

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

EXISTING ON-SITE CONDITIONS		
COVER	SCS CLASSIFICATION	AREA (Ac)
ROW CROPS (SR)	ROW CROPS (SR) GOOD CONDITION B SOILS, CN=78	0.07
ROW CROPS (SR)	ROW CROPS (SR) GOOD CONDITION C SOILS, CN=85	22.68
ROW CROPS (SR)	ROW CROPS (SR) GOOD CONDITION D SOILS, CN=89	2.83
		COMPOSITE CN=85

PROPOSED ON-SITE CONDITIONS		
COVER	SCS CLASSIFICATION	AREA (Ac)
PAVED ROADS	ROADS, CN=98	3.30
PAVED ROADS	ROADS, CN=92	0.54
RESIDENTIAL 1/4 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS C SOILS, CN=83	11.09
RESIDENTIAL 1/4 ACRE LOTS	RESIDENTIAL 30% IMPERVIOUS D SOILS, CN=87	0.22
OPEN SPACE	OPEN SPACE B SOILS, CN=69	0.07
OPEN SPACE	OPEN SPACE C SOILS, CN=79	7.85
OPEN SPACE	OPEN SPACE D SOILS, CN=84	2.22
		COMPOSITE CN=82

Survey Control
Field Survey performed from: 09-6 to 09-27, 2016.
Horizontal and vertical survey control is tied to the Tennessee State Plane coordinate system (NAD83/NAVD88), referenced from Rutherford County Control monument number RCC-020.

BENCHMARK #1:
RR SPIKE IN WOOD POST
N: 504471.39
E: 1840438.03
ELEV: 677.72

BENCHMARK #2:
IPF SEC
N: 504953.31
E: 1840265.95
ELEV: 679.25

		DRAINAGE AREA			RECEIVING FEATURE
		DISTURBED	DIVERTED	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST FORK STONES RIVER UPPER
2	EXISTING DRAIN AT NORTHEAST CORNER	25.58 Ac.	146.13 Ac.	171.71 Ac.	WEST FORK STONES RIVER UPPER


















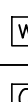







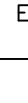


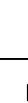



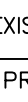

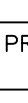













EPSC Phasing
Initial: Silt Fence Along Downgradient
Perimeter Construction Entrance
Check Dams in Existing Ditches
Filter Fabric Inlet Protection

Intermediate: Temporary Seeding
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

1 ☆ Outfall

----- LIMITS OF DISTURBANCE

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 and 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 and 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 and 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		===== ROW =====	
EROSION CONTROL SILT FENCE		_____ SF _____ SF _____	
EROSION EEL		_____ E _____ E _____ E _____ E _____	
EXISTING TREELINE			
EXISTING FENCELINE		_____ X _____ X _____	
MINIMUM BUILDING SETBACK LINE		_____ MBSL _____	
PHASE BOUNDARY		■■	



Know what's below.
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100' 0 100' 200'
SCALE: 1"= 100'

SECC, Inc.

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ENGINEERING • SURVEYING • LAND PLANNING
850 MIDDLE TENNESSEE BOULEVARD
MURFREESBORO, TENNESSEE 37129
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RIGHT OF WAY
RUTHERFORD COUNTY
STATE OF TENNESSEE

Clearview Acres
Section 1

Rutherford County, TN

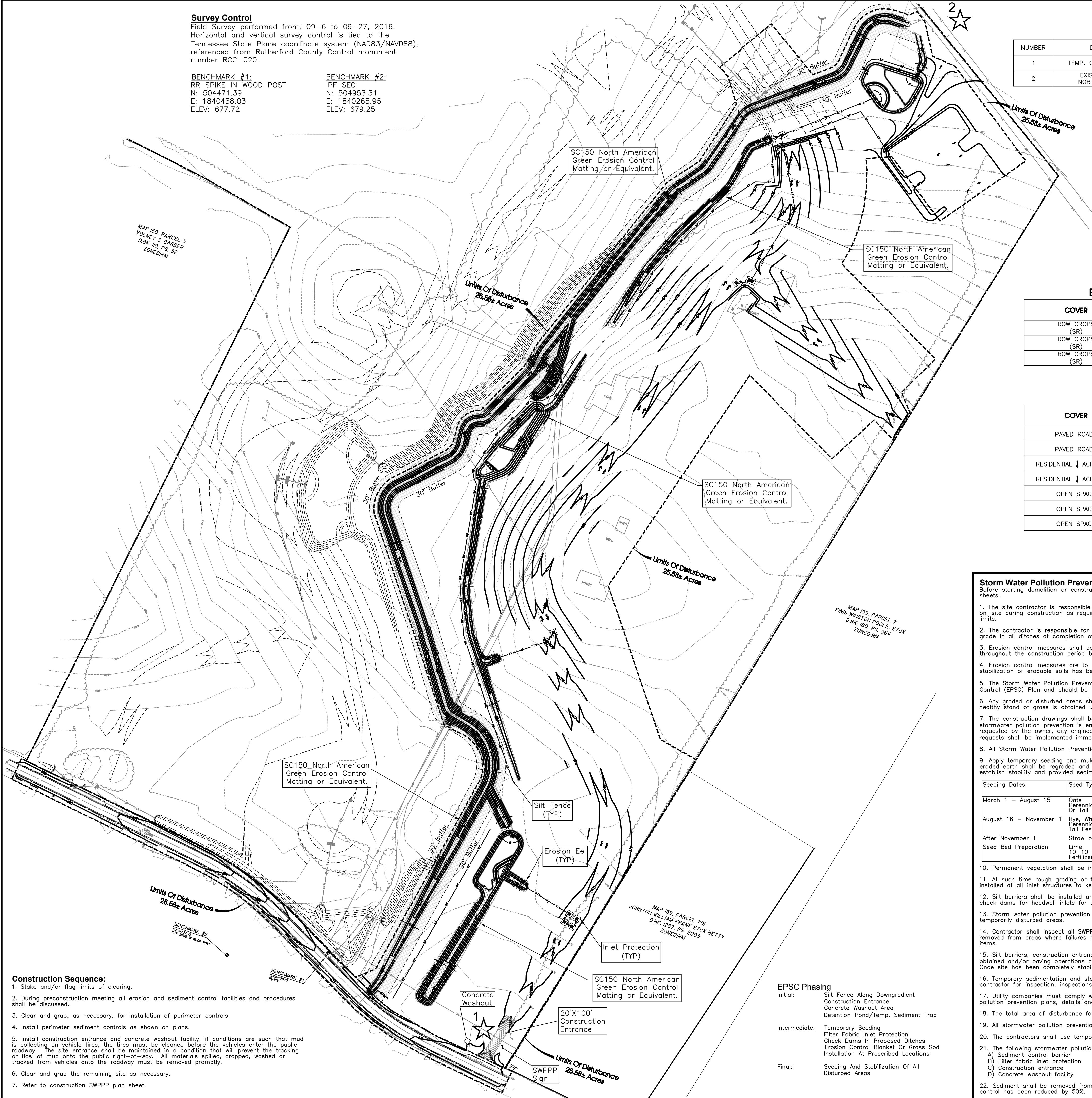
REVISIONS:
DRAWN: MLG
DATE: 9-22-16
CHECKED:
RH
FILE NAME:
14300projectP1
SCALE:
1"=100'
JOB NO.
14300
SHEET:
7 of 15

Existing Condition and
Initial EPSC Plan

Survey Control
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BENCHMARK #2:
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N: 504953.31
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Construction Sequence:

1. Stake and/or flag limits of clearing.
2. During preconstruction meeting all erosion and sediment control facilities and procedures shall be discussed.
3. Clear and grub, as necessary, for installation of perimeter controls.
4. Install perimeter sediment controls as shown on plans.
5. Install construction entrance and concrete washout facility, if conditions are such that mud is collecting on vehicle tires, the tires must be cleaned before the vehicles enter the public roadway. The site entrance shall be maintained in a condition that will prevent the tracking or flow of mud onto the public right-of-way. All materials spilled, dropped, washed or tracked from vehicles onto the roadway must be removed promptly.
6. Clear and grub the remaining site as necessary.
7. Refer to construction SWPPP plan sheet.

EPSC Phasing

- Initial:** Silt Fence Along Downgradient
Construction Entrance
Concrete Washout Area
Detention Pond/Temp. Sediment Trap
- Intermediete:** Temporary Seeding
Filter Fabric Inlet Protection
Check Dams In Proposed Ditches
Erosion Control Blanket Or Grass Sod
Installation At Prescribed Locations
- Final:** Seeding And Stabilization Of All
Disturbed Areas

OUTFALLS

NUMBER	DESCRIPTION	DRAINAGE AREA			RECEIVING FEATURE
		DISTURBED	DIVERTED	TOTAL	
1	TEMP. CONSTRUCTION EXIT	0.10 Ac.	0.00 Ac.	0.10 Ac.	WEST FORK STONES RIVER UPPER
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1★ Outfall

LIMITS OF DISTURBANCE

PROPOSED BMP'S

BMP	TYPE
SILT FENCE	TEMPORARY, SEDIMENT CONTROL
CONSTRUCTION ENTRANCE	TEMPORARY, SEDIMENT CONTROL
CONCRETE WASH OUT	TEMPORARY, SEDIMENT CONTROL
EROSION EELS	TEMPORARY, SEDIMENT CONTROL
DRY DETENTION POND	PERMANENT, EROSION PREVENTION
VEGETATION	PERMANENT, EROSION PREVENTION
EROSION CONTROL FABRIC	PERMANENT, EROSION PREVENTION

EXISTING ON-SITE CONDITIONS

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COMPOSITE CN=82		

Storm Water Pollution Prevention Notes:

- Before starting demolition or construction operations, refer to the Initial EPSC, Intermediate EPSC and SWPPP Plan sheets.
1. 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.
 2. The contractor is responsible for removing silt from site if not reusable on-site and ensuring plan alignment and grade in all ditches at completion of construction.
 3. Erosion control measures 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.
 4. 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.
 5. The Storm Water Pollution Prevention Plan (SWPPP) is an integral part of the Erosion Prevention and Sediment Control (EPSC) Plan and should be followed during all phases of construction (bidding, site work, final stabilization).
 6. 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 unless otherwise noted on plans. The restoration shall closely follow construction.
 7. The construction drawings shall be made available on site at all times and presented upon request. If unforeseen stormwater pollution prevention is encountered, additional Storm Water Pollution Prevention (SWPPP) measures may be requested by the owner, city engineer, project engineer, or soil conservation service representative at anytime. Such requests shall be implemented immediately at contractor's expense.
 8. All Storm Water Pollution Prevention items shall be installed as shown or noted in these plans.
 9. Apply temporary seeding and mulching in all areas that shall be inactive for 15 days or more. All disturbed and eroded earth shall be regraded and seeded within 7 days, as defined above and as shown on the table below to establish stability and provided sediment control.

Seeding Dates	Seed Type	Application Rate Per 1,000 Sq.Ft.
March 1 - August 15	Oats Perennial Rye Grass Or Tall Fescue	3#
August 16 - November 1	Rye, Wheat or Perennial Rye Grass Tall Fescue	1#
After November 1	Straw or Hay Mulch	2-3 Bales
Seed Bed Preparation	Lime 10-10-10 or 12-12-12 Fertilizer	100# 12-15#

10. Permanent vegetation shall be installed within 7 days of the completion of any graded area, weather permitting.
11. At such time rough grading or the site is complete and drainage diverts to inlets, inlet sediment filters shall be installed at all inlet structures to keep piping systems free of silt.
12. Silt barriers shall be installed around all existing or new storm inlets, catch basins, yard drains. Install rock check dams for headwall inlets for storm water pollution prevention.
13. Storm water pollution prevention measures shall be installed around all dirt or topsoil stockpiles and other temporarily disturbed areas.
14. Contractor shall inspect all SWPPP measures daily and repair as necessary to prevent erosion. Siltation shall be removed from areas where failures have occurred and corrective action taken within 24 hours to maintain all SWPPP items.
15. Silt barriers, construction entrances, and silt fences shall remain in place until a good stand of grass has been obtained and/or paving operations are complete. Contractor shall keep silt from entering any storm drainage system. Once site has been completely stabilized, silt in pipes and drainage swales shall be removed within 10 days.
16. Temporary sedimentation and stormwater pollution prevention measures must be inspected and logged by the contractor for inspection, inspections and logging shall be weekly and after rain storms.
17. Utility companies must comply with all stormwater pollution prevention measures as defined on the storm water pollution prevention plans, details and notes.
18. The total area of disturbance for the project is 20.91 Acres.
19. All stormwater pollution prevention practices shall be installed before any other earth moving occurs.
20. The contractors shall use temporary sediment filter bags as necessary to control sediment runoff.
21. The following stormwater pollution prevention and sediment control measures will be used on this site:
A) Sediment control barrier
B) Filter fabric inlet protection
C) Construction entrance
D) Concrete washout facility
E) Check dams
F) Temporary seeding
G) Erosion control blanket
H) Permanent seeding or sodding
22. Sediment shall be removed from sediment controls as necessary but at least when the design capacity of the control has been reduced by 50%.

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 and 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 and 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 and 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	=====
EROSION CONTROL SILT FENCE	---SF---
EROSION EEL	---E---E---E---
EXISTING TREELINE	~~~~~
EXISTING FENCELINE	---X---X---
MINIMUM BUILDING SETBACK LINE	-----MBSL-----
PHASE BOUNDARY	=====
EXISTING GAS LINE	---GAS---GAS---
PROPOSED GAS LINE	---GAS---GAS---
EXISTING STORM	---STM---STM---
PROPOSED STORM	---STM---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---

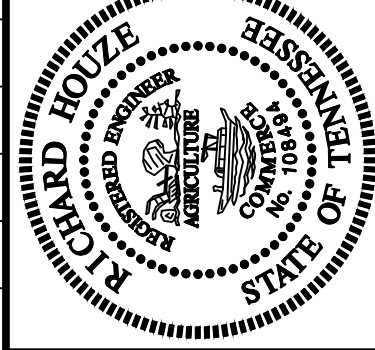


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SCALE: 1"= 100'

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Clearview Acres
Section 1

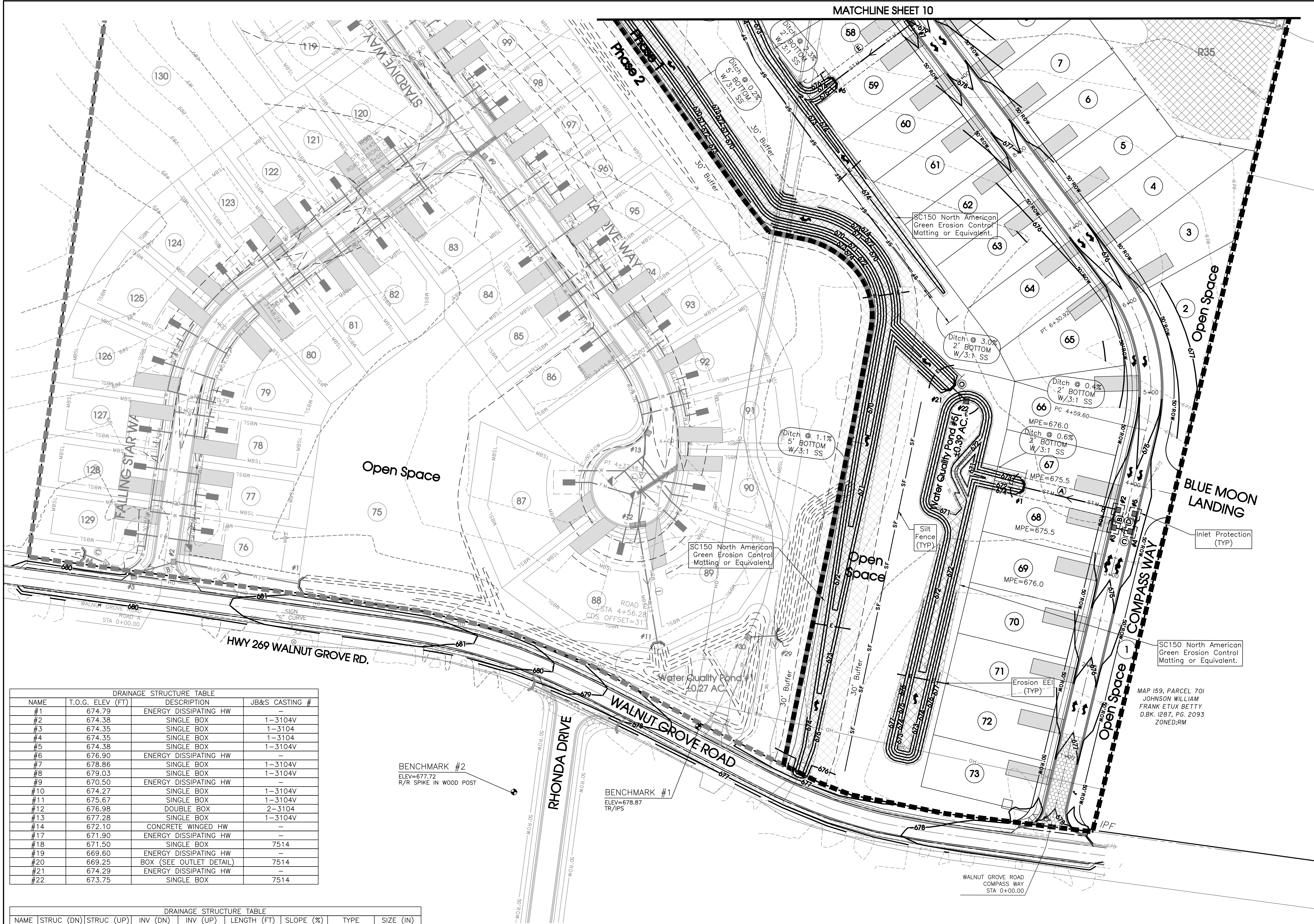
Rutherford County, TN

Intermediate EPSC Plan

REVISED:

DRAWN: MLG
DATE: 9-22-16
CHECKED:
RH
FILE NAME:
14330projectP1
SCALE:
1"=100'
JOB NO.
14330
SHEET:

8 of 15



DRAINAGE STRUCTURE TABLE			
NAME	T.O.G. ELEV (FT)	DESCRIPTION	JB&S CASTING #
#1	674.79	ENERGY DISSIPATING HW	-
#2	674.38	SINGLE BOX	1-3104V
#3	674.35	SINGLE BOX	1-3104
#4	674.35	SINGLE BOX	1-3104
#5	674.38	SINGLE BOX	1-3104V
#6	676.90	ENERGY DISSIPATING HW	-
#7	678.86	SINGLE BOX	1-3104V
#8	679.03	SINGLE BOX	1-3104V
#9	670.50	ENERGY DISSIPATING HW	-
#10	674.27	SINGLE BOX	1-3104V
#11	675.67	SINGLE BOX	1-3104V
#12	676.98	DOUBLE BOX	2-3104
#13	677.28	SINGLE BOX	1-3104V
#14	672.10	CONCRETE WINGED HW	-
#17	671.90	ENERGY DISSIPATING HW	-
#18	671.50	SINGLE BOX	7514
#19	669.60	ENERGY DISSIPATING HW	-
#20	669.25	BOX (SEE OUTLET DETAIL)	7514
#21	674.29	ENERGY DISSIPATING HW	-
#22	673.75	SINGLE BOX	7514

DRAINAGE STRUCTURE TABLE								
NAME	STRUC (DN)	STRUC (UP)	INV (DN)	INV (UP)	LENGTH (FT)	SLOPE (%)	TYPE	SIZE (IN)
A	#1	#2	671.25	671.55	100	0.30	RCP III	18
B	#2	#3	671.57	671.67	19	0.50	RCP III	18
C	#3	#4	671.67	671.79	24	0.50	RCP III	15
D	#4	#5	671.79	671.88	19	0.50	RCP III	15
E	#6	#7	673.90	675.86	100	1.96	RCP III	15
F	#7	#8	675.86	676.03	27	0.63	RCP III	15
G	#9	#10	668.00	668.88	207	0.43	RCP III	18
H	#10	#11	671.33	672.67	154	0.87	RCP III	18
I	#11	#12	672.67	673.98	176	0.74	RCP III	18
J	#12	#13	673.98	674.28	28	1.09	RCP III	18
K	#10	#14	668.88	669.10	23	0.93	RCP III	18
M	#17	#18	668.90	669.00	20	0.50	RCP III	24X38
N	#19	#20	666.60	666.80	20	1.00	RCP III	4-24
O	#21	#22	670.17	670.25	20	0.40	RCP III	30

COMPASS WAY					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
5+51.23	195.00'	171.31'	50°20'08.53"	29°22'56.82"	165.86'
11+10.00	195.00'	175.27'	51°29'51.48"	29°22'56.82"	169.43'
17+90.06	175.00'	39.90'	13°03'48.43"	32°44'25.60"	39.81'
21+35.48	225.00'	334.47'	85°10'16.66"	25°27'53.25"	304.51'
26+17.08	175.00'	33.28'	10°53'51.14"	32°44'25.60"	33.23'
29+19.64	175.00'	37.65'	12°19'34.02"	32°44'25.60"	37.58'
40+72.13	225.00'	89.97'	22°54'42.47"	25°27'53.25"	89.38'
43+24.83	225.00'	134.55'	34°15'50.55"	25°27'53.25"	132.56'

Survey Control

Field Survey performed from: 09-6 to 09-27, 2016.
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BENCHMARK #1:
TR/IPS
ELEV: 678.87

BENCHMARK #2:
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ELEV: 672.72

Legend:			
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	EXIST. WATER METER		TURN LANE ARROWS
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EROSION CONTROL SILT FENCE		SF SF	
EROSION EEL		E E E E	
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EXISTING FENCELINE		X X	
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PHASE BOUNDARY		---	
EXISTING GAS LINE		GAS GAS	
PROPOSED GAS LINE		GAS GAS	
EXISTING STORM		STM STM	
PROPOSED STORM		STM 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	

811

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50' 0 50' 100'

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850 MIDDLE TENNESSEE BOULEVARD MURFREESBORO, TENNESSEE 37129

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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 responsibility of the engineer to ensure that the design is in total accordance with the design as noted, described, and illustrated. The engineer assumes no administrative liability or responsibility in the assurance that the site is constructed in accordance with the construction plans.

RUTHERFORD COUNTY ENGINEERING

Clearview Acres
Section 1
Rutherford County, TN

Grading and Drainage and
Intermediate EPSC Plan

REVISIONS:

DRAWN: MLG

DATE: 9-22-16

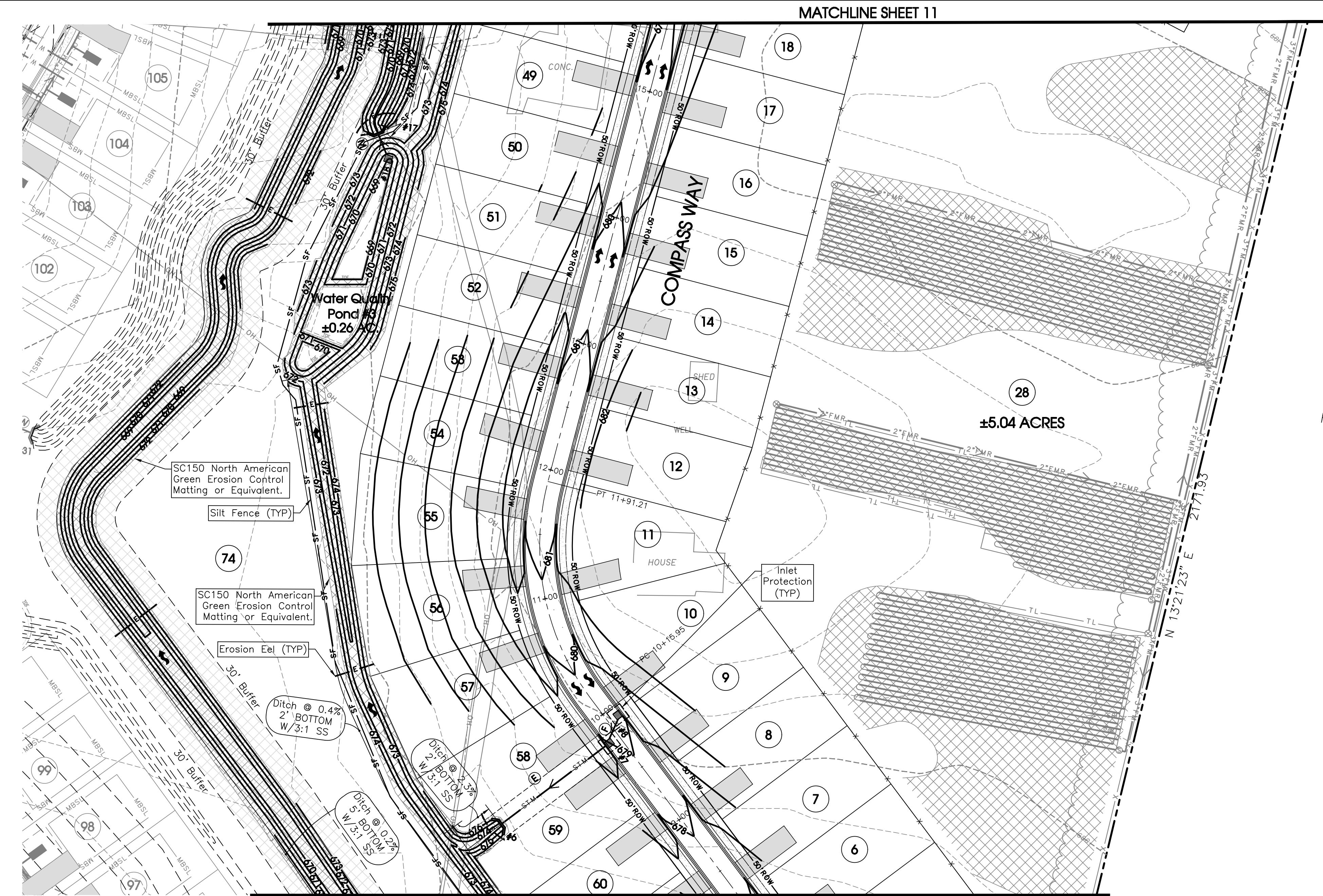
CHECKED: RH

FILE NAME: 14300projectP1

SCALE: 1"=50'

JOB NO. 14300

SHEET: 9 of 15



MAP 159, PARCEL 7
FINIS WINSTON POOLE, ETUX
D.B.K. 180, PG. 564
ZONED;RM

DRAINAGE STRUCTURE TABLE			
NAME	T.O.G. ELEV (FT)	DESCRIPTION	JB&S CASTING #
#1	674.79	ENERGY DISSIPATING HW	—
#2	674.38	SINGLE BOX	1-3104V
#3	674.35	SINGLE BOX	1-3104
#4	674.35	SINGLE BOX	1-3104
#5	674.38	SINGLE BOX	1-3104V
#6	676.90	ENERGY DISSIPATING HW	—
#7	678.86	SINGLE BOX	1-3104V
#8	679.03	SINGLE BOX	1-3104V
#9	670.50	ENERGY DISSIPATING HW	—
#10	674.27	SINGLE BOX	1-3104V
#11	675.67	SINGLE BOX	1-3104V
#12	676.98	DOUBLE BOX	2-3104
#13	677.28	SINGLE BOX	1-3104V
#14	672.10	CONCRETE WINGED HW	—
#17	671.90	ENERGY DISSIPATING HW	—
#18	671.50	SINGLE BOX	7514
#19	669.60	ENERGY DISSIPATING HW	—
#20	669.25	BOX (SEE OUTLET DETAIL)	7514
#21	674.29	ENERGY DISSIPATING HW	—
#22	673.75	SINGLE BOX	7514

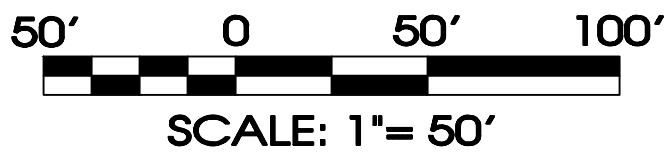
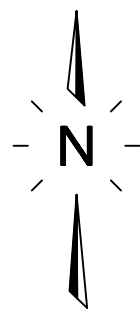
DRAINAGE STRUCTURE TABLE								
NAME	STRUC (DN)	STRUC (UP)	INV (DN)	INV (UP)	LENGTH (FT)	SLOPE (%)	TYPE	SIZE (IN)
A	#1	#2	671.25	671.55	100	0.30	RCP III	18
B	#2	#3	671.57	671.67	19	0.50	RCP III	18
C	#3	#4	671.67	671.79	24	0.50	RCP III	15
D	#4	#5	671.79	671.88	19	0.50	RCP III	15
E	#6	#7	673.90	675.86	100	1.96	RCP III	15
F	#7	#8	675.86	676.03	27	0.63	RCP III	15
G	#9	#10	668.00	668.88	207	0.43	RCP III	18
H	#10	#11	671.33	672.67	154	0.87	RCP III	18
I	#11	#12	672.67	673.98	176	0.74	RCP III	18
J	#12	#13	673.98	674.28	28	1.09	RCP III	18
K	#10	#14	668.88	669.10	23	0.93	RCP III	18
M	#17	#18	668.90	669.00	20	0.50	RCP III	24X38
N	#19	#20	666.60	666.80	20	1.00	RCP III	4-24
O	#21	#22	670.17	670.25	20	0.40	RCP III	30

COMPASS WAY					
PI Station	Radius Length	Arc Length	Delta Angle	Degree of Curve	Chord Length
5+51.23	195.00'	171.31'	50°20'08.53"	29°22'56.82"	165.86'
11+10.00	195.00'	175.27'	51°29'51.48"	29°22'56.82"	169.43'
17+90.06	175.00'	39.90'	13°03'48.43"	32°44'25.60"	39.81'
21+35.48	225.00'	334.47'	85°10'16.66"	25°27'53.25"	304.51'
26+17.08	175.00'	33.28'	10°53'51.14"	32°44'25.60"	33.23'
29+19.64	175.00'	37.65'	12°19'34.02"	32°44'25.60"	37.58'
40+72.13	225.00'	89.97'	22°54'42.47"	25°27'53.25"	89.38'
43+24.83	225.00'	134.55'	34°15'50.55"	25°27'53.25"	132.56'

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 and 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 and 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 and 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		_____ 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		■■	



Know what's below.
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Survey Control

Field Survey performed from: 09-6 to 09-27, 2016.
Horizontal and vertical survey control is tied to the Tennessee State Plane coordinate system (NAD83/NAVD88), referenced from Rutherford County Control monument number RCC-020.

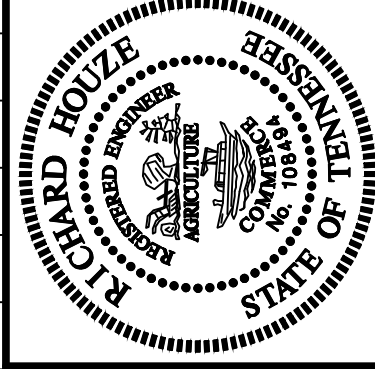
BENCHMARK #1:

TR/IPS
ELEV: 678.87

BENCHMARK #2:

RR SPIKE IN WOOD POST
ELEV: 672.72

SEC, Inc.
SITE ENGINEERING CONSULTANTS
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Section 1

Rutherford County, TN

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FILE NAME:
14300projectP1
SCALE:
1"=50'
JOB NO.
14300
SHEET:

10 of 15



MATCHLINE SHEET 10

Survey Control
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
















































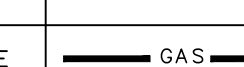
BENCHMARK #1:
RR SPIKE IN WOOD POST
N: 504471.39
E: 1840438.03
ELEV: 677.72

BENCHMARK #2:
IPF SEC
N: 504953.31
E: 1840265.95
ELEV: 679.25

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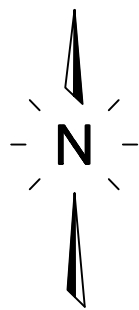
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	EXTERIOR CLEANOUT ECO		CONCRETE SWALE
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EXISTING PHONE		_____ PH _____	
EXISTING ELECTRIC		_____ OH _____	
PROPERTY LINE		=====	
EASEMENTS		-----	
RIGHT OF WAY		===== ROW =====	
EROSION CONTROL SILT FENCE		_____ SF _____ SF _____	
EROSION EEL		_____ E _____ E _____ E _____ E _____	
EXISTING TREELINE			
EXISTING FENCELINE		_____ X _____ X _____	
MINIMUM BUILDING SETBACK LINE		_____ MBSL _____	
PHASE BOUNDARY		■■	



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50' 0 50' 100'
SCALE: 1"= 50'

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