
**D GROUND COVER PLANTING - TYPICAL SECTION** 1/2" = 1'-0"



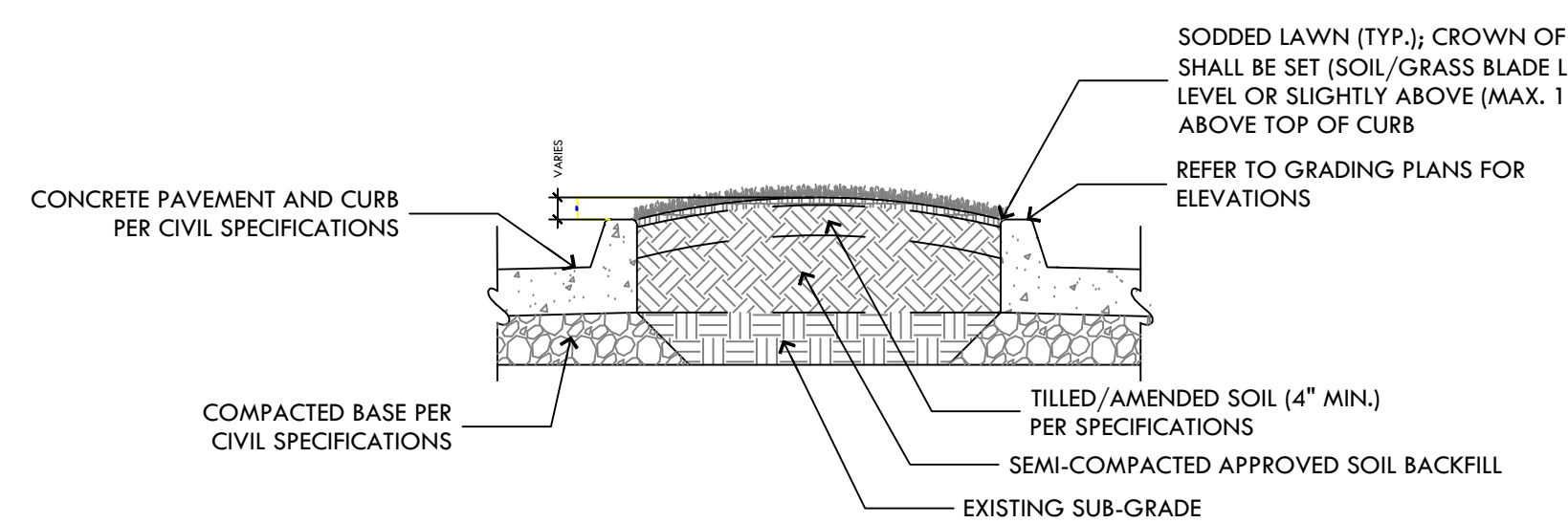
**E LAWN SECTION** 1/2" = 1'-0"



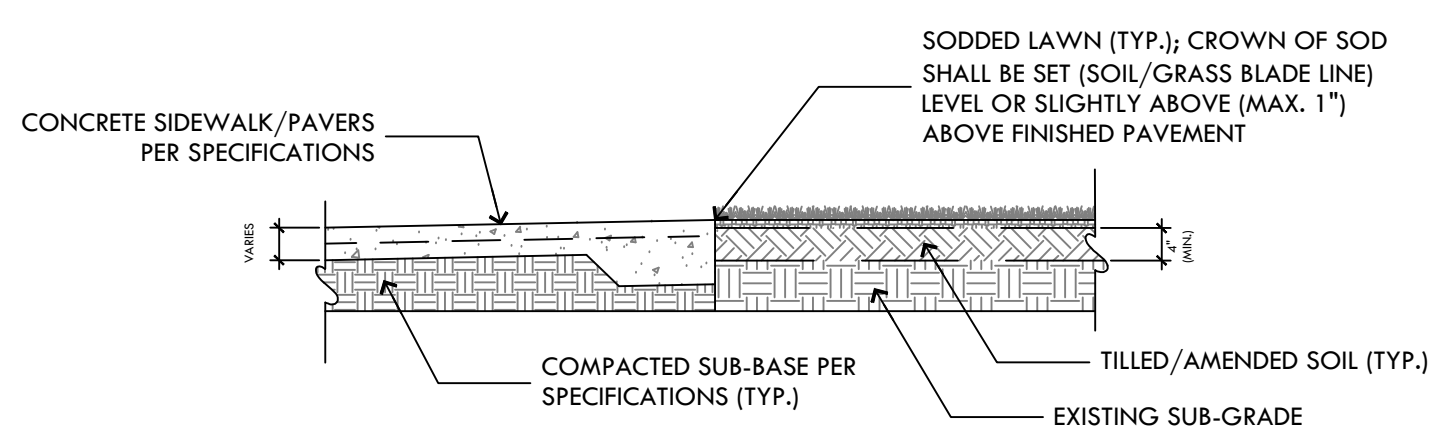
**G BED PREP - TYPICAL SECTION** 3/4" = 1'-0"



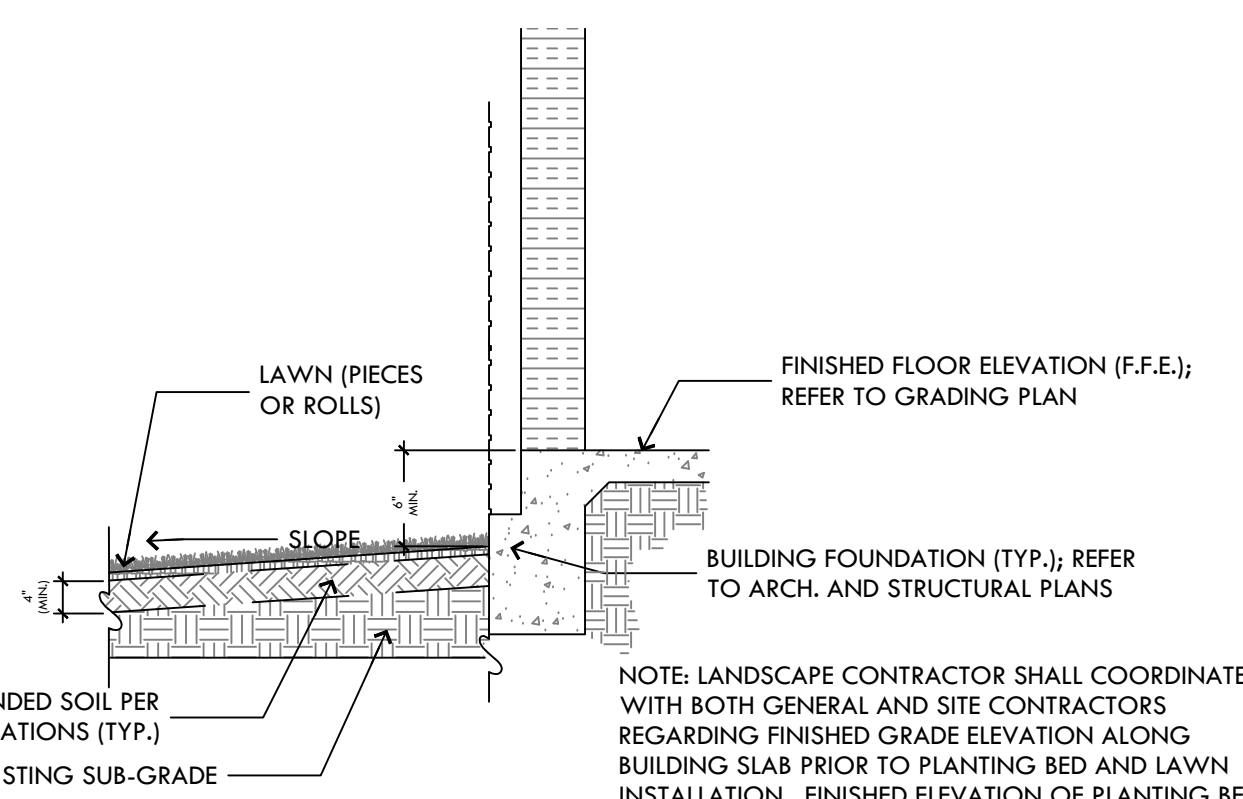
**H BED PREP AT PAVEMENT - TYPICAL SECTION** 3/4" = 1'-0"



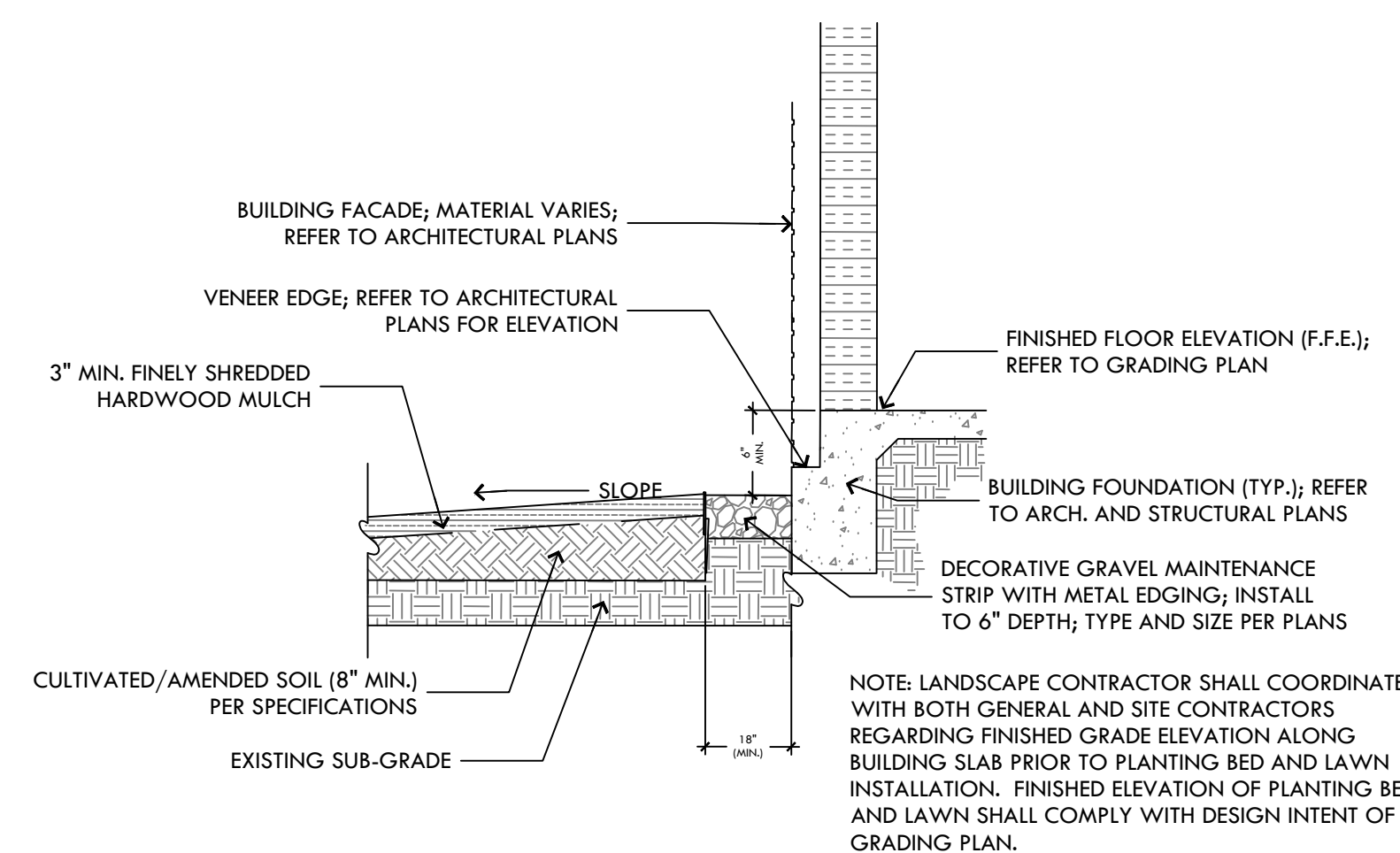
**J INTERIOR PARKING ISLAND (LAWN) SECTION** 1/2" = 1'-0"



**K PAVEMENT/LAWN TRANSITION SECTION** 1/2" = 1'-0"



**L LAWN AT BUILDING FOUNDATION SECTION** 1/2" = 1'-0"



**M GRAVEL BED AT BUILDING FOUNDATION SECTION** 1/2" = 1'-0"

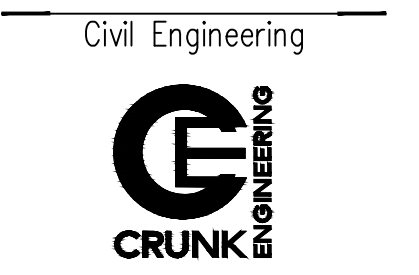
**GENERAL PLANTING NOTES**

1. LOCATE ALL UTILITIES ON SITE PRIOR TO COMMENCING WORK. ANY DAMAGE DONE TO EXISTING OR NEW UTILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO OWNER.
2. PLANTS SHALL BE WELL FORMED, NO. 1 GRADE OR BETTER NURSERY STOCK AND SHALL MEET THE APPLICABLE STANDARDS NOTED HEREIN OR SHALL BE SUBJECT TO REJECTION BY THE LANDSCAPE ARCHITECT.
3. STAKE OUT ALL TREE LOCATIONS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. LOCATE ALL TREES AS SHOWN ON PLAN.
4. COORDINATE WORK WITH THE WORK OF OTHER TRADES ON THE SITE.
5. ENTIRE SITE SHALL BE GRADED TO FINISH GRADE PRIOR TO SCHEDULING PLANTING INSTALLATION.
6. PLANTS SHALL BE SPECIMEN QUALITY, FULL POT AND HEAD, SYMMETRICAL FOLIAGE AND BRANCHING STRUCTURE. SHRUBS SHALL BE FULL TO GROUND.
7. PLANT MATERIAL OF THE SAME SPECIES SHALL BE MATCHING IN CHARACTER AND SIZE, OBTAINED FROM THE SAME SOURCE.
8. ANY CHANGES IN PLANT MATERIAL SIZE, QUANTITY, SPECIES OR VARIETY MUST BE APPROVED BY THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
9. SOIL SAMPLES: CONTRACTOR SHALL TAKE SOIL SAMPLES FROM SEVERAL AREAS (CONTRACTOR TO IDENTIFY ON SITE PLAN) OF THE SITE SCHEDULED FOR GRASSING/LANDSCAPING TO BE ANALYZED BY INDEPENDENT TESTING LAB. PROVIDE LANDSCAPE ARCHITECT WITH THE WRITTEN REPORT OF RECOMMENDATIONS FOR SOIL AMENDMENTS & FERTILIZERS TO BE USED ON SITE. CONTRACTOR SHALL RECEIVE ENDORSEMENT OF RECOMMENDATIONS FROM LANDSCAPE ARCHITECT AND INCORPORATE ACCORDINGLY. ALL OF THE ABOVE SHALL BE DONE WITH NO ADJUSTMENTS TO EITHER THE CONTRACT SUM OR CONTRACT TIME.
10. CONTRACTOR TO PROVIDE MIN. 100 S.F. MOCK-UP OF FULLY AMENDED BED PREPARATION INCLUDING TILLING SUB-GRADE PER SPECIFICATIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO COMPLETING REMAINING BED PREPARATIONS AND PLANT INSTALLATION.
11. QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY, CONTRACTOR SHALL VERIFY QUANTITIES BASED ON PLAN SYMBOLS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECTS ATTENTION.



**STENDEL-HILL ARCHITECTURE**

613 West Main Street  
Louisville, Kentucky 40202  
502.893.1875  
502.893.1875 fax



Civil Engineering



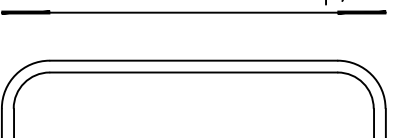
Structural Engineering



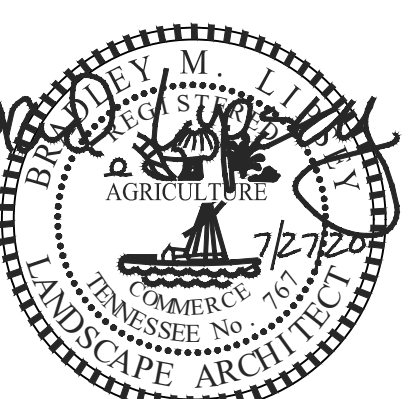
Mechanical/Electrical Engineering



Foodservices Design



**ACADIA HEALTH CARE**



**LANDSCAPE DETAILS**  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
4937 WISE SPRINGS ROAD  
KNOXVILLE, TENNESSEE 37918

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**L2.0**

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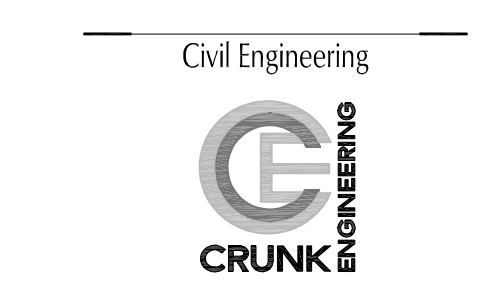
LEGEND

- New Building Area
- Circulation - Patient
- Circulation - Staff



**STENGENL-HILL**  
ARCHITECTURE

613 WEST MAIN STREET  
LOUISVILLE, KENTUCKY 40202  
502.893.1875  
502.893.1876 fax



Civil Engineering  
Structural Engineering



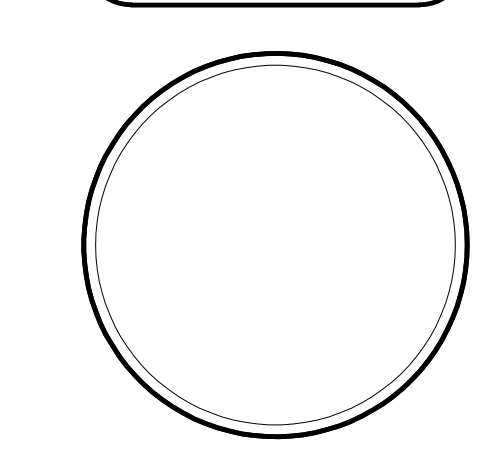
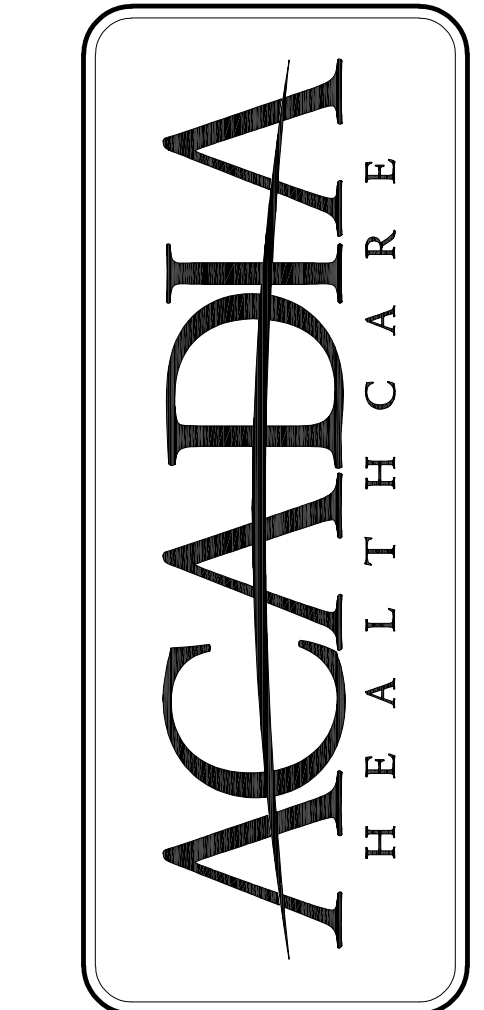
Mechanical/Electrical Engineering



Foodservices Design



Inman Foodservices Group, LLC

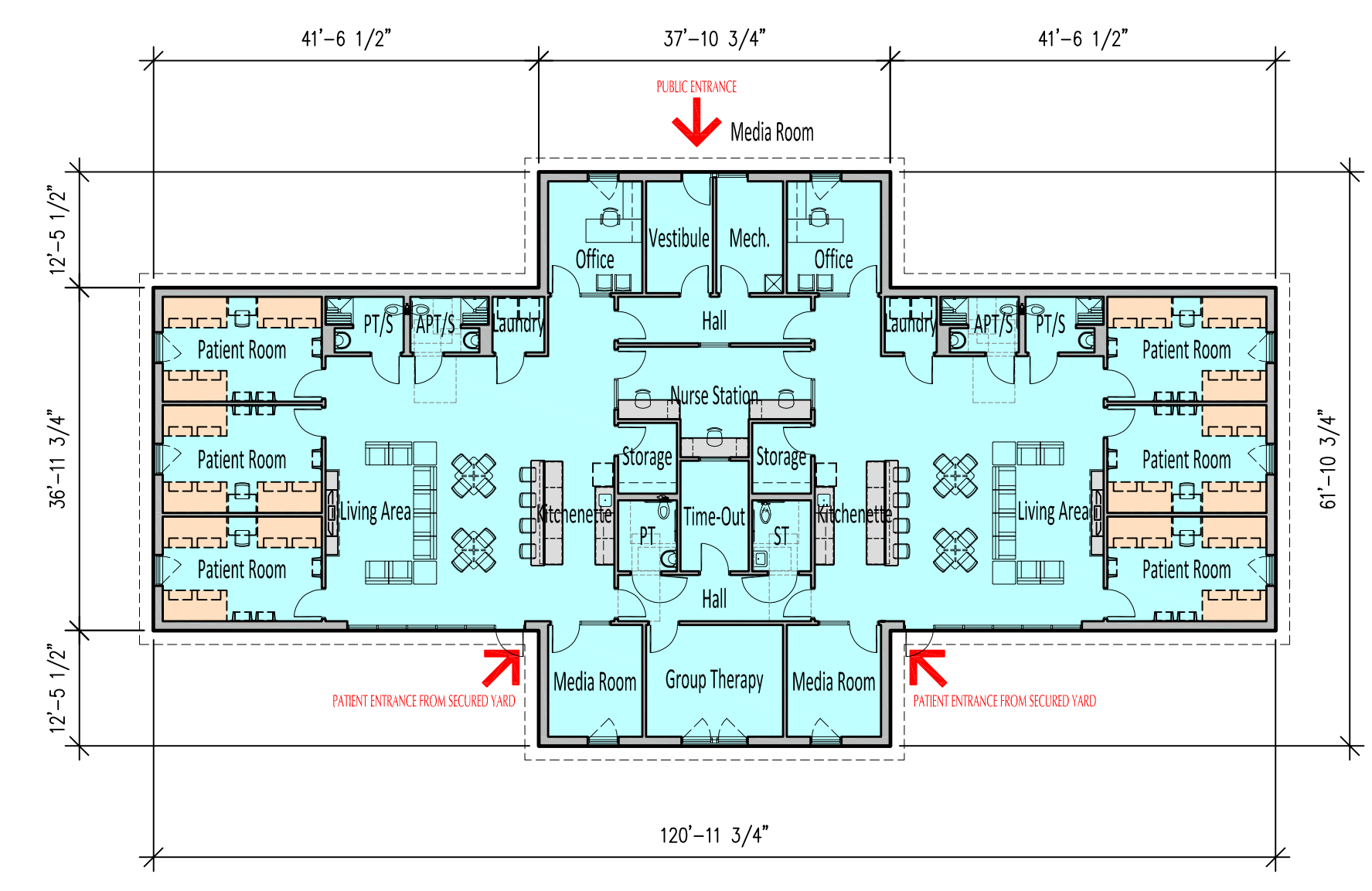


COMPOSITE FLOOR PLANS  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
ACADIA HEALTHCARE  
KNOXVILLE, TENNESSEE

27 JULY 2020  
AHC1919

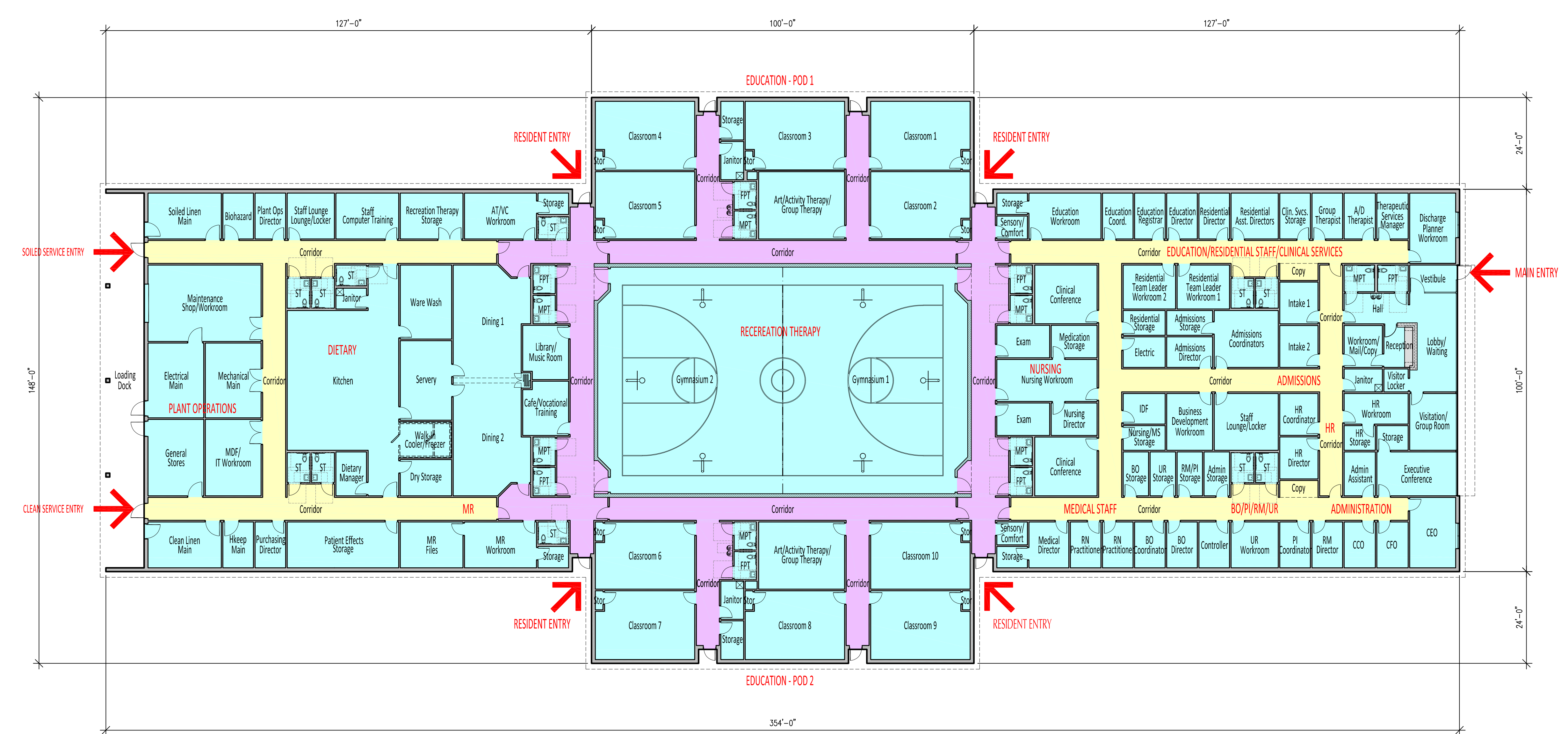
**A4.1**

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**02** TYPICAL 18-BED PRTF COTTAGE  
CONCEPTUAL FLOOR PLAN

A4.1  
New Building Area 5,420 sf



**01** MAIN LODGE  
CONCEPTUAL FLOOR PLAN

A4.1  
New Building Area 39,045 sf





STENDEL-HILL  
ARCHITECTURE

613 WEST MAIN STREET  
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Civil Engineering



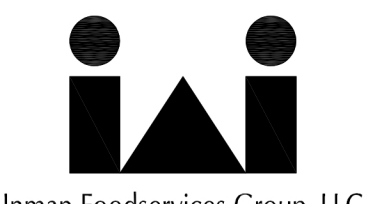
Structural Engineering



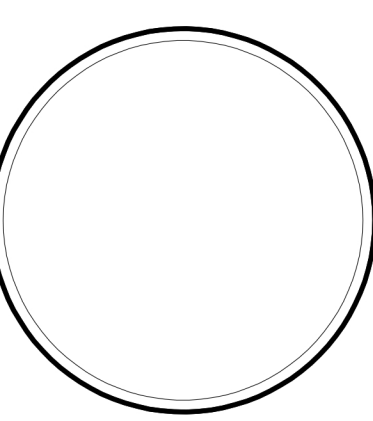
Mechanical/Electrical Engineering



Foodservices Design



Inman Foodservices Group, LLC

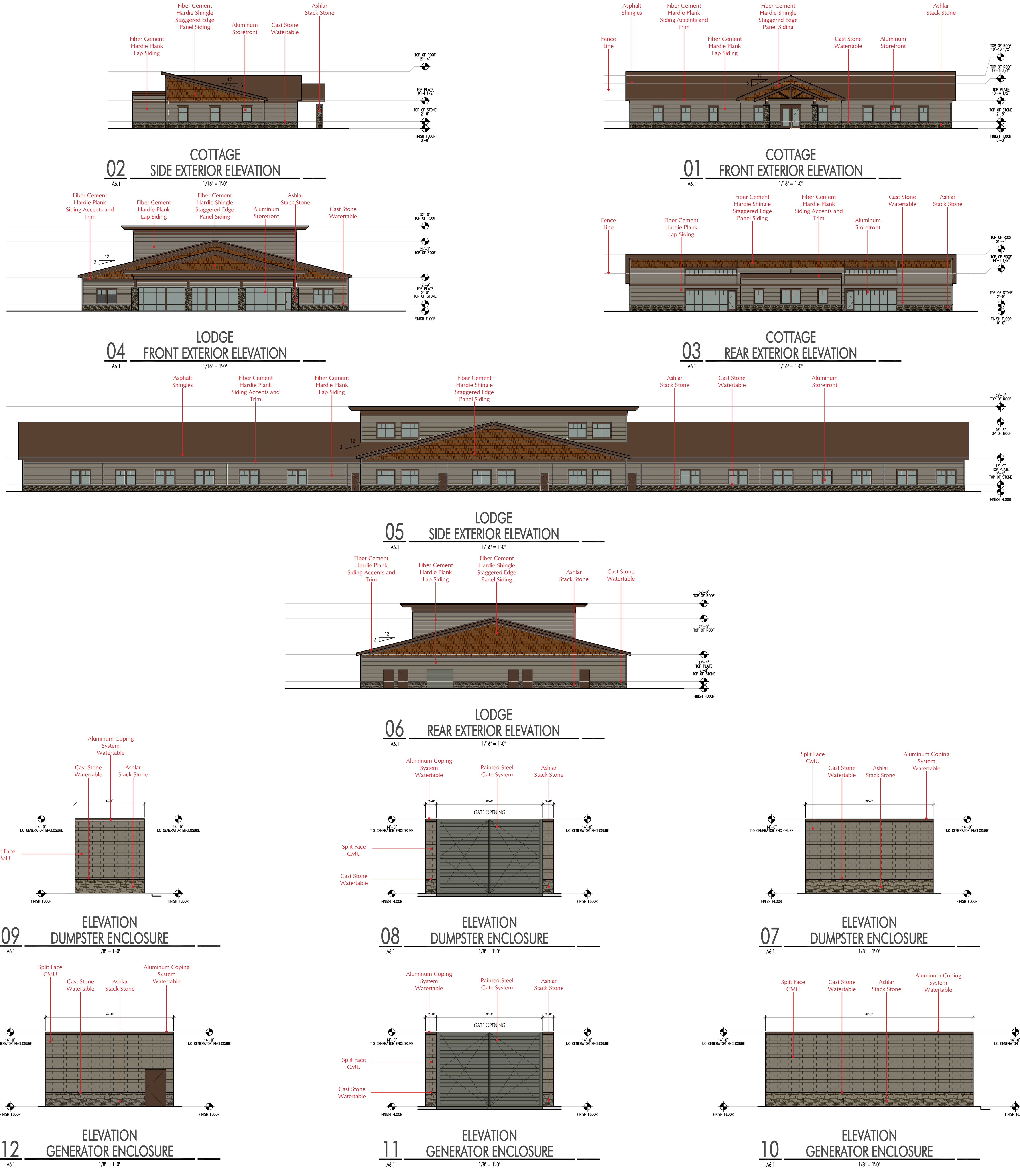


EXTERIOR ELEVATIONS  
NEW CHILD/ADOLESCENT BEHAVIORAL HEALTH CENTER  
ACADIA HEALTHCARE  
KNOXVILLE, TENNESSEE

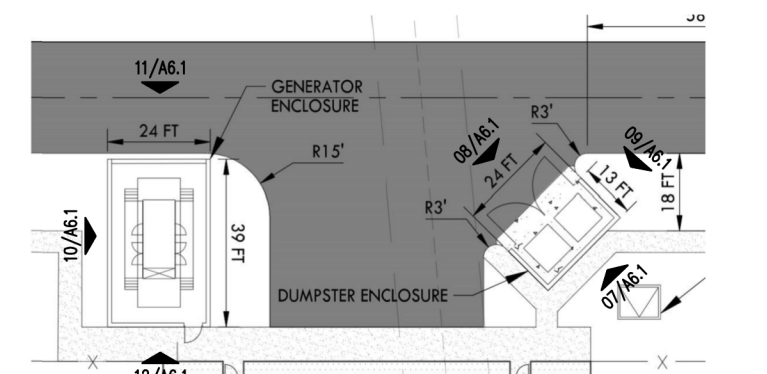
27 JULY 2020  
AHC1919

A6.1

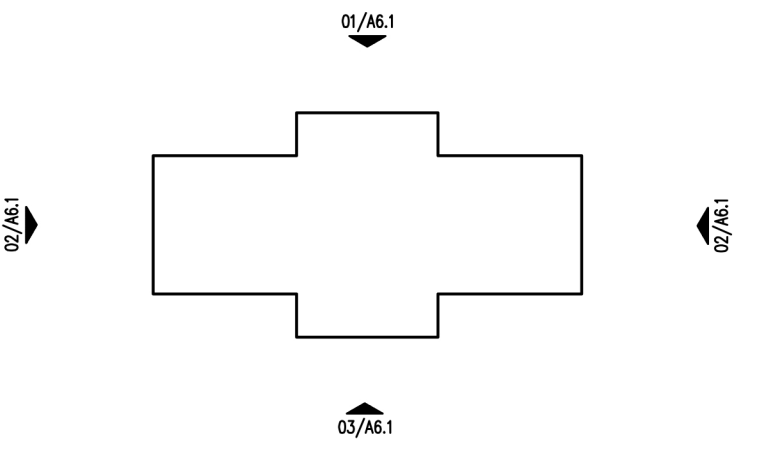
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GENERATOR/DUMPSTER  
ELEVATION KEYPLAN



COTTAGE  
ELEVATION KEYPLAN



LODGE  
ELEVATION KEYPLAN

