

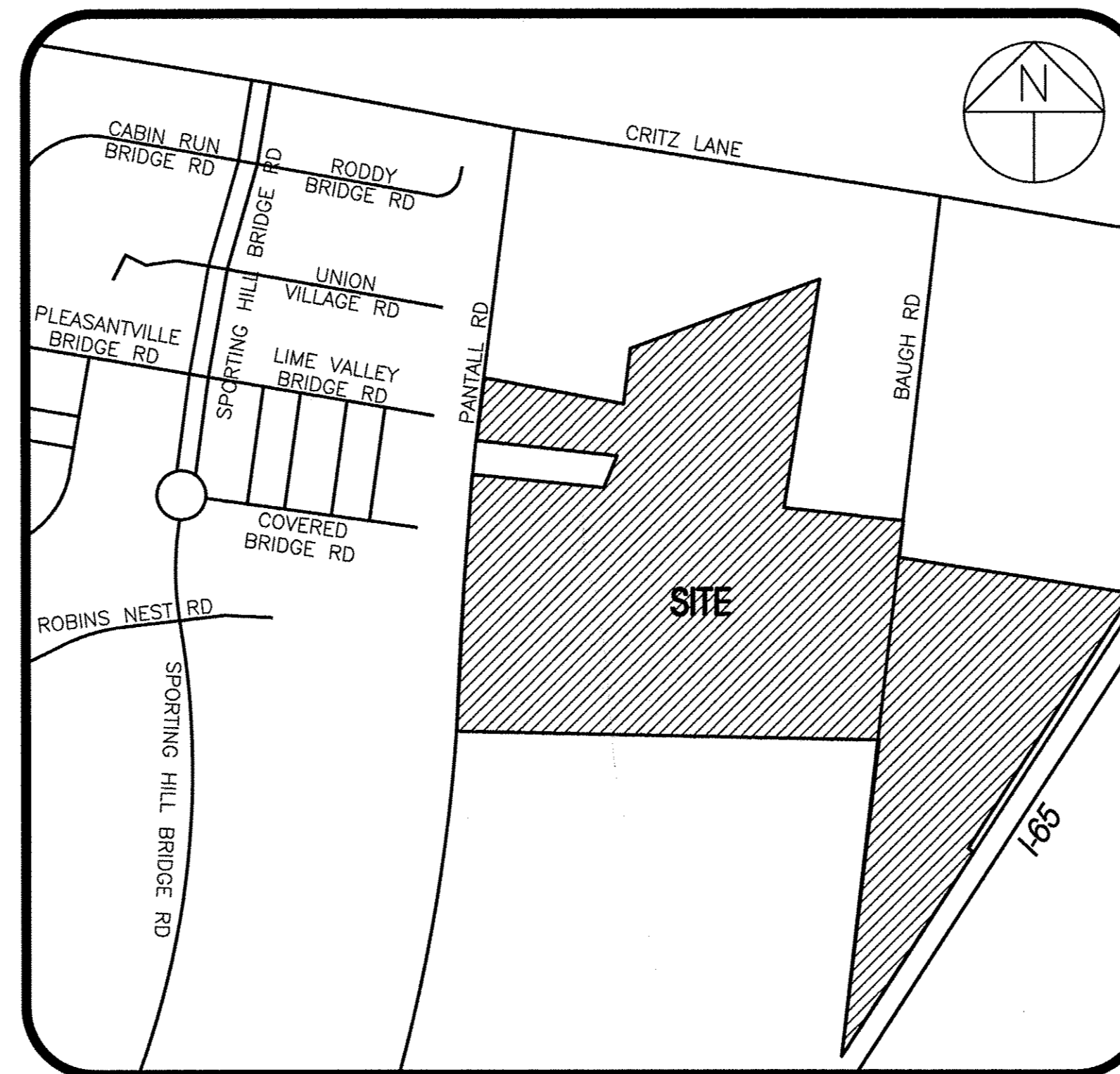
Littlebury Subdivision

Thompson's Station, Tennessee

Construction Drawings

Drawing Index

Sheet No.	Title
C0.0	Cover Sheet
C0.1	Master Site Plan
C1.0 - C1.7	Preliminary Plat
C2.0 - C2.1	Existing Conditions and Initial EPSC Plan
C3.0 - C3.1	Intermediate EPSC Plan
C4.0 - C4.4	Grading and Drainage Plan
C5.0 - C5.7	Road Plan and Profile
C6.0 - C6.2	Notes and Details
C7.0 - C7.1	Offsite Road Improvements



Site Location Map

Not To Scale

Watershed: West Harpeth River

Owner:

- Kim Davis
2625 Baugh Ln.
Thompson station, TN 37179
DB 6178
PG 490
- Lisa Horvath
2632 Pantall Rd.
Thompson Station, TN 37179
DB 1488
PG 898
- W.T. Williams
2638 Pantall Rd.
Thompson Station, TN 37179
DB 1000
PG 757
- Robert White
6430 Arno Rd.
College Grove, TN 37046
DB 4461
PG 864
- Don Cameron
2634 Baugh Ln.
Thompson Station, TN 37179
DB 3881
PG 473
- William Marlin
319 Lakeway Ter.
Springhill, TN 37174
DB 119
PG 170
- Ellen Bogle
6430 Arno Rd.
College Grove, TN 37046
DB 364
PG 372

Developer:

Great Tennessee Land Co.
c/o: Mr. Daniel Woods
7123 Cross Roads, Suite E
Brentwood, TN 37027

Floodplain Note:

No Portion of this site lies within a 100 Year Flood Hazard Area per F.E.M.A. Map No. 47187C0365F, dated Sept. 29, 2006.

Land Data:

91 Buildable Lots on 35.41 Ac.±
13 Open Space Lots on 45.75 Ac.± (50%)
Total Land Area: 91.17 Ac.±
Zoned: D1

Lot Setbacks:

Front: 25'
Side: 10'
Rear: 30'

Deed Reference:

The property shown hereon as follows, in Williamson County.

Tax Map	Parcel	Deed	Page
145	34.00	4461	864
145	34.05	364	372
145	37.00	1000	757
145	37.01	1488	898
145	37.07	6178	490
145	38.00	119	170
145	39.00	3881	473

S.T.E.P. System Data:

Wastewater Lots: 10.60± Acres
Design Flow = 30,000 GPD
Required Land Application Area + Reserve Area = 5.17 Ac.
Provided Land Application Area + Reserve Area = 6.37 Ac.

Approved by the City of Thompson Station Planning Commission, with such conditions as are indicated in the minutes of the Commission on 1/4/11.

Contacts:

Middle Tennessee Elec. Member. Corp.:
2156 Edward Curd Lane
Franklin, TN 37067
Phone: (615) 794-3561
Contact: Jacob Cain

Engineer/Surveyor:
Site Engineering Consultants, Inc.
850 Middle Tennessee Blvd.
Murfreesboro, TN 37129
Phone: (615) 890-7901
Contact: Jamie Reed

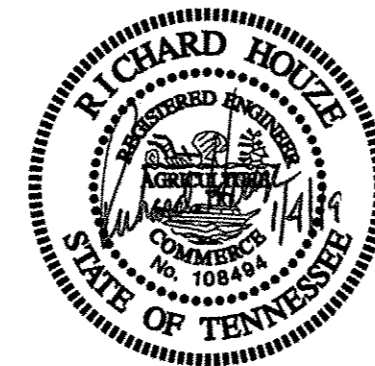
H.B. & T.S.
505 Downs Blvd.
Franklin, TN 37064
Phone: (615) 794-7796

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ENGINEERING · SURVEYING · LAND PLANNING
LANDSCAPE ARCHITECTURE

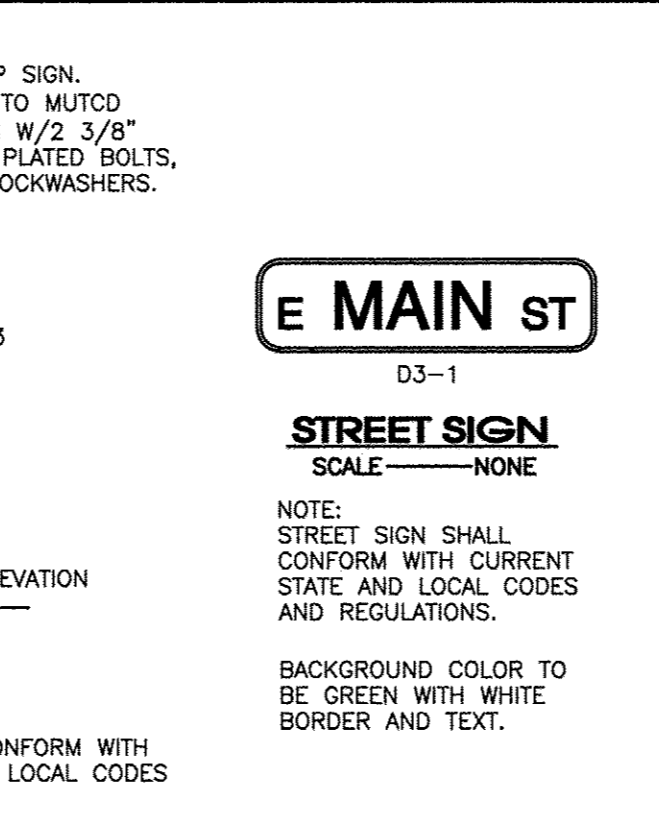
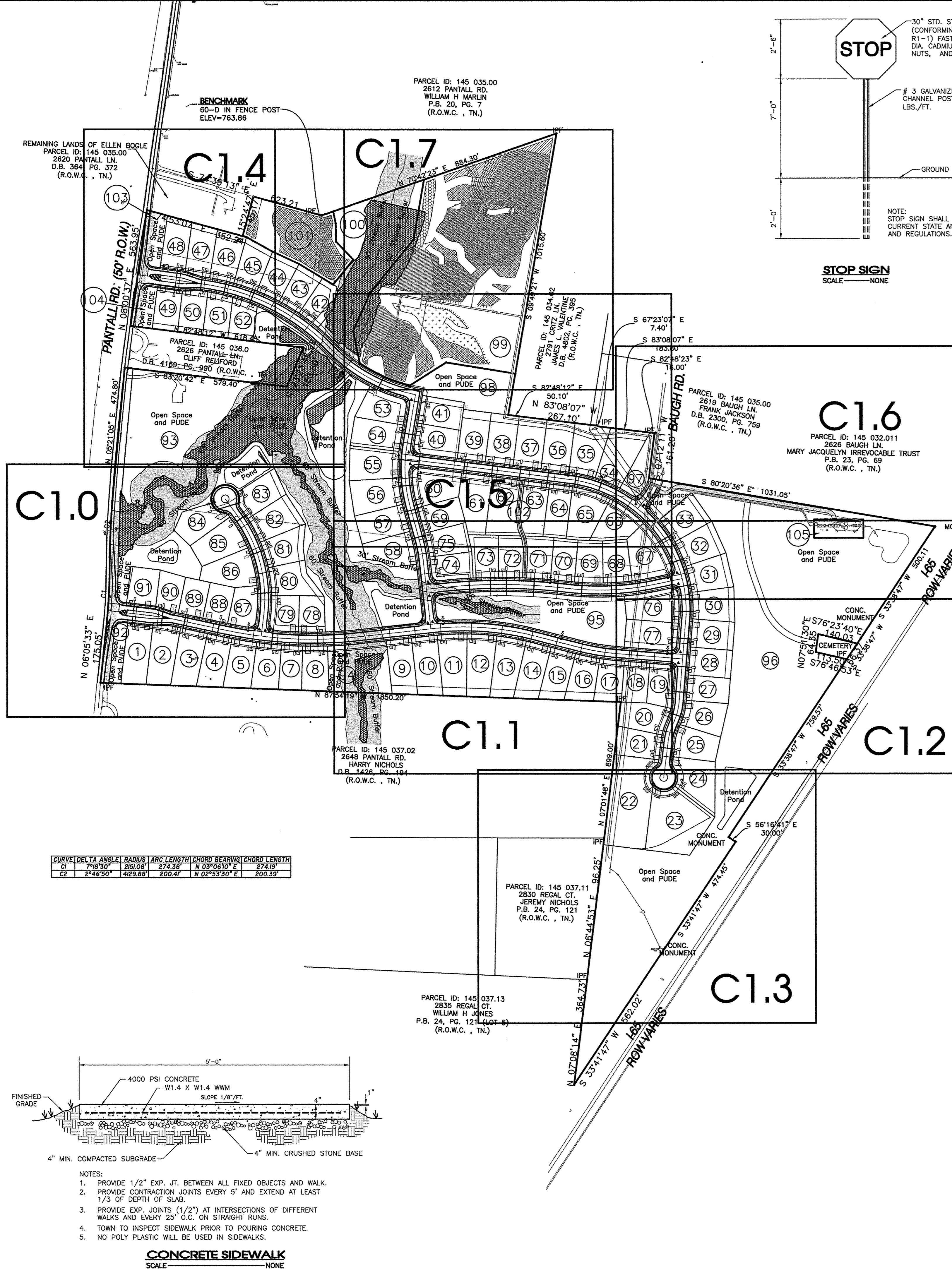
850 MIDDLE TENNESSEE BOULEVARD MURFREESBORO, TENNESSEE 37129
PHONE: (615) 890-7901 E-MAIL: RHOUBE@SEC-CIVIL.COM FAX: (615) 895-2567

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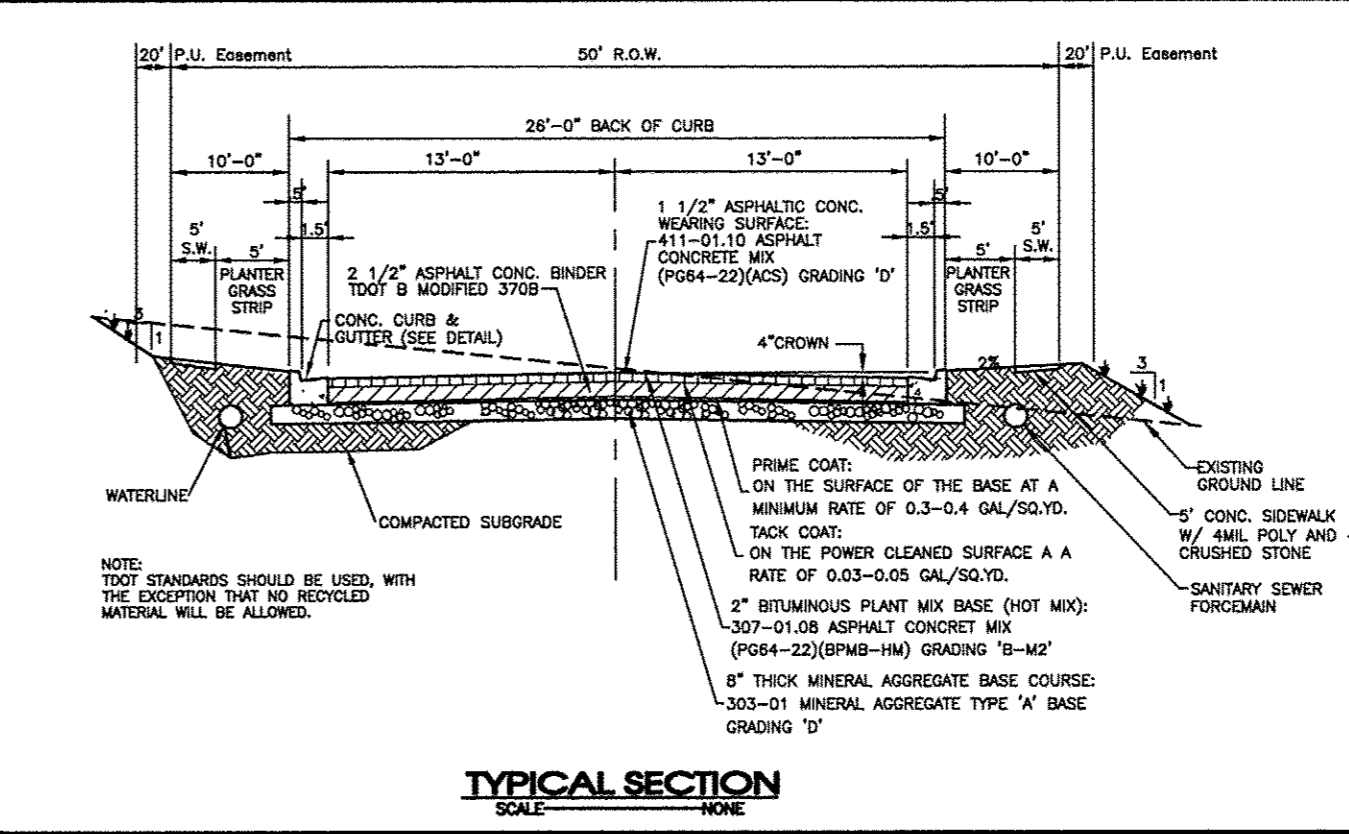
By: Richard Houze Date: 1/4/11
Richard Houze, P.E. TN. Reg. #108494



Sheet C0.0
Littlebury
Construction Drawings
S.E.C. Project #17224
Date: 7-16-18
Revised: 8-30-18 Comments
9-27-18 Update Lot Layout
12-11-18 Comments

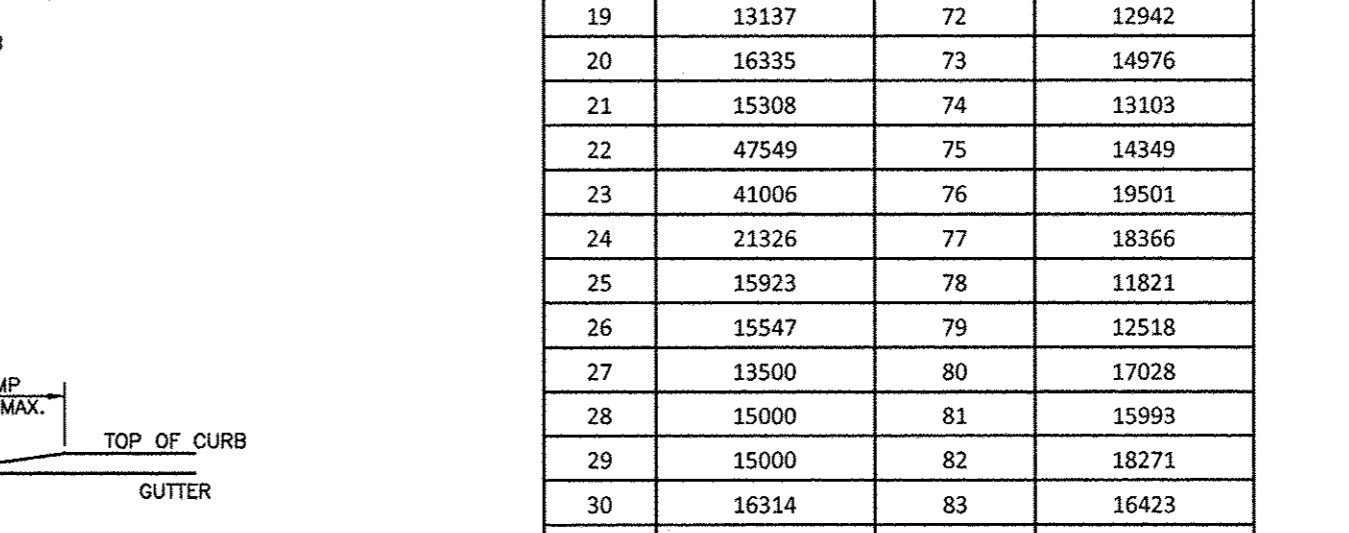


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Street Name	Intersection	Intersection	Length
1 Littlebury Park Dr.	Pantall Rd.	Giddens Ct.	552.49'
2 Giddens Ct.	Littlebury Park Dr.	Cul-de-Sac	524.06'
3 Littlebury Park Dr.	Giddens Ct.	Cherry Jack Ln.	605.44'
4 Littlebury Park Dr.	Cherry Jack Ln.	Sarah Bee Ln.	904.75'
5 Sarah Bee Ln.	Littlebury Park Dr.	Cul-de-Sac	430.07'
6 Sarah Bee Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	286.91'
7 Sarah Bee Ln.	Jeremiah Cherry Tr.	Baugh Rd.	301.33'
8 Sarah Bee Ln.	Baugh Rd.	Cherry Jack Ln.	853.95'
9 Cherry Jack Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	141.45'
10 Cherry Jack Ln.	Jeremiah Cherry Tr.	Sarah Bee Ln.	472.49'
11 Cherry Jack Ln.	Sarah Bee Ln.	Cherry Jack Ln.	230.97'
12 Cherry Jack Ln.	Cherry Jack Bend	Pantall Rd.	1100.95'
13 Baugh Rd.	Sarah Bee Ln.	End/Property Line	123.29'

Description	Area
Lots	35,41± Ac.
Row Dedication	9,80± Ac.
Length of Roads	7,441 L.F.
Min Lot Area	10,000 s.f.
Min Open Space Required	36.47 Ac. (40%)
Open Space Provided	45.93± Ac. (50%)
Wastewater Lots	0.17± Ac.
Total Land Area	91.17± Ac.

Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER & PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB & CUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25' PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25') EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	> SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE & BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	
EASEMENTS	
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	
EXISTING FENCELINE	X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	ST M
PROPOSED STORM	ST M
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

811
Know what's below. Call before you dig.

SCALE: 1" = 200'

0 200' 400'

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The site as shown on these construction drawings is intended to achieve specific engineering design criteria and objectives. It is the sole responsibility of the owner/developer to ensure that the construction of the site shown on these construction drawings is in total accordance with the design as noted, described, and shown on these drawings. The site is constructed in accordance with the construction plans.



Littlebury Subdivision
Thompson Station, Tennessee

Master Plan

REVISIONS: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments

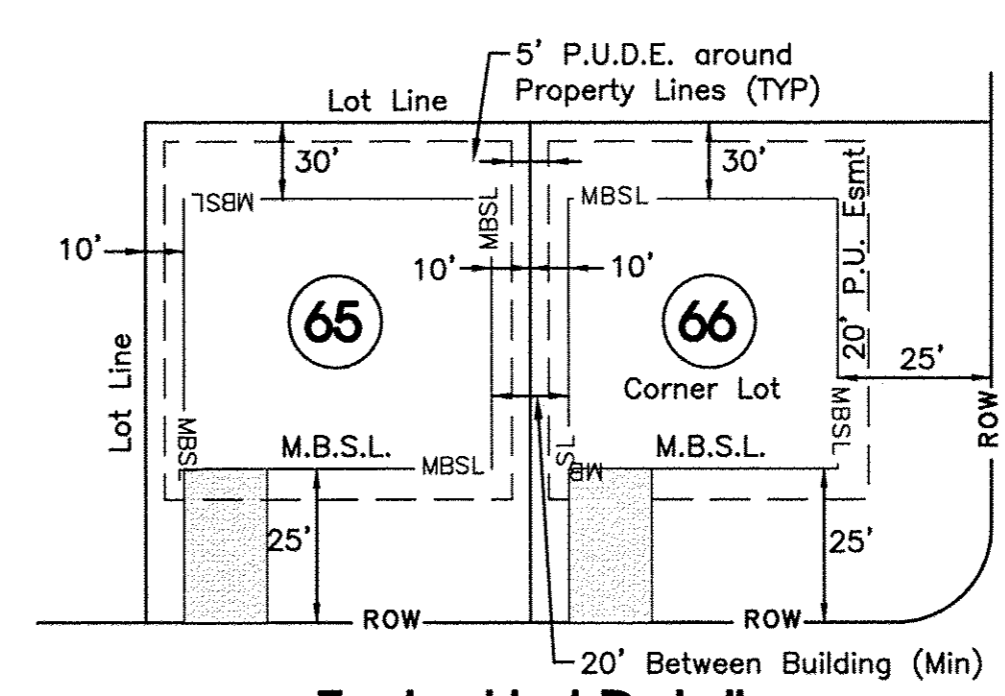
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SCALE: 1" = 200'
JOB NO. 17224
SHEET: C0.1



MATCHLINE SHEET C1.1

Lot #	Lot Area (s.f.)	Lot #	Lot Area (s.f.)
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2	19587	55	18978
3	18704	56	19258
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53	15876		

CURVE DELTA ANGLE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
71°18'30"	251.08'	274.38'	N 02°06'10" E	274.19'
2°46'50"	429.88'	200.41'	N 02°53'30" E	200.39'



Typical Lot Detail
N.T.S.

Note:
All Open Space is to be maintained by the Home Owners Association, Third Party.

Street Name	Intersection	Intersection	Length
1	Littlebury Park Dr.	Pantall Rd.	552.49'
2	Giddens Ct.	Littlebury Park Dr.	524.06'
3	Littlebury Park Dr.	Giddens Ct.	605.44'
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Description	Area
Lots	35,412 Ac.
Row Dedication	9,802 Ac.
Length of Roads	7,441 L.F.
Min Lot Area	10,000 s.f.
Min Open Space Required	36.47 Ac. (40%)
Open Space Provided	45.93 Ac. (50%)
Wastewater Lots	0.17% Ac.
Total Land Area	91.17 Ac.

GIDDENS COURT					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
2+71.60	500.00'	375.89'	43°04'27.54"	11°27'32.96"	367.10'

LITTLEBURY PARK DRIVE					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
2+08.10	1000.00'	90.81'	05°12'10.80"	05°43'46.48"	90.78'
6+62.65	1500.00'	478.24'	18°16'03.28"	03°49'10.99"	476.22'
13+47.72	1000.00'	360.36'	20°38'49.51"	05°43'46.48"	358.41'
17+60.58	800.00'	134.59'	09°38'22.38"	07°09'43.10"	134.43'

Legend:

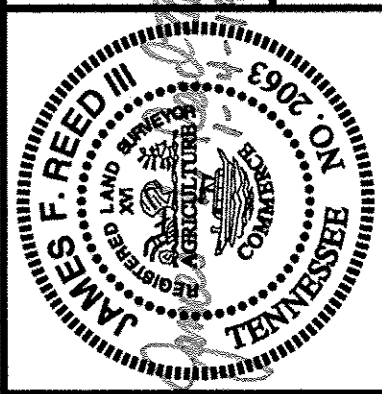
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
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○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊠	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊞	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊞	EXIST. GAS RISER	—	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊞	EXIST. WATER METER	↔	TURN LANE ARROWS
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⊞	GREASE TRAP	⊞	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊞	CONCRETE SWALE
○	MANHOLE	⊞	TYPE-X HEADWALL

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EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
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EROSION EEL	E E E
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EXISTING FENCELINE	X X
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EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	---601---
PROPOSED CONTOUR LINES	---601---
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PROPOSED SANITARY SEWER	SS SS
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PROPOSED WATER	W W

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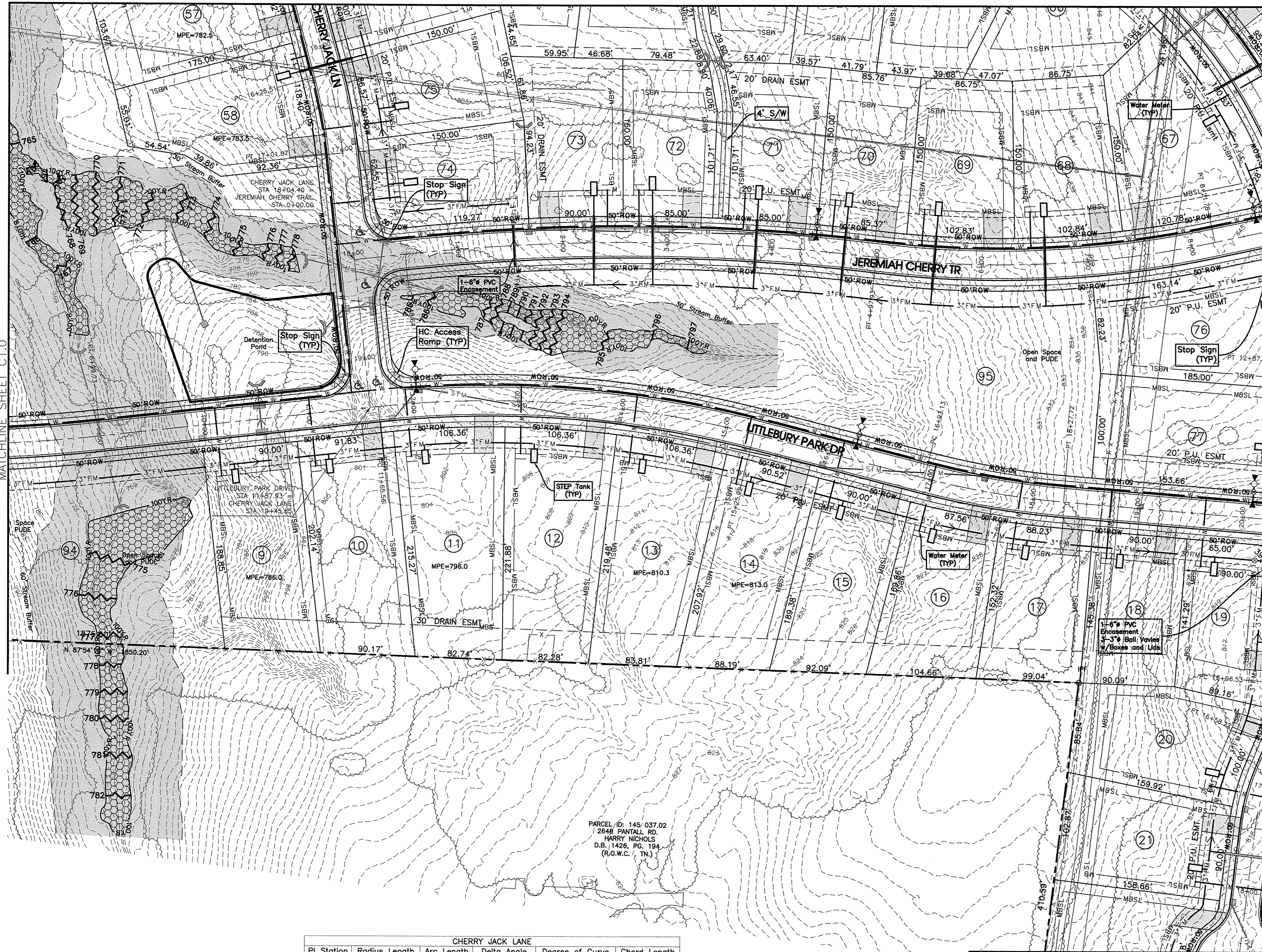
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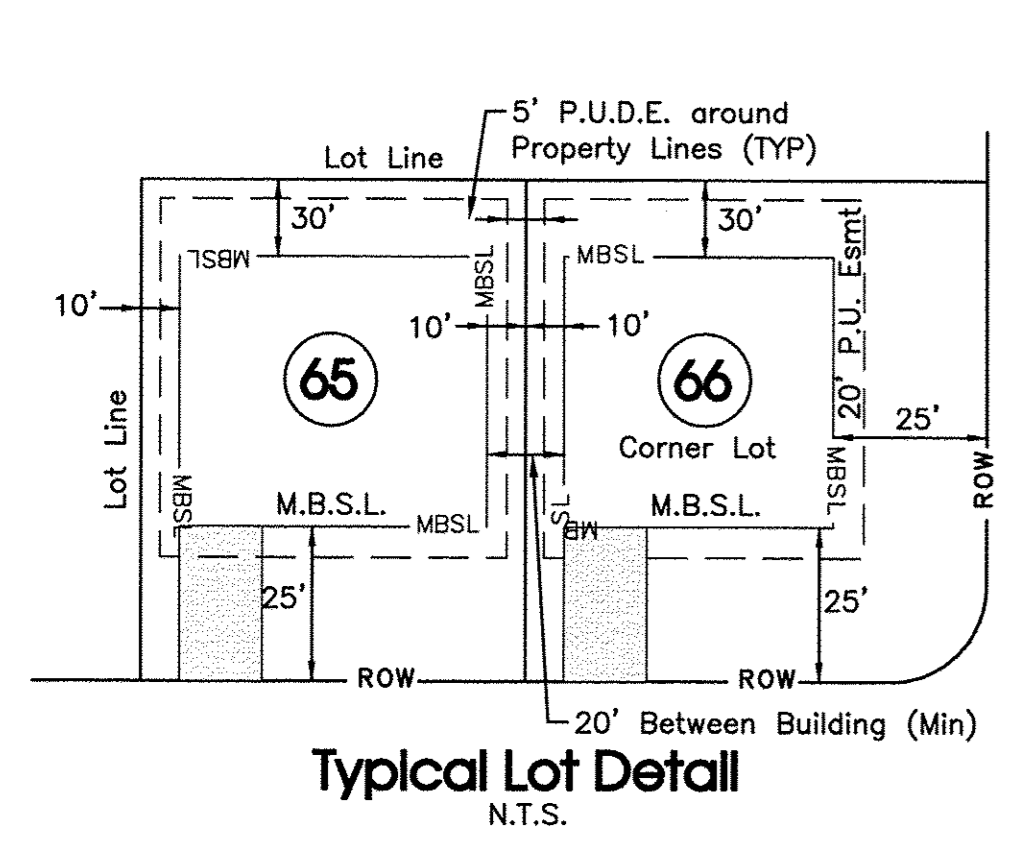
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*Open Space/Sidewalk Blockout

Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
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○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
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○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
○	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
○	EXIST. CATCH BASIN (STORM SEWER)	○	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	▬	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	▬	EXTRUDED CURB
⊕	EXIST. GAS RISER	▬	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	➔	TRAFFIC ARROW
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○	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
▽	REDUCER	➔	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	□	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	63.25 x	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25) x	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	□	CATCH BASIN
⊕	GATE VALVE & BOX	□	CURB INLET
⊕	WATER METER	○	AREA DRAIN
⊕	GAS METER	▬	HEADWALL
⊕	GREASE TRAP	▬	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	▬	CONCRETE SWALE
○	MANHOLE	⊕	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	---
EXISTING FENCELINE	X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	-601-
PROPOSED CONTOUR LINES	-601-
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W



CHERRY JACK LANE

PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
5+05.04	770.75'	511.86'	38°03'02.84"	07°26'01.57"	502.51'
9+31.74	570.26'	349.82'	35°08'50.94"	10°02'50.06"	344.36'
13+93.67	500.00'	214.83'	24°37'05.50"	11°27'32.96"	213.19'
16+63.76	500.00'	76.36'	08°45'00.90"	11°27'32.96"	76.29'

JEREMIAH CHERRY TRAIL

PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
2+74.26	1973.79'	449.29'	13°02'31.99"	02°54'10.19"	448.32'
6+61.32	986.49'	323.85'	18°48'33.59"	05°48'29.03"	322.40'

LITTLEBURY PARK DRIVE

PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
2+08.10	1000.00'	90.81'	05°12'10.80"	05°43'46.48"	90.78'
6+62.65	1500.00'	478.24'	18°16'03.28"	03°49'10.99"	476.22'
13+47.72	1000.00'	360.36'	20°38'49.51"	05°43'46.48"	358.41'
17+60.58	800.00'	134.59'	09°38'22.38"	07°09'43.10"	134.43'

BLOCK LENGTHS

Street Name	Intersection	Intersection	Length
1 Littlebury Park Dr.	Pantall Rd.	Giddens Ct.	552.49'
2 Giddens Ct.	Littlebury Park Dr.	Cul-de-Sac	524.06'
3 Littlebury Park Dr.	Giddens Ct.	Cherry Jack Ln.	605.44'
4 Littlebury Park Dr.	Cherry Jack Ln.	Sarah Bee Ln.	904.75'
5 Sarah Bee Ln.	Littlebury Park Dr.	Cul-de-Sac	430.07'
6 Sarah Bee Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	286.91'
7 Sarah Bee Ln.	Jeremiah Cherry Tr.	Baugh Rd.	301.33'
8 Sarah Bee Ln.	Baugh Rd.	Cherry Jack Ln.	853.95'
9 Cherry Jack Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	141.45'
10 Cherry Jack Ln.	Jeremiah Cherry Tr.	Sarah Bee Ln.	472.49'
11 Cherry Jack Ln.	Sarah Bee Ln.	Cherry Jack Ln.	230.97'
12 Cherry Jack Ln.	Cherry Jack Bend	Pantall Rd.	1100.95'
13 Baugh Rd.	Sarah Bee Ln.	End/Property Line	123.29'

Note:
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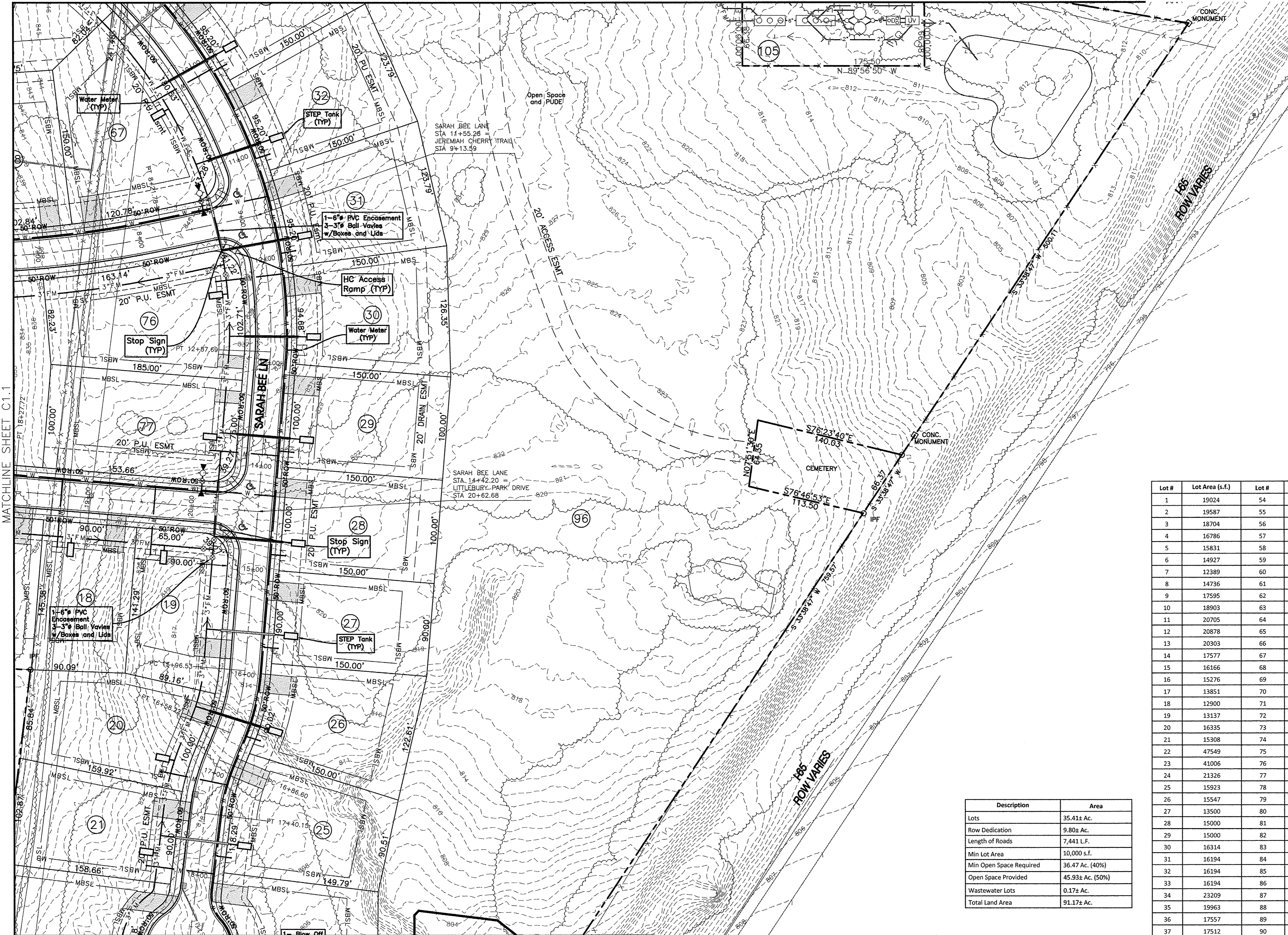
SITE ENGINEERING CONSULTANTS
ENGINEERING • SURVEYING • LAND PLANNING
SEC, Inc.
LANDSCAPE ARCHITECTURE
850 MIDDLE TENNESSEE BOULEVARD
MURFREESBORO, TENNESSEE 37129
PHONE: (615) 890-7901 E-MAIL: REED@SEC-CIVIL.COM FAX: (615) 895-2567
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Littlebury Subdivision
Thompson Station, Tennessee

REVISIONS: E-30-18 Comments
E-27-18 Update Layout
E-12-11-18 Comments

DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224\LittleburyPrelim
SCALE: 1"=50'
JOB NO.: 17224
SHEET:

C1.1

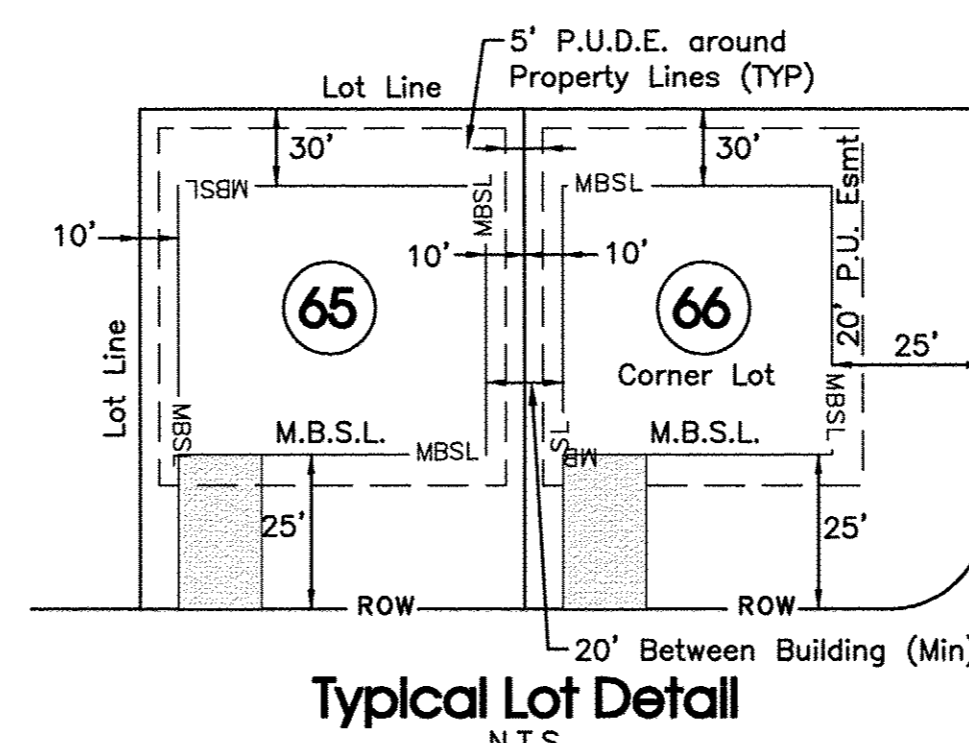


PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
10+21.15	471.16'	690.93'	84°01'16.64"	12°09'38.02"	630.67'
16+27.63	200.00'	61.69'	17°40'22.13"	28°38'52.40"	61.45'
17+13.54	200.00'	53.55'	15°20'24.57"	28°38'52.40"	53.39'

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Description	Area
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Row Dedication	9.80± Ac.
Length of Roads	7,441 L.F.
Min Lot Area	10,000 s.f.
Min Open Space Required	36.47 Ac. (40%)
Open Space Provided	45.93± Ac. (50%)
Wastewater Lots	0.17± Ac.
Total Land Area	91.17± Ac.



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19	13137	72	12942
20	16335	73	14976
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23	41006	76	19501
24	21326	77	18366
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49	13219	102 (OS)	5232
50	13750	*103 (OS)	8471
51	13658	104 (OS)	6783
52	12361	105 (WW)	7198
53	15876		

*Open Space/Sidewalk Blockout

Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	⊕	PROPOSED SIGN POST
○	EXIST. MANHOLE (SEWER & PHONE)	●	CONCRETE BOLLARD
⊕	EXIST. CATCH BASIN (STORM SEWER)	⊕	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	⊕	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	⊕	EXTRUDED CURB
⊕	EXIST. GAS RISER	⊕	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	⊕	TRAFFIC ARROW
⊕	EXIST. WATER METER	⊕	TURN LANE ARROWS
○	EXIST. UTILITY POLE	⊕	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR BLOCK	⊕	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
⊕	REDUCER	⊕	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	⊕	INLET FILTER PROTECTION
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⊕	MANHOLE	⊕	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	~ ~ ~
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MINIMUM BUILDING SETBACK LINE	MBSL
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EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	---601---
PROPOSED CONTOUR LINES	---601---
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

Note:
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811
Know what's below. Call before you dig.

SCALE: 1" = 50'

SEC, Inc.
SITE ENGINEERING CONSULTANTS
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LANDSCAPE ARCHITECTURE
850 MIDDLE TENNESSEE BOULEVARD
MURFREESBORO, TENNESSEE 37129
PHONE: (615) 890-7901 E-MAIL: JREED@SEC-CIVIL.COM FAX: (615) 895-2567

JAMES F. REED II
REGISTERED PROFESSIONAL ENGINEER
LAND SURVEYING
STATE OF TENNESSEE

Littlebury Subdivision
Thompson Station, Tennessee

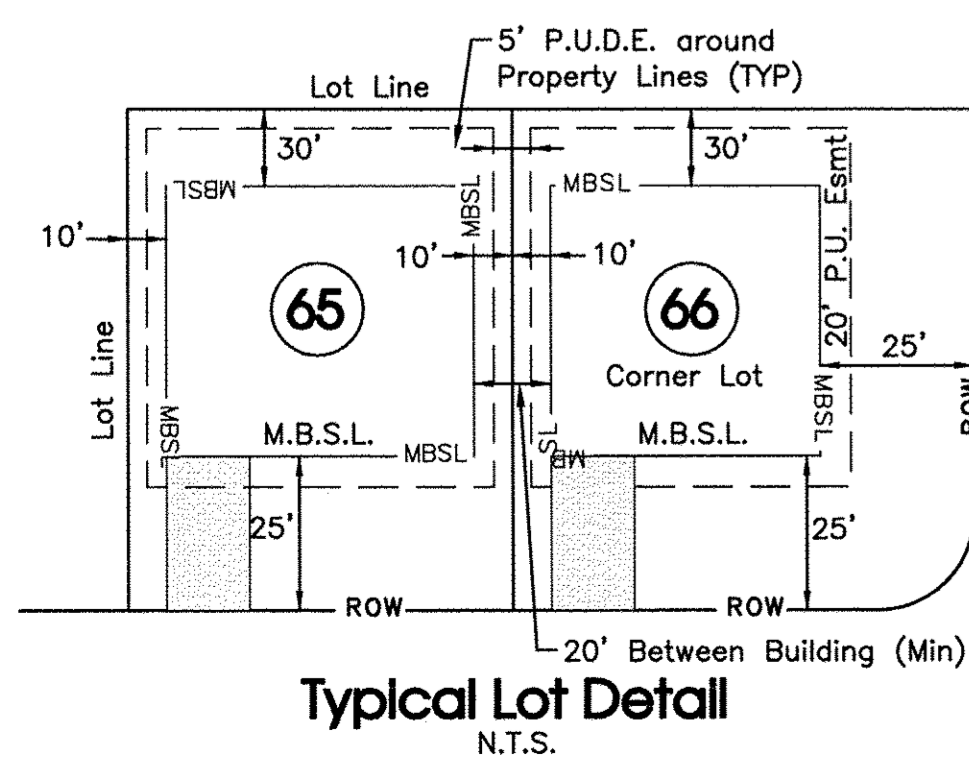
REVISION: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments
DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleburyPrelim
SCALE: 1" = 50'
JOB NO. 17224
SHEET: C1.2

Preliminary Plat

PARCEL ID: 145 037.02
2648 PANTALL RD.
HARRY NICHOLS
D.B. 1428, PG. 194
(R.O.W.C., TN.)

PARCEL ID: 145 037.11
2830 REGAL CT.
JEREMY NICHOLS
P.B. 24, PG. 121
(R.O.W.C., TN.)

PARCEL ID: 145 037.13
2835 REGAL CT.
WILLIAM H JONES
P.B. 24, PG. 121 (LOT 5)
(R.O.W.C., TN.)



Plot Style: S.E.C. Standard Monocolor Plot Date: 12/20/2018 2:45 PM; User: CADTECH4



Description	Area
Lots	35.41± Ac.
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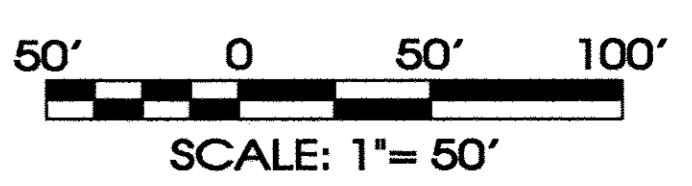
*Open Space/Sidewalk Blockout

Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
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ELECTRICAL ENCLOSURE	TRAFFIC ARROW
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EXISTING ELECTRIC	OH
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EASEMENTS	
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EROSION EEL	E E E
EXISTING TREELINE	
EXISTING FENCELINE	X X
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Littlebury Subdivision
Thompson Station, Tennessee

REVISIONS:
9-27-18 Update Layout
12-11-18 Comments

DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleburyPrelim
SCALE: 1" = 50'
JOB NO. 17224
SHEET: C1.3

Preliminary Plat



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MATCHLINE SHEET C1.5

Plot Style: S.E.C. Standard Monocote Plot Date: 12/20/2018 2:45 PM User: CADTECH4

MATCHLINE SHEET C1.0

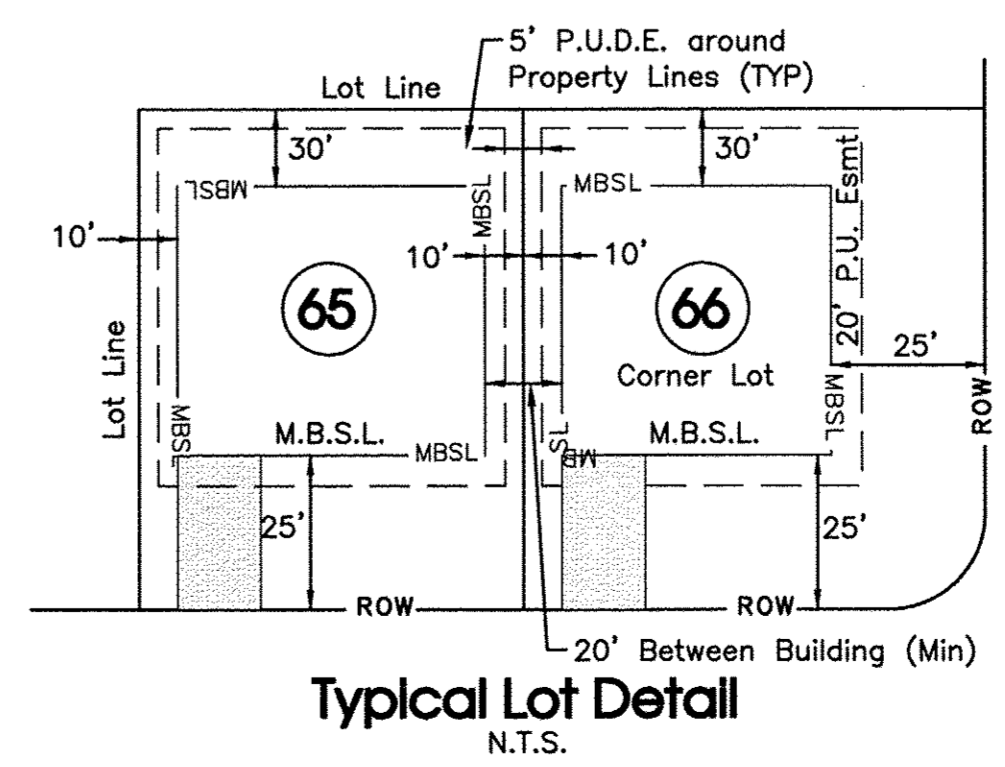
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5	Sarah Bee Ln.	Littlebury Park Dr.	430.07'
6	Sarah Bee Ln.	Littlebury Park Dr.	286.91'
7	Sarah Bee Ln.	Jeremiah Cherry Tr.	301.33'
8	Sarah Bee Ln.	Baugh Rd.	853.95'
9	Cherry Jack Ln.	Littlebury Park Dr.	141.45'
10	Cherry Jack Ln.	Jeremiah Cherry Tr.	472.49'
11	Cherry Jack Ln.	Sarah Bee Ln.	230.97'
12	Cherry Jack Ln.	Cherry Jack Bend	1100.95'
13	Baugh Rd.	Sarah Bee Ln.	123.29'

PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
5+05.04	770.75'	511.86'	38°03'02.84"	07°26'01.57"	502.51'
9+31.74	570.26'	349.82'	35°08'50.94"	10°02'50.06"	344.36'
13+93.67	500.00'	214.83'	24°37'05.50"	11°27'32.96"	213.19'
16+63.76	500.00'	76.36'	08°45'00.90"	11°27'32.96"	76.29'



Legend:

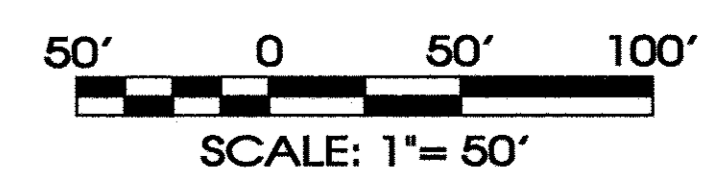
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊞	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊚	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊞	EXIST. GAS RISER	—	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊞	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	⚠	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊞	BLOW OFF VALVE	⊞	RIP RAP
⊞	REDUCER	↘	RUNOFF FLOW ARROW
⊞	REMOTE FIRE DEPT. CONNECTION	⊞	INLET FILTER PROTECTION
⊞	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊞	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊞	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊞	FIRE HYDRANT	⊞	CATCH BASIN
⊞	GATE VALVE & BOX	⊞	CURB INLET
⊞	WATER METER	⊞	AREA DRAIN
⊞	GAS METER	—	HEADWALL
⊞	GREASE TRAP	—	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊞	CONCRETE SWALE
○	MANHOLE	⊞	TYPE- X- HEADWALL

EXISTING PHONE	— PH —
EXISTING ELECTRIC	— OH —
PROPERTY LINE	— — — —
EASEMENTS	— (-) —
RIGHT OF WAY	— 50' ROW —
EROSION CONTROL SILT FENCE	— SF — SF —
EROSION EEL	— E — E — E —
EXISTING TREELINE	— — — —
EXISTING FENCELINE	— X — X —
MINIMUM BUILDING SETBACK LINE	— MBSL —
PHASE BOUNDARY	— — — —
EXISTING GAS LINE	— GAS —
PROPOSED GAS LINE	— GAS —
EXISTING STORM	— STM —
PROPOSED STORM	— STM —
EXISTING CONTOUR LINES	— 601 —
PROPOSED CONTOUR LINES	— 601 —
EXISTING SANITARY SEWER	— SS — SS —
PROPOSED SANITARY SEWER	— SS — SS —
EXISTING WATER	— W — W —
PROPOSED WATER	— W — W —

Note:
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Littlebury Subdivision

Thompson Station, Tennessee

REVISIONS: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments

DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleburyPrelim
SCALE: 1"=50'
JOB NO. 17224
SHEET: C1.4

Preliminary Plat



Lot #	Lot Area (s.f.)	Lot #	Lot Area (s.f.)
1	19024	54	17272
2	19587	55	18978
3	18704	56	19258
4	16786	57	17816
5	15831	58	16690
6	14927	59	14250
7	12389	60	18818
8	14736	61	23726
9	17595	62	21215
10	18903	63	16578
11	20705	64	16960
12	20878	65	19899
13	20303	66	16383
14	17577	67	21141
15	16166	68	14289
16	15276	69	14289
17	13851	70	13458
18	12900	71	13532
19	13137	72	12942
20	16335	73	14976
21	15308	74	13103
22	47549	75	14349
23	41006	76	19501
24	21326	77	18366
25	15923	78	11821
26	15547	79	12518
27	13500	80	17028
28	15000	81	15993
29	15000	82	18271
30	16314	83	16423
31	16194	84	15954
32	16194	85	18777
33	16194	86	19029
34	23209	87	12684
35	19963	88	11700
36	17557	89	11647
37	17512	90	11508
38	17499	91	13646
39	17500	92 (OS)	9262
40	15982	93 (OS)	564799
41	15212	94 (OS)	37513
42	12657	95 (OS)	86979
43	13441	96 (OS)	678850
44	14256	97 (OS)	12697
45	15248	98 (OS)	43389
46	16527	99 (OS)	389440
47	16178	100 (OS)	101571
48	16309	101 (OS)	64873
49	13219	102 (OS)	5232
50	13750	*103 (OS)	8471
51	13658	104 (OS)	6783
52	12361	105 (WW)	7198
53	15876		

Description	Area
Lots	35.41± Ac.
Row Dedication	9.80± Ac.
Length of Roads	7,441 L.F.
Min Lot Area	10,000 s.f.
Min Open Space Required	36.47 Ac. (40%)
Open Space Provided	45.93± Ac. (50%)
Wastewater Lots	0.17± Ac.
Total Land Area	91.17± Ac.

*Open Space/Sidewalk Blockout

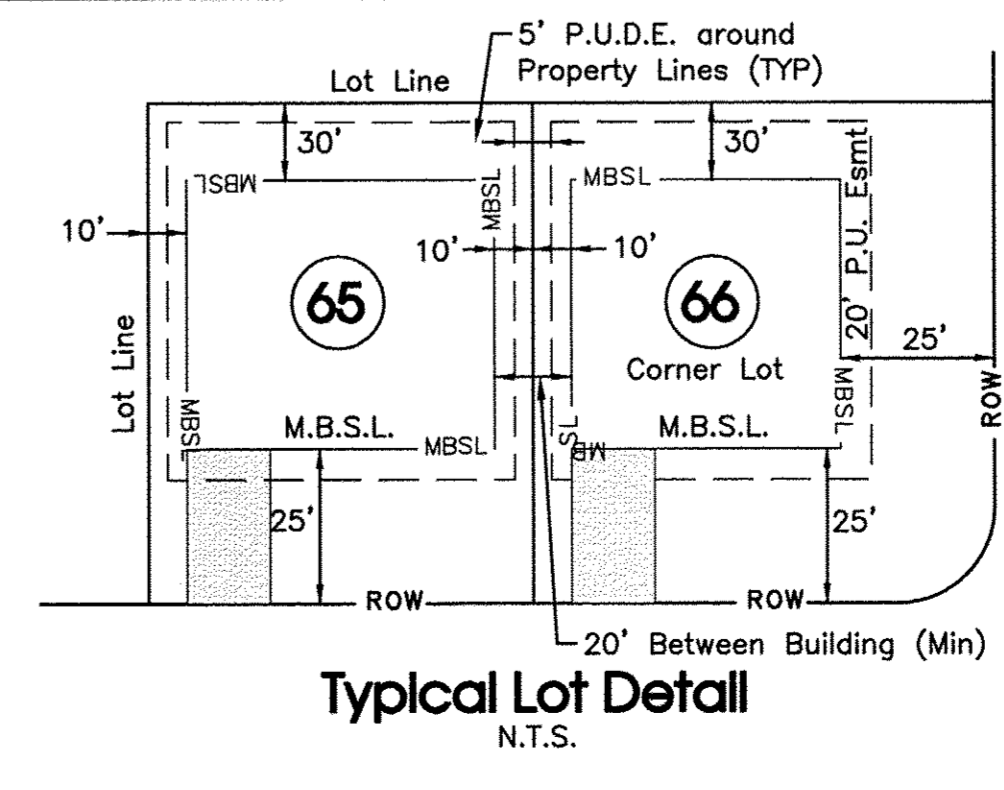
Legend:	Symbol	Legend:	Symbol
EXIST. CONCRETE MONUMENT	□	BENCHMARK	⊕
IRON PIN SET (I.P.S.)	●	HANDICAP RAMP SYMBOL	♿
IRON PIN FOUND (I.P.F.)	○	VAN ACCESSIBLE HANDICAP DESIGNATION	V.A.
EXIST. SIGN POST	+	HC SIGN	⊕
EXIST. SEWER CLEANOUT	○	PROPOSED SIGN POST	+
EXIST. MANHOLE (SEWER & PHONE)	⊕	CONCRETE BOLLARD	●
EXIST. CATCH BASIN (STORM SEWER)	⊕	WHEEL STOP	⊕
EXIST. WATER/GAS VALVE	⊕	CONCRETE SIDEWALK	▬
EXIST. TELEPHONE RISER	⊕	EXTRUDED CURB	▬
EXIST. GAS RISER	⊕	CURB & GUTTER	▬
ELECTRICAL ENCLOSURE	⊕	TRAFFIC ARROW	➔
EXIST. WATER METER	⊕	TURN LANE ARROWS	➔
EXIST. UTILITY POLE	⊕	REVISION NUMBER	#1
EXIST. FIRE HYDRANT	⊕	DRAINAGE STRUCTURE DESIGNATION	#1
POST INDICATOR VALVE	⊕	DRAINAGE PIPE DESIGNATION	⊕
BLOW OFF VALVE	⊕	RIP RAP	⊕
REDUCER	➔	RUNOFF FLOW ARROW	➔
REMOTE FIRE DEPT. CONNECTION	⊕	INLET FILTER PROTECTION	⊕
CONCRETE THRUST BLOCK	⊕	PROPOSED SPOT ELEVATION	63.25
DOUBLE DETECTOR CHECK VALVE	⊕	EXIST. SPOT ELEVATION	63.25
FIRE DEPT. CONNECTION	⊕	SEWER/STORM FLOW DIRECTION	➔
FIRE HYDRANT	⊕	CATCH BASIN	⊕
GATE VALVE & BOX	⊕	CURB INLET	⊕
WATER METER	⊕	AREA DRAIN	⊕
GAS METER	⊕	HEADWALL	⊕
GREASE TRAP	⊕	WINGED HEADWALL	⊕
EXTERIOR CLEANOUT ECO	⊕	CONCRETE SWALE	▬
MANHOLE	⊕	TYPE-X HEADWALL	⊕
EXISTING PHONE	PH		
EXISTING ELECTRIC	OH		
PROPERTY LINE	---		
EASEMENTS	---		
RIGHT OF WAY	50' ROW		
EROSION CONTROL SILT FENCE	SF SF		
EROSION EEL	E E E		
EXISTING TREELINE	---		
EXISTING FENCELINE	X X		
MINIMUM BUILDING SETBACK LINE	MBSL		
PHASE BOUNDARY	---		
EXISTING GAS LINE	GAS		
PROPOSED GAS LINE	GAS		
EXISTING STORM	STM		
PROPOSED STORM	STM		
EXISTING CONTOUR LINES	601		
PROPOSED CONTOUR LINES	601		
EXISTING SANITARY SEWER	SS SS		
PROPOSED SANITARY SEWER	SS SS		
EXISTING WATER	W W		
PROPOSED WATER	W W		

CHERRY JACK LANE					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
5+05.04	770.75'	511.86'	38°03'02.84"	07°26'01.57"	502.51'
9+31.74	570.26'	349.82'	35°08'50.94"	10°02'50.06"	344.36'
13+93.67	500.00'	214.83'	24°37'05.50"	11°27'32.96"	213.19'
16+63.76	500.00'	76.36'	08°45'00.90"	11°27'32.96"	76.29'

SARAH BEE LANE					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
10+21.15	471.16'	690.93'	84°01'16.64"	12°09'38.02"	630.67'
16+27.63	200.00'	61.69'	17°40'22.13"	28°38'52.40"	61.45'
17+13.54	200.00'	53.55'	15°20'24.57"	28°38'52.40"	53.39'

BLOCK LENGTHS			
Street Name	Intersection	Intersection	Length
1 Littlebury Park Dr.	Pantall Rd.	Giddens Ct.	552.49'
2 Giddens Ct.	Littlebury Park Dr.	Cul-de-Sac	524.06'
3 Littlebury Park Dr.	Giddens Ct.	Cherry Jack Ln.	605.44'
4 Littlebury Park Dr.	Cherry Jack Ln.	Sarah Bee Ln.	904.75'
5 Sarah Bee Ln.	Littlebury Park Dr.	Cul-de-Sac	430.07'
6 Sarah Bee Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	286.91'
7 Sarah Bee Ln.	Jeremiah Cherry Tr.	Baugh Rd.	301.33'
8 Sarah Bee Ln.	Baugh Rd.	Cherry Jack Ln.	853.95'
9 Cherry Jack Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	141.45'
10 Cherry Jack Ln.	Jeremiah Cherry Tr.	Sarah Bee Ln.	472.49'
11 Cherry Jack Ln.	Sarah Bee Ln.	Cherry Jack Ln.	230.97'
12 Cherry Jack Ln.	Cherry Jack Bend	Pantall Rd.	1100.95'
13 Baugh Rd.	Sarah Bee Ln.	End/Property Line	123.29'

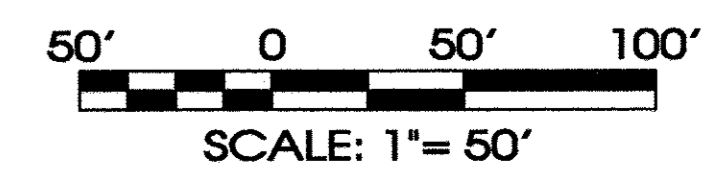
The proposed electric and water information shown hereon is not an actual design to be used for construction, and is for reference and illustrative purposes only. The contractor shall refer to the actual final design for each proper discipline (electrical, civil, mechanical, etc.) with the Tennessee professional engineer's seal, for precise design information.



Note: All Open Space is to be maintained by the Home Owners Association, Third Party.



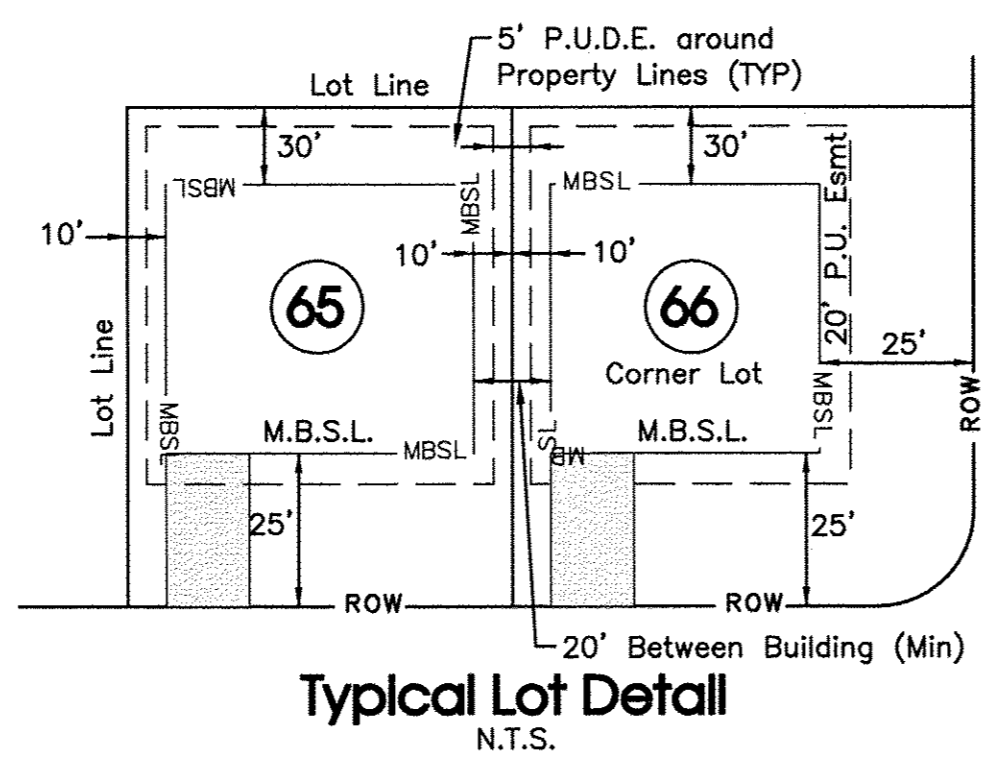
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 LANDSCAPE ARCHITECTURE
 850 MIDDLE TENNESSEE BOULEVARD
 MEMPHIS, TENNESSEE 37129
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Littlebury Subdivision
 Thompson Station, Tennessee

REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleburyPrelim
 SCALE: 1"=50'
 JOB NO. 17224
 SHEET: C1.5



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SARAH BEE LANE					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
10+21.15	471.16'	690.93'	84°01'16.64"	12°09'38.02"	630.67'
16+27.63	200.00'	61.69'	17°40'22.13"	28°38'52.40"	61.45'
17+13.54	200.00'	53.55'	15°20'24.57"	28°38'52.40"	53.39'

BAUGH ROAD					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
1+03.51	200.00'	112.50'	32°13'44.67"	28°38'52.40"	111.02'

BLOCK LENGTHS				
Street Name	Intersection	Intersection	Length	
1	Littlebury Park Dr.	Pantall Rd.	Giddens Ct.	552.49'
2	Giddens Ct.	Littlebury Park Dr.	Cul-de-Sac	524.06'
3	Littlebury Park Dr.	Giddens Ct.	Cherry Jack Ln.	605.44'
4	Littlebury Park Dr.	Cherry Jack Ln.	Sarah Bee Ln.	904.75'
5	Sarah Bee Ln.	Littlebury Park Dr.	Cul-de-Sac	430.07'
6	Sarah Bee Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	286.91'
7	Sarah Bee Ln.	Jeremiah Cherry Tr.	Baugh Rd.	301.33'
8	Sarah Bee Ln.	Baugh Rd.	Cherry Jack Ln.	853.95'
9	Cherry Jack Ln.	Littlebury Park Dr.	Jeremiah Cherry Tr.	141.45'
10	Cherry Jack Ln.	Jeremiah Cherry Tr.	Sarah Bee Ln.	472.49'
11	Cherry Jack Ln.	Sarah Bee Ln.	Cherry Jack Ln.	230.97'
12	Cherry Jack Ln.	Cherry Jack Bend	Pantall Rd.	1100.95'
13	Baugh Rd.	Sarah Bee Ln.	End/Property Line	123.29'

Description	Area
Lots	35.41± Ac.
Row Dedication	9.80± Ac.
Length of Roads	7.441 L.F.
Min Lot Area	10,000 s.f.
Min Open Space Required	36.47 Ac. (40%)
Open Space Provided	45.93± Ac. (50%)
Wastewater Lots	0.17± Ac.
Total Land Area	91.17± Ac.

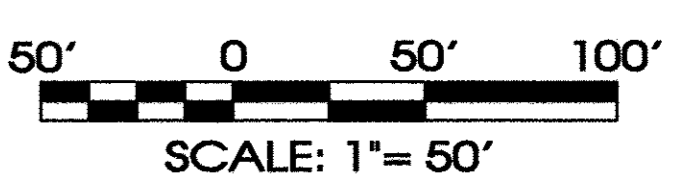
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2	19587	55	18978
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9	17595	62	21215
10	18903	63	16578
11	20705	64	16960
12	20878	65	19899
13	20303	66	16383
14	17577	67	21141
15	16166	68	14289
16	15276	69	14289
17	13851	70	13458
18	12900	71	13532
19	13137	72	12942
20	16335	73	14976
21	15308	74	13103
22	47549	75	14349
23	41006	76	19501
24	21326	77	18366
25	15923	78	11821
26	15547	79	12518
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30	16314	83	16423
31	16194	84	15954
32	16194	85	18777
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34	23209	87	12684
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45	15248	98 (OS)	43389
46	16527	99 (OS)	389440
47	16178	100 (OS)	101571
48	16309	101 (OS)	64873
49	13219	102 (OS)	5232
50	13750	*103 (OS)	8471
51	13658	104 (OS)	6783
52	12361	105 (WW)	7198
53	15876		

Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
→	EXIST. SIGN POST	↔	HC SIGN
○	EXIST. SEWER CLEANOUT	↔	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊞	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊗	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊞	EXIST. GAS RISER	—	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊞	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	⚠	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊞	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊞	BLOW OFF VALVE	⊗	RIP RAP
⊞	REDUCER	↔	RUNOFF FLOW ARROW
⊞	REMOTE FIRE DEPT. CONNECTION	⊞	INLET FILTER PROTECTION
⊞	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊞	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊞	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊞	FIRE HYDRANT	⊞	CATCH BASIN
⊞	GATE VALVE & BOX	⊞	CURB INLET
⊞	WATER METER	⊞	AREA DRAIN
⊞	GAS METER	—	HEADWALL
⊞	GREASE TRAP	⊞	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊞	CONCRETE SWALE
○	MANHOLE	⊞	TYPE-X HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	~ ~ ~
EXISTING FENCELINE	-X-X-
MINIMUM BUILDING SETBACK LINE	-MBSL-
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	-601-
PROPOSED CONTOUR LINES	-601-
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

Note:
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PARCEL ID: 145 035.00
2619 BAUGH LN.
FRANK JACKSON
D.B. 2300, PG. 759
(R.O.W.C., TN.)

PARCEL ID: 145 032.011
2626 BAUGH LN.
MARY JACQUELYN IRREVOCABLE TRUST
P.B. 23, PG. 69
(R.O.W.C., TN.)

MATCHLINE SHEET C1.5

MATCHLINE SHEET C1.2

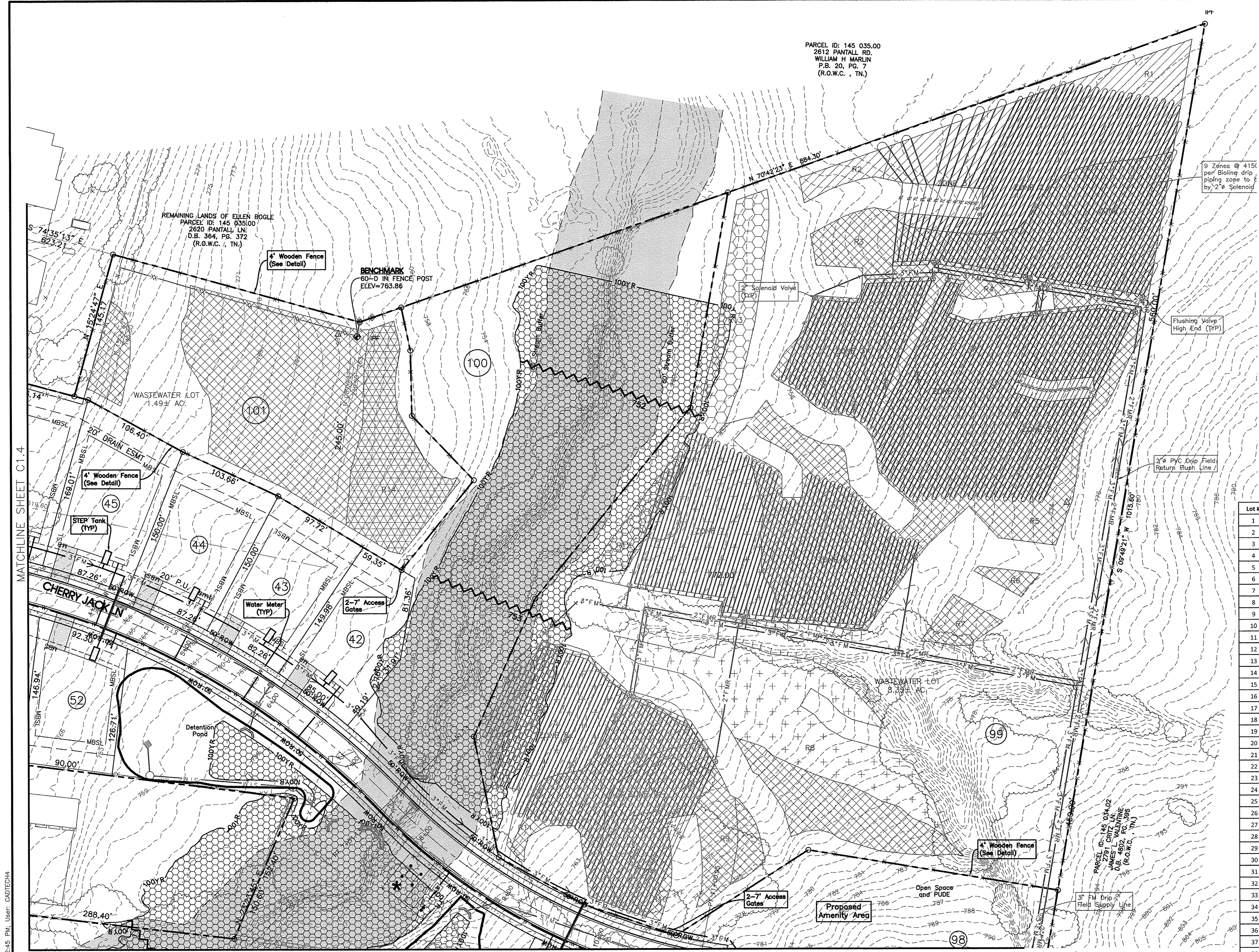
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Littlebury Subdivision
Thompson Station, Tennessee

Preliminary Plat

REVISED: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments
DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleburyPrelim
SCALE: 1"=50'
JOB NO. 17224
SHEET: C1.6



PARCEL ID: 145 035.00
 2612 PANTALL RD.
 WILLIAM H MARLIN
 P.B. 20, PG. 7
 (R.O.W.C., TN.)

Description	Area
Lots	35.41± Ac.
Row Dedication	9.80± Ac.
Length of Roads	7,441 L.F.
Min Lot Area	10,000 s.f.
Min Open Space Required	36.47 Ac. (40%)
Open Space Provided	45.93± Ac. (50%)
Wastewater Lots	0.17± Ac.
Total Land Area	91.17± Ac.

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7	12389	60	18818
8	14736	61	23726
9	17595	62	21215
10	18903	63	16578
11	20705	64	16960
12	20878	65	19899
13	20303	66	16383
14	17577	67	21141
15	16166	68	14289
16	15276	69	14289
17	13851	70	13458
18	12900	71	13532
19	13137	72	12942
20	16335	73	14976
21	15308	74	13103
22	47549	75	14349
23	41006	76	19501
24	21326	77	18366
25	15923	78	11821
26	15547	79	12518
27	13500	80	17028
28	15000	81	15993
29	15000	82	18271
30	16314	83	16423
31	16194	84	15954
32	16194	85	18777
33	16194	86	19029
34	23209	87	12684
35	19963	88	11700
36	17557	89	11647
37	17512	90	11508
38	17499	91	13646
39	17500	92 (OS)	9262
40	15982	93 (OS)	564799
41	15212	94 (OS)	37513
42	12657	95 (OS)	86979
43	13441	96 (OS)	678850
44	14256	97 (OS)	12697
45	15248	98 (OS)	43389
46	16527	99 (OS)	389440
47	16178	100 (OS)	101571
48	16309	101 (OS)	64873
49	13219	102 (OS)	5232
50	13750	*103 (OS)	8471
51	13658	104 (OS)	6783
52	12361	105 (WW)	7198
53	15876		

Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	→	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	●	CONCRETE BOLLARD
⊞	EXIST. CATCH BASIN (STORM SEWER)	⊞	WHEEL STOP
⊞	EXIST. WATER/GAS VALVE	▬	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	▬	EXTRUDED CURB
⊞	EXIST. GAS RISER	▬	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊞	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	1	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊞	BLOW OFF VALVE	⊞	RIP RAP
▬	REDUCER	→	RUNOFF FLOW ARROW
⊞	REMOTE FIRE DEPT. CONNECTION	⊞	INLET FILTER PROTECTION
⊞	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊞	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊞	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊞	FIRE HYDRANT	⊞	CATCH BASIN
⊞	GATE VALVE & BOX	⊞	CURB INLET
⊞	WATER METER	⊞	AREA DRAIN
⊞	GAS METER	▬	HEADWALL
⊞	GREASE TRAP	⊞	WINGED HEADWALL
○	EXTERIOR CLEANOUT EGO	⊞	CONCRETE SWALE
○	MANHOLE	⊞	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	~ X ~
EXISTING FENCELINE	---
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	---
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

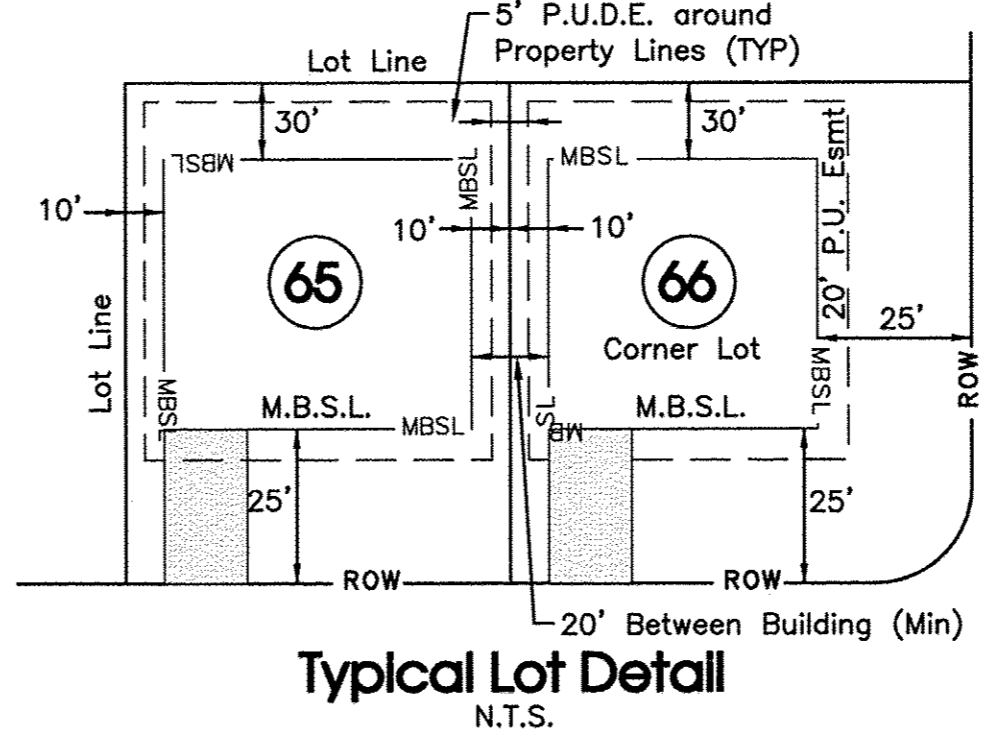
The proposed electric and water information shown hereon is not an actual design to be used for construction, and is for reference and illustrative purposes only. The contractor shall refer to the actual final design for each proper discipline (electrical, civil, mechanical, etc.) with the Tennessee professional engineer's seal, for precise design information.

Note:
 All Open Space is to be maintained by the Home Owners Association, Third Party.

MATCHLINE SHEET C1.5

BLOCK LENGTHS

Street Name	Intersection	Intersection	Length
1	Littlebury Park Dr.	Pantall Rd.	552.49'
2	Giddens Ct.	Littlebury Park Dr.	524.06'
3	Littlebury Park Dr.	Giddens Ct.	605.44'
4	Littlebury Park Dr.	Cherry Jack Ln.	904.75'
5	Sarah Bee Ln.	Littlebury Park Dr.	430.07'
6	Sarah Bee Ln.	Littlebury Park Dr.	286.91'
7	Sarah Bee Ln.	Jeremiah Cherry Tr.	301.33'
8	Sarah Bee Ln.	Baugh Rd.	853.95'
9	Cherry Jack Ln.	Littlebury Park Dr.	141.45'
10	Cherry Jack Ln.	Jeremiah Cherry Tr.	472.49'
11	Cherry Jack Ln.	Sarah Bee Ln.	230.97'
12	Cherry Jack Ln.	Cherry Jack Bend	1100.95'
13	Baugh Rd.	Sarah Bee Ln.	123.29'

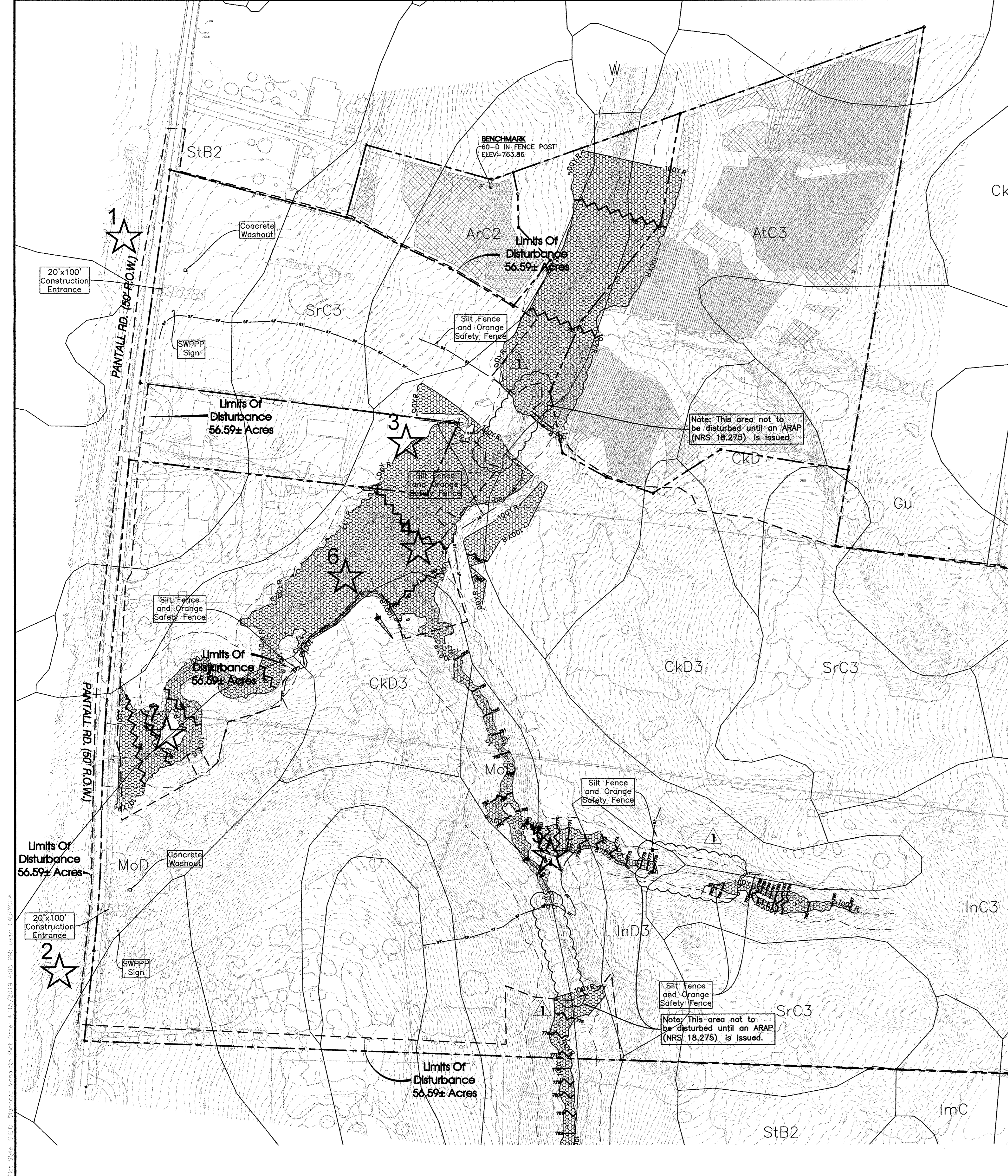


SEC, Inc.
 SITE ENGINEERING CONSULTANTS
 ENGINEERING • SURVEYING • LAND PLANNING
 LANDSCAPE ARCHITECTURE
 850 MIDDLE TENNESSEE BOULEVARD
 MURFREESBORO, TENNESSEE 37129
 PHONE: (615) 890-7901 E-MAIL: JREED@SEC-CIVIL.COM FAX: (615) 895-2567
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Littlebury Subdivision
 Thompson Station, Tennessee

REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleburyPrelim
 SCALE: 1"=50'
 JOB NO. 17224
 SHEET: C1.7

811
 Know what's below.
 Call before you dig.
 SCALE: 1" = 50'



MATCHLINE SHEET C2.1

EXISTING ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
PASTURE	PASTURE IN FAIR CONDITION A SOILS, CN=49	18.16
PASTURE	PASTURE IN FAIR CONDITION B SOILS, CN=69	2.13
PASTURE	PASTURE IN FAIR CONDITION C SOILS, CN=79	2.86
PASTURE	PASTURE IN FAIR CONDITION D SOILS, CN=84	4.30
WOODS	WOODS IN FAIR CONDITION A SOILS, CN=36	13.83
WOODS	WOODS IN FAIR CONDITION B SOILS, CN=60	1.14
WOODS	WOODS IN FAIR CONDITION C SOILS, CN=73	6.89
WOODS	WOODS IN FAIR CONDITION D SOILS, CN=79	6.27
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
COMPOSITE CN=58		

PROPOSED ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
PAVED ROADS	ROADS, CN=98	8.99
OPEN SPACE	OPEN SPACE A SOILS, CN=39	4.61
OPEN SPACE	OPEN SPACE B SOILS, CN=61	1.07
OPEN SPACE	OPEN SPACE C SOILS, CN=74	3.06
OPEN SPACE	OPEN SPACE D SOILS, CN=80	5.49
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS A SOILS, CN=57	22.14
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS B SOILS, CN=72	1.90
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS C SOILS, CN=81	4.56
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS D SOILS, CN=86	3.60
COMPOSITE CN=70		

OUTFALLS

NUMBER	DESCRIPTION	DRAINAGE AREA			RECEIVING FEATURE
		DISTURBED	PASS BY	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
2	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
3	DETENTION POND	3.95 Ac.	0.00 Ac.	3.95 Ac.	WEST HARPETH RIVER
4	DETENTION POND	11.50 Ac.	0.00 Ac.	11.50 Ac.	WEST HARPETH RIVER
5	DETENTION POND	12.48 Ac.	0.00 Ac.	12.48 Ac.	WEST HARPETH RIVER
6	DETENTION POND	3.74 Ac.	0.00 Ac.	3.74 Ac.	WEST HARPETH RIVER
7	DETENTION POND	3.65 Ac.	0.00 Ac.	3.65 Ac.	WEST HARPETH RIVER
8	DETENTION POND	5.65 Ac.	2.18 Ac.	7.83 Ac.	WEST HARPETH RIVER

PROPOSED BMP'S

BMP	TYPE
SILT FENCE	TEMPORARY, SEDIMENT CONTROL
CONSTRUCTION ENTRANCE	TEMPORARY, SEDIMENT CONTROL
VEGETATION	PERMANENT, EROSION PREVENTION
INLET PROTECTION	TEMPORARY, SEDIMENT CONTROL
DETENTION POND	PERMANENT, WATER QUALITY
TREE PROTECTION	TEMPORARY, PROTECTION
EROSION EEL	TEMPORARY, SEDIMENT CONTROL
SEDIMENT BASIN	TEMPORARY, SEDIMENT CONTROL



EPSC Phasing
 Initial: Silt Fence Along Downgradient, Perimeter Construction Entrance, Check Dams in Existing Ditches, Filter Fabric Inlet Protection
 Intermediate: Temporary Seeding, Temporary Sediment Basins, Filter Fabric Inlet Protection, Check Dams in Proposed Ditches, Silt Fence To Protect Ditches, Erosion Control Blanket Installation At Prescribed Locations
 Final: Seeding And Stabilization Of All Disturbed Areas

NOTE:
 Trees are to be protected by fencing during the construction process. Any trees damaged during construction shall be subject of replacement per the town LDO.

Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER & PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB & GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	A DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25' x PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25) x EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	> SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE & BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE - X - HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	~
EXISTING FENCELINE	x x
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

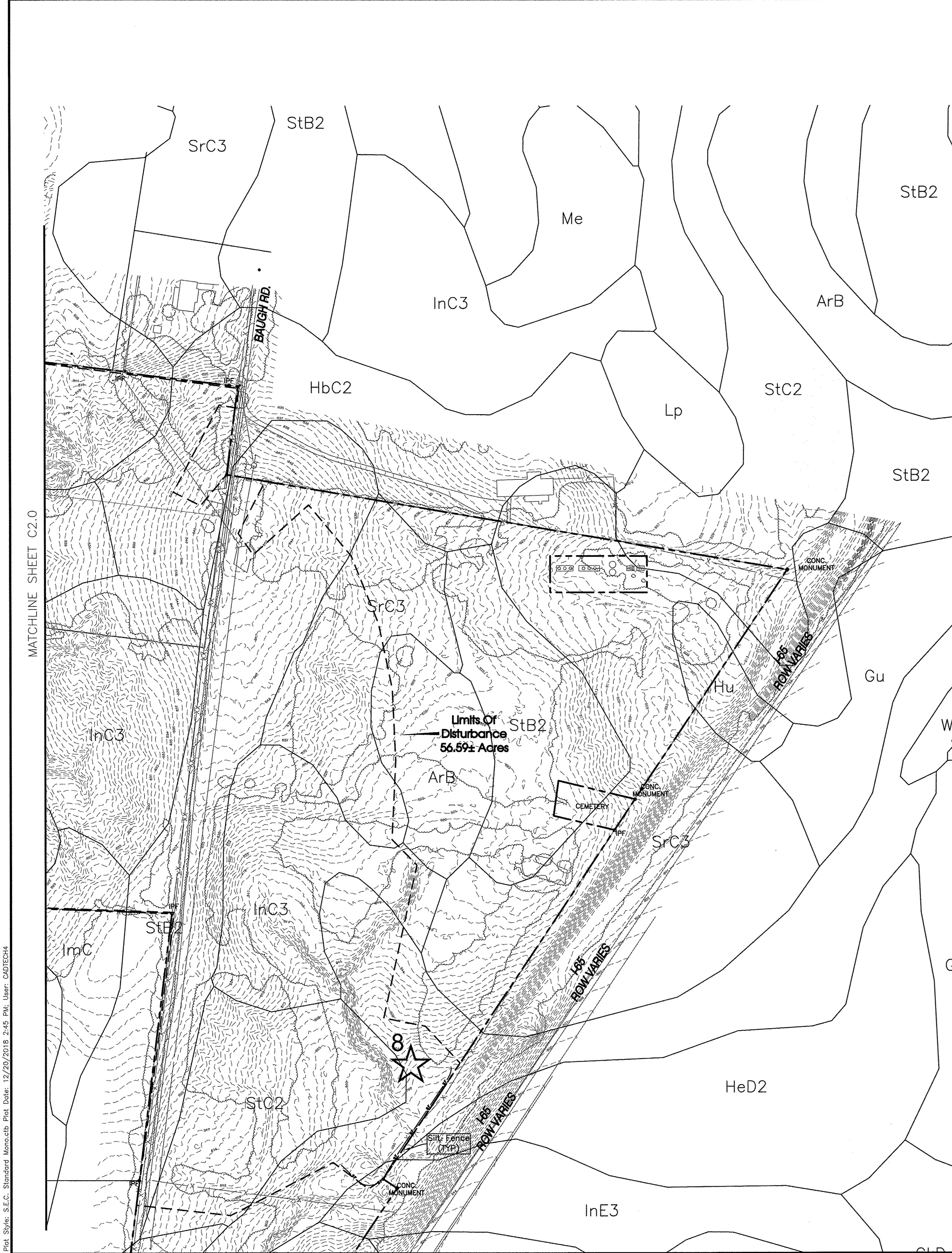
81
 Know what's below. Call before you dig.
 SCALE: 1" = 100'
 100' 0 100' 200'

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Littleberry Subdivision
 Thompson Station, Tennessee

REVISIONS: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 4-19-19 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleberryPrelim
 SCALE: 1" = 100'
 JOB NO. 17224
 SHEET: **C2.0**



MATCHLINE SHEET C2.0

Plot Style: S.E.C. Standard Monocolor Plot Date: 12/29/2018 2:45 PM User: CADTECH4

EXISTING ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
PASTURE	PASTURE IN FAIR CONDITION A SOILS, CN=49	18.16
PASTURE	PASTURE IN FAIR CONDITION B SOILS, CN=69	2.13
PASTURE	PASTURE IN FAIR CONDITION C SOILS, CN=79	2.86
PASTURE	PASTURE IN FAIR CONDITION D SOILS, CN=84	4.30
WOODS	WOODS IN FAIR CONDITION A SOILS, CN=36	13.83
WOODS	WOODS IN FAIR CONDITION B SOILS, CN=60	1.14
WOODS	WOODS IN FAIR CONDITION C SOILS, CN=73	6.89
WOODS	WOODS IN FAIR CONDITION D SOILS, CN=79	6.27
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
		COMPOSITE CN=58

PROPOSED ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
PAVED ROADS	ROADS, CN=98	8.99
OPEN SPACE	OPEN SPACE A SOILS, CN=39	4.61
OPEN SPACE	OPEN SPACE B SOILS, CN=61	1.07
OPEN SPACE	OPEN SPACE C SOILS, CN=74	3.06
OPEN SPACE	OPEN SPACE D SOILS, CN=80	5.49
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS A SOILS, CN=57	22.14
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS B SOILS, CN=72	1.90
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS C SOILS, CN=81	4.56
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS D SOILS, CN=86	3.60
		COMPOSITE CN=70

OUTFALLS

NUMBER	DESCRIPTION	DRAINAGE AREA			RECEIVING FEATURE
		DISTURBED	PASS BY	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
2	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
3	DETENTION POND	3.95 Ac.	0.00 Ac.	3.95 Ac.	WEST HARPETH RIVER
4	DETENTION POND	11.50 Ac.	0.00 Ac.	11.50 Ac.	WEST HARPETH RIVER
5	DETENTION POND	12.48 Ac.	0.00 Ac.	12.48 Ac.	WEST HARPETH RIVER
6	DETENTION POND	3.74 Ac.	0.00 Ac.	3.74 Ac.	WEST HARPETH RIVER
7	DETENTION POND	3.65 Ac.	0.00 Ac.	3.65 Ac.	WEST HARPETH RIVER
8	DETENTION POND	5.65 Ac.	2.18 Ac.	7.83 Ac.	WEST HARPETH RIVER

PROPOSED BMP'S

BMP	TYPE
SILT FENCE	TEMPORARY, SEDIMENT CONTROL
CONSTRUCTION ENTRANCE	TEMPORARY, SEDIMENT CONTROL
VEGETATION	PERMANENT, EROSION PREVENTION
INLET PROTECTION	TEMPORARY, SEDIMENT CONTROL
DETENTION POND	PERMANENT, WATER QUALITY
TREE PROTECTION	TEMPORARY, PROTECTION
EROSION EEL	TEMPORARY, SEDIMENT CONTROL
SEDIMENT BASIN	TEMPORARY, SEDIMENT CONTROL



EPSC Phasing
 Initial: Silt Fence Along Downgradient Perimeter Construction Entrance Check Dams in Existing Ditches Filter Fabric Inlet Protection
 Intermediate: Temporary Seeding Temporary Sediment Basins Filter Fabric Inlet Protection Check Dams in Proposed Ditches Silt Fence To Protect Ditches Erosion Control Blanket Installation At Prescribed Locations
 Final: Seeding And Stabilization Of All Disturbed Areas

NOTE:
 Trees are to be protected by fencing during the construction process. Any trees damaged during construction shall be subject to replacement per the town LDO.

Legend:

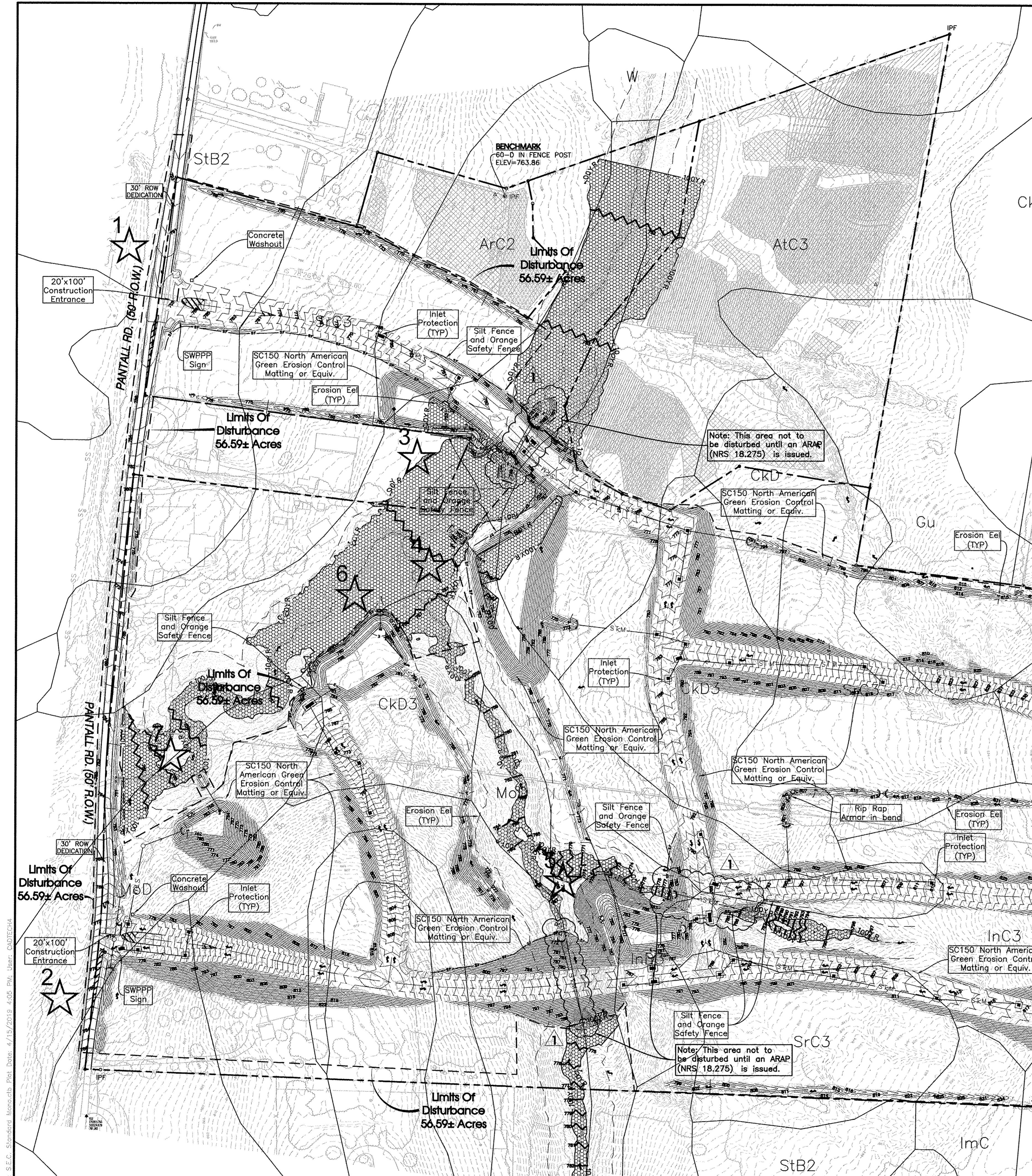
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	→	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊞	EXIST. CATCH BASIN (STORM SEWER)	⊞	WHEEL STOP
⊞	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊞	EXIST. GAS RISER	—	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊞	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	1	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
○	BLOW OFF VALVE	⊞	RIP RAP
○	REDUCER	→	RUNOFF FLOW ARROW
○	REMOTE FIRE DEPT. CONNECTION	⊞	INLET FILTER PROTECTION
○	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
○	DOUBLE DETECTOR CHECK VALVE	(63.25) x	EXIST. SPOT ELEVATION
○	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
○	FIRE HYDRANT	⊞	CATCH BASIN
○	GATE VALVE & BOX	⊞	CURB INLET
○	WATER METER	⊞	AREA DRAIN
○	GAS METER	—	HEADWALL
○	GREASE TRAP	—	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	—	CONCRETE SWALE
○	MANHOLE	⊞	TYPE- X- HEADWALL

811
 Know what's below. Call before you dig.
 1" = 100'
 SCALE: 1" = 100'

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Littlebury Subdivision
 Thompson Station, Tennessee

REVISIONS: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleberryPrelim
 SCALE: 1" = 100'
 JOB NO. 17224
 SHEET: C2.1



EXISTING ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
PASTURE	PASTURE IN FAIR CONDITION A SOILS, CN=49	18.16
PASTURE	PASTURE IN FAIR CONDITION B SOILS, CN=69	2.13
PASTURE	PASTURE IN FAIR CONDITION C SOILS, CN=79	2.86
PASTURE	PASTURE IN FAIR CONDITION D SOILS, CN=84	4.30
WOODS	WOODS IN FAIR CONDITION A SOILS, CN=36	13.83
WOODS	WOODS IN FAIR CONDITION B SOILS, CN=60	1.14
WOODS	WOODS IN FAIR CONDITION C SOILS, CN=73	6.89
WOODS	WOODS IN FAIR CONDITION D SOILS, CN=79	6.27
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
COMPOSITE CN=58		

PROPOSED ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
PAVED ROADS	ROADS, CN=98	8.99
OPEN SPACE	OPEN SPACE A SOILS, CN=39	4.61
OPEN SPACE	OPEN SPACE B SOILS, CN=61	1.07
OPEN SPACE	OPEN SPACE C SOILS, CN=74	3.06
OPEN SPACE	OPEN SPACE D SOILS, CN=80	5.49
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS A SOILS, CN=57	22.14
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS B SOILS, CN=72	1.90
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS C SOILS, CN=81	4.56
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS D SOILS, CN=86	3.60
COMPOSITE CN=70		

OUTFALLS

NUMBER	DESCRIPTION	DRAINAGE AREA			RECEIVING FEATURE
		DISTURBED	PASS BY	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
2	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
3	DETENTION POND	3.95 Ac.	0.00 Ac.	3.95 Ac.	WEST HARPETH RIVER
4	DETENTION POND	11.50 Ac.	0.00 Ac.	11.50 Ac.	WEST HARPETH RIVER
5	DETENTION POND	12.48 Ac.	0.00 Ac.	12.48 Ac.	WEST HARPETH RIVER
6	DETENTION POND	3.74 Ac.	0.00 Ac.	3.74 Ac.	WEST HARPETH RIVER
7	DETENTION POND	3.65 Ac.	0.00 Ac.	3.65 Ac.	WEST HARPETH RIVER
8	DETENTION POND	5.65 Ac.	2.18 Ac.	7.83 Ac.	WEST HARPETH RIVER

PROPOSED BMP'S

BMP	TYPE
SILT FENCE	TEMPORARY, SEDIMENT CONTROL
CONSTRUCTION ENTRANCE	TEMPORARY, SEDIMENT CONTROL
VEGETATION	PERMANENT, EROSION PREVENTION
INLET PROTECTION	TEMPORARY, SEDIMENT CONTROL
DETENTION POND	PERMANENT, WATER QUALITY
TREE PROTECTION	TEMPORARY, PROTECTION
EROSION EEL	TEMPORARY, SEDIMENT CONTROL
SEDIMENT BASIN	TEMPORARY, SEDIMENT CONTROL



EPSC Phasing

Initial: Silt Fence Along Downgradient Perimeter Construction Entrance Check Dams In Existing Ditches Filter Fabric Inlet Protection

Intermediate: Temporary Seeding Temporary Sediment Basins Filter Fabric Inlet Protection Check Dams In Proposed Ditches Silt Fence To Protect Ditches Erosion Control Blanket Installation At Prescribed Locations

Final: Seeding And Stabilization Of All Disturbed Areas

Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER & PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB & GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25' x 63.25' PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25)' x (63.25)' EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE & BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF --- SF
EROSION EEL	E --- E --- E
EXISTING TREELINE	---
EXISTING FENCELINE	X --- X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	60
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS --- SS
PROPOSED SANITARY SEWER	SS --- SS
EXISTING WATER	W --- W
PROPOSED WATER	W --- W

NOTE:
Trees are to be protected by fencing during the construction process. Any trees damaged during construction shall be subject to replacement per the town LDO.

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1" = 100'
SCALE: 1" = 100'

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LANDSCAPE ARCHITECTURE
850 MIDDLE TENNESSEE BOULEVARD
MURFREESBORO, TENNESSEE 37129
PHONE: (615) 894-7900
E-MAIL: RHOULZE@SEC-CIVIL.COM
FAX: (615) 895-2467

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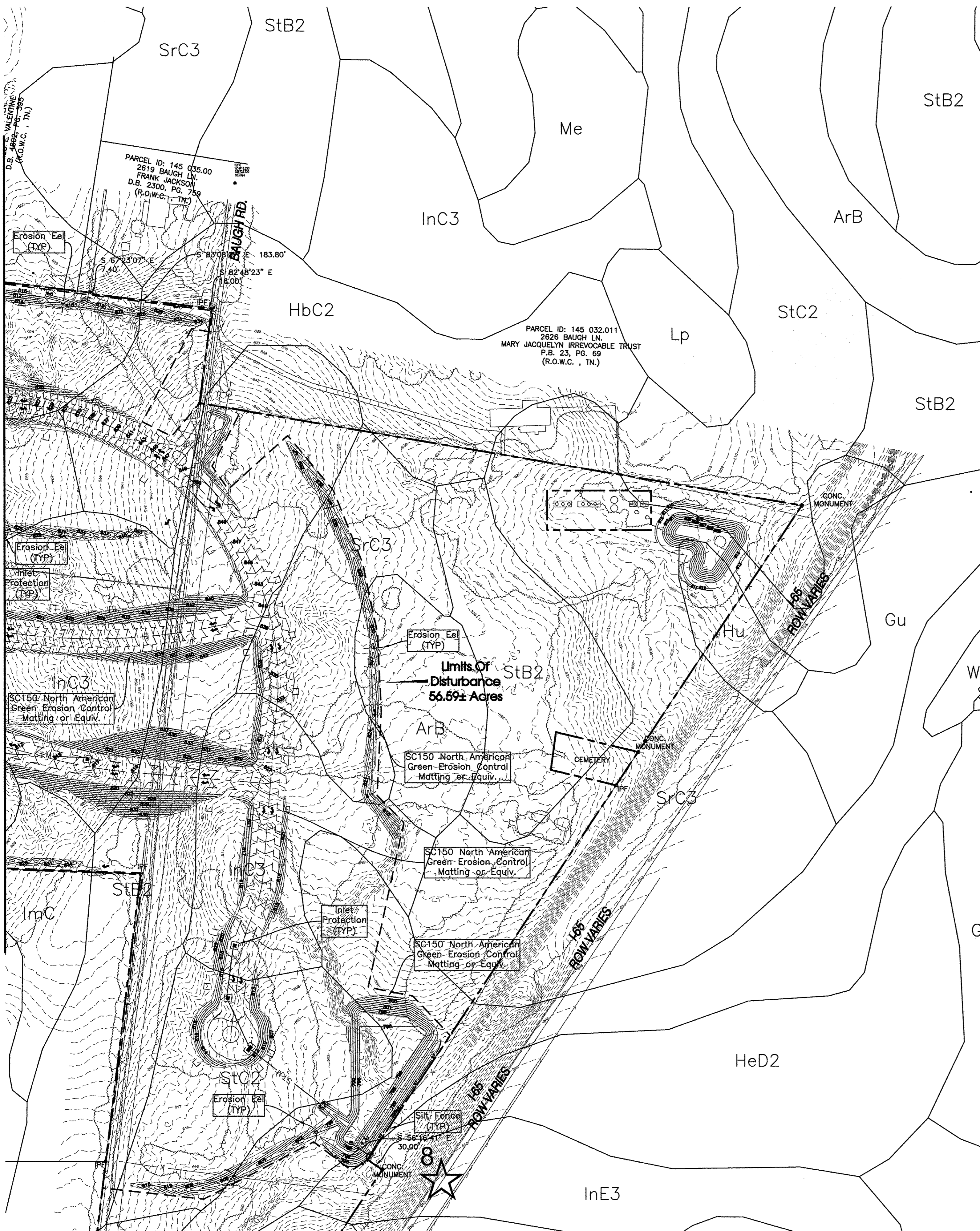
Littleberry Subdivision
Thompson Station, Tennessee

Intermediate EPSC Plan

REVISIONS: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments
4-19-19 Comments

DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleberryPrelim
SCALE: 1" = 100'
JOB NO. 17224
SHEET: C3.0

MATCHLINE SHEET C3.0



EXISTING ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
PASTURE	PASTURE IN FAIR CONDITION A SOILS, CN=49	18.16
PASTURE	PASTURE IN FAIR CONDITION B SOILS, CN=69	2.13
PASTURE	PASTURE IN FAIR CONDITION C SOILS, CN=79	2.86
PASTURE	PASTURE IN FAIR CONDITION D SOILS, CN=84	4.30
WOODS	WOODS IN FAIR CONDITION A SOILS, CN=36	13.83
WOODS	WOODS IN FAIR CONDITION B SOILS, CN=60	1.14
WOODS	WOODS IN FAIR CONDITION C SOILS, CN=73	6.89
WOODS	WOODS IN FAIR CONDITION D SOILS, CN=79	6.27
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
COMPOSITE CN=58		

PROPOSED ON-SITE CONDITIONS

COVER	SCS CLASSIFICATION	AREA (Ac)
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES A SOILS, CN=83	0.70
ROADS W/ DITCHES	ROADS W/ OPEN DITCHES D SOILS, CN=93	0.31
PAVED ROADS	ROADS, CN=98	8.99
OPEN SPACE	OPEN SPACE A SOILS, CN=39	4.61
OPEN SPACE	OPEN SPACE B SOILS, CN=61	1.07
OPEN SPACE	OPEN SPACE C SOILS, CN=74	3.06
OPEN SPACE	OPEN SPACE D SOILS, CN=80	5.49
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS A SOILS, CN=57	22.14
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS B SOILS, CN=72	1.90
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS C SOILS, CN=81	4.56
RESIDENTIAL 1/2 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS D SOILS, CN=86	3.60
COMPOSITE CN=70		

OUTFALLS

NUMBER	DESCRIPTION	DRAINAGE AREA			RECEIVING FEATURE
		DISTURBED	PASS BY	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
2	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST HARPETH RIVER
3	DETENTION POND	3.95 Ac.	0.00 Ac.	3.95 Ac.	WEST HARPETH RIVER
4	DETENTION POND	11.50 Ac.	0.00 Ac.	11.50 Ac.	WEST HARPETH RIVER
5	DETENTION POND	12.48 Ac.	0.00 Ac.	12.48 Ac.	WEST HARPETH RIVER
6	DETENTION POND	3.74 Ac.	0.00 Ac.	3.74 Ac.	WEST HARPETH RIVER
7	DETENTION POND	3.65 Ac.	0.00 Ac.	3.65 Ac.	WEST HARPETH RIVER
8	DETENTION POND	5.65 Ac.	2.18 Ac.	7.83 Ac.	WEST HARPETH RIVER

PROPOSED BMP'S

BMP	TYPE
SILT FENCE	TEMPORARY, SEDIMENT CONTROL
CONSTRUCTION ENTRANCE	TEMPORARY, SEDIMENT CONTROL
VEGETATION	PERMANENT, EROSION PREVENTION
INLET PROTECTION	TEMPORARY, SEDIMENT CONTROL
DETENTION POND	PERMANENT, WATER QUALITY
TREE PROTECTION	TEMPORARY, PROTECTION
EROSION EEL	TEMPORARY, SEDIMENT CONTROL
SEDIMENT BASIN	TEMPORARY, SEDIMENT CONTROL



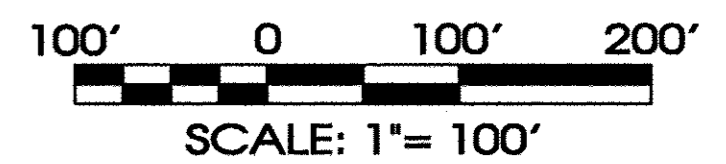
EPSC Phasing
 Initial: Silt Fence Along Downgradient, Perimeter Construction Entrance, Check Dams In Existing Ditches, Filter Fabric Inlet Protection
 Intermediate: Temporary Seeding, Temporary Sediment Basins, Filter Fabric Inlet Protection, Check Dams In Proposed Ditches, Silt Fence To Protect Ditches, Erosion Control Blanket Installation At Prescribed Locations
 Final: Seeding And Stabilization Of All Disturbed Areas

NOTE:
 Trees are to be protected by fencing during the construction process. Any trees damaged during construction shall be subject to replacement per the town LDO.

Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER & PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB & GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25' x PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25) x EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	> SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE & BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	
EASEMENTS	
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	
EXISTING FENCELINE	X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	-601-
PROPOSED CONTOUR LINES	-601-
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W



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 850 MIDDLE TENNESSEE BOULEVARD
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Littlebury Subdivision
 Thompson Station, Tennessee

REVISIONS: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments

DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224.LittleburyPrelim
 SCALE: 1" = 100'
 JOB NO. 17224
 SHEET: C3.1

Intermediate EPSC Plan

Plot Style: S.E.C. Standard Monocb Plot Date: 12/20/2018 2:49 PM User: CADTECH4



Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (LP.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER & PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB & GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	A DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25 PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25) EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	> SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE & BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE- X- HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	EH
PROPERTY LINE	
EASEMENTS	
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION FEE	E E E
EXISTING TREELINE	
EXISTING FENCELINE	X X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

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NOTES:
 1. All geotechnical recommendations shall be adhered to during construction activities.
 2. All roads and sidewalks shall be tested in accordance with Town regulations.
 3. All roads and sidewalks shall be inspected by the Town.

PARCEL ID: 145 037.02
 2648 PANTALL RD.
 HARRY NICHOLS
 D.B. 1426, PG. 194
 (R.O.W.C., TN.)

Note: This area not to be disturbed until an ARAP (NRS 18.275) is issued.

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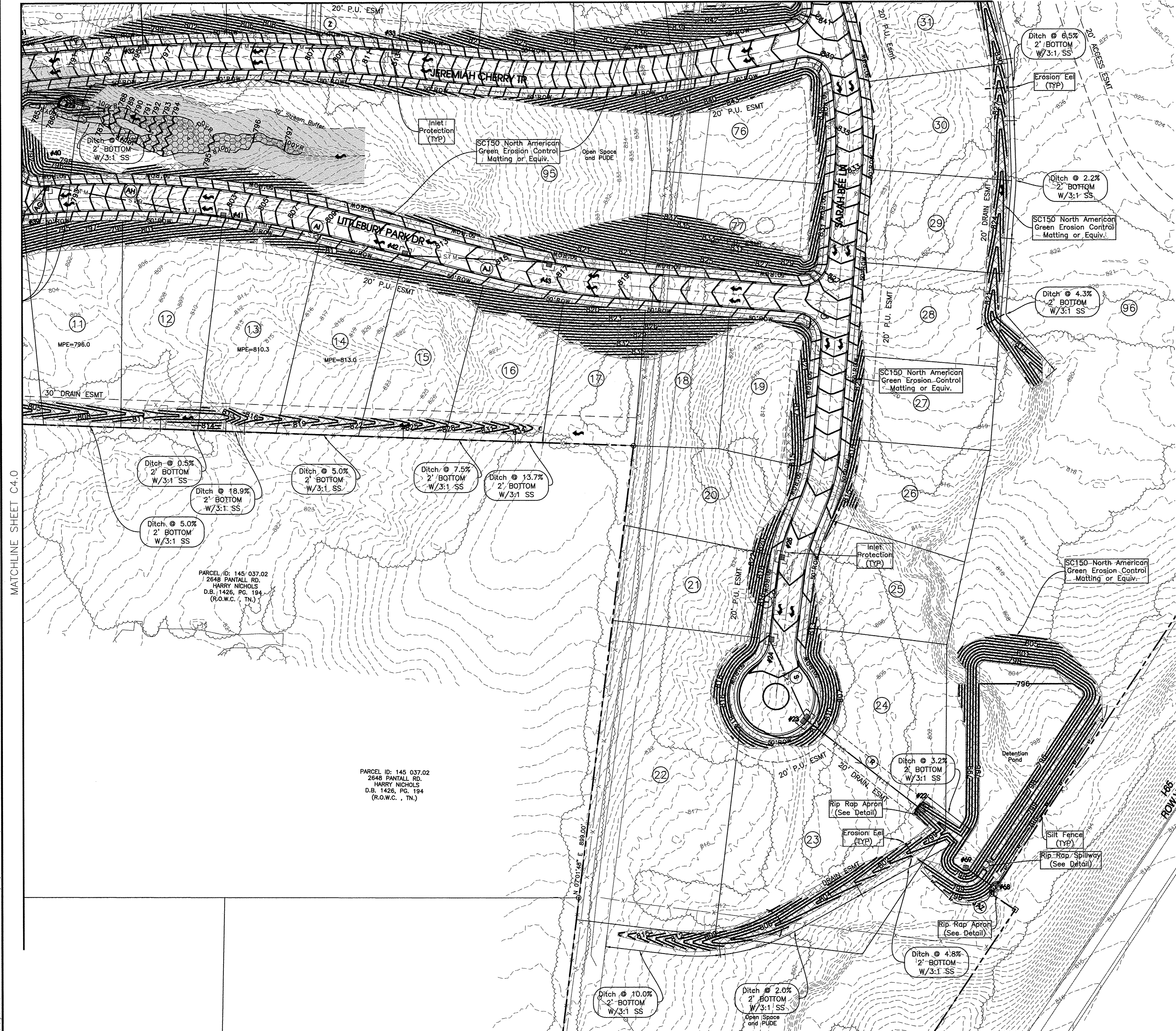
CLAYTON HOIZE
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TENNESSEE

Littlebury Subdivision
 Thompson Station, Tennessee

Grading and Drainage Plan
 SHEET: **C4.0**

REVISIONS:
 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 4-15-19 Comments

DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleberryPrelim
 SCALE: 1"=50'
 JOB NO. 17224
 SHEET:



Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	→	PROPOSED SIGN POST
⊕	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊕	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊕	EXIST. GAS RISER	—	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊕	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	1	REVISION NUMBER
⊕	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊕	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
⊕	REDUCER	→	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	⊕	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	⊕	CATCH BASIN
⊕	GATE VALVE & BOX	⊕	CURB INLET
⊕	WATER METER	⊕	AREA DRAIN
⊕	GAS METER	—	HEADWALL
⊕	GREASE TRAP	⊕	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊕	CONCRETE SWALE
○	MANHOLE	⊕	TYPE- X- HEADWALL

EXISTING PHONE	— PH —
EXISTING ELECTRIC	— OH —
PROPERTY LINE	— — — —
EASEMENTS	— · — · —
RIGHT OF WAY	— 50' ROW —
EROSION CONTROL SILT FENCE	— SF — SF —
EROSION EEL	— E — E — E —
EXISTING TREELINE	— — — —
EXISTING FENCELINE	— X — X —
MINIMUM BUILDING SETBACK LINE	— MBSL —
PHASE BOUNDARY	— · · · · · —
EXISTING GAS LINE	— GAS —
PROPOSED GAS LINE	— GAS —
EXISTING STORM	— STM —
PROPOSED STORM	— STM —
EXISTING CONTOUR LINES	— 601 —
PROPOSED CONTOUR LINES	— 601 —
EXISTING SANITARY SEWER	— SS — SS —
PROPOSED SANITARY SEWER	— SS — SS —
EXISTING WATER	— W — W —
PROPOSED WATER	— W — W —

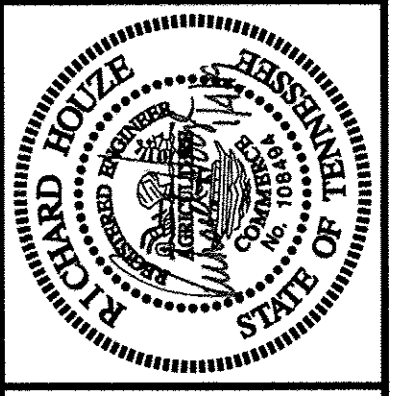
PARCEL ID: 145 037.02
2648 PANTALL RD.
HARRY NICHOLS
D.B. 1426, PG. 194
(R.O.W.C. , TN.)

PARCEL ID: 145 037.02
2648 PANTALL RD.
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3. All roads and sidewalks shall be inspected by the Town.

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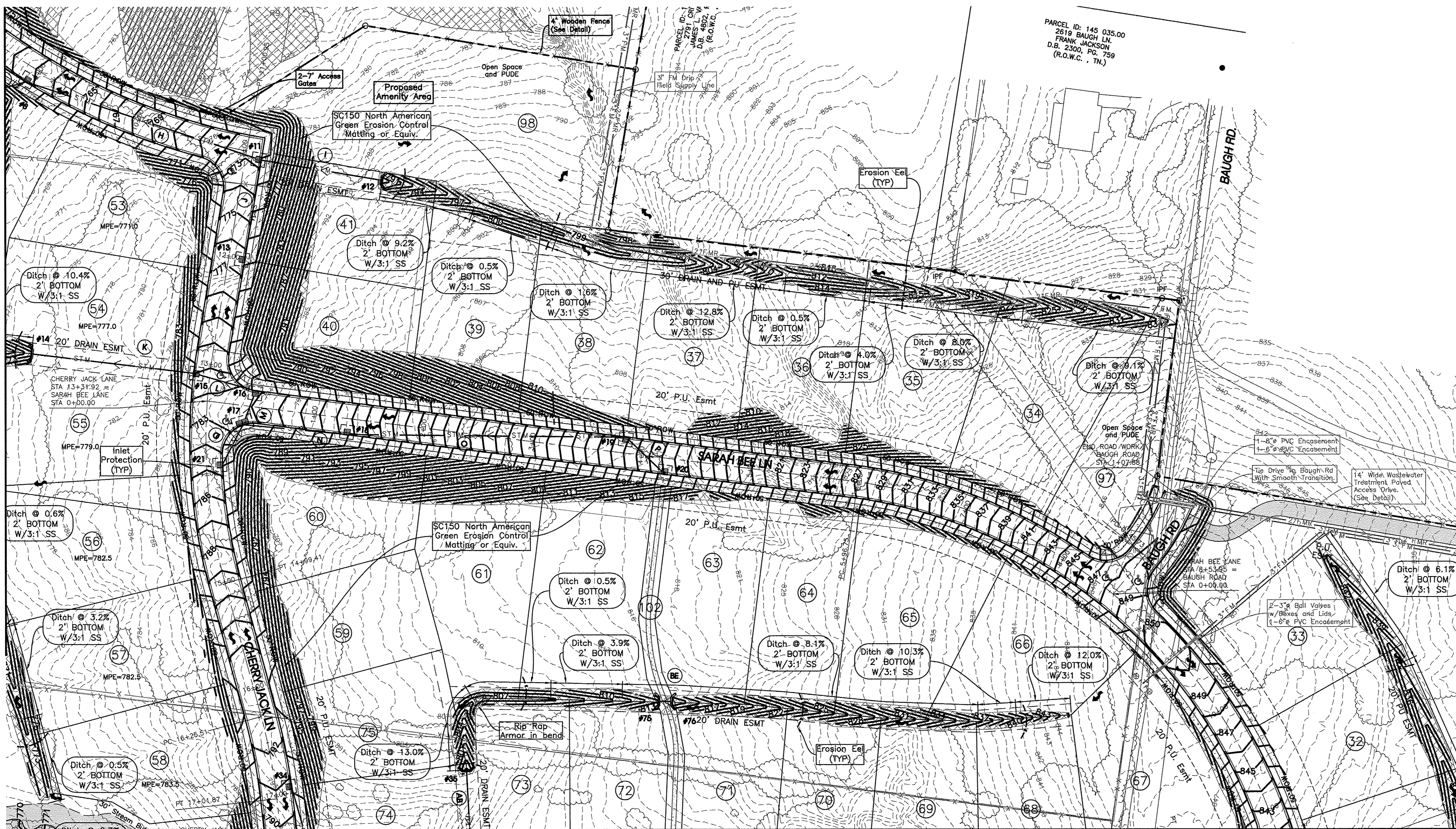
Littleberry Subdivision
Thompson Station, Tennessee

REVISIONS: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments
DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleberryPrelim
SCALE: 1" = 50'
JOB NO. 17224
SHEET: C4.1

MATCHLINE SHEET C4.0

Plot Style: S.E.C. Standard Monochrome Plot Date: 12/20/2018 2:45 PM User: CADTECH4

MATCHLINE SHEET C4.3



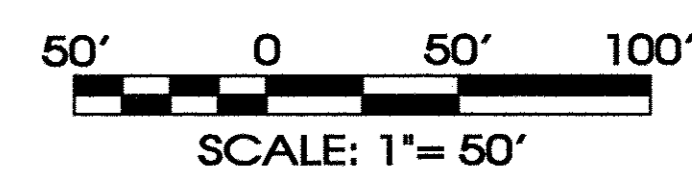
MATCHLINE SHEET C4.1

- NOTES:**
1. All geotechnical recommendations shall be adhered to during construction activities.
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Legend:			
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	→	PROPOSED SIGN POST
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⊕	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊕	EXIST. GAS RISER	—	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊕	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	↑	REVISION NUMBER
⊕	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊕	POST INDICATOR VALVE	⊕	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
⊕	REDUCER	→	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	⊕	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25) x	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	→	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	⊕	CATCH BASIN
⊕	GATE VALVE & BOX	⊕	CURB INLET
⊕	WATER METER	⊕	AREA DRAIN
⊕	GAS METER	—	HEADWALL
⊕	GREASE TRAP	⊕	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊕	CONCRETE SWALE
○	MANHOLE	⊕	TYPE- X- HEADWALL
—	EXISTING PHONE	—	PH
—	EXISTING ELECTRIC	—	OH
—	PROPERTY LINE	—	
—	EASEMENTS	—	
—	RIGHT OF WAY	—	50' ROW
—	EROSION CONTROL SILT FENCE	—	SF SF
—	EROSION EEL	—	E E E
—	EXISTING TREELINE	—	
—	EXISTING FENCELINE	—	X X
—	MINIMUM BUILDING SETBACK LINE	—	MBSL
—	PHASE BOUNDARY	—	
—	EXISTING GAS LINE	—	GAS
—	PROPOSED GAS LINE	—	GAS
—	EXISTING STORM	—	STM
—	PROPOSED STORM	—	STM
—	EXISTING CONTOUR LINES	—	601
—	PROPOSED CONTOUR LINES	—	601
—	EXISTING SANITARY SEWER	—	SS SS
—	PROPOSED SANITARY SEWER	—	SS SS
—	EXISTING WATER	—	W W
—	PROPOSED WATER	—	W W



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 850 MIDDLE TENNESSEE BOULEVARD
 MURFREESBORO, TENNESSEE 37129
 PHONE: (615) 890-7901 E-MAIL: ROUDZ@SEC-CIVIL.COM FAX: (615) 895-2567
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Littlebury Subdivision
 Thompson Station, Tennessee

Grading and Drainage Plan
 SHEET: C4.2
 REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleburyPrelim
 SCALE: 1"=50'
 JOB NO. 17224
 SHEET: C4.2



Legend:

EXIST. CONCRETE MONUMENT	BENCHMARK
IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
IRON PIN FOUND (I.P.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
EXIST. SIGN POST	HC SIGN
EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
EXIST. MANHOLE (SEWER & PHONE)	CONCRETE BOLLARD
EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
EXIST. TELEPHONE RISER	EXTRUDED CURB
EXIST. GAS RISER	CURB & GUTTER
ELECTRICAL ENCLOSURE	TRAFFIC ARROW
EXIST. WATER METER	TURN LANE ARROWS
EXIST. UTILITY POLE	REVISION NUMBER
EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
POST INDICATOR VALVE	A DRAINAGE PIPE DESIGNATION
BLOW OFF VALVE	RIP RAP
REDUCER	RUNOFF FLOW ARROW
REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
CONCRETE THRUST BLOCK	63.25' x PROPOSED SPOT ELEVATION
DOUBLE DETECTOR CHECK VALVE	(63.25) x EXIST. SPOT ELEVATION
FIRE DEPT. CONNECTION	> SEWER/STORM FLOW DIRECTION
FIRE HYDRANT	CATCH BASIN
GATE VALVE & BOX	CURB INLET
WATER METER	AREA DRAIN
GAS METER	HEADWALL
GREASE TRAP	WINGED HEADWALL
EXTERIOR CLEANOUT ECO	CONCRETE SWALE
MANHOLE	TYPE - X - HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	O11
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	---
EXISTING FENCELINE	X X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	601
PROPOSED CONTOUR LINES	601
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

MATCHLINE SHEET C4.2

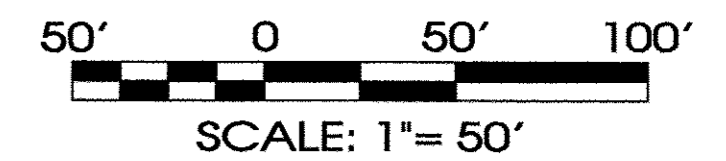
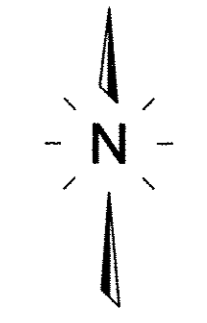
MATCHLINE SHEET C4.0

SITE ENGINEERING CONSULTANTS
 ENGINEERING · SURVEYING · LAND PLANNING
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 LANDSCAPE ARCHITECTURE
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Littleberry Subdivision
 Thompson Station, Tennessee

Grading and Drainage Plan
 C4.3

- NOTES:**
- All geotechnical recommendations shall be adhered to during construction activities.
 - All roads and sidewalks shall be tested in accordance with Town regulations.
 - All roads and sidewalks shall be inspected by the Town.



File: S:\Projects\2019\2019-08-28_Alt_Ultim_CADD\EC4.3

REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 4-18-19 Comments

DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleberryPrelim
 SCALE: 1" = 50'
 JOB NO. 17224
 SHEET: C4.3

DRAINAGE STRUCTURE TABLE			
NAME	T.O.G. ELEV (FT)	DESCRIPTION	JB&S CASTING #
#1	-	CONCRETE WINGED HW	-
#2	-	CONCRETE WINGED HW	-
#3	-	ENERGY DISSIPATING HW	-
#4	760.43	SINGLE BOX	1-3080V
#5	760.66	SINGLE BOX	1-3080V
#6	766.41	DOUBLE BOX	2-3080V
#7	-	ENERGY DISSIPATING HW	-
#8	761.65	SINGLE BOX	1-3080V
#9	758.73	SINGLE BOX	1-3080
#10	758.73	DOUBLE BOX	2-3080
#11	772.58	SINGLE BOX	1-3080V
#12	-	CONCRETE WINGED HW	-
#13	776.29	SINGLE BOX	1-3080V
#14	-	ENERGY DISSIPATING HW	-
#15	780.91	SINGLE BOX	1-3080V
#16	782.66	SINGLE BOX	1-3080V
#17	782.50	DOUBLE BOX	2-3080
#18	787.38	SINGLE BOX	1-3080V
#19	808.66	SINGLE BOX	1-3080V
#20	811.96	SINGLE BOX	1-3080V
#21	784.44	SINGLE BOX	1-3080V
#22	-	ENERGY DISSIPATING HW	-
#23	812.84	DOUBLE BOX	2-3080
#24	813.41	SINGLE BOX	1-3080V
#25	815.18	SINGLE BOX	1-3080V
#26	-	ENERGY DISSIPATING HW	-
#27	-	CONCRETE WINGED HW	-
#28	-	ENERGY DISSIPATING HW	-
#29	787.22	SINGLE BOX	1-3080
#30	787.22	TRIPLE BOX	3-3080
#31	788.05	DOUBLE BOX	2-3080
#32	795.26	SINGLE BOX	1-3080V
#33	812.58	SINGLE BOX	1-3080V
#34	790.72	SINGLE BOX	1-3080V
#35	-	CONCRETE WINGED HW	-
#36	-	ENERGY DISSIPATING HW	-
#37	786.44	DOUBLE BOX	2-3080
#38	786.44	DOUBLE BOX	2-3080
#39	789.40	SINGLE BOX	1-3080V
#40	790.96	SINGLE BOX	1-3080V
#41	802.29	SINGLE BOX	1-3080V
#42	811.68	SINGLE BOX	1-3080V
#43	816.29	SINGLE BOX	1-3080V
#44	787.07	SINGLE BOX	1-3080V
#45	-	ENERGY DISSIPATING HW	-
#46	-	CONCRETE WINGED HW	-
#47	-	CONCRETE WINGED HW	-
#48	764.23	TRIPLE BOX	3-3080
#49	771.54	SINGLE BOX	1-3080V
#50	784.93	SINGLE BOX	1-3080V
#51	-	CONCRETE WINGED HW	-
#52	764.72	MANHOLE	1020
#53	774.11	SINGLE BOX	1-3080V
#54	773.84	DOUBLE BOX	2-3080
#55	775.42	SINGLE BOX	1-3080V
#56	782.13	SINGLE BOX	1-3080V
#57	782.27	SINGLE BOX	1-3080V
#58	-	ENERGY DISSIPATING HW	-
#59	757.00	SINGLE BOX	7514
#60	-	ENERGY DISSIPATING HW	-
#61	757.50	SINGLE BOX	7514
#62	-	ENERGY DISSIPATING HW	-
#63	785.00	SINGLE BOX	7514
#64	-	ENERGY DISSIPATING HW	-
#65	759.50	SINGLE BOX	7514
#66	-	ENERGY DISSIPATING HW	-
#67	766.50	SINGLE BOX	7514
#68	-	ENERGY DISSIPATING HW	-
#69	799.50	SINGLE BOX	7514
#70	775.71	SINGLE BOX	1-3080V
#71	-	ENERGY DISSIPATING HW	-
#72	774.32	MANHOLE	1020
#73	-	CONCRETE WINGED HW	-
#74	757.00	MANHOLE	1020
#75	-	CONCRETE WINGED HW	-
#76	-	CONCRETE WINGED HW	-
#77	759.47	MANHOLE	1020

DRAINAGE PIPE TABLE										
NAME	STRUC (DN)	STRUC (UP)	INV (DN)	INV (UP)	LENGTH (FT)	SLOPE (%)	TYPE	SIZE (IN)	BARRELS	MANNING'S N
A	#1	#2	747.99	748.76	68	1.13	CONCRETE	6'(H)X10'(W)	2	0.013
B	#3	#4	753.67	755.52	24	7.71	RCP III	18	1	0.013
C	#4	#5	755.52	755.76	29	0.83	RCP III	18	1	0.013
D	#5	#6	755.76	762.41	167	3.98	RCP III	18	1	0.013
E	#7	#8	754.87	754.98	29	0.39	RCP III	18	1	0.013
F	#8	#11	758.57	769.15	225	4.70	RCP III	18	1	0.013
G	#8	#9	754.98	755.60	124	0.50	RCP III	18	1	0.013
H	#11	#13	769.15	772.55	92	3.67	RCP III	18	1	0.013
I	#11	#12	769.15	789.47	110	18.39	RCP III	18	1	0.013
J	#9	#10	755.60	755.72	29	0.41	RCP III	18	1	0.013
K	#14	#15	772.69	777.31	148	3.13	RCP III	18	1	0.013
L	#15	#16	777.31	778.86	58	2.64	RCP III	18	1	0.013
M	#16	#17	778.86	779.15	33	0.90	RCP III	18	1	0.013
N	#17	#18	779.15	784.36	95	5.49	RCP III	18	1	0.013
O	#18	#19	784.36	805.66	254	8.38	RCP III	18	1	0.013
P	#19	#20	805.66	808.96	48	6.81	RCP III	18	1	0.013
Q	#17	#21	779.15	781.02	41	4.55	RCP III	18	1	0.013
R	#22	#23	798.85	804.85	150	4.00	RCP III	18	1	0.013
S	#23	#24	808.85	810.41	96	1.63	RCP III	18	1	0.013
T	#24	#25	810.41	812.18	89	1.98	RCP III	18	1	0.013
U	#26	#27	777.76	782.00	125	3.38	RCP III	30	1	0.013
V	#28	#29	782.00	783.20	25	4.75	RCP III	30	1	0.013
W	#29	#30	783.70	783.94	29	0.82	RCP III	24	1	0.013
X	#30	#31	783.94	784.38	65	0.68	RCP III	24	1	0.013
Y	#31	#32	784.88	791.18	138	4.55	RCP III	18	1	0.013
Z	#32	#33	791.18	809.55	269	6.82	RCP III	18	1	0.013
AA	#31	#34	784.88	787.66	96	2.89	RCP III	18	1	0.013
AB	#32	#35	791.18	797.16	97	6.13	RCP III	18	1	0.013
AC	#36	#37	782.00	782.69	17	4.07	RCP III	24	1	0.013
AD	#37	#38	782.69	782.93	29	0.83	RCP III	24	1	0.013
AE	#58	#74	751.22	751.63	50	0.81	RCP III	12	1	0.013
AF	#38	#39	783.43	784.67	124	1.00	RCP III	18	1	0.013
AG	#39	#40	785.67	787.88	40	5.50	RCP III	18	1	0.013
AH	#40	#41	787.88	799.29	192	5.94	RCP III	18	1	0.013
AI	#41	#42	799.29	808.57	198	4.68	RCP III	18	1	0.013
AJ	#42	#43	808.57	813.18	156	2.96	RCP III	18	1	0.013
AK	#38	#44	783.43	784.07	58	1.10	RCP III	18	1	0.013
AL	#45	#46	766.34	769.68	151	2.22	RCP III	36	1	0.013
AM	#47	#48	758.00	759.61	51	3.17	RCP III	18	1	0.013
AN	#48	#49	759.61	767.54	104	7.62	RCP III	18	1	0.013
AO	#49	#70	767.54	772.71	51	10.23	RCP III	18	1	0.013
AP	#51	#52	761.47	761.85	76	0.50	RCP III	18	1	0.013
AQ	#52	#53	761.85	770.32	148	5.72	RCP III	18	1	0.013
AR	#53	#54	770.32	770.84	52	1.00	RCP III	18	1	0.013
AS	#54	#55	770.84	772.04	30	3.99	RCP III	18	1	0.013
AT	#55	#56	772.04	778.78	90	7.48	RCP III	18	1	0.013
AU	#56	#57	778.78	779.27	49	1.00	RCP III	18	1	0.013
AV	#60	#61	752.58	753.00	42	0.99	RCP III	18	1	0.013
AW	#62	#63	774.06	775.00	102	0.92	RCP III	12	1	0.013
AX	#64	#65	755.75	756.00	25	1.00	RCP III	15	1	0.013
AY	#66	#67	760.50	761.00	50	1.00	RCP III	15	1	0.013
AZ	#68	#69	794.67	795.00	33	1.00	RCP III	18	1	0.013
BA	#70	#50	772.71	781.93	97	9.50	RCP III	18	1	0.013
BB	#71	#72	766.83	769.32	80	3.13	RCP III	18	1	0.013
BC	#72	#73	769.32	776.29	53	13.10	RCP III	18	1	0.013
BD	#74	#77	751.63	752.34	142	0.50	RCP III	12	1	0.013
BE	#75	#76	812.11	812.94	10	8.30	HDPE	18	1	0.012
BF	#77	#59	752.34	752.50	31	0.51	RCP III	12	1	0.013

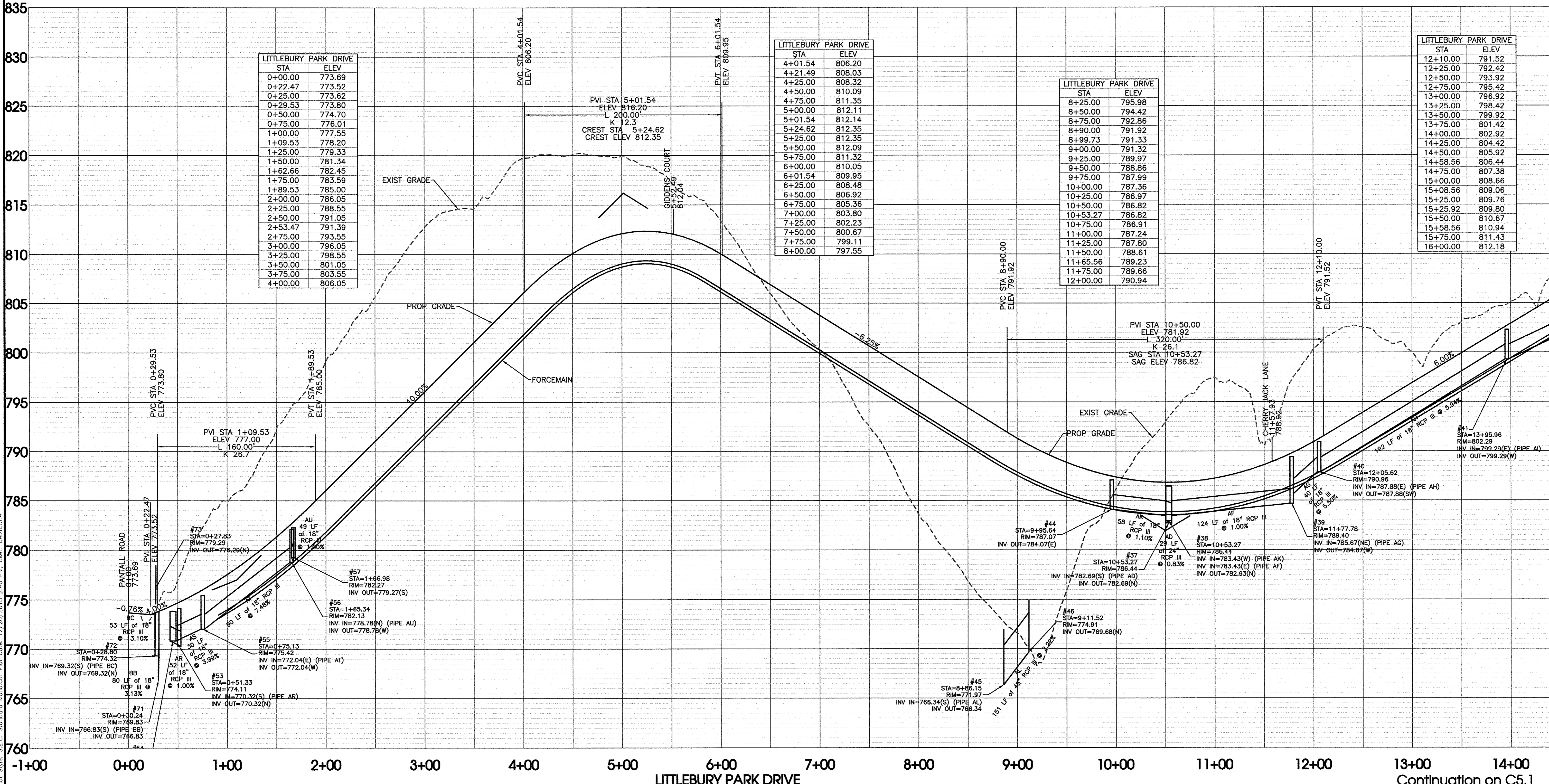
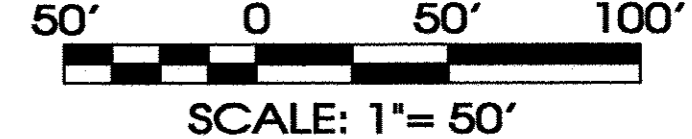
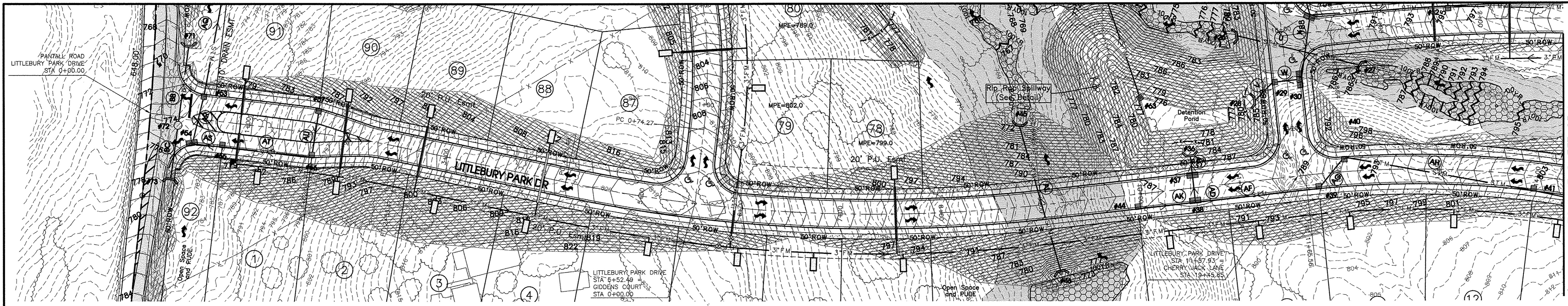
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SEC, Inc.
 ENGINEERING • SURVEYING • LAND PLANNING
 LANDSCAPE ARCHITECTURE
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 PHONE: (615) 890-7901 E-MAIL: RHOUZE@SEC-CIVIL.COM FAX: (615) 895-2567
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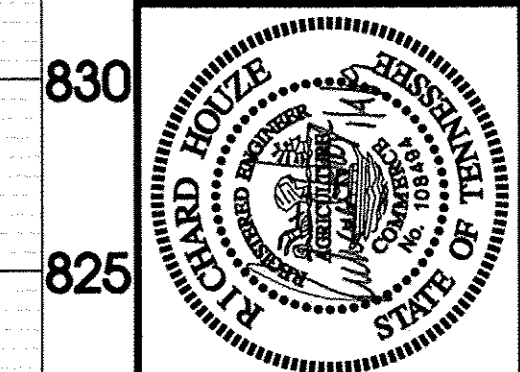


Littlebury Subdivision
 Thompson Station, Tennessee

Grading and Drainage Plan
 SHEET: C4.4
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleburyPrelim
 SCALE: 1"=50'
 JOB NO. 17224
 COMMENTS: REVISED: 8-30-18 Comments, 9-27-18 Update Layout, 12-11-18 Comments



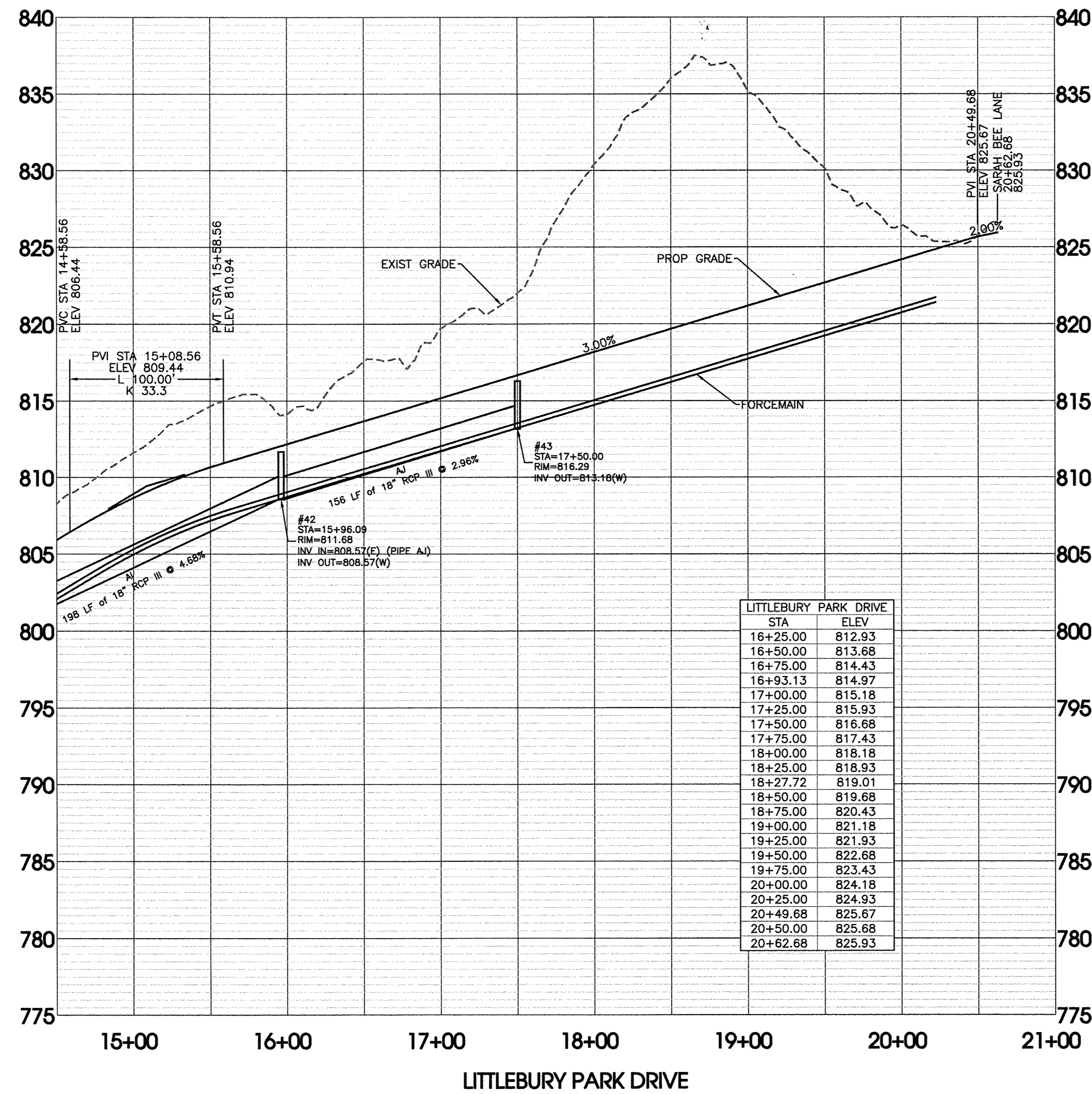
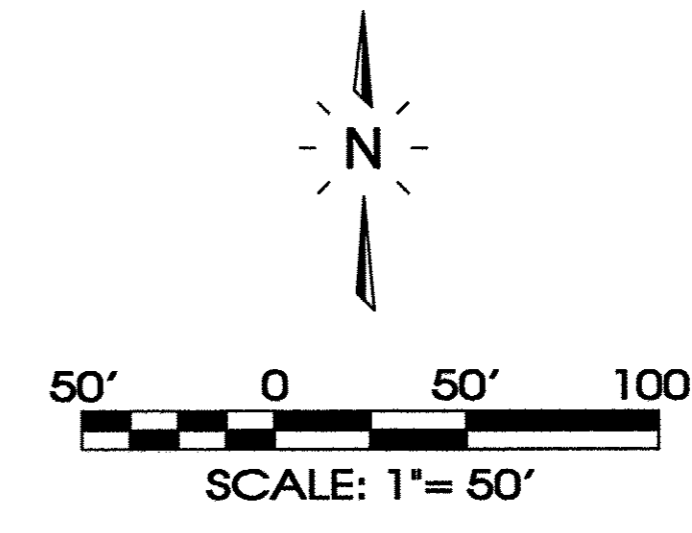
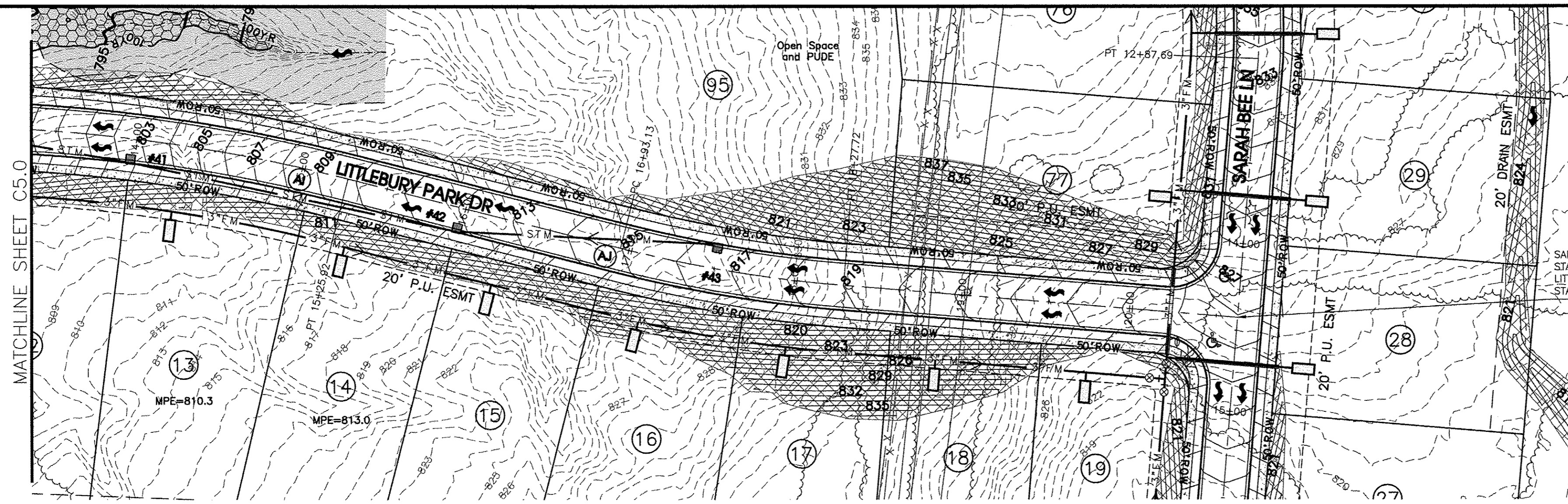
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Littlebury Subdivision
 Thompson Station, Tennessee

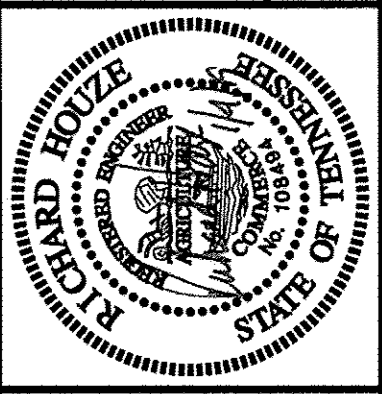
Road Plan and Profile
 SHEET: C5.0
 SCALE: 1"=50' HORIZ
 1"=5' VERT
 FILE NAME: 17224LittleburyPrelim
 CHECKED: JFR
 DATE: 6-11-18
 DRAWN: MLG
 COMMENTS: 9-27-18 Update Layout
 12-11-18 Comments

Plot Style: S.E.C. Standard Monocolor Plot Date: 12/20/2018 2:46 PM User: CADTECH4



Legend:			
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
⊕	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊕	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊕	EXIST. GAS RISER	—	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊕	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	△	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
○	BLOW OFF VALVE	○	RIP RAP
□	REDUCER	↘	RUNOFF FLOW ARROW
○	REMOTE FIRE DEPT. CONNECTION	□	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	□	CATCH BASIN
⊕	GATE VALVE & BOX	□	CURB INLET
⊕	WATER METER	⊕	AREA DRAIN
⊕	GAS METER	—	HEADWALL
⊕	GREASE TRAP	⊕	WINGED HEADWALL
○	EXTERIOR CLEANOUT	⊕	CONCRETE SWALE
○	MANHOLE	⊕	TYPE-X HEADWALL
—	EXISTING PHONE	—	PH
—	EXISTING ELECTRIC	—	OH
—	PROPERTY LINE	—	
—	EASEMENTS	—	
—	RIGHT OF WAY	—	50' ROW
—	EROSION CONTROL SILT FENCE	—	SF SF
—	EROSION EEL	—	E E E
—	EXISTING TREELINE	—	
—	EXISTING FENCELINE	—	X X
—	MINIMUM BUILDING SETBACK LINE	—	MBSL
—	PHASE BOUNDARY	—	
—	EXISTING GAS LINE	—	GAS
—	PROPOSED GAS LINE	—	GAS
—	EXISTING STORM	—	STM
—	PROPOSED STORM	—	STM
—	EXISTING CONTOUR LINES	—	-601-
—	PROPOSED CONTOUR LINES	—	601
—	EXISTING SANITARY SEWER	—	SS SS
—	PROPOSED SANITARY SEWER	—	SS SS
—	EXISTING WATER	—	W W
—	PROPOSED WATER	—	W W

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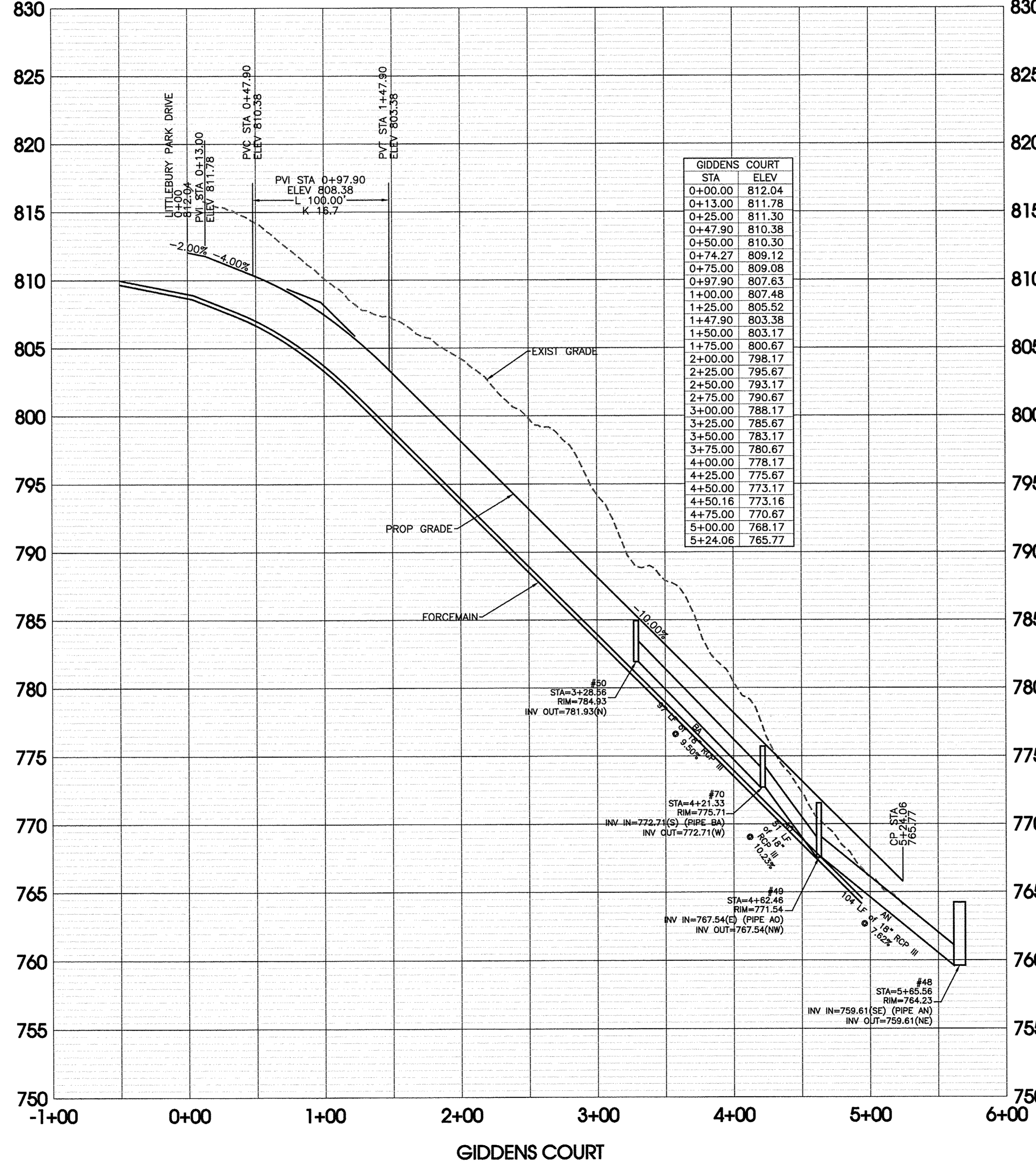
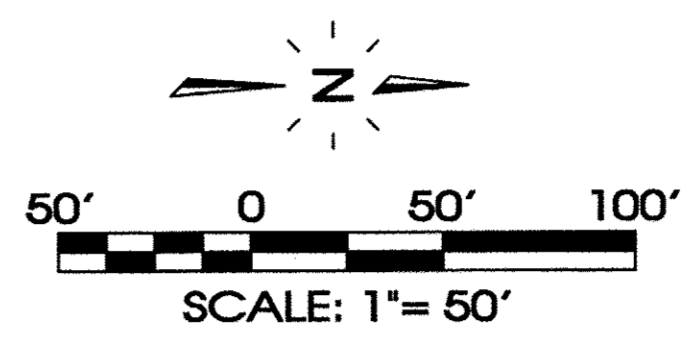
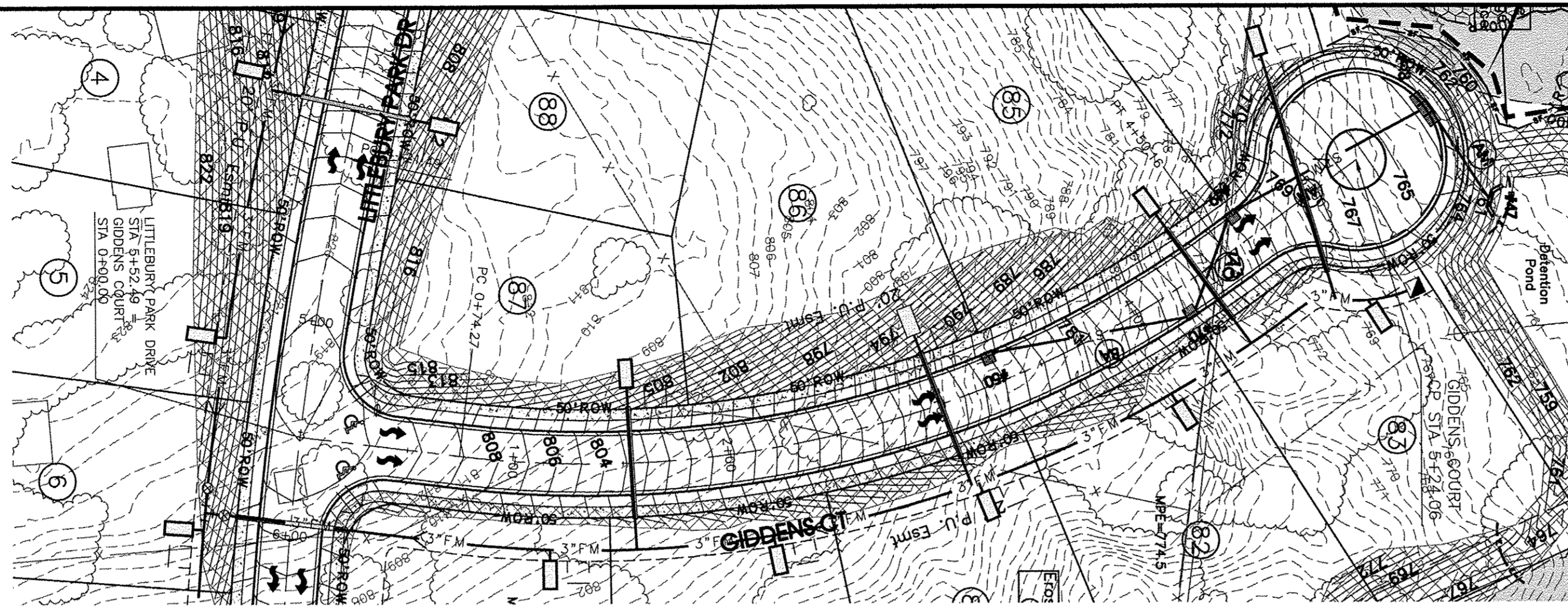


Littlebury Subdivision
 Thompson Station, Tennessee

REVISIONS: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224.LittleberryPrelim
 SCALE: 1"=50' HORIZ
 1"=5' VERT
 JOB NO. 17224
 SHEET: C5.1

Continuation on C5.0

Plot Style: S.E.C. Standard Monocolor Plot Date: 12/20/2018 2:46 PM User: CADTECH4



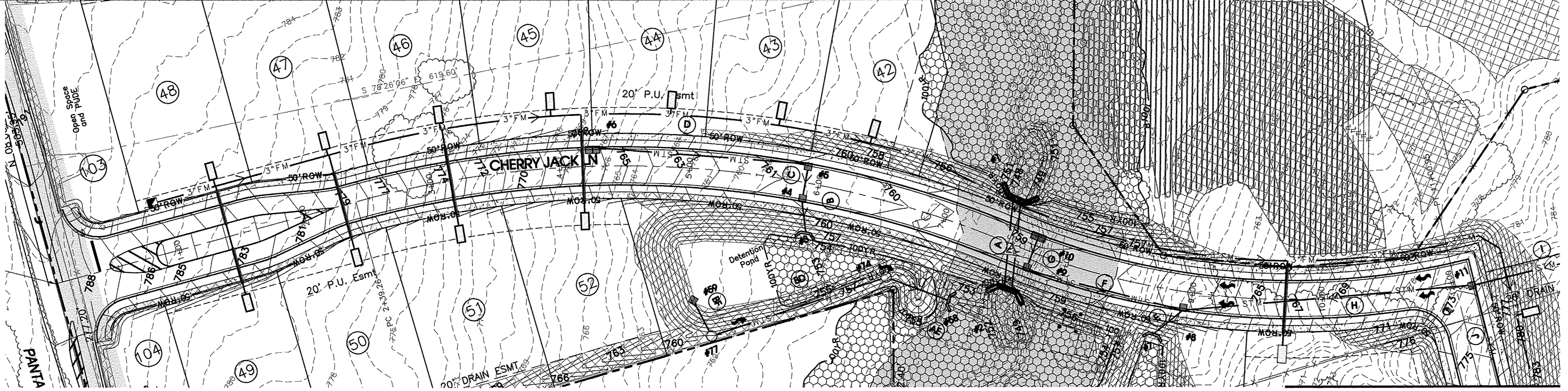
Legend:			
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊞	EXIST. CATCH BASIN (STORM SEWER)	⊞	WHEEL STOP
⊞	EXIST. WATER/GAS VALVE	⊞	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	⊞	EXTRUDED CURB
⊞	EXIST. GAS RISER	⊞	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	➔	TRAFFIC ARROW
⊞	EXIST. WATER METER	➔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	1	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊞	BLOW OFF VALVE	⊞	RIP RAP
⊞	REDUCER	➔	RUNOFF FLOW ARROW
⊞	REMOTE FIRE DEPT. CONNECTION	⊞	INLET FILTER PROTECTION
⊞	CONCRETE THRUST BLOCK	63.25 x	PROPOSED SPOT ELEVATION
⊞	DOUBLE DETECTOR CHECK VALVE	(63.25) x	EXIST. SPOT ELEVATION
⊞	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊞	FIRE HYDRANT	⊞	CATCH BASIN
⊞	GATE VALVE & BOX	⊞	CURB INLET
⊞	WATER METER	⊞	AREA DRAIN
⊞	GAS METER	⊞	HEADWALL
⊞	GREASE TRAP	⊞	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊞	CONCRETE SWALE
○	MANHOLE	⊞	TYPE- X- HEADWALL
—	EXISTING PHONE	—	PH
—	EXISTING ELECTRIC	—	OH
—	PROPERTY LINE	—	
—	EASEMENTS	—	
—	RIGHT OF WAY	—	50' ROW
—	EROSION CONTROL SILT FENCE	—	SF SF
—	EROSION EEL	—	E E E
—	EXISTING TREELINE	—	
—	EXISTING FENCELINE	—	X X
—	MINIMUM BUILDING SETBACK LINE	—	MBSL
—	PHASE BOUNDARY	—	
—	EXISTING GAS LINE	—	GAS
—	PROPOSED GAS LINE	—	GAS
—	EXISTING STORM	—	STM
—	PROPOSED STORM	—	STM
—	EXISTING CONTOUR LINES	—	601
—	PROPOSED CONTOUR LINES	—	601
—	EXISTING SANITARY SEWER	—	SS SS
—	PROPOSED SANITARY SEWER	—	SS SS
—	EXISTING WATER	—	W W
—	PROPOSED WATER	—	W W

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 SITE ENGINEERING CONSULTANTS
 ENGINEERING • SURVEYING • LAND PLANNING
 LANDSCAPE ARCHITECTURE
 850 MIDDLE TENNESSEE BOULEVARD
 MURFREESBORO, TENNESSEE 37129
 PHONE: (615) 890-7901 E-MAIL: REHOUZE@SEC-CIVIL.COM FAX: (615) 895-2567
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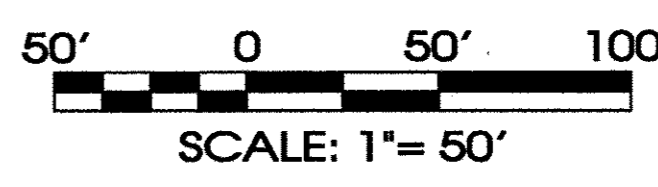
Littleberry Subdivision
 Thompson Station, Tennessee

REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED:
 JFR
 FILE NAME:
 17224LittleberryPrelim
 SCALE:
 1"=50' HORIZ
 1"=5' VERT
 JOB NO.
 17224
 SHEET:
C5.2

Plot Style: S.E.C. Standard Monocote Plot Date: 12/20/2018 2:46 PM User: CADTECH4



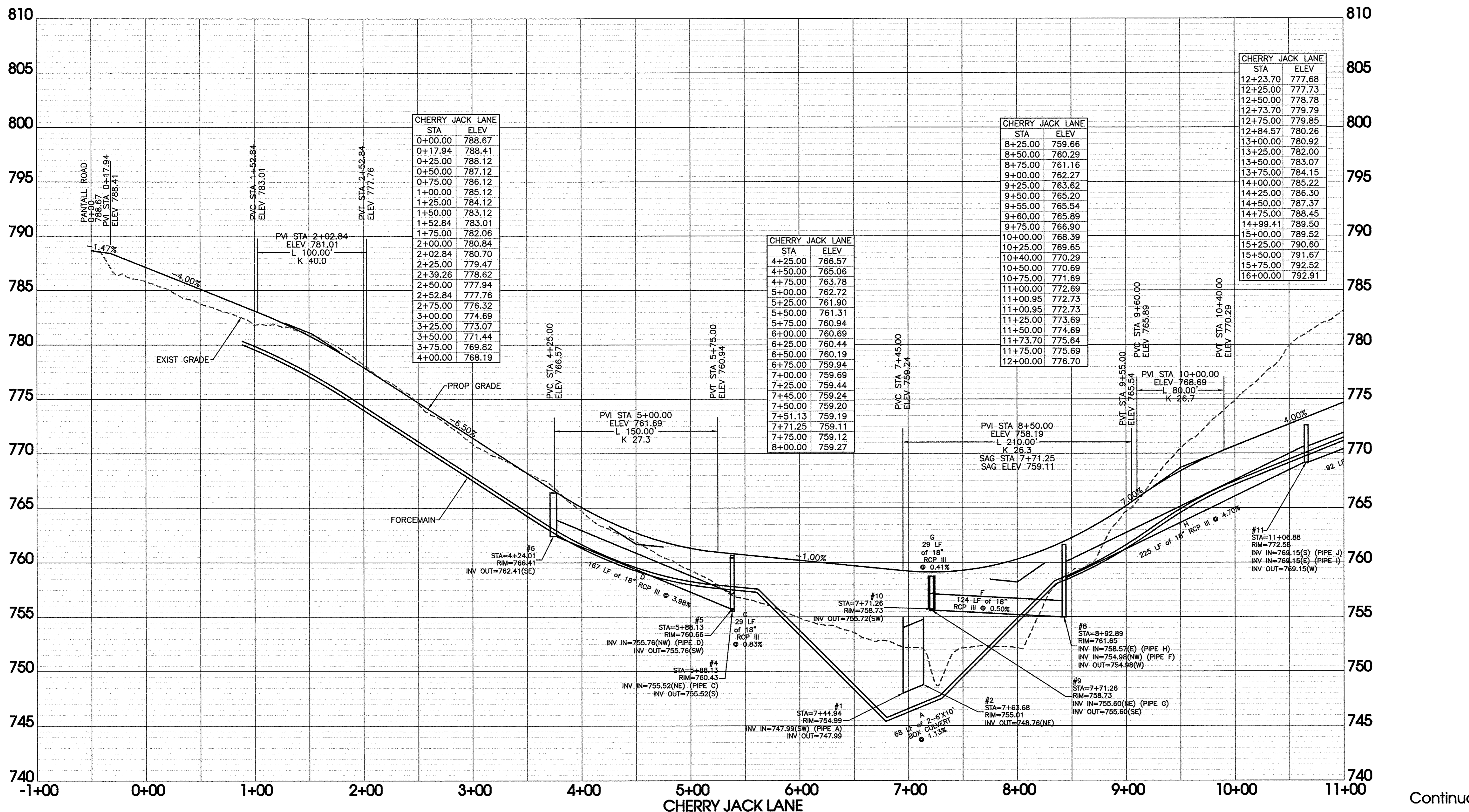
MATCHLINE SHEET C5.4



Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
→	EXIST. SIGN POST	↔	HC SIGN
○	EXIST. SEWER CLEANOUT	→	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊞	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊞	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊞	EXIST. GAS RISER	—	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊞	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	1	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊞	BLOW OFF VALVE	⊞	RIP RAP
⊞	REDUCER	→	RUNOFF FLOW ARROW
⊞	REMOTE FIRE DEPT. CONNECTION	⊞	INLET FILTER PROTECTION
⊞	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊞	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊞	FIRE DEPT. CONNECTION	→	SEWER/STORM FLOW DIRECTION
⊞	FIRE HYDRANT	⊞	CATCH BASIN
⊞	GATE VALVE & BOX	⊞	CURB INLET
⊞	WATER METER	⊞	AREA DRAIN
⊞	GAS METER	⊞	HEADWALL
⊞	GREASE TRAP	⊞	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	⊞	CONCRETE SWALE
○	MANHOLE	⊞	TYPE- X- HEADWALL

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 LANDSCAPE ARCHITECTURE
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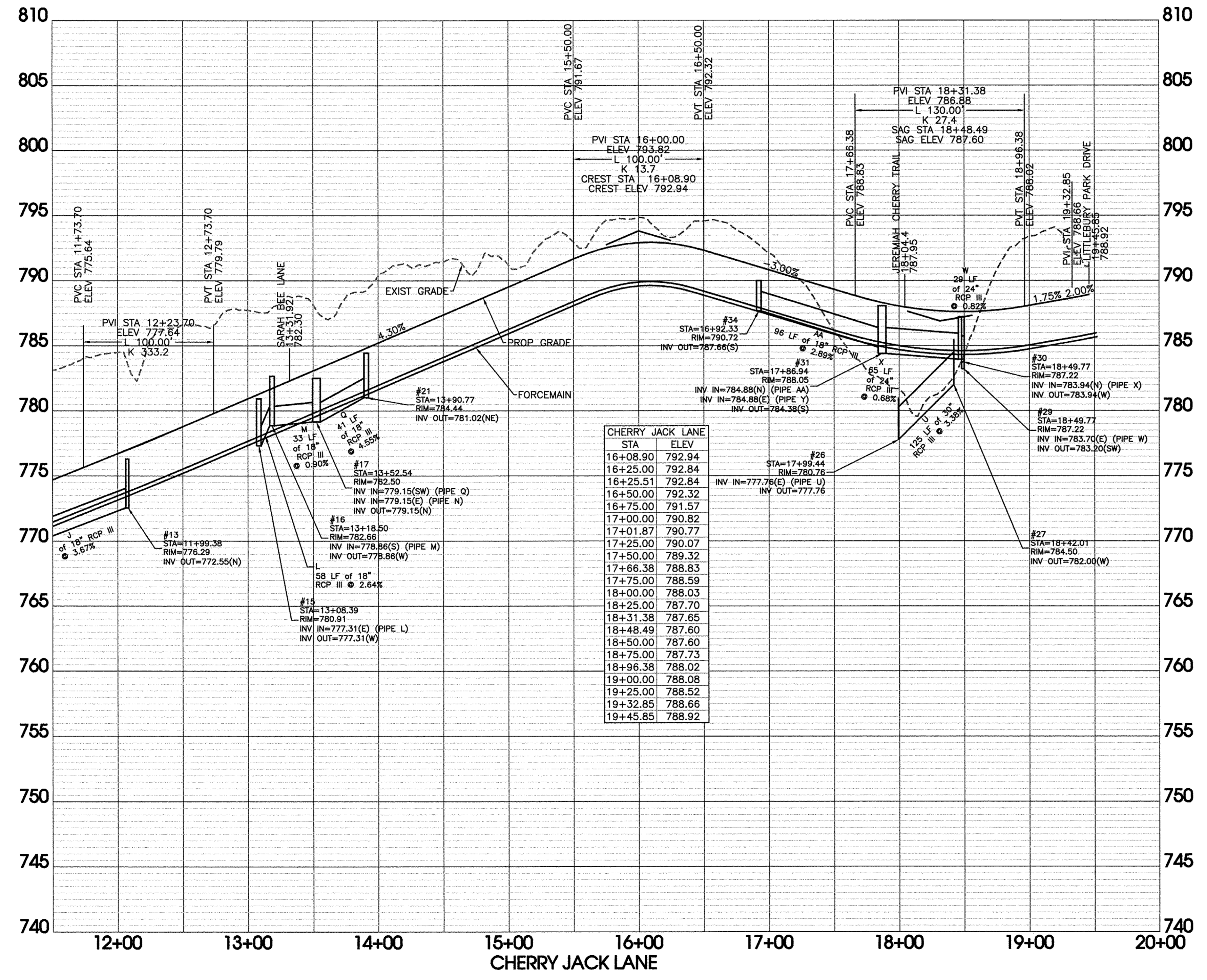
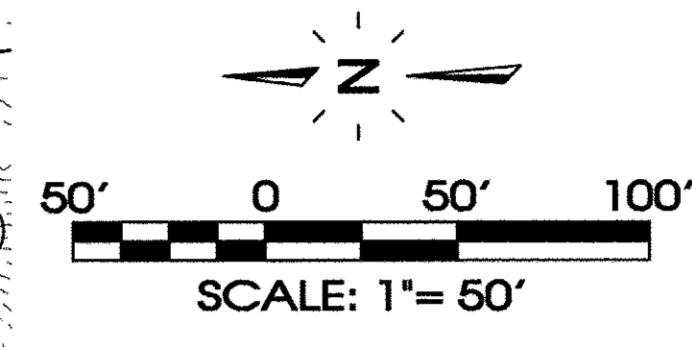
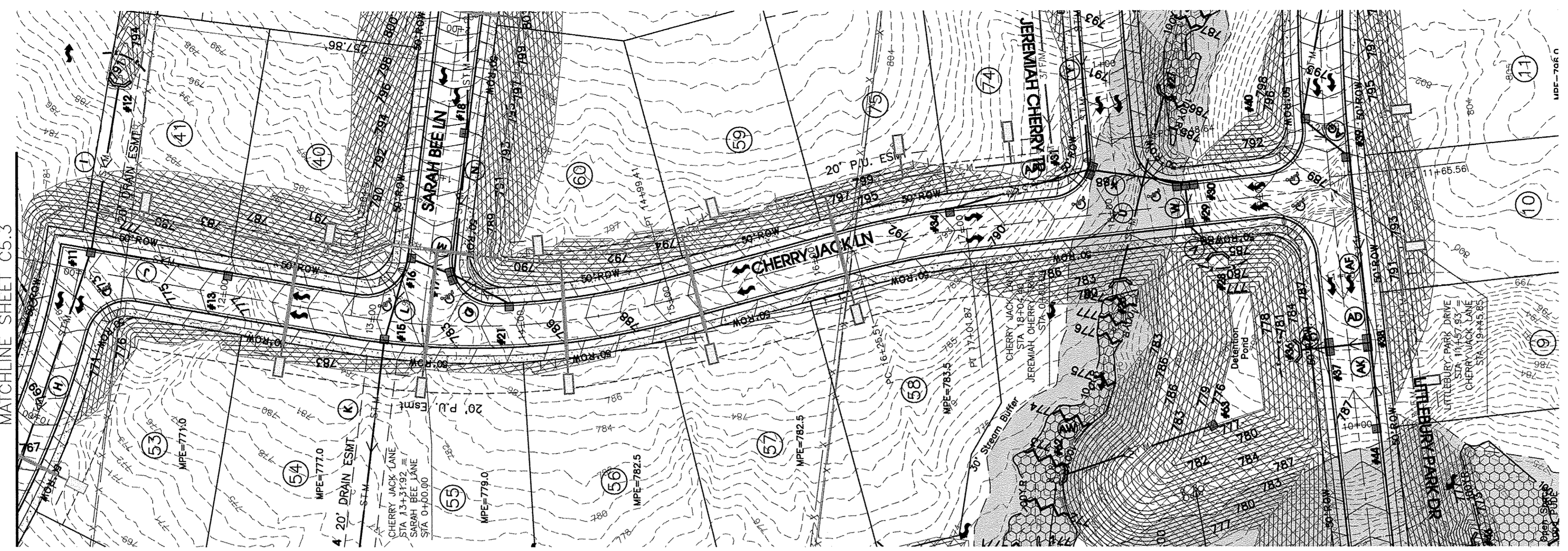
Littleberry Subdivision
 Thompson Station, Tennessee

REVISIONS: 8-30-18 Comments
 9-27-18 Update Layout
 12-1-18 Comments
 DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224:LittleberryPrelim
 SCALE: 1"=50' HORIZ
 1"=5' VERT
 JOB NO. 17224
 SHEET: C5.3

Continuation on C5.4

C5.3

MATCHLINE SHEET C5.3



Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	→	PROPOSED SIGN POST
⊙	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊞	EXIST. CATCH BASIN (STORM SEWER)	⊞	WHEEL STOP
⊞	EXIST. WATER/GAS VALVE	▬	CONCRETE SIDEWALK
⊞	EXIST. TELEPHONE RISER	▬	EXTRUDED CURB
⊞	EXIST. GAS RISER	▬	CURB & GUTTER
⊞	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊞	EXIST. WATER METER	↔	TURN LANE ARROWS
○	EXIST. UTILITY POLE	⚠	REVISION NUMBER
⊞	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊞	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊞	BLOW OFF VALVE	⊞	RIP RAP
⊞	REDUCER	↘	RUNOFF FLOW ARROW
⊞	REMOTE FIRE DEPT. CONNECTION	▬	INLET FILTER PROTECTION
⊞	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊞	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
↘	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊞	FIRE HYDRANT	⊞	CATCH BASIN
⊞	GATE VALVE & BOX	⊞	CURB INLET
⊞	WATER METER	⊞	AREA DRAIN
⊞	GAS METER	⊞	HEADWALL
⊞	GREASE TRAP	⊞	WINGED HEADWALL
○	EXTERIOR CLEANOUT	⊞	CONCRETE SWALE
○	MANHOLE	⊞	TYPE - X - HEADWALL

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	~
EXISTING FENCELINE	-X-X-
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	-601-
PROPOSED CONTOUR LINES	-601-
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

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SITE ENGINEERING CONSULTANTS
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 MURFREESBORO, TENNESSEE 37129
 PHONE: (615) 894-7901 E-MAIL: RH0026@SEC-CIVIL.COM FAX: (615) 895-2567

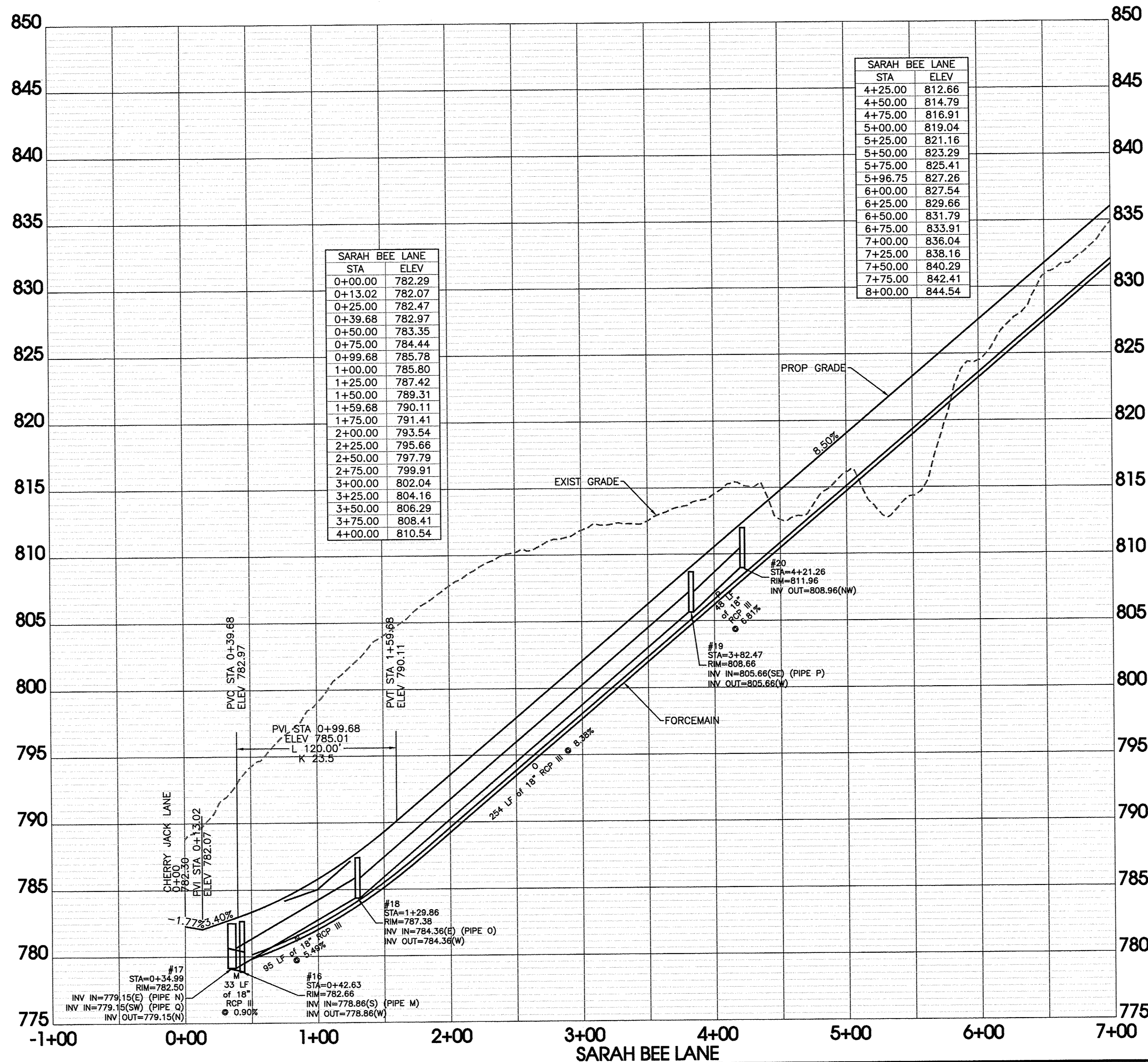
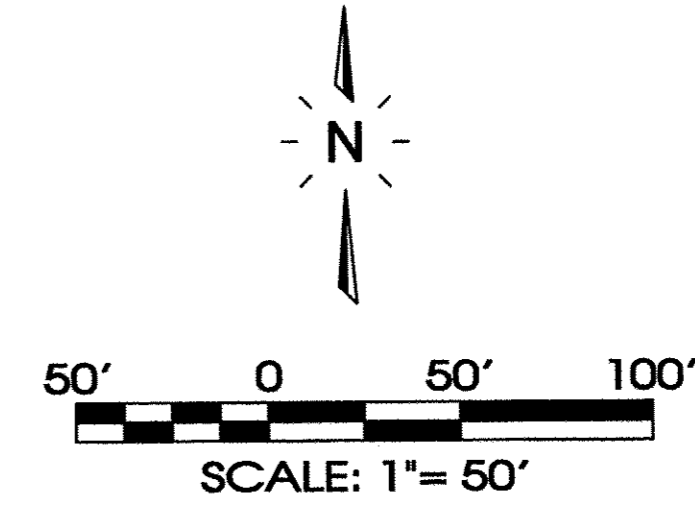
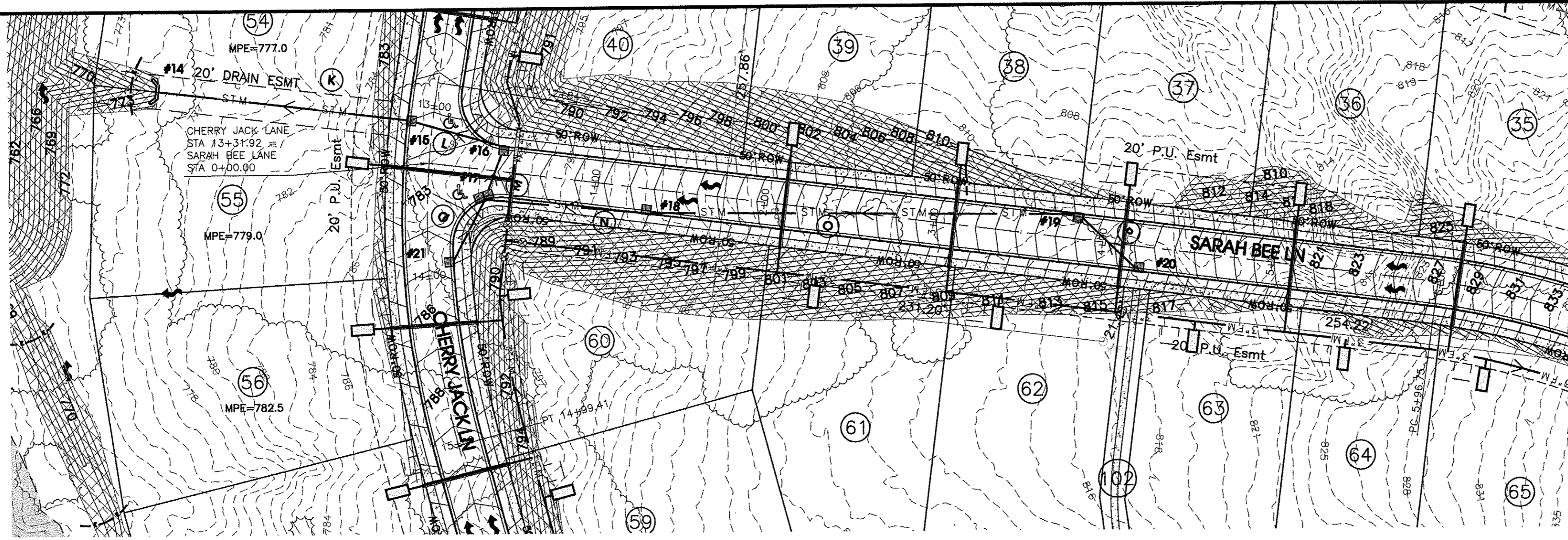
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Littlebury Subdivision
 Thompson Station, Tennessee

REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments

DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleburyPrelim
 SCALE: 1"=50' HORIZ
 1"=5' VERT
 JOB NO. 17224
 SHEET: C5.4



Legend:			
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
⊕	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊕	EXIST. CATCH BASIN (STORM SEWER)	⊕	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	⊕	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	⊕	EXTRUDED CURB
⊕	EXIST. GAS RISER	⊕	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	➔	TRAFFIC ARROW
⊕	EXIST. WATER METER	➔	TURN LANE ARROWS
⊕	EXIST. UTILITY POLE	⊕	REVISION NUMBER
⊕	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊕	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
⊕	REDUCER	➔	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	⊕	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	⊕	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	⊕	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	⊕	CATCH BASIN
⊕	GATE VALVE & BOX	⊕	CURB INLET
⊕	WATER METER	⊕	AREA DRAIN
⊕	GAS METER	⊕	HEADWALL
⊕	GREASE TRAP	⊕	WINGED HEADWALL
⊕	EXTERIOR CLEANOUT EOD	⊕	CONCRETE SWALE
⊕	MANHOLE	⊕	TYPE - X - HEADWALL
⊕	EXISTING PHONE	PH	
⊕	EXISTING ELECTRIC	OH	
⊕	PROPERTY LINE	---	
⊕	EASEMENTS	---	
⊕	RIGHT OF WAY	50' ROW	
⊕	EROSION CONTROL SILT FENCE	SF SF	
⊕	EROSION EEL	E E E	
⊕	EXISTING TREELINE	~	
⊕	EXISTING FENCELINE	X X	
⊕	MINIMUM BUILDING SETBACK LINE	MBSL	
⊕	PHASE BOUNDARY	-----	
⊕	EXISTING GAS LINE	GAS	
⊕	PROPOSED GAS LINE	GAS	
⊕	EXISTING STORM	STM	
⊕	PROPOSED STORM	STM	
⊕	EXISTING CONTOUR LINES	601	
⊕	PROPOSED CONTOUR LINES	601	
⊕	EXISTING SANITARY SEWER	SS SS	
⊕	PROPOSED SANITARY SEWER	SS SS	
⊕	EXISTING WATER	W W	
⊕	PROPOSED WATER	W W	

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 MEMPHIS, TENNESSEE 37129
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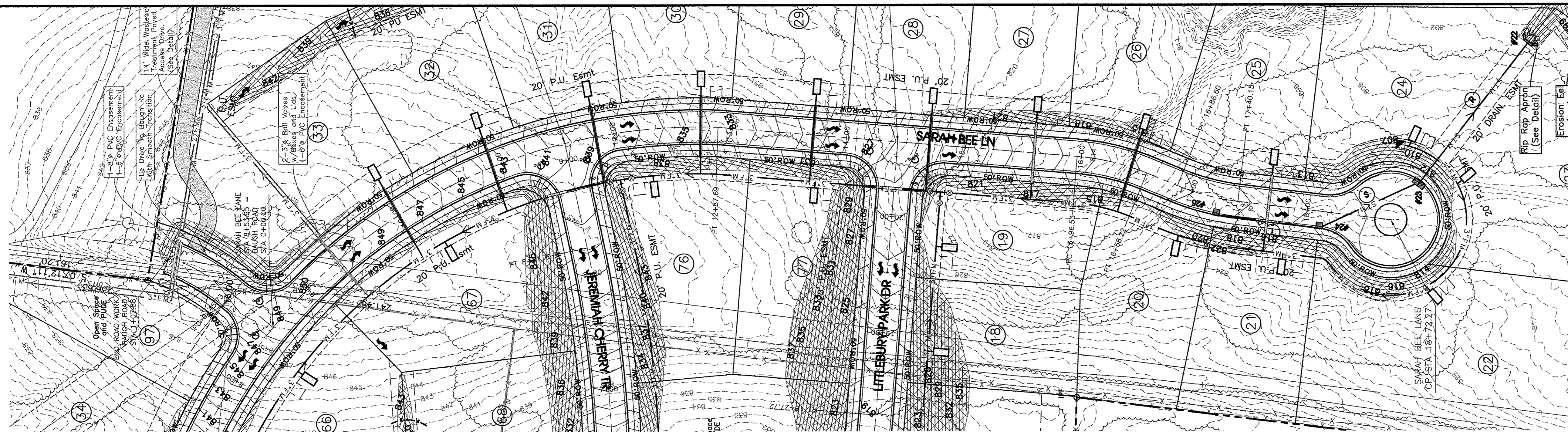
Littleberry Subdivision
 Thompson Station, Tennessee

REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments

DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224\LittleberryPrelim
 SCALE: 1"=50' HORIZ
 1"=5' VERT
 JOB NO. 17224
 SHEET: C5.5

Plot Style: S.E.C. Standard Monocb Plot Date: 12/20/2018 2:46 PM User: CADTECH4

Continuation on C5.6



Legend:

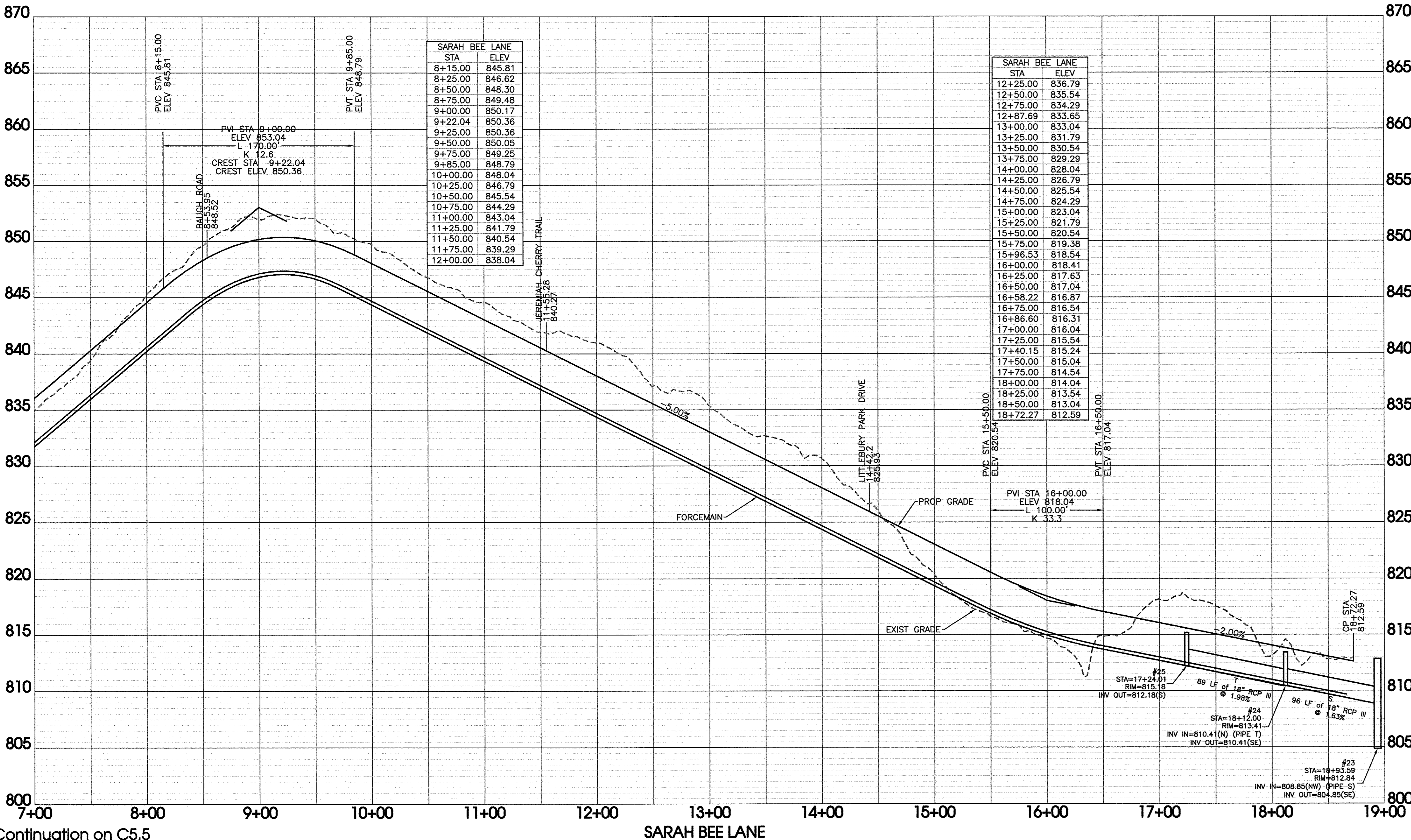
□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
⊕	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊕	EXIST. CATCH BASIN (STORM SEWER)	⊕	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	⊕	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	⊕	EXTRUDED CURB
⊕	EXIST. GAS RISER	⊕	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	⊕	TRAFFIC ARROW
⊕	EXIST. WATER METER	⊕	TURN LANE ARROWS
○	EXIST. UTILITY POLE	⊕	REVISION NUMBER
⊕	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊕	POST INDICATOR VALVE	⊕	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
⊕	REDUCER	⊕	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	⊕	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	⊕	CATCH BASIN
⊕	GATE VALVE & BOX	⊕	CURB INLET
⊕	WATER METER	⊕	AREA DRAIN
⊕	GAS METER	⊕	HEADWALL
⊕	GREASE TRAP	⊕	WINGED HEADWALL
⊕	EXTERIOR CLEANOUT ECO	⊕	CONCRETE SWALE
⊕	MANHOLE	⊕	TYPE- X- HEADWALL

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STATE OF TENNESSEE
 REGISTERED PROFESSIONAL ENGINEER
 R. CHANDR ROUZE
 LICENSE NO. 34001



Littlebury Subdivision
 Thompson Station, Tennessee

Road Plan and Profile

REVISIONS: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments

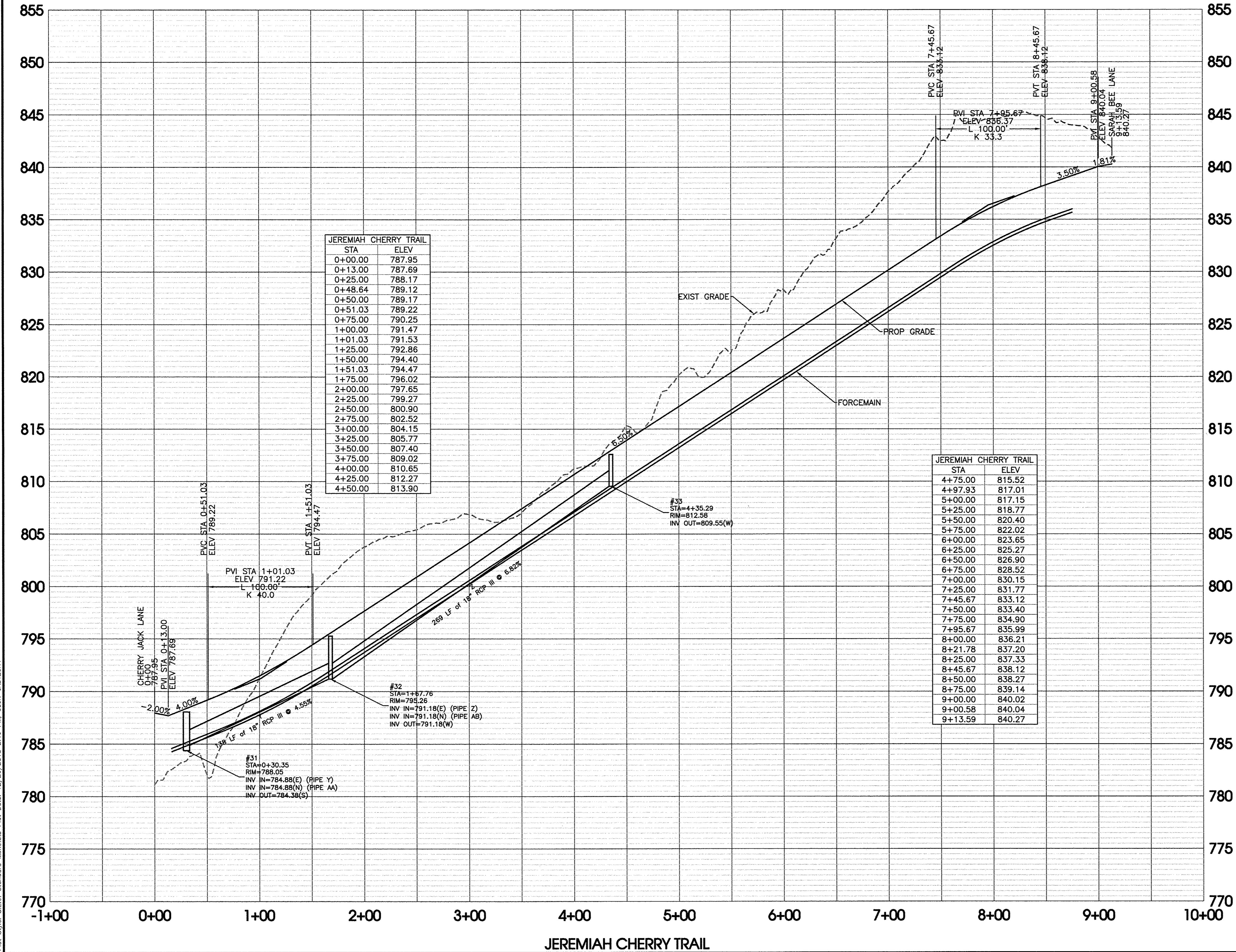
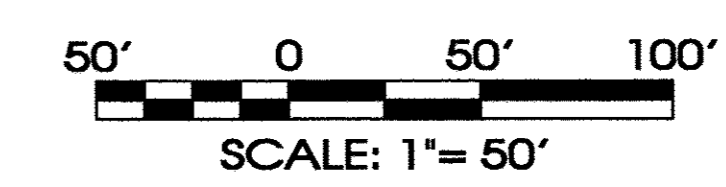
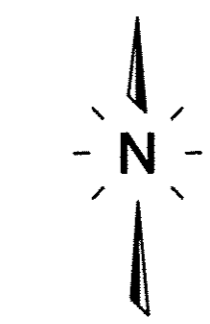
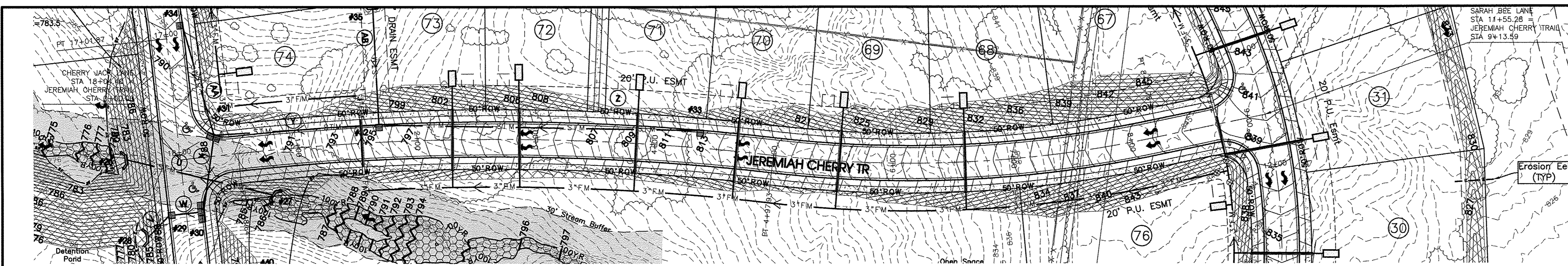
DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleberryPrelim
 SCALE: 1"=50' HORIZ
 1"=5' VERT
 JOB NO. 17224
 SHEET: C5.6

811
 Know what's below.
 Call before you dig.

SCALE: 1" = 50'

Plot Style: S.E.C. Standard Monocolor Plot Date: 12/20/2018 2:46 PM User: CADTECH4

Continuation on C5.1



STA	ELEV
0+00.00	787.95
0+13.00	787.69
0+25.00	788.17
0+48.64	789.12
0+50.00	789.17
0+51.03	789.22
0+75.00	790.25
1+00.00	791.47
1+01.03	791.53
1+25.00	792.86
1+50.00	794.40
1+51.03	794.47
1+75.00	796.02
2+00.00	797.65
2+25.00	799.27
2+50.00	800.90
2+75.00	802.52
3+00.00	804.15
3+25.00	805.77
3+50.00	807.40
3+75.00	809.02
4+00.00	810.65
4+25.00	812.27
4+50.00	813.90

STA	ELEV
4+75.00	815.52
4+97.93	817.01
5+00.00	817.15
5+25.00	818.77
5+50.00	820.40
5+75.00	822.02
6+00.00	823.65
6+25.00	825.27
6+50.00	826.90
6+75.00	828.52
7+00.00	830.15
7+25.00	831.77
7+45.67	833.12
7+50.00	833.40
7+75.00	834.90
7+95.67	835.99
8+00.00	836.21
8+21.78	837.20
8+25.00	837.33
8+45.67	838.12
8+50.00	838.27
8+75.00	839.14
9+00.00	840.02
9+00.58	840.04
9+13.59	840.27

Legend:		
□	EXIST. CONCRETE MONUMENT	BENCHMARK
●	IRON PIN SET (I.P.S.)	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A. VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	HC SIGN
○	EXIST. SEWER CLEANOUT	PROPOSED SIGN POST
○	EXIST. MANHOLE (SEWER & PHONE)	CONCRETE BOLLARD
□	EXIST. CATCH BASIN (STORM SEWER)	WHEEL STOP
□	EXIST. WATER/GAS VALVE	CONCRETE SIDEWALK
□	EXIST. TELEPHONE RISER	EXTRUDED CURB
□	EXIST. GAS RISER	CURB & GUTTER
□	ELECTRICAL ENCLOSURE	TRAFFIC ARROW
⊗	EXIST. WATER METER	TURN LANE ARROWS
○	EXIST. UTILITY POLE	REVISION NUMBER
○	EXIST. FIRE HYDRANT	#1 DRAINAGE STRUCTURE DESIGNATION
○	POST INDICATOR VALVE	DRAINAGE PIPE DESIGNATION
□	BLOW OFF VALVE	RIP RAP
□	REDUCER	RUNOFF FLOW ARROW
○	REMOTE FIRE DEPT. CONNECTION	INLET FILTER PROTECTION
□	CONCRETE THRUST BLOCK	63.25 PROPOSED SPOT ELEVATION
□	DOUBLE DETECTOR CHECK VALVE	(63.25) EXIST. SPOT ELEVATION
+	FIRE DEPT. CONNECTION	SEWER/STORM FLOW DIRECTION
○	FIRE HYDRANT	CATCH BASIN
○	GATE VALVE & BOX	CURB INLET
□	WATER METER	AREA DRAIN
□	GAS METER	HEADWALL
□	GREASE TRAP	WINGED HEADWALL
○	EXTERIOR CLEANOUT ECO	CONCRETE SWALE
○	MANHOLE	TYPE- X- HEADWALL
—	EXISTING PHONE	PH
—	EXISTING ELECTRIC	OH
—	PROPERTY LINE	
—	EASEMENTS	
—	RIGHT OF WAY	50' ROW
—	EROSION CONTROL SILT FENCE	SF SF
—	EROSION EEL	E E E
—	EXISTING TREELINE	
—	EXISTING FENCELINE	X X
—	MINIMUM BUILDING SETBACK LINE	MBSL
—	PHASE BOUNDARY	
—	EXISTING GAS LINE	GAS
—	PROPOSED GAS LINE	GAS
—	EXISTING STORM	STM
—	PROPOSED STORM	STM
—	EXISTING CONTOUR LINES	601
—	PROPOSED CONTOUR LINES	601
—	EXISTING SANITARY SEWER	SS SS
—	PROPOSED SANITARY SEWER	SS SS
—	EXISTING WATER	W W
—	PROPOSED WATER	W W

SITE ENGINEERING CONSULTANTS
ENGINEERING · SURVEYING · LAND PLANNING
SEC, Inc.
LANDSCAPE ARCHITECTURE

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MURFREESBORO, TENNESSEE 37129
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Littlebury Subdivision
Thompson Station, Tennessee

REVISED: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments

DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleburyPrelim

SCALE: 1"=50' HORIZ
1"=5' VERT

JOB NO. 17224
SHEET: C5.7

Plot Style: S.E.C. Standard Monocolor Plot Date: 12/20/2018 2:46 PM User: CADTECH4

Grading and Drainage Notes:

- The site work contractor shall coordinate the installation of all underground utilities with his work. All underground utilities (water, sanitary sewer, storm sewer, electrical conduit, irrigation sleeves, and any other miscellaneous underground utilities, devices, or structures), shall be in-place prior to the placement of base course material.
- The contractor shall cut existing pavement as necessary to assure a smooth fit and continuous grade.
- The contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes and all utilities prior to construction.
- Clearing and grubbing limits shall include all areas disturbed by grading operation.
- Any graded or disturbed areas shall have 4 inches of topsoil, seed, mulch, fertilizer and water applied until a healthy stand of grass is obtained. The restoration shall closely follow construction.
- A Portion of this site lies within zone X PAE a 100 Year Flood Plain per F.E.M.A. Map No. 47187C0390F dated Sept. 29, 2006.
- All cut/fill slopes and drainage swales shall be stabilized to the satisfaction of the Williamson County Engineering Department. If stabilization is not achieved by seeding or sodding, then more stringent measures such as erosion control fabric, permanent turf reinforcement matting or concrete lining shall be used.
- Contact the Williamson County Engineering Department at 615-790-5809 to request permits to perform work within the public right-of-way.
- Any improvements or modifications within the public right-of-way require the approval of the Thompson Station Public Works.

Erosion Control Notes:

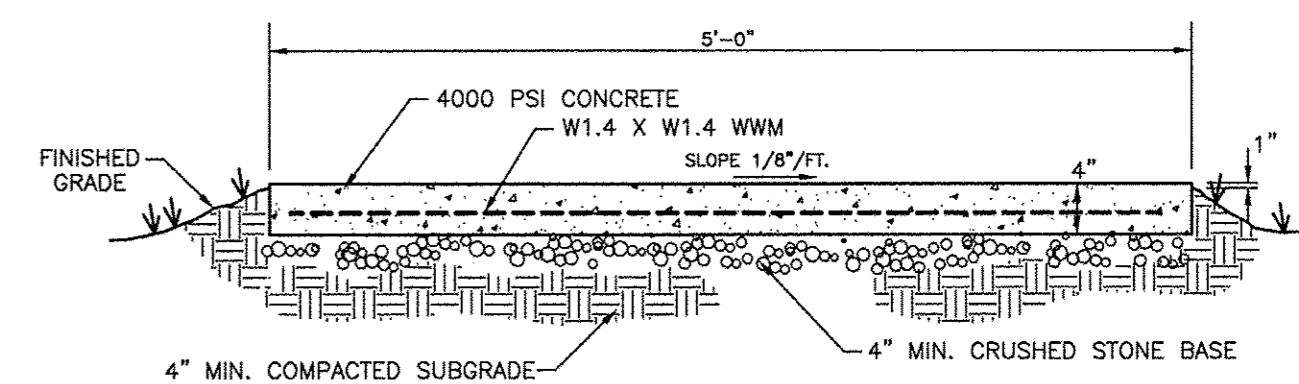
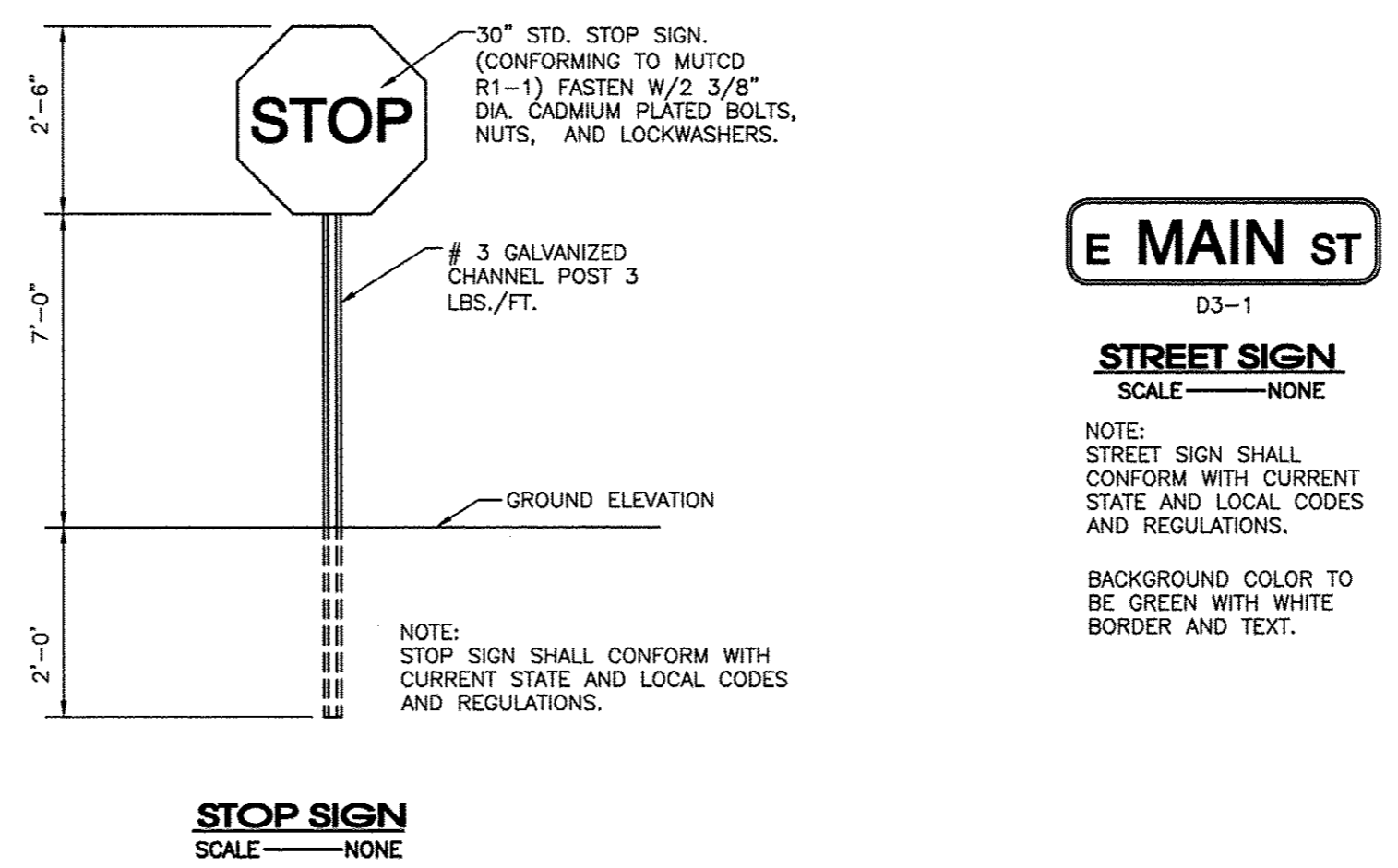
- The site contractor is responsible for establishing and maintaining suitable erosion and sediment control devices on-site during construction as required to prevent silt from leaving site. Silt will not be allowed beyond construction limits.
- The contractor is responsible for removing silt from site if not reusable on-site and assuring plan alignment and grade in all ditches at completion of construction.
- The contractor is responsible for cleaning out all storm drainage structures, including flumes, pipes, etc., prior to completion of this project.
- Erosion control shall be provided for all cut and fill operations within the limits of the construction site, throughout the construction period to provide the site with maximum protection from erosion at all times.
- Erosion control measures are to be installed prior to any grading on-site and are to be maintained in place until stabilization of erodible soils has been accomplished.

General Utility Notes:

- Existing utility lines shown are approximate locations only. The contractor shall field verify all existing utility line locations prior to any construction. Any deviations from the design locations shall be reported to the owner or engineer prior to beginning construction.
- The contractor will provide all necessary protective measures to safeguard existing utilities from damage during construction of this project. In the event that special equipment is required to work over and around the utilities, the contractor will be required to furnish such equipment. The cost of protecting utilities from damage and furnishing special equipment will be included in the price bid for other items of construction.
- The contractor shall notify each individual utility owner of his plan of operation in the area of the utilities, prior to commencing work, the contractor shall contact the utility owners and request them to properly locate their respective utility on the ground. This notification shall be given at least three (3) business days prior to commencement of operations around the utility.
- The contractor shall refer to engineer's plans and specifications for actual location of all utility entrances to include sanitary sewer laterals, domestic water, and electrical service. This contractor shall coordinate installation of utilities in such a manner as to avoid conflicts and assure proper depths are achieved as well as coordinating with the regulatory agency as to location and scheduling of tie-ins/connections to their facilities.
- All underground utilities (water, sewer, storm sewer, electrical conduit, irrigation sleeves, and any other miscellaneous), shall be in-place prior to the placement of base course material.
- Location of site utilities shall be verified with proper utility company providing service.
- In Tennessee it is a requirement per "the underground utility damage prevention act" that anyone who engages in excavation must notify all known utility owners, no less than three nor more than ten working days, prior to their intended excavation. A list of these utility owners may be obtained from the county register of deeds those utility owners who participate in the Tennessee one call system can be notified toll free at 1-800-351-1111.

Site Notes:

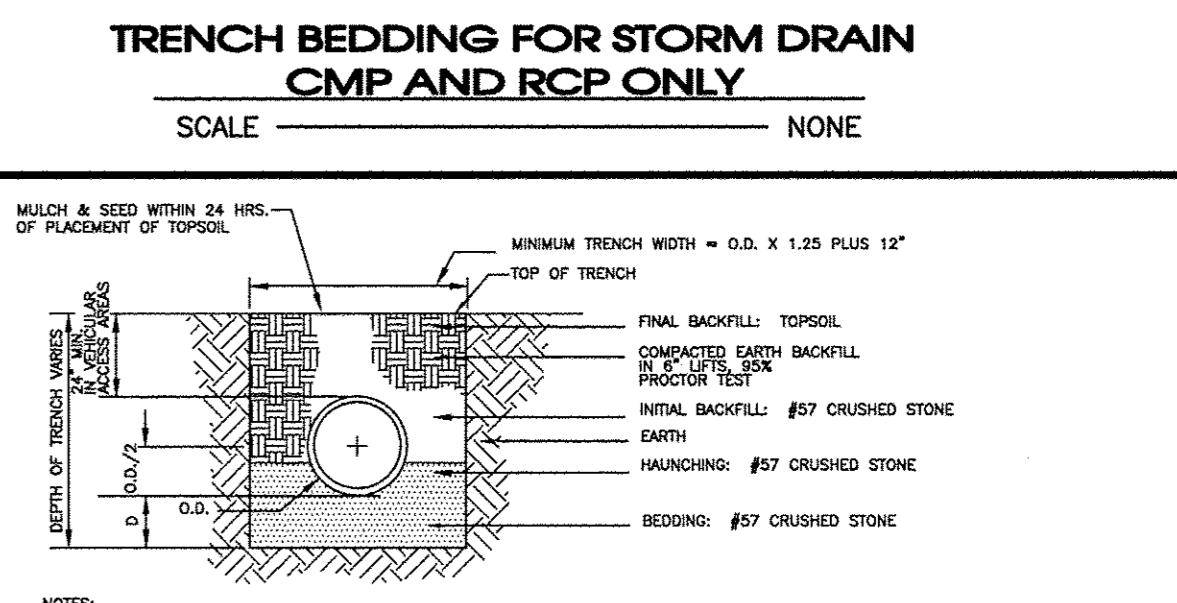
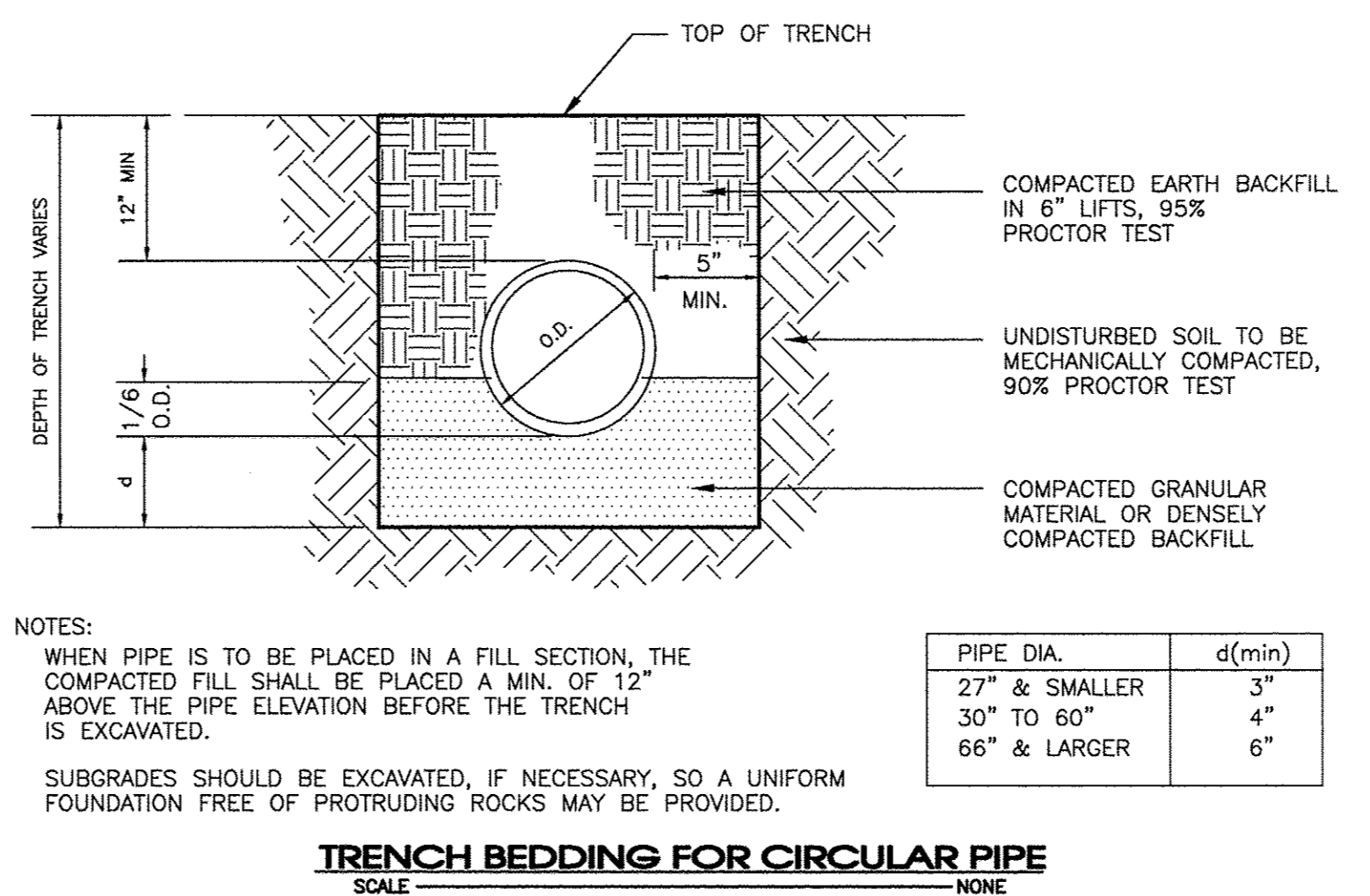
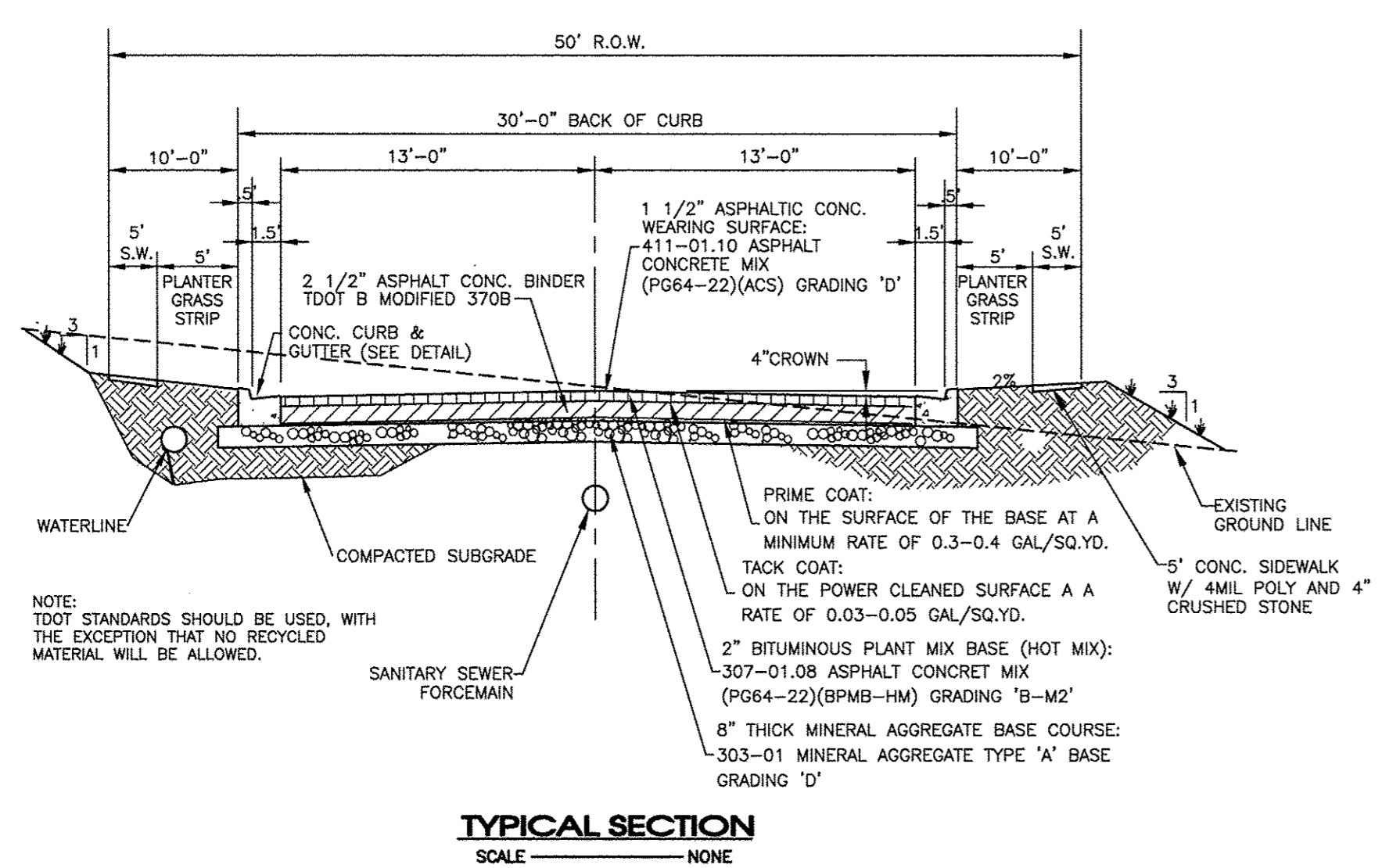
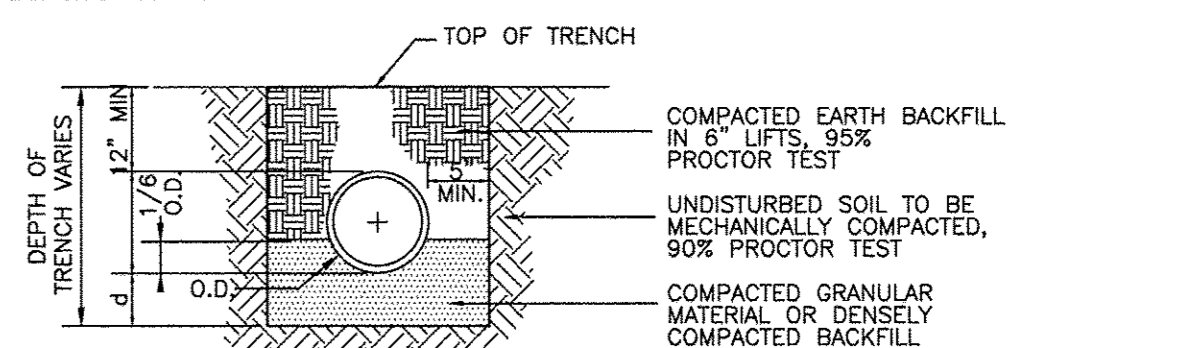
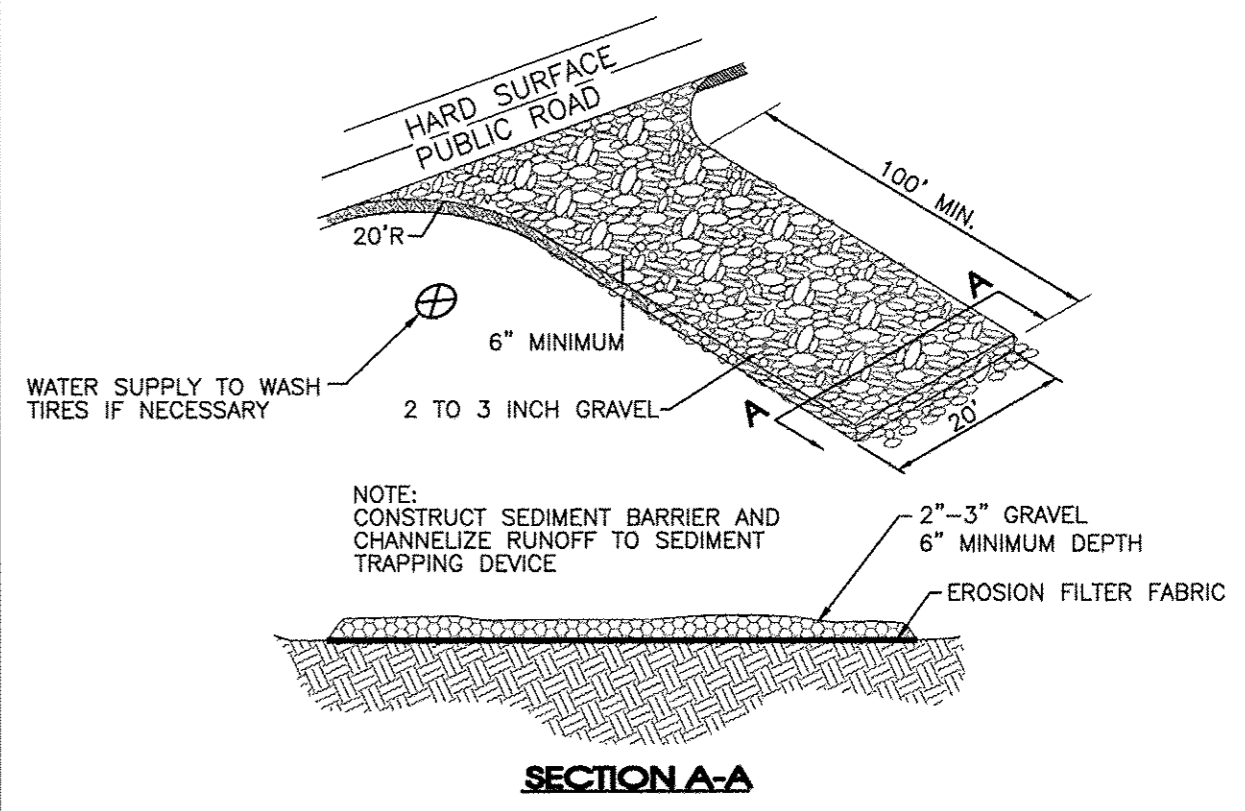
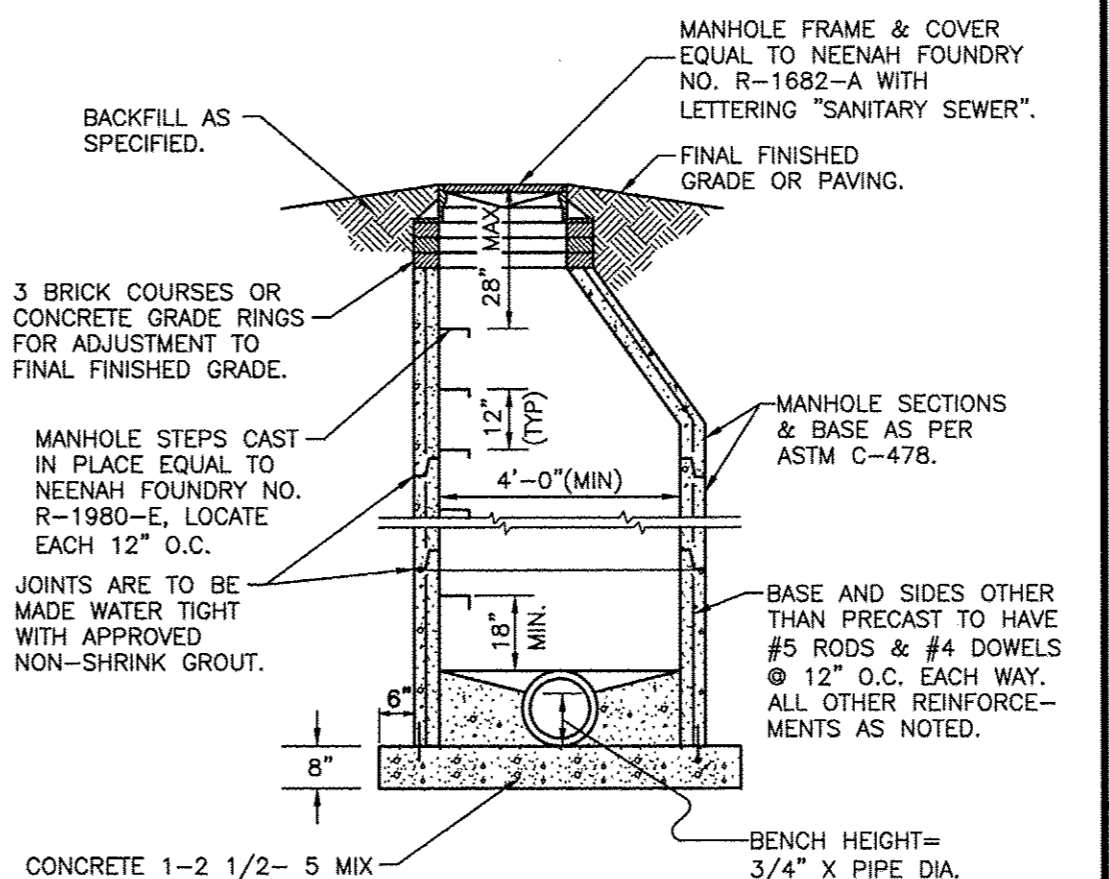
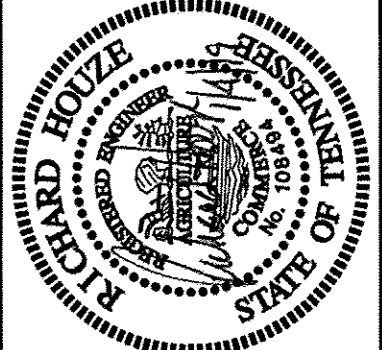
- Contractor shall immediately notify the engineer of any discrepancies found between these plans, and/or field conditions prior to construction.
- Apparent errors, discrepancies, or omissions on the drawing shall be brought to the attention of the owner prior to bid submittal. The contractor may not use apparent errors, discrepancies, or omissions present on the drawings presented for bidding to make additional charges after bids have been submitted. The architect shall be permitted to make corrections and interpretations as may be deemed necessary for the fulfillment of the intent of the contract documents.
- The contractor shall stake all improvements using the geometric data provided in the drawings. It is the sole responsibility of the contractor to completely stake and check all improvements to ensure adequate positioning, both horizontal and vertical, prior to the installation of any improvements. No digital file will be provided.
- The notes and plans shown call attention to certain required features of the construction but do not claim to cover all details of design and construction. The contractor shall furnish and install the work complete and ready for operation.
- After completion of construction, the contractor shall perform site cleanup to remove all trash, debris, excess materials, equipment, and other deleterious materials associated with construction. The contractor is expressly responsible for ensuring the site is clean and in operable condition at the time of final acceptance.
- The contractor is responsible for the protection and replacement of all property pins on this site.
- These drawings are intended for use on this site only and as an integrated set for this specific project. These drawings may not be used in whole or in part on any other project under the professional engineer's seal. The owner shall hold harmless and indemnify the architect and engineer from and against any and all claims of any nature whatsoever arising from such use.
- Existing conditions and topo shown herein are taken from an aerial survey by Continental Aerial Surveying.
- A separate R.O.W. Excavation Permit issued from Thompson Station shall be required for any excavation or construction in the public R.O.W.



- NOTES:
- Provide 1/2" EXP. JT. BETWEEN ALL FIXED OBJECTS AND WALK.
 - PROVIDE CONTRACTION JOINTS EVERY 5' AND EXTEND AT LEAST 1/3 OF DEPTH OF SLAB.
 - PROVIDE EXP. JOINTS (1/2") AT INTERSECTIONS OF DIFFERENT WALKS AND EVERY 25' O.C. ON STRAIGHT RUNS.
 - TALK TO INSPECT SIDEWALK PRIOR TO POURING CONCRETE.
 - NO POLY PLASTIC WILL BE USED IN SIDEWALKS.

SEC, Inc.
SITE ENGINEERING CONSULTANTS
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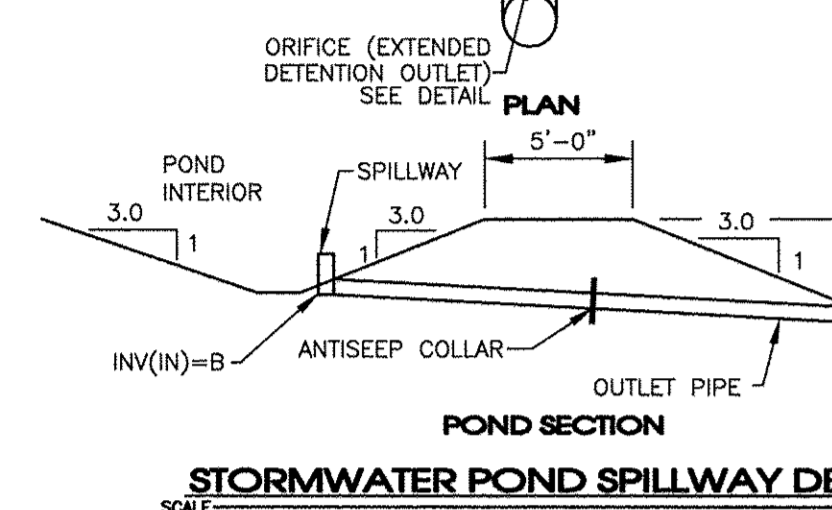
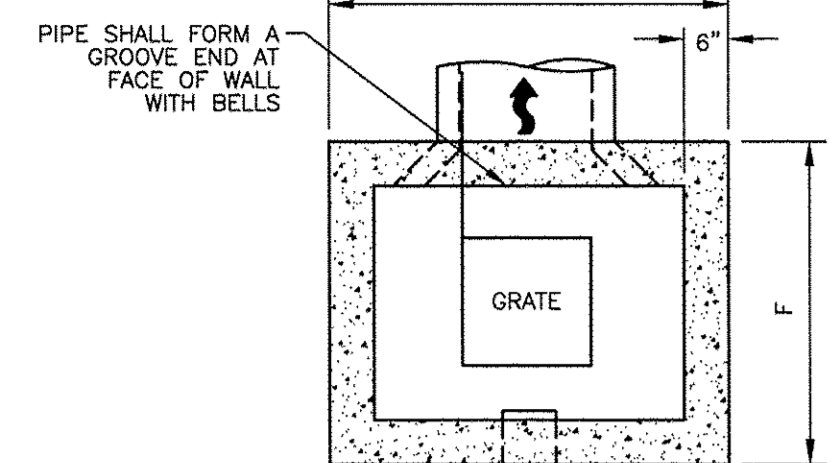


REVISIONS:

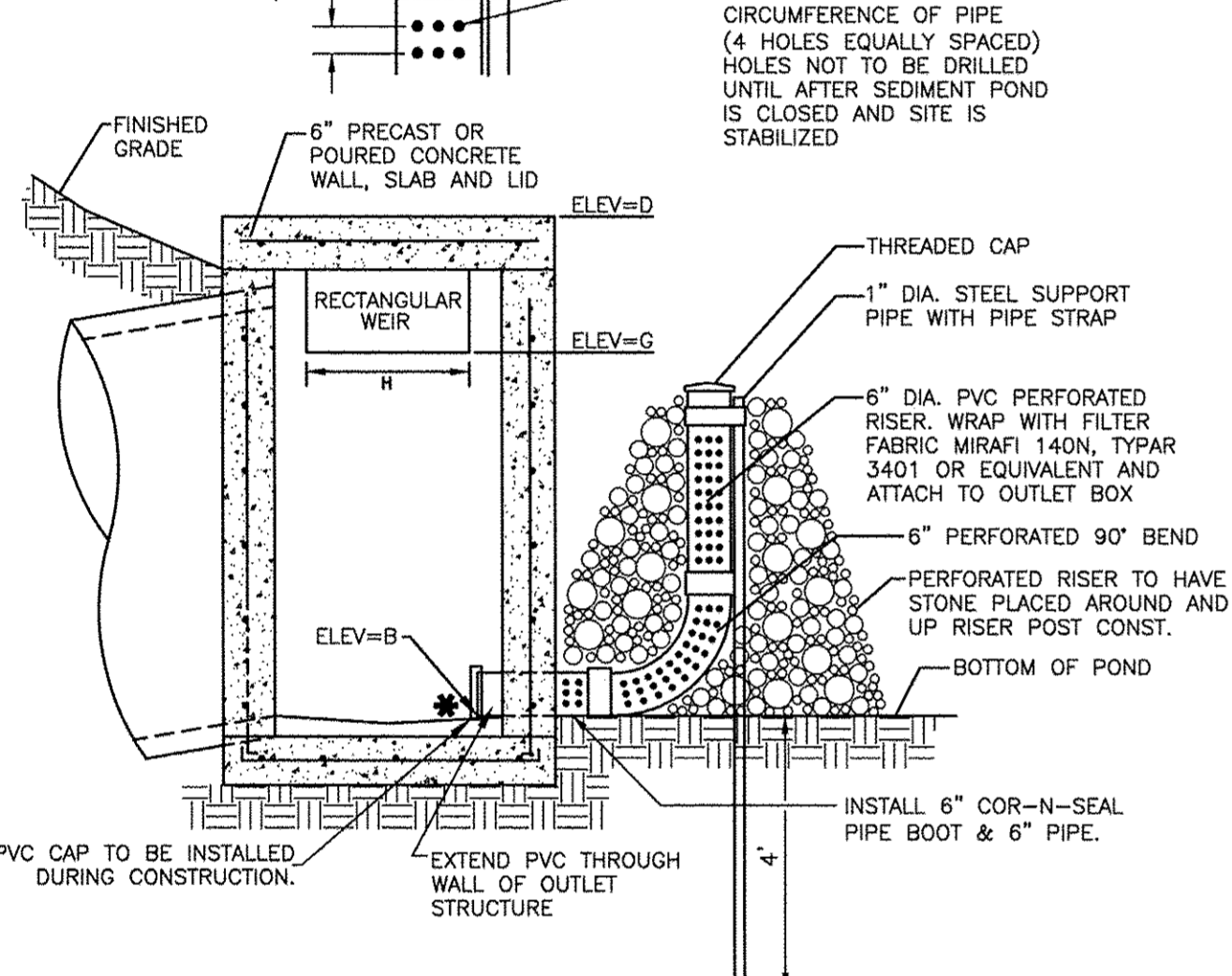
- 8-30-18 Comments
- 9-27-18 Update Layout
- 12-11-18 Comments

DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleberryPrelim
SCALE: NTS
JOB NO. 17224
SHEET: C6.0

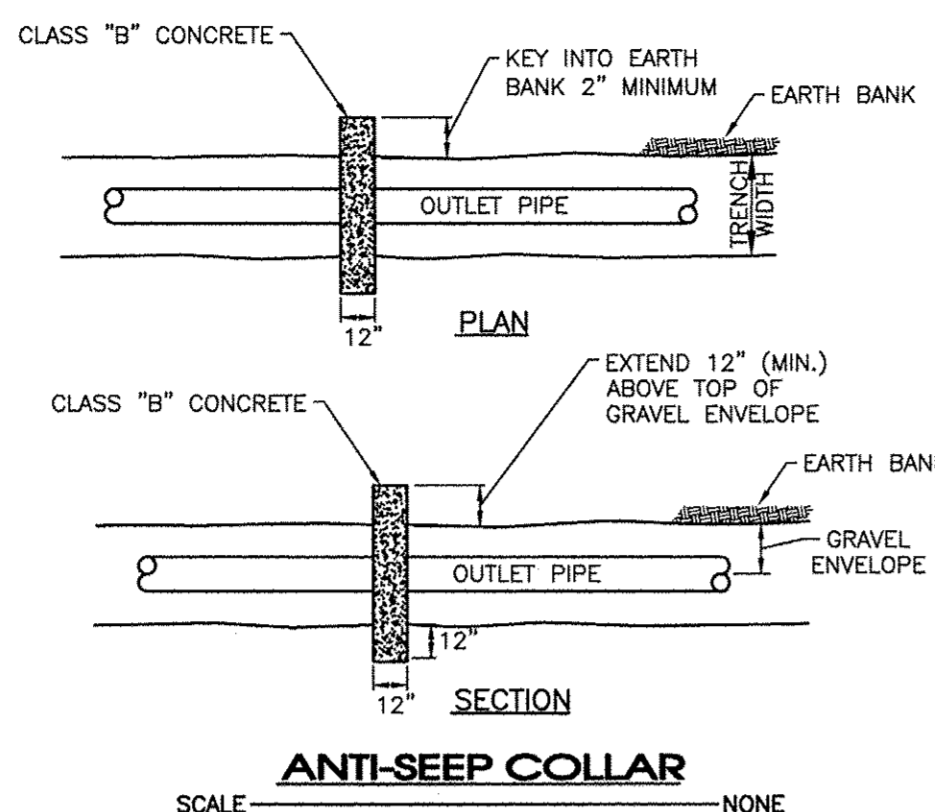
	ELEVATIONS								OUTLET PIPE			ORIFICE SIZE
	A	B	C	D	E	F	G	H	SIZE	LENGTH	SLOPE	
POND 1	757.00	752.50	751.22	756.50	4'	4'	755.00	3'	12"	SEE PLAN	1.00%	3"
POND 2	758.00	753.00	752.58	757.50	5'	5'	756.00	4'-2 SIDES	18"	42'	1.00%	3"
POND 3	787.00	775.00	774.06	785.00	4'	4'	782.75	1.5'	12"	102'	0.92%	3"
POND 4	760.00	756.00	755.75	759.50	4'	4'	758.00	2'	15"	25'	1.00%	1"
POND 5	767.00	761.00	760.50	766.50	3'	3'	765.50	1'	15"	50'	1.00%	1/2"
POND 6	800.00	795.00	794.49	799.50	4'	4'	798.00	3'	18"	103'	0.50%	2"



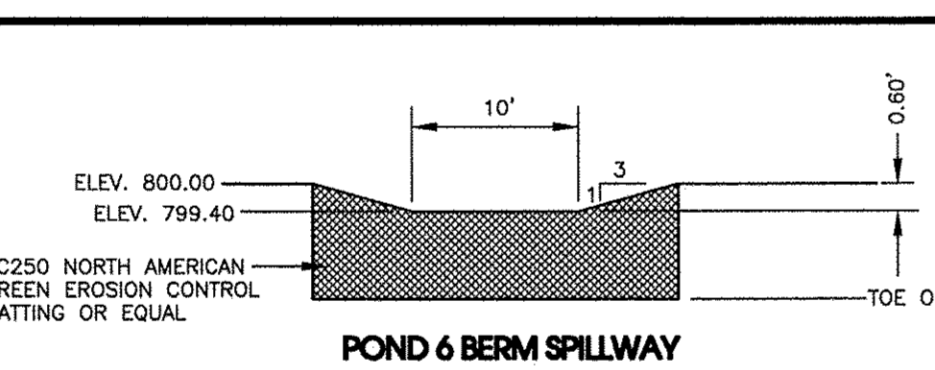
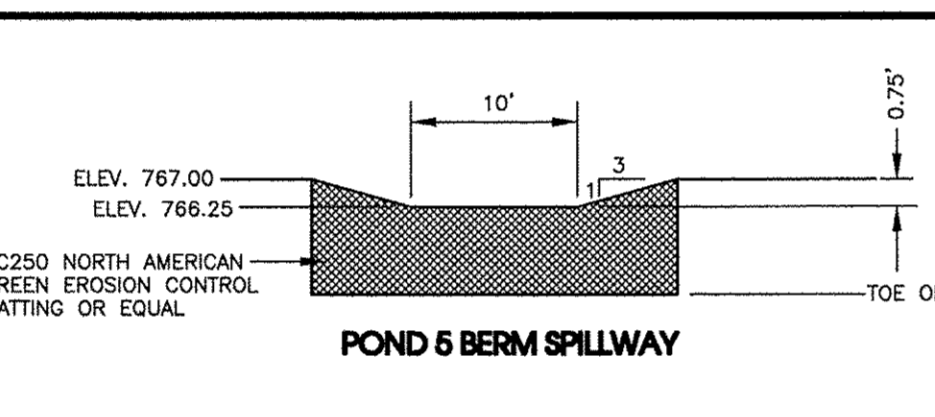
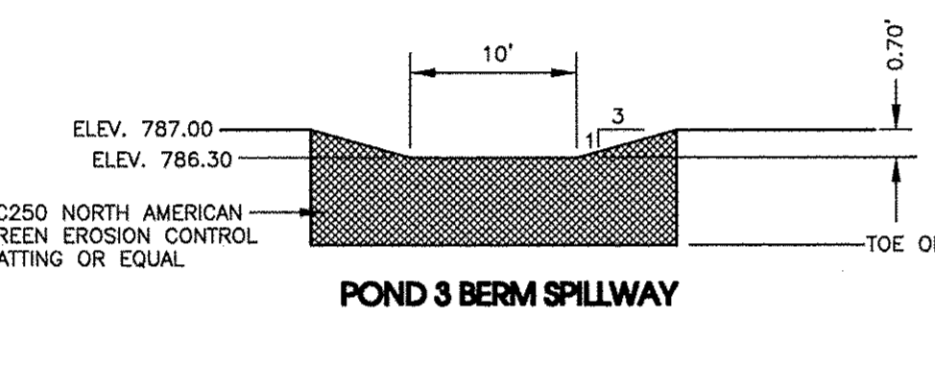
STORMWATER POND SPILLWAY DETAIL
SCALE: NONE



DETENTION POND OUTLET STRUCTURE
SCALE: NONE

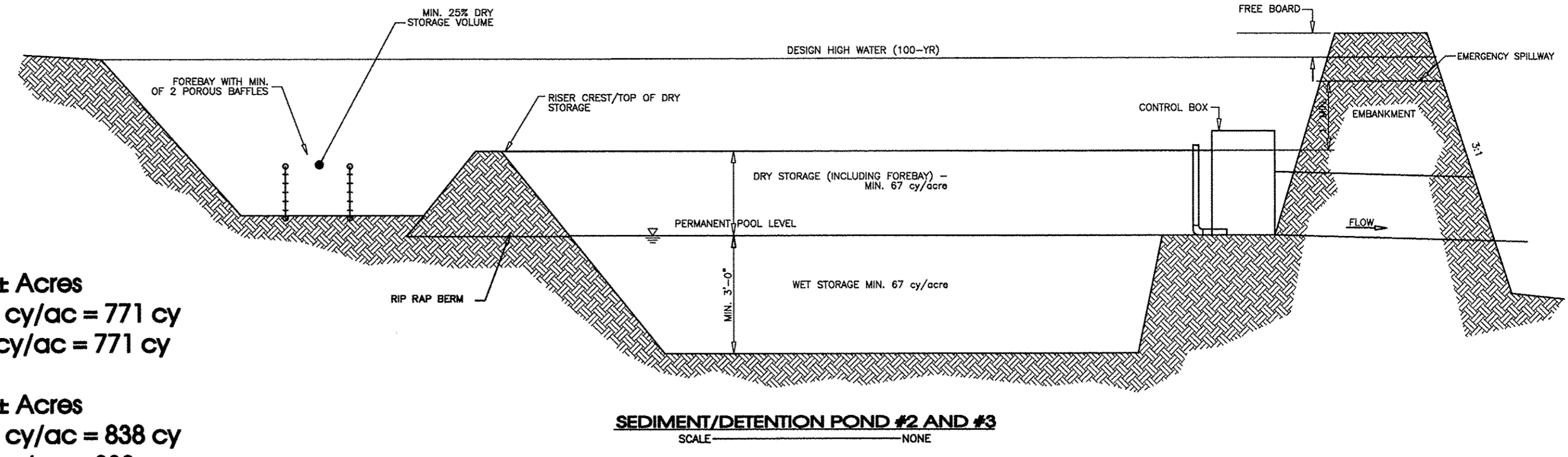


ANTI-SEEP COLLAR
SCALE: NONE

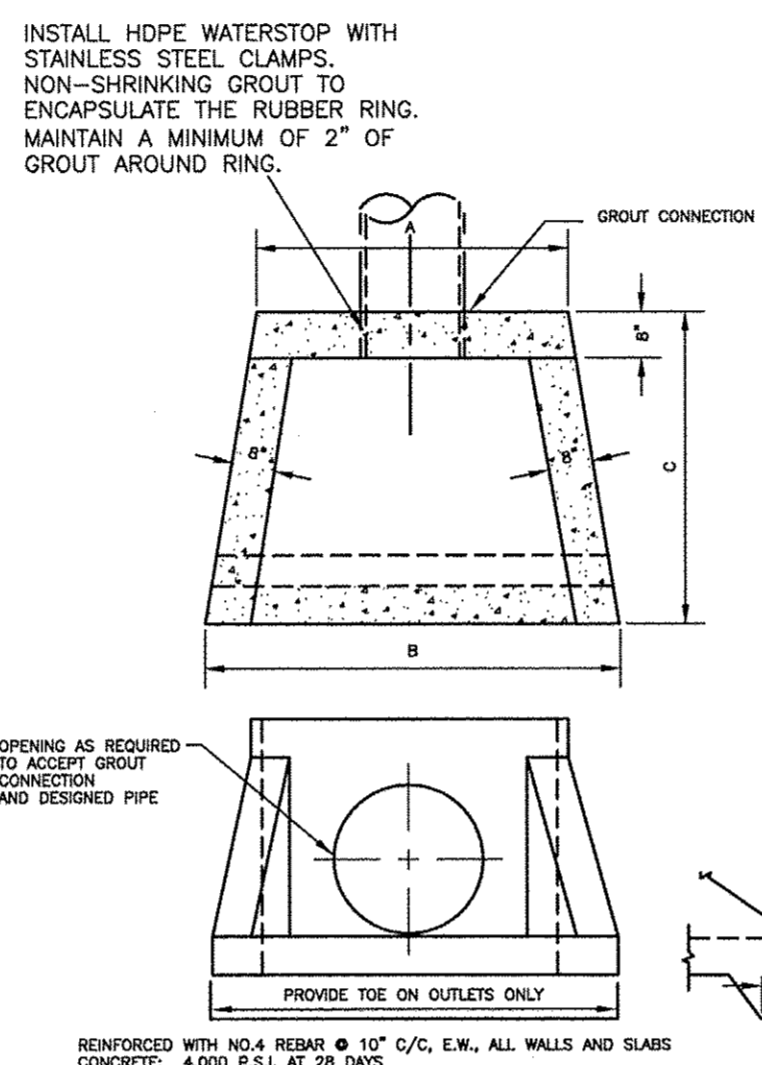


Pond #2
Drainage Area = 11.5± Acres
Wet Storage 11.5 x 67 cy/ac = 771 cy
Dry Storage 11.5 x 67 cy/ac = 771 cy

Pond #3
Drainage Area = 12.5± Acres
Wet Storage 12.5 x 67 cy/ac = 838 cy
Dry Storage 12.5 x 67 cy/ac = 838 cy

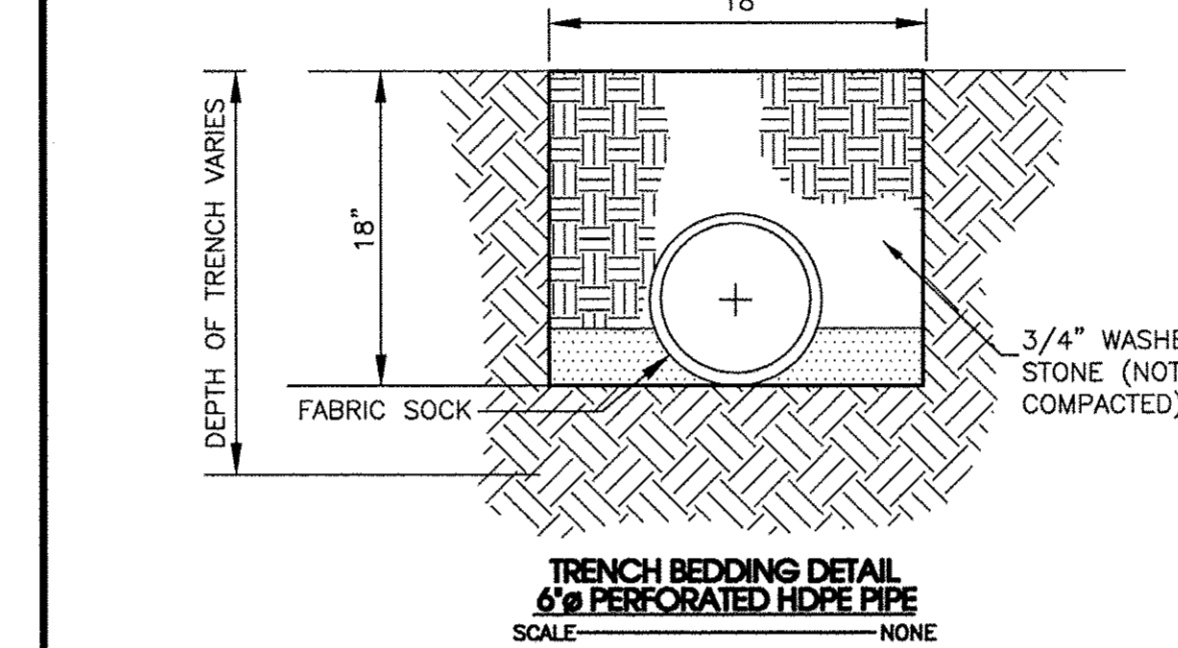


SEDIMENT/DETENTION POND #2 AND #3
SCALE: NONE



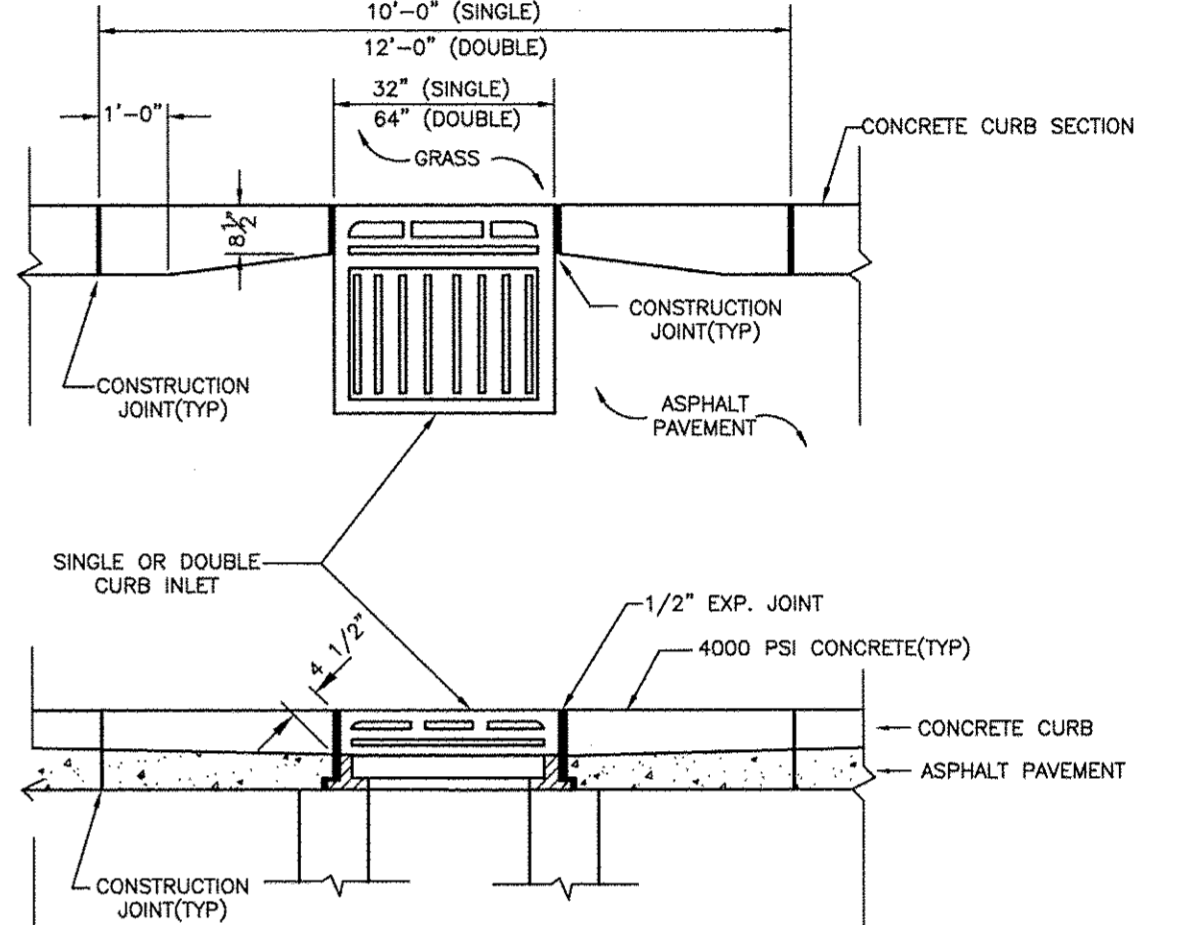
WINGED HEADWALL
SCALE: NONE

PIPE SIZE	A	B	C
24" O.D. MAX.	48"	72"	44"
30" O.D. MAX.	72"	96"	50"
36" O.D. MAX.	96"	120"	56"

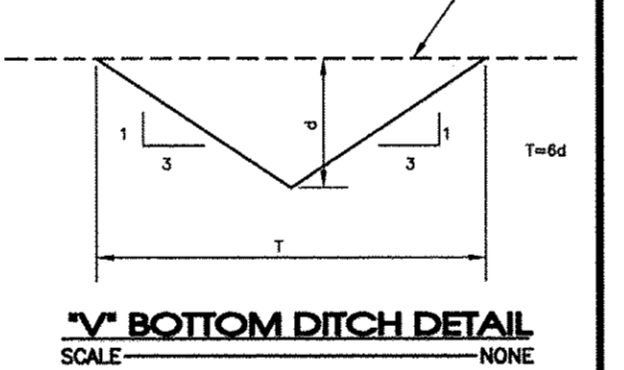


TRENCH BEDDING DETAIL 6\"/>

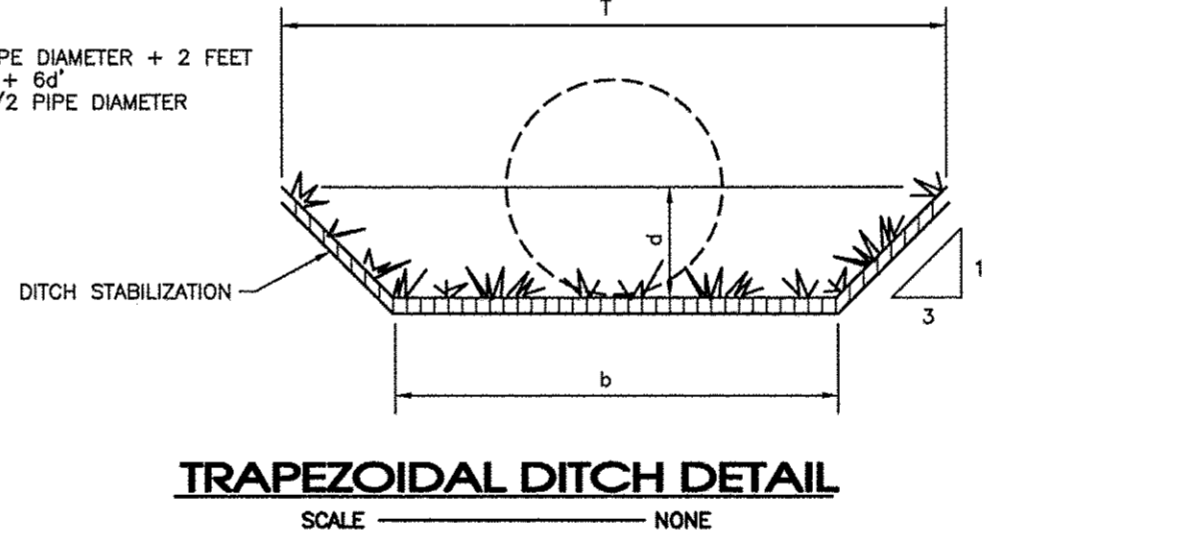
- NOTES:**
- THE NOTATION "HDPE" SHOWN ON THESE SHEETS AND ELSEWHERE IN THESE PLANS REFERS TO HIGH DENSITY POLYETHYLENE PIPE WITH AN INTEGRALLY FORMED SMOOTH INTERIOR AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC. (ADS), COLUMBUS, OHIO, AND DESIGNATED N-12, OR APPROVED EQUAL.
 - THE NOMINAL SIZE FOR THE PIPE AND FITTINGS IS BASED ON THE NOMINAL INSIDE DIAMETER OF THE PIPE.
 - THE PIPE AND FITTINGS SHALL BE FREE OF FOREIGN INCLUSIONS AND VISIBLE DEFECTS. FITTINGS MAY BE EITHER MOLDED OR FABRICATED. FITTINGS SUPPLIED BY THE MANUFACTURER OTHER THAN THE SUPPLIER OF THE PIPE SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE PROJECT ENGINEER. THE ENDS OF THE PIPE SHALL BE CUT SQUARELY AND CLEANLY SO AS NOT TO ADVERSELY AFFECT JOINTING.
 - JOINTS SHALL BE MADE WITH SPLIT COUPLINGS, CORRUGATED TO ENGAGE THE PIPE CORRUGATIONS, AND SHALL ENGAGE A MIN. OF 4 CORRUGATIONS, 2 ON EACH SIDE OF THE PIPE JOINT.
 - ALL SECTIONS OF HDPE PIPE SHALL BE PERFORATED BY THE MANUFACTURER PRIOR TO DELIVERY OR INSTALLATION. PERFORATION SHALL BE PLACED AT SIX (6) UNIFORMLY SPACED LOCATIONS ALONG THE CIRCUMFERENCE OF THE PIPE.
 - REQUIREMENTS FOR INSTALLATION OF HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL BE AS DESCRIBED IN ASTM: D2321.
 - FABRIC SOCK TO BE INSTALLED OVER ENTIRE LENGTH OF 23" PERFORATED PIPE



CURB TRANSITION AT INLET
SCALE: NONE



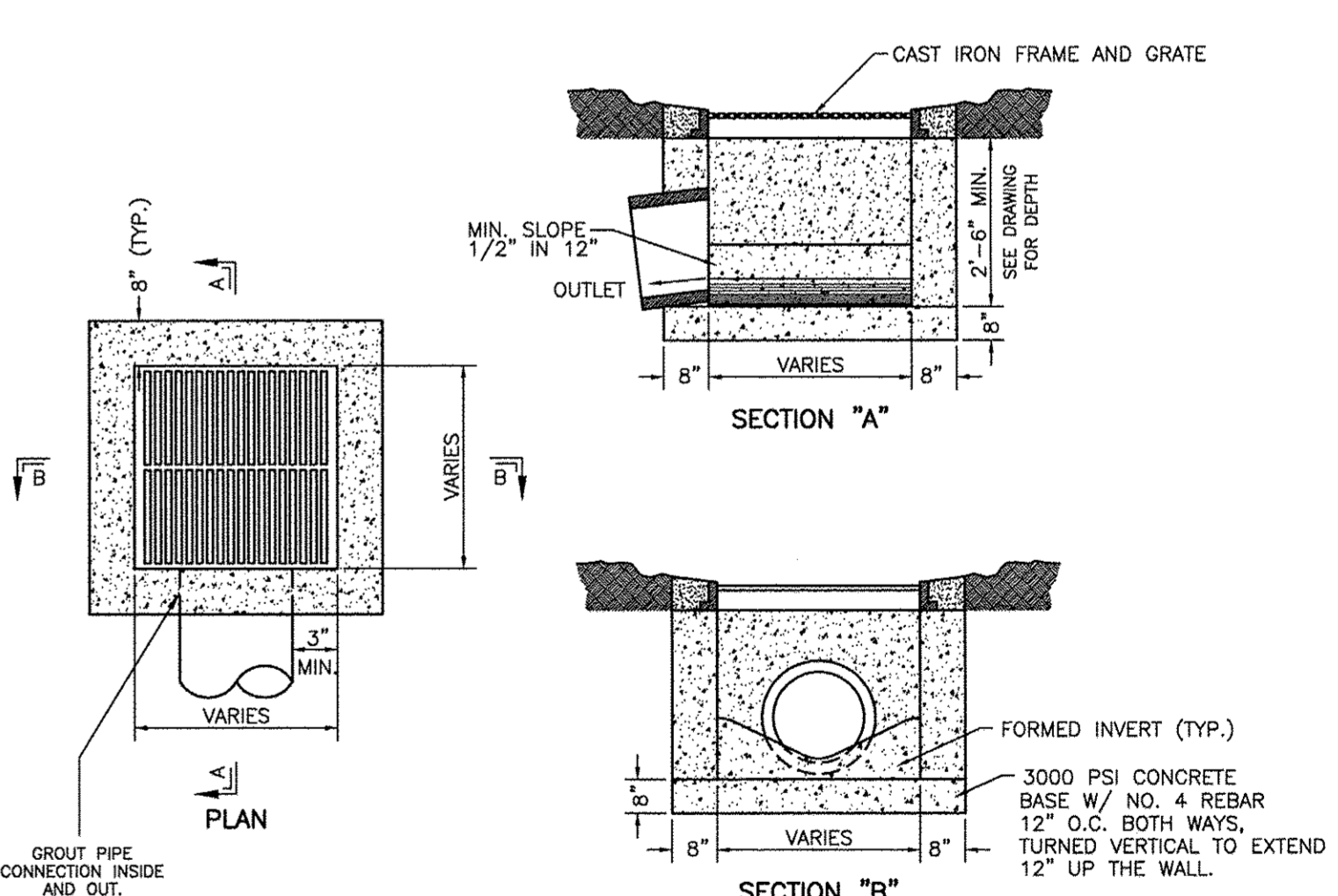
V-BOTTOM DITCH DETAIL
SCALE: NONE



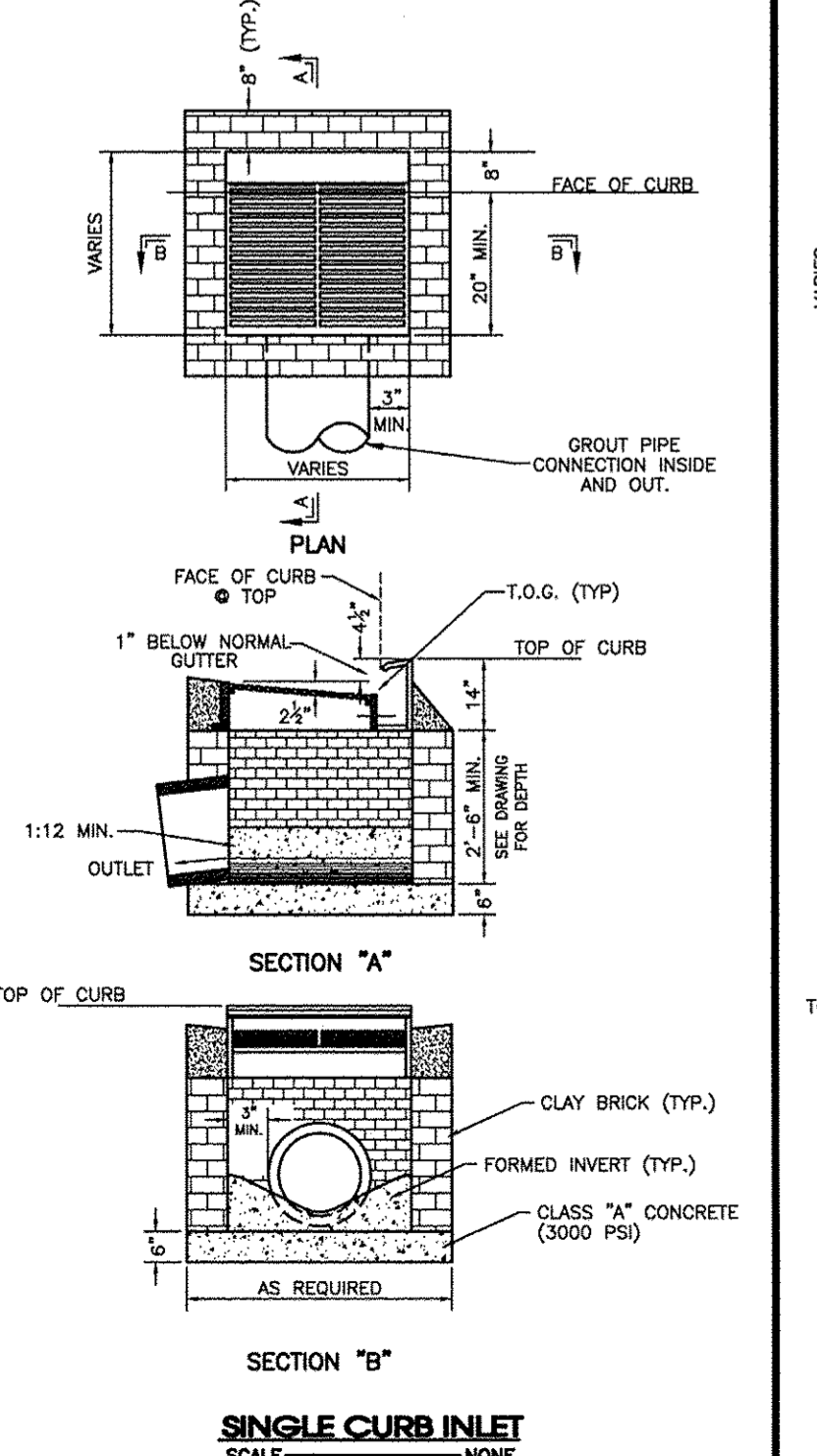
TRAPEZOIDAL DITCH DETAIL
SCALE: NONE

SIZE OF NEAREST DRAINAGE UPSTREAM	SEED	SOD	LINE W/ STONE
15'	GRADES LESS THAN 3%	GRADES 3% - 12%	GRADES EXCEEDING 12%
18'	GRADES LESS THAN 1.5%	GRADES 1.5% - 7%	GRADES EXCEEDING 7%
21'	GRADES LESS THAN 1.2%	GRADES 1.2% - 4.5%	GRADES EXCEEDING 4%
24'	NA	GRADES 4.5% - 2.5% OR LESS	GRADES EXCEEDING 2.5%

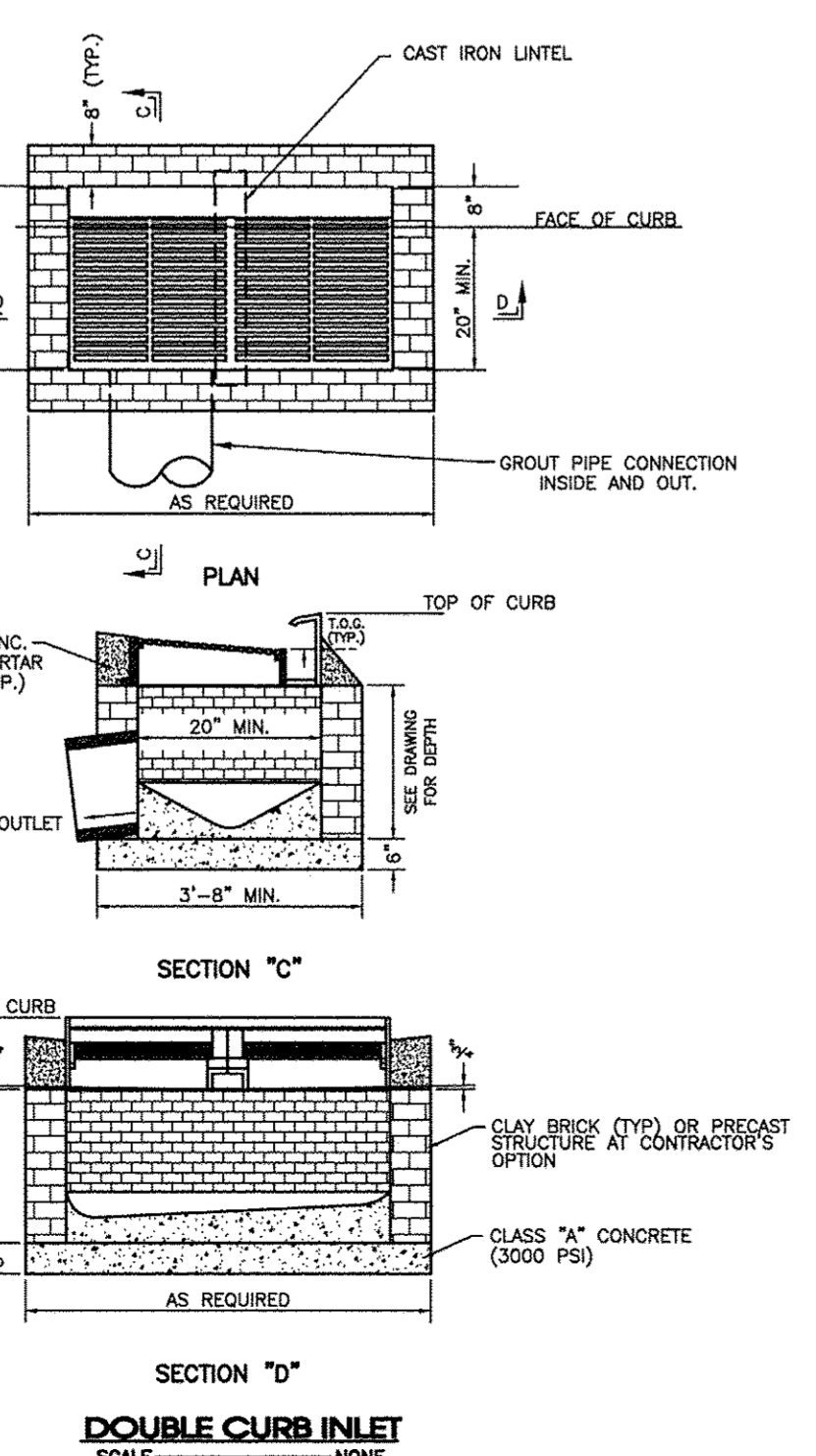
DITCH STABILIZATION SECTION
SCALE: NONE



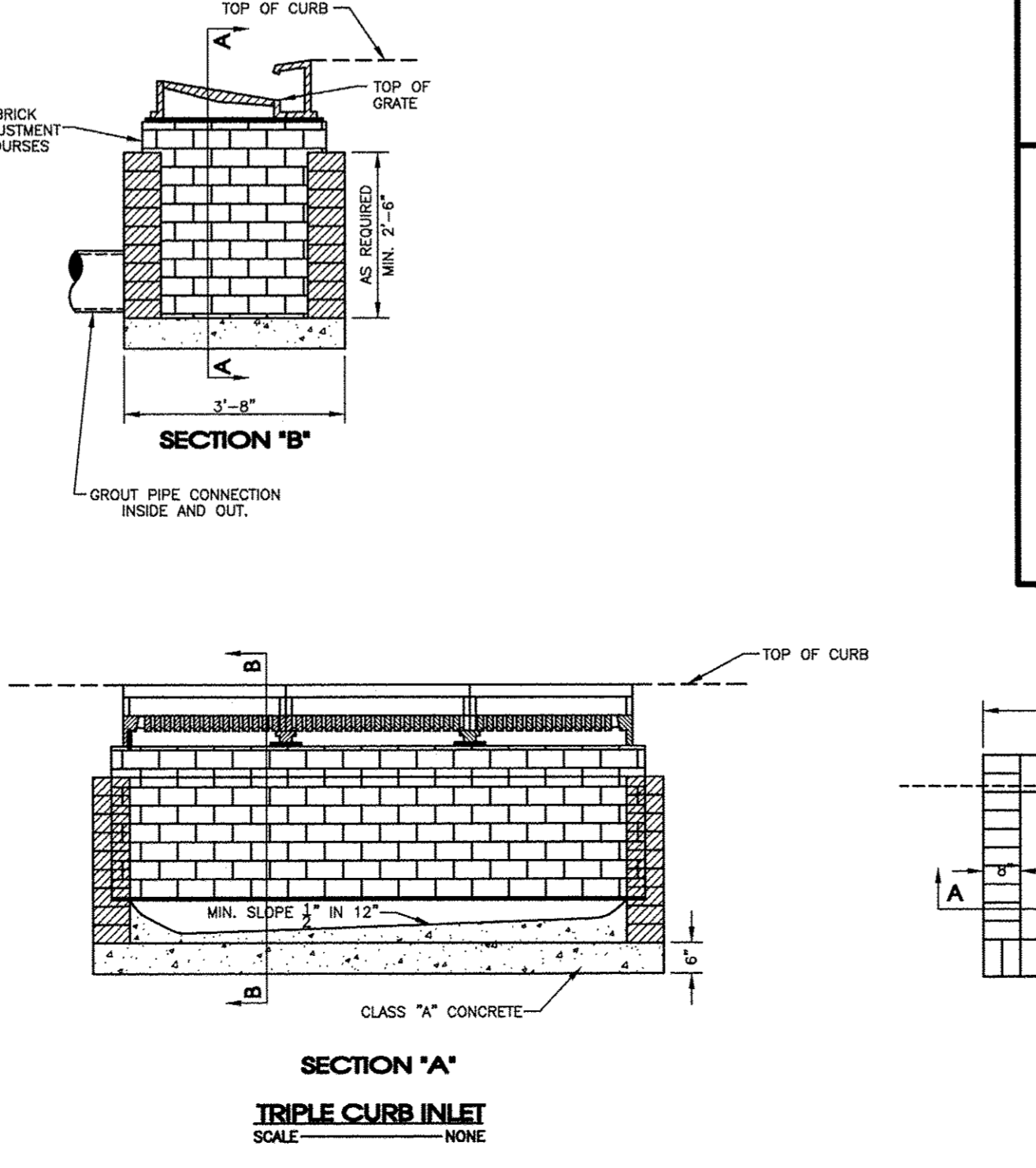
PRECAST CATCH BASIN DETAIL
SCALE: NONE



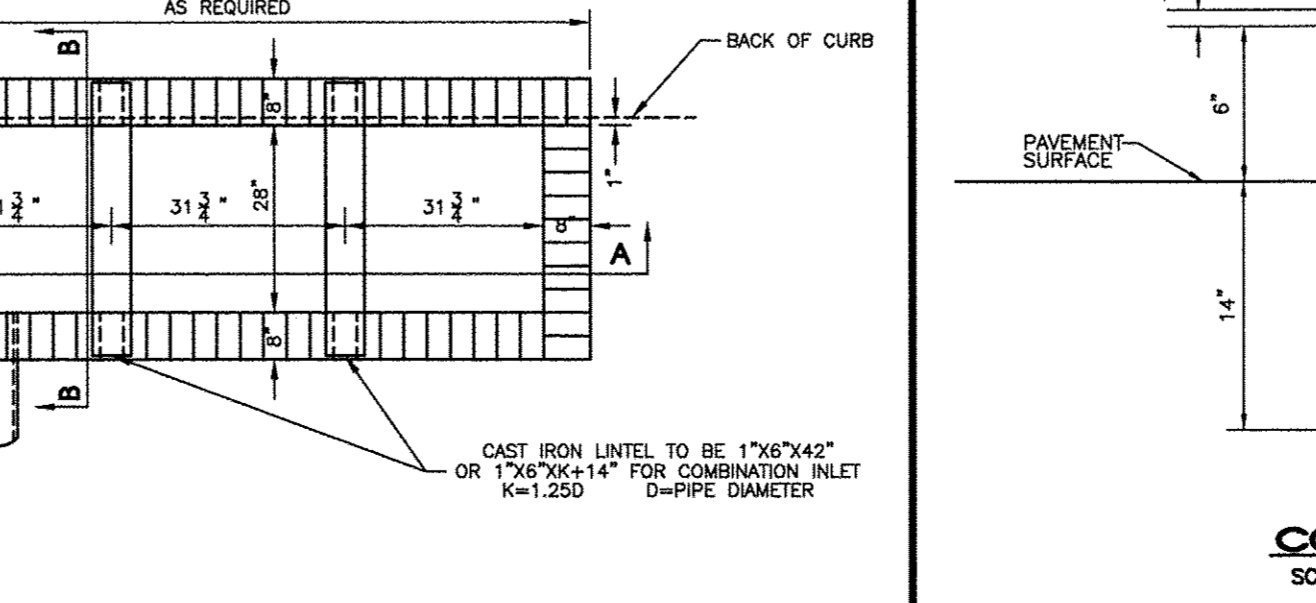
SINGLE CURB INLET
SCALE: NONE



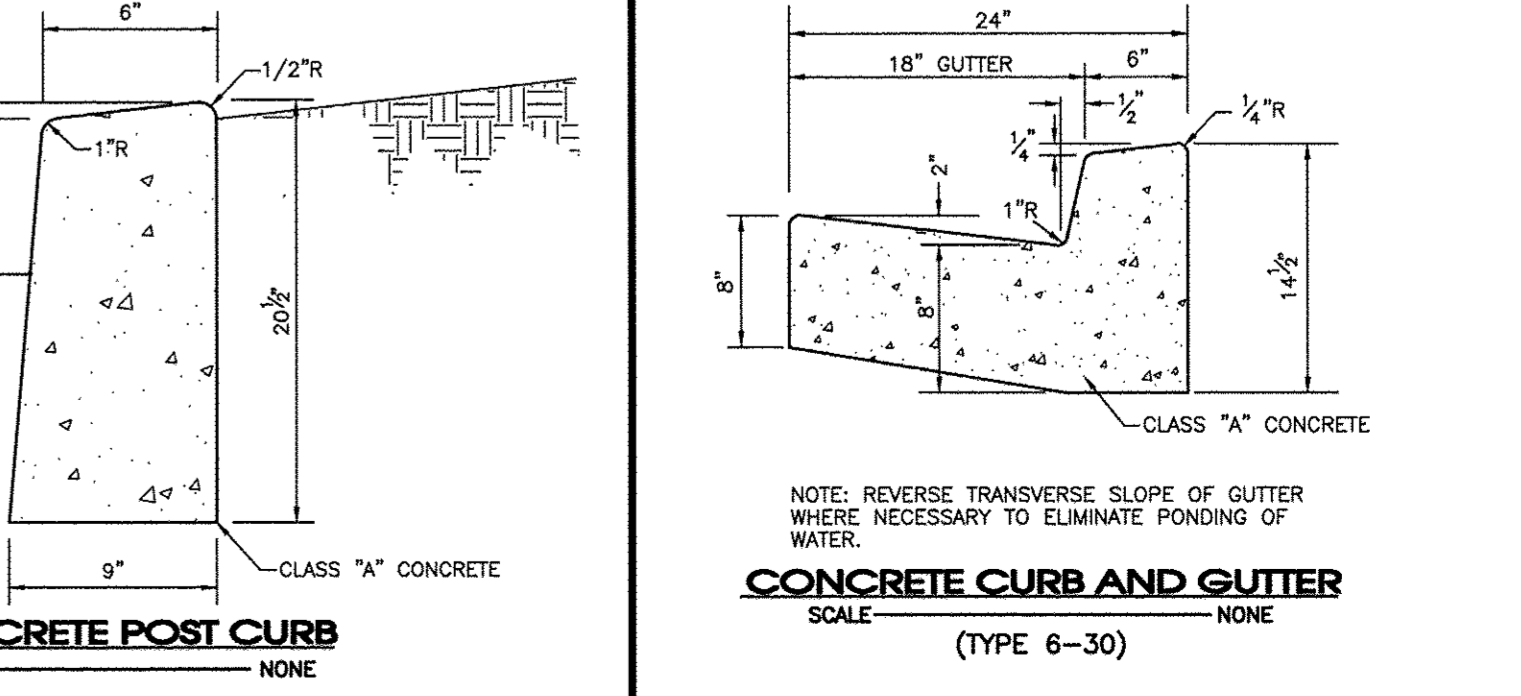
DOUBLE CURB INLET
SCALE: NONE



TRIPLE CURB INLET
SCALE: NONE



CONCRETE POST CURB
SCALE: NONE



CONCRETE CURB AND GUTTER
SCALE: NONE (TYPE 6-30)

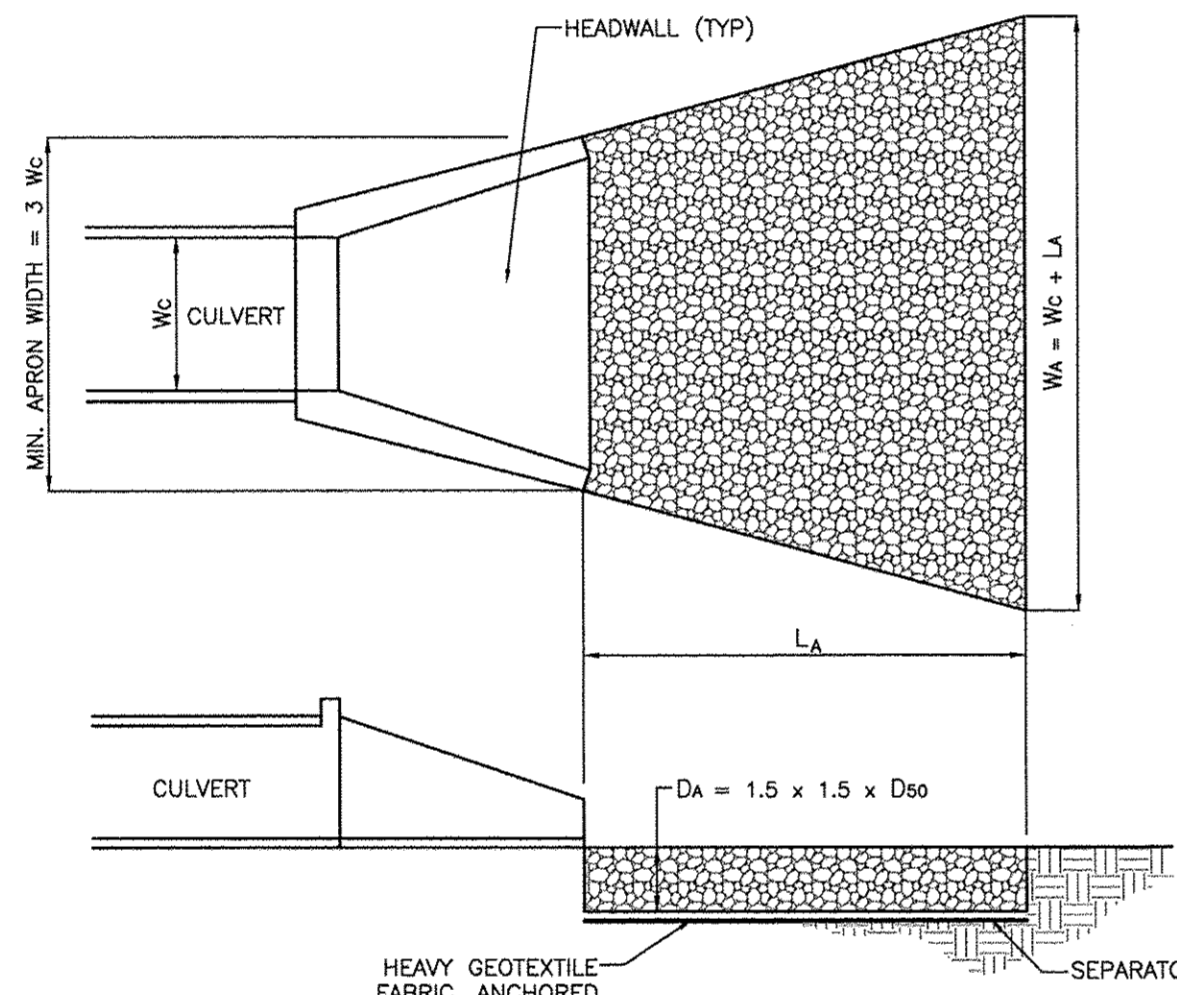
SITE ENGINEERING CONSULTANTS
ENGINEERING · SURVEYING · LAND PLANNING
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Littlebury Subdivision
Thompson Station, Tennessee

REVISED: 8-30-18 Comments
9-27-18 Update Layout
12-11-18 Comments
DRAWN: MLG
DATE: 6-11-18
CHECKED: JFR
FILE NAME: 17224LittleburyPrelim
SCALE:
JOB NO. 17224
SHEET: C6.1

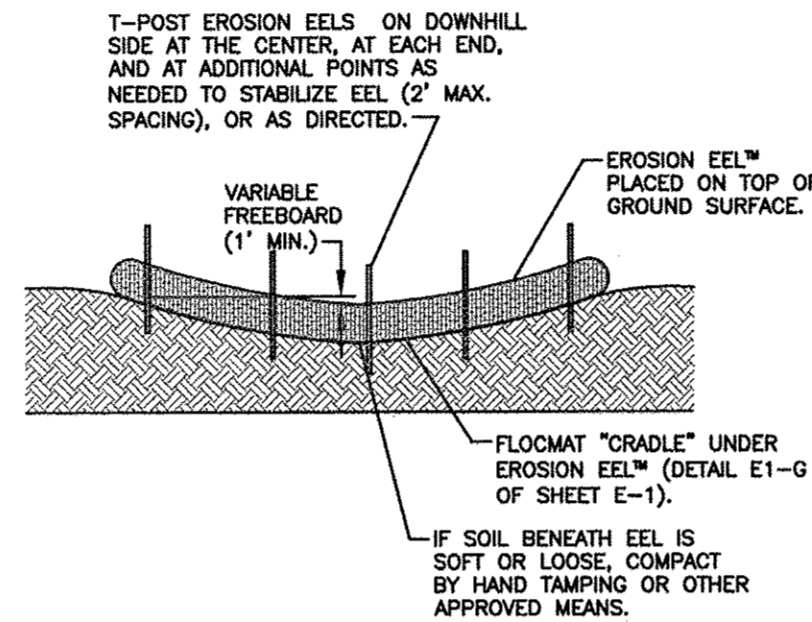
Plot Style: S.E.C. Standard Monochrome Plot Date: 12/20/2018 2:46 PM User: CADTECH4



Wc = WIDTH OF CULVERT
 La = LENGTH OF RIP-RAP APRON
 Ww = WIDTH OF RIP-RAP APRON AT END
 D50 = MEDIAN RIP-RAP SIZE
 Dmax = MAXIMUM SIZE OF RIP-RAP = 1.5 D50
 Da = DEPTH OF RIP-RAP APRON = 1.5 Dmax
 SEPARATOR = GEOTEXTILE UNDERLAYMENT OR GRAVEL FILTER BLANKET

OUTFALL PIPE	PIPE SIZE	Apron Length La (ft)	Apron Width Wc (ft)	D50 (in.)	Dmax (in.)	Apron Depth Da (in.)
B	15"	8	9.25	3	4.5	7
G	34"x33"	10	13	3.5	5.25	8
K	24"	10	12	3.5	5.25	8
N	24"x38"	10	12	3.5	5.25	8
P	12"	7	13	2.5	3.75	6
T2	24"	13	15	5	7.5	12

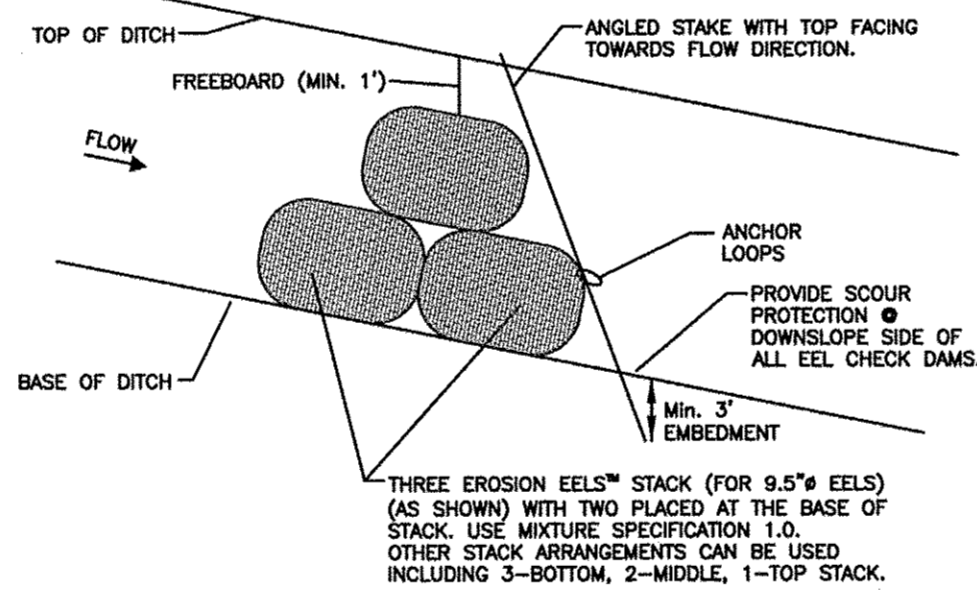
RIPRAP OUTFALL PROTECTION
SCALE: NONE



NOTE: APPLICABLE TO SMALL WIDTH DITCHES WITH TOTAL WIDTH THAT REQUIRES ONLY ONE 10" EEL TO SPAN.
 NOTE: EELS TO BE STAKED WITH AN "X" CROSSING.

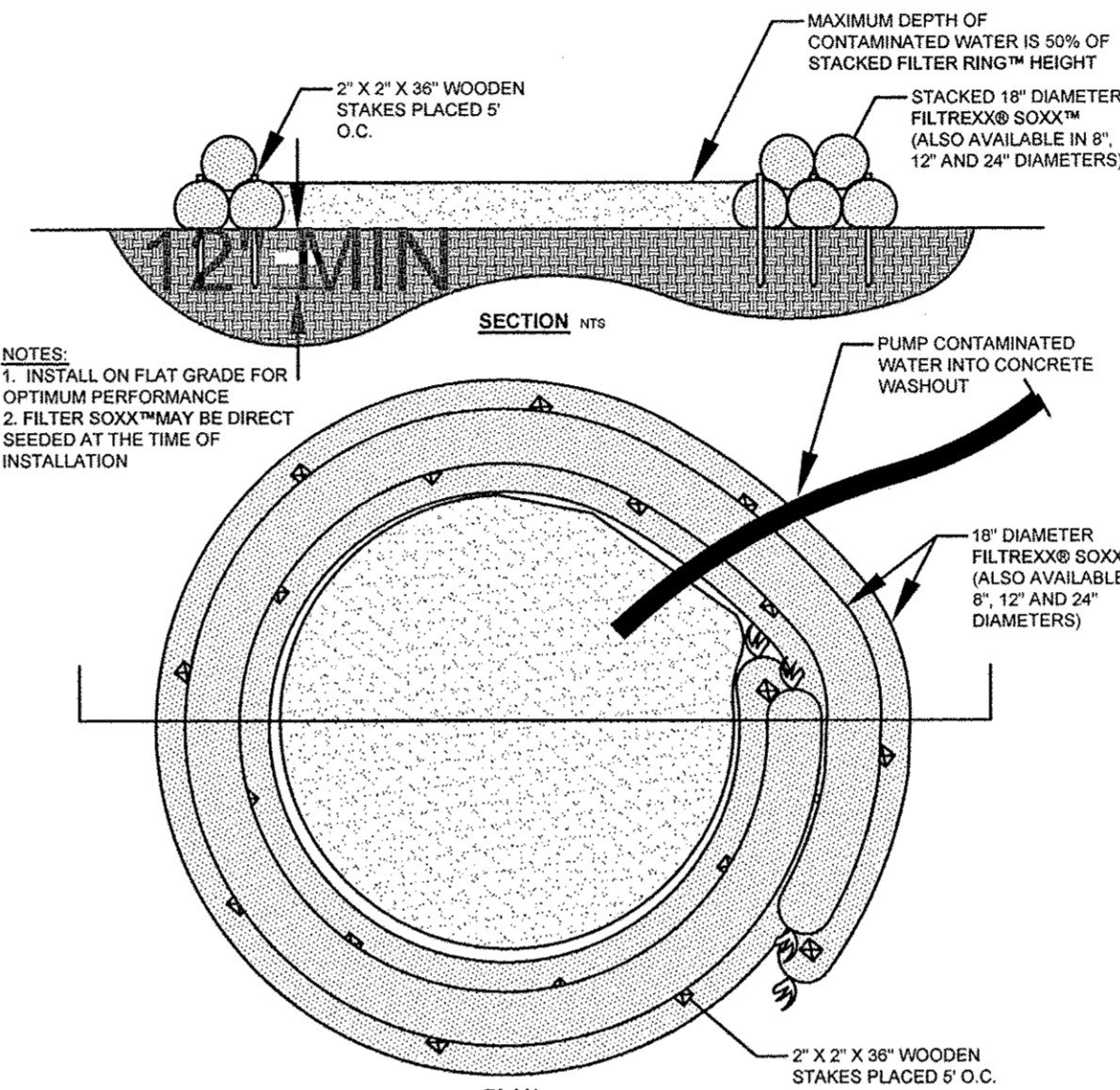
DETAIL E2-B: SECTION - SMALL DITCH CHECKS FOR 9.5" AND 20" EELS
N.T.S.

EROSION EEL #1 DETAIL
SCALE: NONE



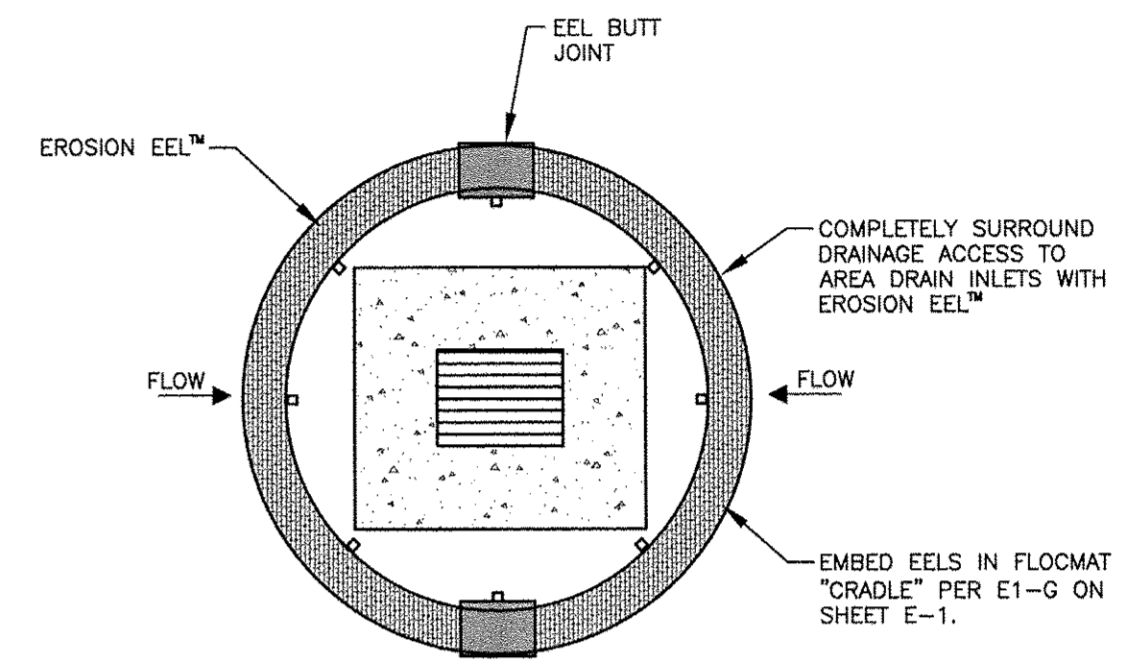
DETAIL E2-F: SECTION - TYPICAL DETAIL - REINFORCED CHECK DAM FOR HIGH FLOW APPLICATIONS FOR LARGER DITCHES (OPTION B) FOR 9.5" EELS
N.T.S.

EROSION EEL #2 DETAIL
SCALE: NONE



NOTES:
 1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
 2. FILTER SOXX™ MAY BE DIRECT SIEVED AT THE TIME OF INSTALLATION

FILTREXX® CONCRETE WASHOUT
NTS

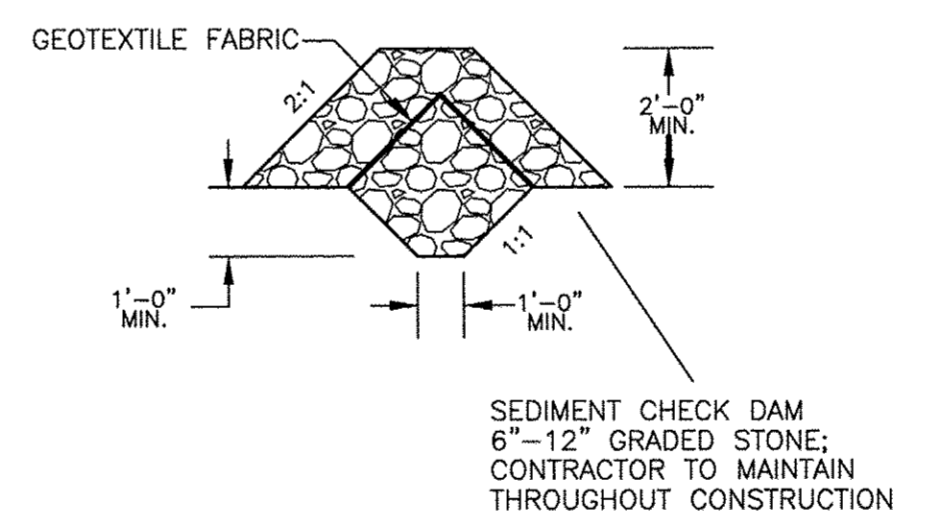


NOTE: EROSION EELS USED FOR INLET PROTECTION SHALL CONSIST OF EITHER MIXTURE SPECIFICATION 1.0 OR 2.0, PER ENGINEER'S RECOMMENDATIONS.

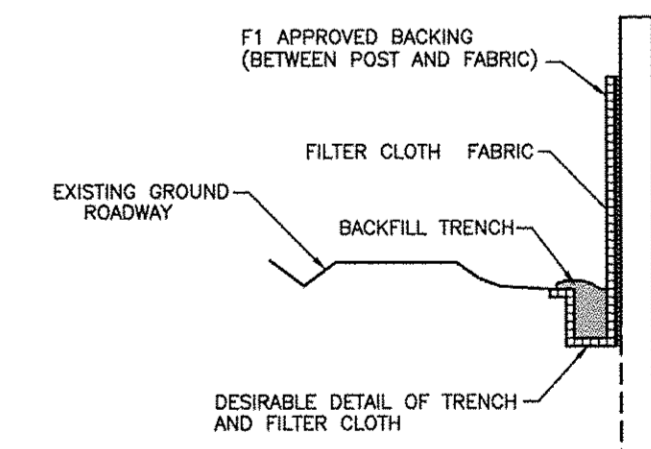
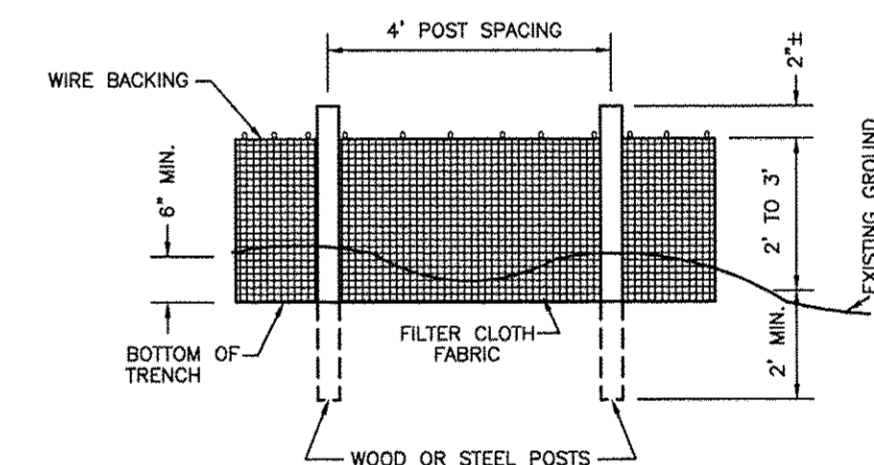
NOTE: PERIODIC MAINTENANCE SHALL INCLUDE CLEANING EEL SURFACE WITH HIGH PRESSURE WASH OR BRUSHING SURFACE WITH BROOM.

DETAIL E3-B: INLET SEDIMENT TRAP
N.T.S.

INLET PROTECTION DETAIL
SCALE: NONE

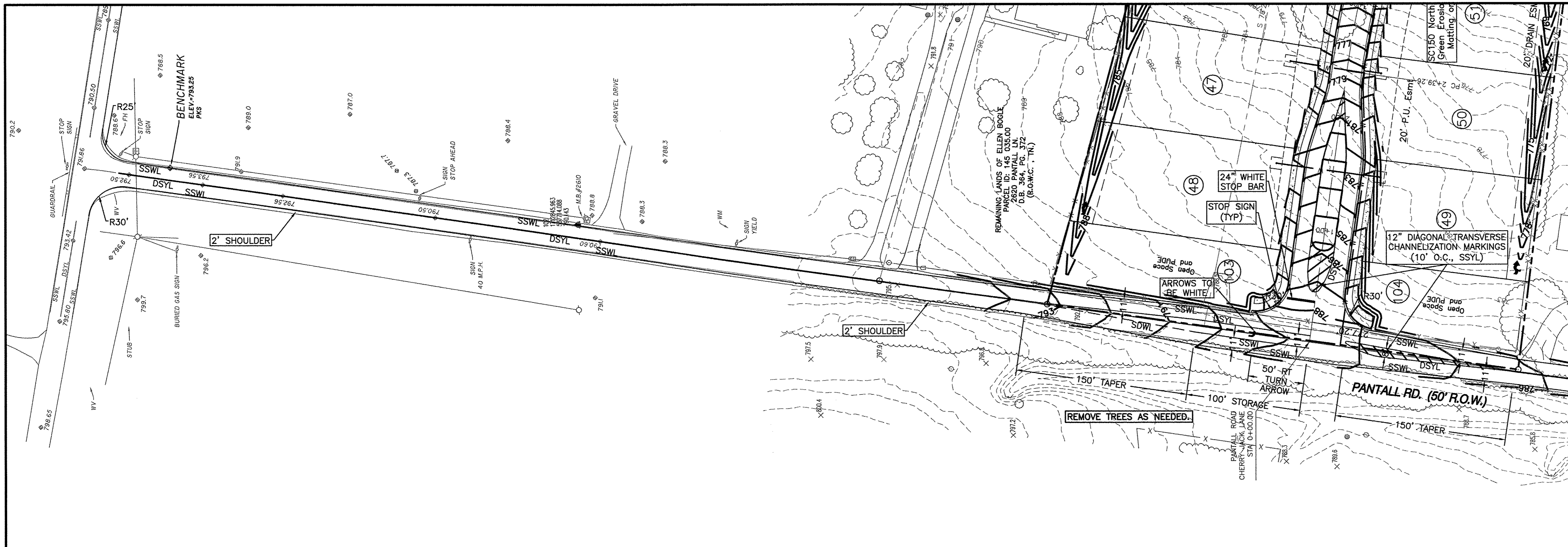


ROCK FILTER DAM WITH GEOTEXTILE FABRIC
SCALE: NONE



SILT FENCE DETAIL
SCALE: NONE





Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
+	EXIST. SIGN POST	⊕	HC SIGN
○	EXIST. SEWER CLEANOUT	+	PROPOSED SIGN POST
⊕	EXIST. MANHOLE (SEWER & PHONE)	•	CONCRETE BOLLARD
⊕	EXIST. CATCH BASIN (STORM SEWER)	—	WHEEL STOP
⊕	EXIST. WATER/GAS VALVE	—	CONCRETE SIDEWALK
⊕	EXIST. TELEPHONE RISER	—	EXTRUDED CURB
⊕	EXIST. GAS RISER	—	CURB & GUTTER
⊕	ELECTRICAL ENCLOSURE	→	TRAFFIC ARROW
⊕	EXIST. WATER METER	↔	TURN LANE ARROWS
⊕	EXIST. UTILITY POLE	1	REVISION NUMBER
⊕	EXIST. FIRE HYDRANT	#1	DRAINAGE STRUCTURE DESIGNATION
⊕	POST INDICATOR VALVE	A	DRAINAGE PIPE DESIGNATION
⊕	BLOW OFF VALVE	⊕	RIP RAP
⊕	REDUCER	→	RUNOFF FLOW ARROW
⊕	REMOTE FIRE DEPT. CONNECTION	□	INLET FILTER PROTECTION
⊕	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
⊕	FIRE DEPT. CONNECTION	>	SEWER/STORM FLOW DIRECTION
⊕	FIRE HYDRANT	⊕	CATCH BASIN
⊕	GATE VALVE & BOX	⊕	CURB INLET
⊕	WATER METER	⊕	AREA DRAIN
⊕	GAS METER	—	HEADWALL
⊕	GREASE TRAP	—	WINGED HEADWALL
⊕	EXTERIOR CLEANOUT ECO	⊕	CONCRETE SWALE
⊕	MANHOLE	⊕	TYPE- X- HEADWALL

Erosion Control Notes:

- The site contractor is responsible for establishing and maintaining suitable erosion and sediment control devices on-site during construction as required to prevent silt from leaving site. Silt will not be allowed beyond construction limits.
- The contractor is responsible for removing silt from site if not reusable on-site and assuring plan alignment and grade in all ditches at completion of construction.
- The contractor is responsible for cleaning out all storm drainage structures, including flumes, pipes, etc. prior to completion of this project.
- Erosion control shall be provided for all cut and fill operations within the limits of the construction site, throughout the construction period to provide the site with maximum protection from erosion at all times.
- Erosion control measures are to be installed prior to any grading on-site and are to be maintained in place until stabilization of erodable soils has been accomplished.

General Notes:

- All necessary permits and approvals from agencies governing this work shall be secured prior to commencing construction.
- The locations of utilities shown within these plans are approximate only. Exact locations shall be determined in the field by contacting the utility companies.
- The contractor shall notify each individual owner of his plan of operation in the area of the utilities prior to construction. The contractor shall contact the utility owners and request them to properly locate their respective utilities on the site. This notification must be given three (3) business days prior to construction operations. Some utilities can be located by calling Tennessee one call at 1-800-351-1111.
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- Any lane closures shall be signed in accordance with part 6 of M.U.T.C.D.
- The contractor shall comply with section 712 regarding "temporary traffic control" and "T.D.O.T.—standard specifications for road and bridge construction" (dated Aug. 25, 2015) in the implementation of a traffic control plan.
- All channelization, striping and pavement marking shall conform with part 3 of the manual on uniform traffic control devices (M.U.T.C.D.) and TN Dept. Of Transportation Standard Roadway Drawings No. T-M-1, T-M-3, and T-M-4.
- All signs, barricades and warning lights shall conform with part 6 of M.U.T.C.D.
- Cone and/or drums which meet requirements of part 6 of M.U.T.C.D. shall be provided as required for channelization of thru traffic.
- All traffic control devices shall be removed immediately upon completion of this portion of the project. During construction, contractor shall follow T.D.O.T.'s "guidelines for handling differences in elevation between adjacent roadway elements".
- Thermoplastic striping to be used for all proposed markings.

Grading and Drainage Notes:

- The contractor shall cut existing pavement as necessary to assure a smooth fit and continuous grade.
- The contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes and all utilities prior to construction.
- Clearing and grubbing limits shall include all areas disturbed by grading operation.
- Any graded or disturbed areas shall have 4 inches of topsoil, seed, mulch, fertilizer and water applied until a healthy stand of grass is obtained. The restoration shall closely follow construction.
- Existing structures to be relocated (headwalls, culverts, fire hydrants, blow-offs, guy wires/telephone poles, etc.) May be reinstated only if undamaged and approved by Thompson Station Public Works prior to backfill of trench.
- Existing roadside culverts shall be replaced in-kind and size where not reusable. If reusable, relocate to new ditch location. However if final grade is to be less than 1.0 ft. over culvert, RCP shall be used.

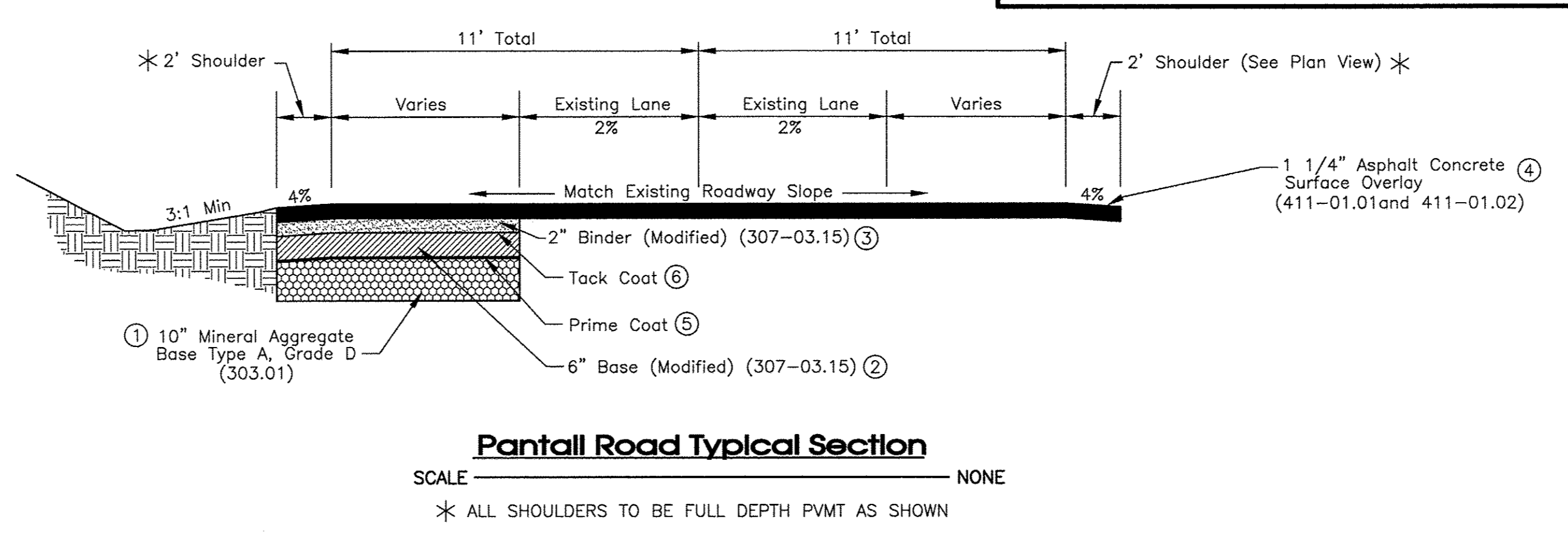
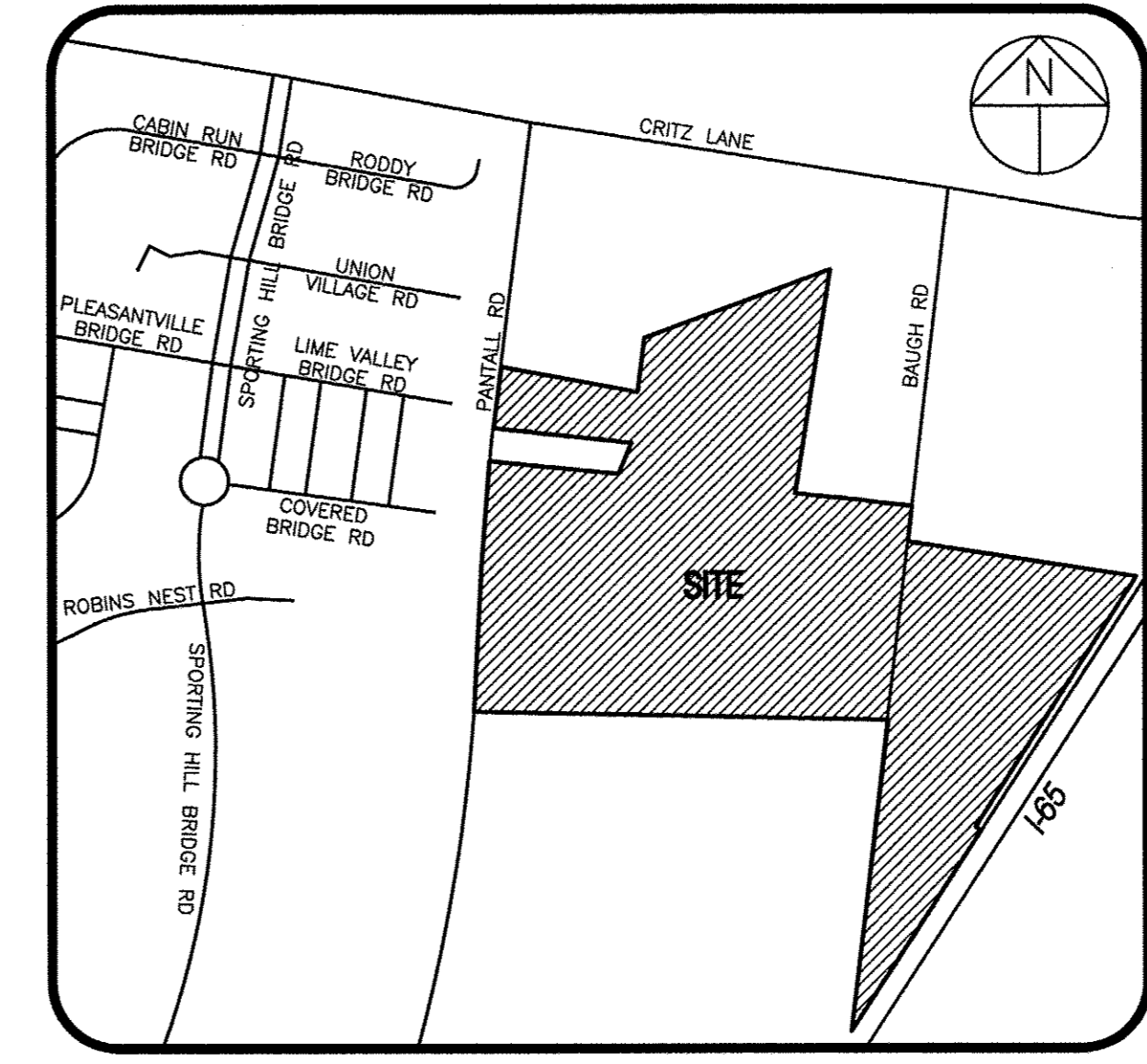
4" Pavement Marking Schedule:

SSWL: Single Solid White Line
 SSYL: Single Solid Yellow Line
 DSYL: Double Solid Yellow Line
 SDWL: Single Dashed White Line

NOTE:
 Thermoplastic Striping to be used for all proposed markings at the intersection.

PAVEMENT LEGEND

①	STONE @ 10.00" +/- THICK 303-01 MINERAL AGGREGATE, TYPE A BASE GRADING "D"
②	BASE (MODIFIED) @ 6.00" +/- THICK (APPROX. 678.00 LBS / S.Y.) 307-03.15 - BITUMINOUS PLANT MIX BASE (HOT MIX) (BPMB-HM) GRADING "A"
③	BINDER (MODIFIED) @ 2.00" +/- THICK (APPROX. 226.00 LBS / S.Y.) 307-03.15 - BITUMINOUS PLANT MIX BASE (HOT MIX) (BPMB-HM) GRADING "B"
④	SURFACE @ 1.25" +/- THICK (APPROX. 132.50 LBS / S.Y.) 411-01.01 MINERAL AGGREGATE FOR ASPHALTIC CONCRETE SURFACE (ACS) GRADING "D" 411-01.02 ASPHALT CEMENT FOR ASPHALTIC CONCRETE SURFACE (ACS) GRADING "D"
⑤	PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.30-0.35 GAL / S.Y. 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 8-12 LBS. / S.Y.
⑥	TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @ 0.20 GAL / S.Y.



SITE ENGINEERING CONSULTANTS
 ENGINEERING • SURVEYING • LAND PLANNING
SEC, Inc.
 LANDSCAPE ARCHITECTURE
 850 MIDDLE TENNESSEE BOULEVARD
 MURFREESBORO, TENNESSEE 37129
 PHONE: (615) 890-7901 E-MAIL: RHOZ@SEC-CIVIL.COM FAX: (615) 895-2567
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Littleberry Subdivision
 Thompson Station, Tennessee

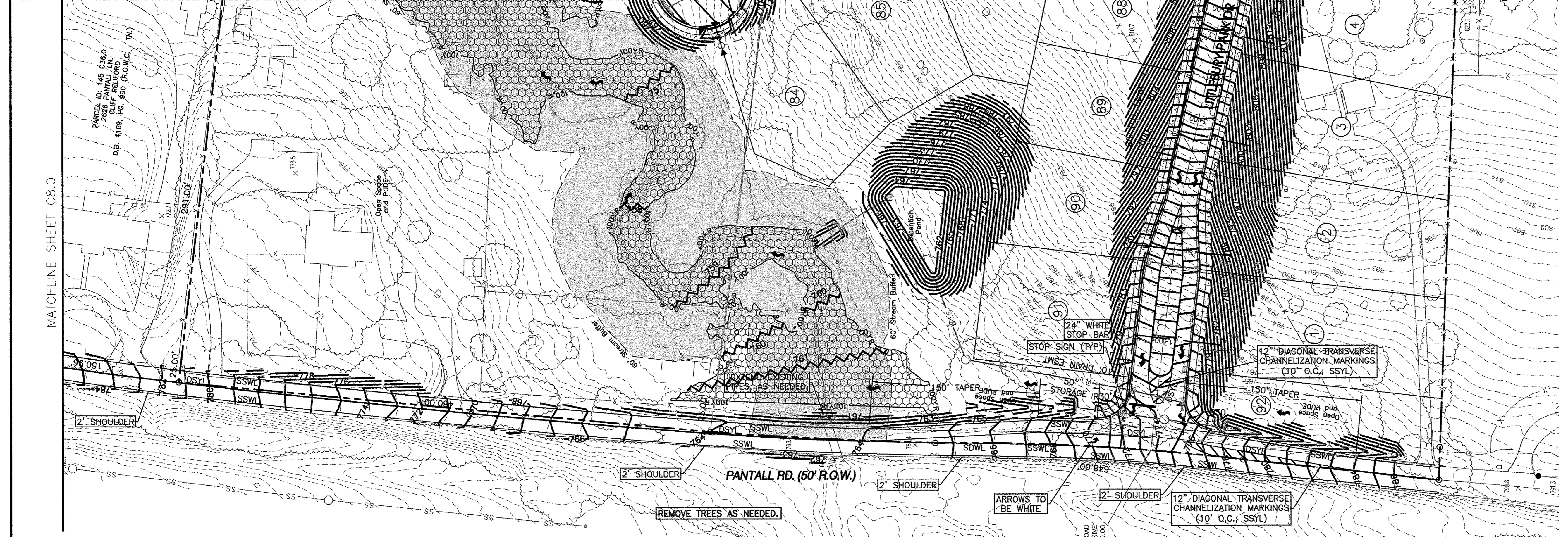
REVISED: 8-30-18 Comments
 9-27-18 Update Layout
 12-11-18 Comments

DRAWN: MLG
 DATE: 6-11-18
 CHECKED: JFR
 FILE NAME: 17224LittleberryPrelim
 SCALE:

JOB NO. 17224
 SHEET: **C7.0**

811
 Know what's below.
 Call before you dig.

100' 0 100' 200'
 SCALE: 1" = 100'



Legend:

□	EXIST. CONCRETE MONUMENT	⊕	BENCHMARK
●	IRON PIN SET (I.P.S.)	♿	HANDICAP RAMP SYMBOL
○	IRON PIN FOUND (I.P.F.)	V.A.	VAN ACCESSIBLE HANDICAP DESIGNATION
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⊕	CONCRETE THRUST BLOCK	63.25	PROPOSED SPOT ELEVATION
⊕	DOUBLE DETECTOR CHECK VALVE	(63.25)	EXIST. SPOT ELEVATION
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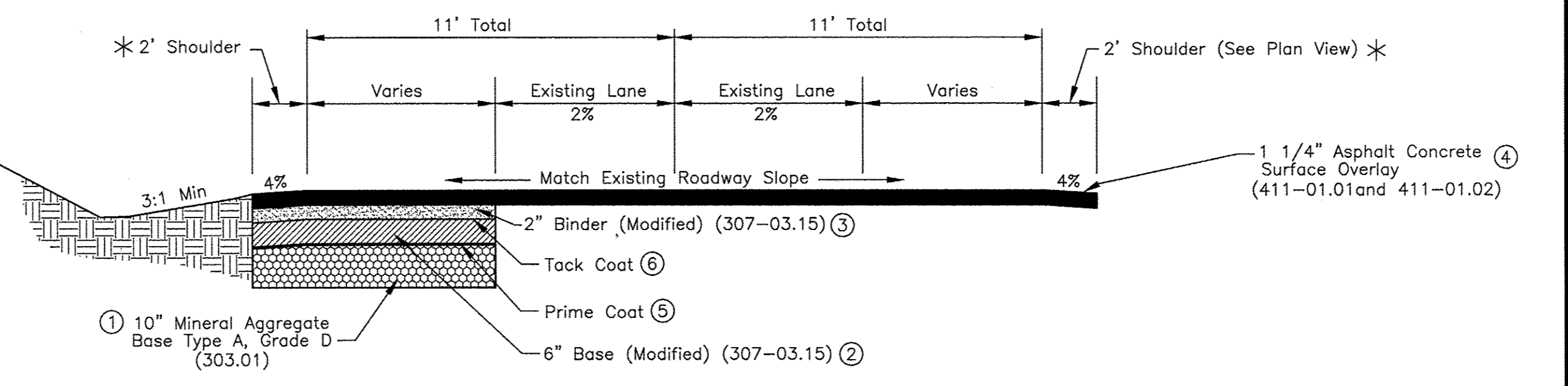
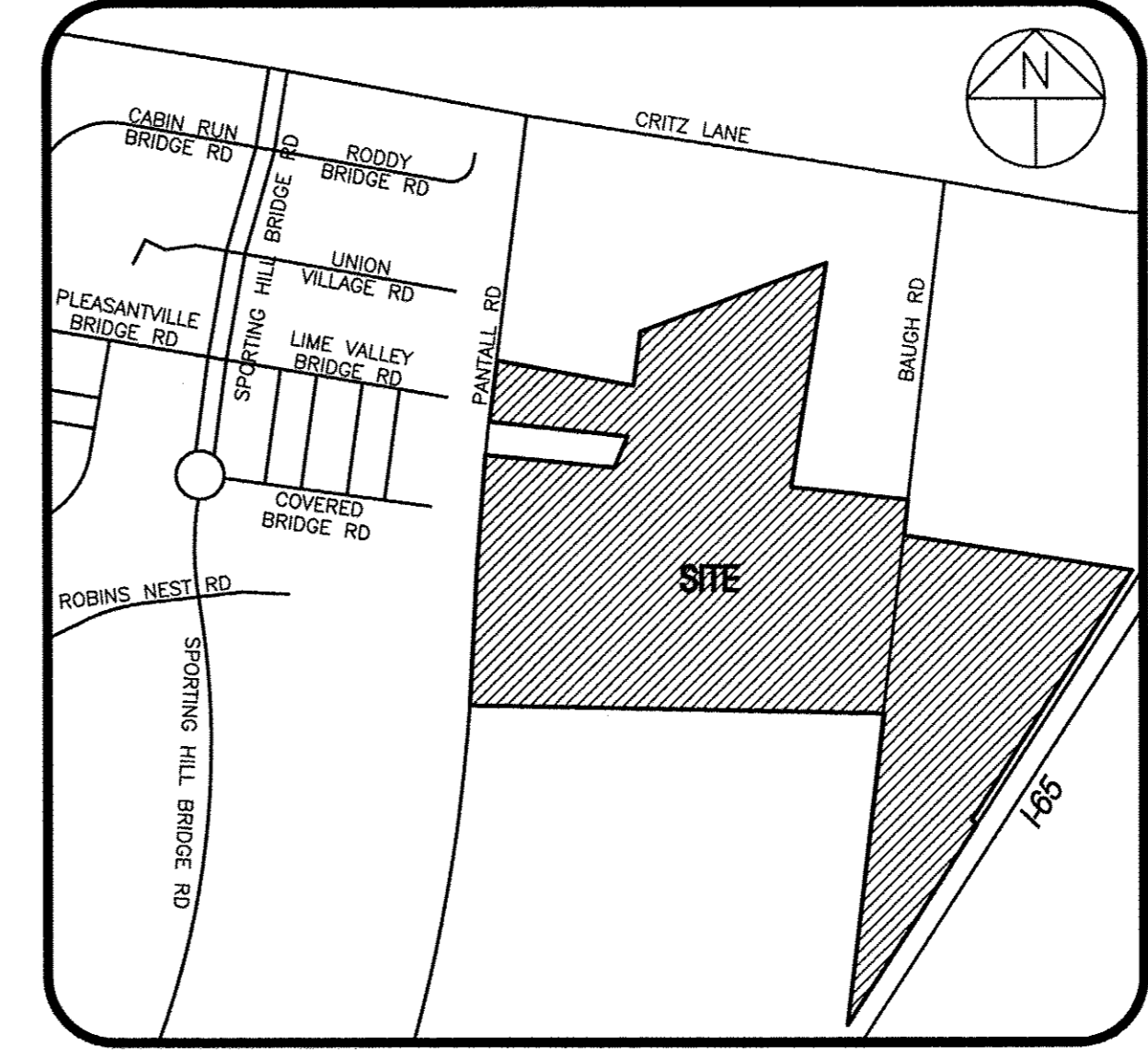
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NOTE:
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Pantall Road Typical Section

SCALE: NONE
* ALL SHOULDERS TO BE FULL DEPTH PVMT AS SHOWN

811
Know what's below.
Call before you dig.

100' 0 100' 200'
SCALE: 1"= 100'

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Littlebury Subdivision
Thompson Station, Tennessee

EXISTING PHONE	PH
EXISTING ELECTRIC	OH
PROPERTY LINE	---
EASEMENTS	---
RIGHT OF WAY	50' ROW
EROSION CONTROL SILT FENCE	SF SF
EROSION EEL	E E E
EXISTING TREELINE	~
EXISTING FENCELINE	X X
MINIMUM BUILDING SETBACK LINE	MBSL
PHASE BOUNDARY	-----
EXISTING GAS LINE	GAS
PROPOSED GAS LINE	GAS
EXISTING STORM	STM
PROPOSED STORM	STM
EXISTING CONTOUR LINES	-601-
PROPOSED CONTOUR LINES	-601-
EXISTING SANITARY SEWER	SS SS
PROPOSED SANITARY SEWER	SS SS
EXISTING WATER	W W
PROPOSED WATER	W W

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Offsite Road Improvements