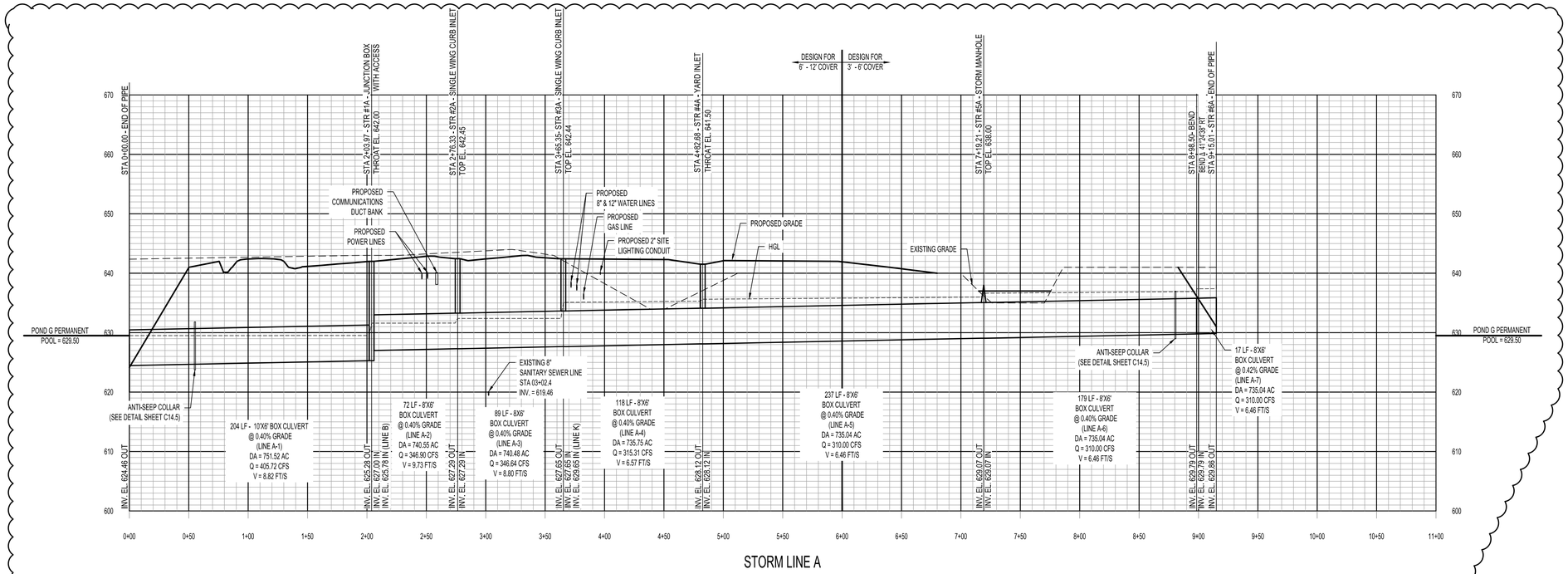

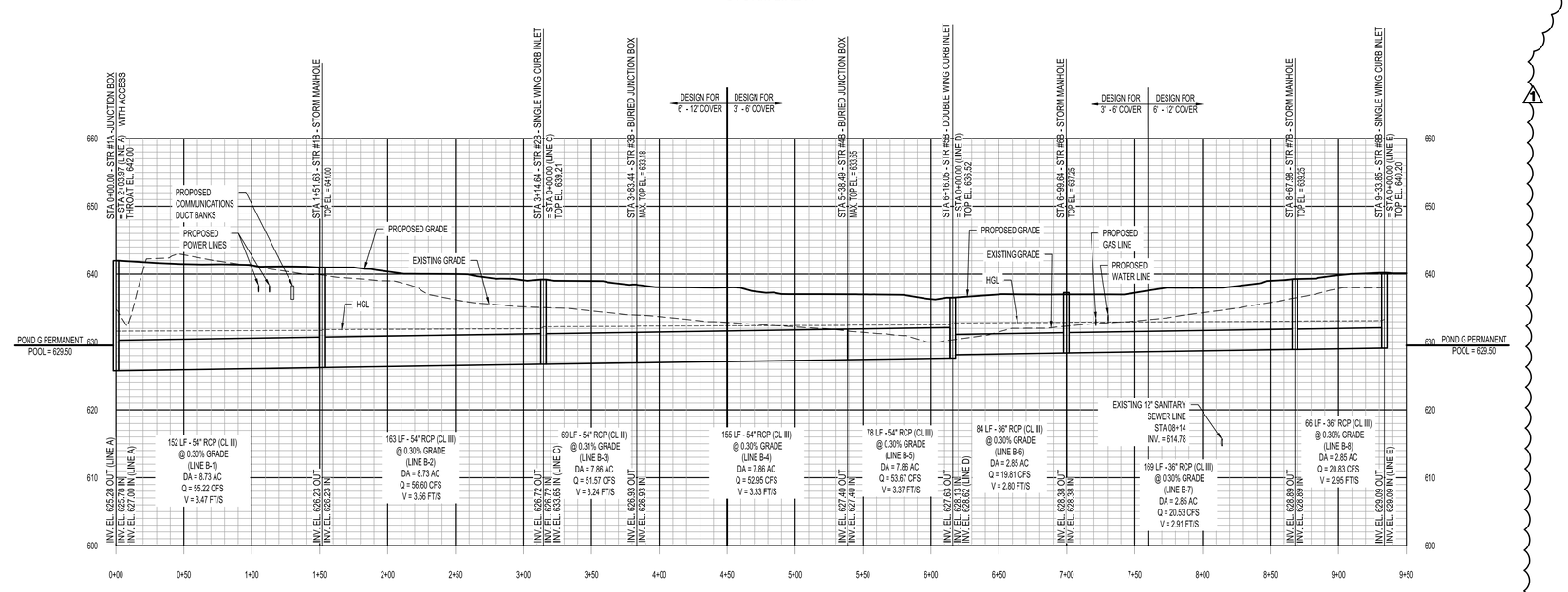

Line ID	Flow Rate (cfs)	Line Size (in)	Line Type	InvertDn (ft)	InvertUp (ft)	HGLDn (ft)	HGLUp (ft)	Line Slope (%)	VelAve (ft/s)
Line A-1	405.72	72 x 120	Box	624.46	625.28	629.50	629.51	0.40	8.82
Line A-2	346.90	72 x 96	Box	627.00	627.29	631.60	631.61	0.40	9.73
Line A-3	346.64	72 x 96	Box	627.29	627.65	632.39	632.40	0.40	8.80
Line A-4	315.31	72 x 96	Box	627.65	628.12	635.10	635.29	0.40	6.57
Line A-5	310.00	72 x 96	Box	628.12	629.07	635.63	636.00	0.40	6.46
Line A-6	310.00	72 x 96	Box	629.07	628.79	636.64	636.92	0.40	6.46
Line A-7	310.00	72 x 96	Box	629.79	629.86	637.38	637.40	0.42	6.46
Line B-1	55.22	54.00	Cir	625.78	626.23	631.60	631.72	0.30	3.47
Line B-2	56.60	54.00	Cir	626.23	626.72	631.82	631.95	0.30	3.56
Line B-3	51.57	54.00	Cir	626.72	626.93	632.25	632.29	0.31	3.24
Line B-4	52.95	54.00	Cir	626.93	627.40	632.33	632.44	0.30	3.33
Line B-5	53.67	54.00	Cir	627.40	627.63	632.48	632.54	0.30	3.37
Line B-6	19.81	36.00	Cir	628.13	628.38	632.80	632.88	0.30	2.80
Line B-7	20.53	36.00	Cir	628.38	628.89	632.90	633.06	0.30	2.91
Line B-8	20.83	36.00	Cir	628.89	629.09	633.09	633.16	0.30	2.95

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4. SEE SHEETS C9.0 TO C9.5 FOR STORM PIPE LAYOUT INFORMATION.

* POND F PERMANENT POOL ELEVATION = 633.50 (FINAL DEVELOPMENT).
** POND G PERMANENT POOL ELEVATION = 629.50 (FINAL DEVELOPMENT).

SCALE:
1"=50' HORIZONTAL
1"=10' VERTICAL
HGL
EXISTING GRADE
PROPOSED GRADE
STORM SEWER

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ALABAMA REGISTERED No. 26754 PROFESSIONAL ENGINEER
1/30/2012

HUNTSVILLE
The Star of Alabama

REV	DATE	DRAWN	CHECKED	DESCRIPTION	DATE:
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN	JANUARY 27, 2012

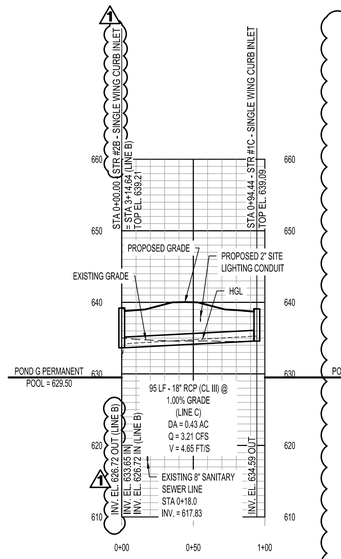
TRAFFIC	R/A & ESTATE	PK	DRAINAGE
	CONS. REVIEW		

DRAWN: BSJ
CHECKED: RAN

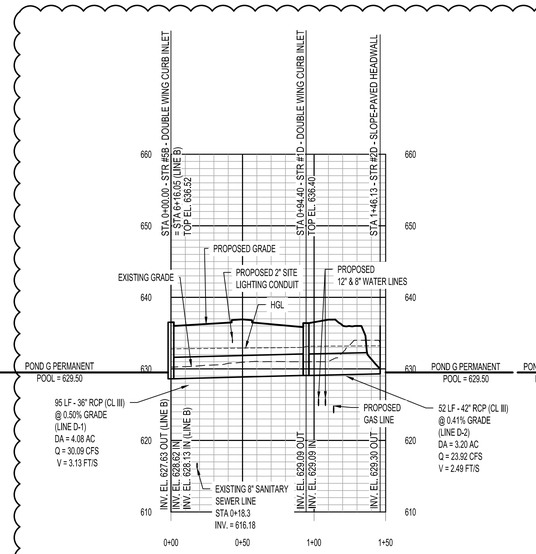
STORM PROFILES

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

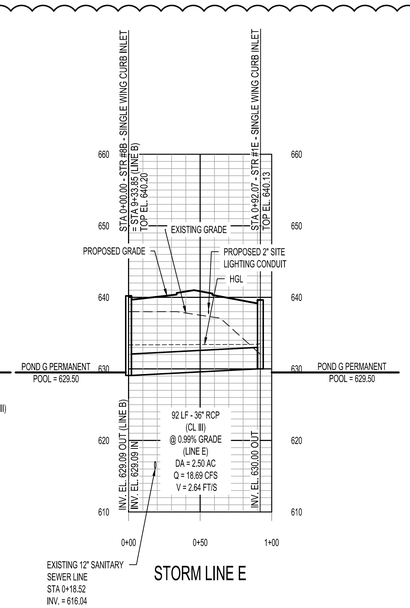
C9.6-R1



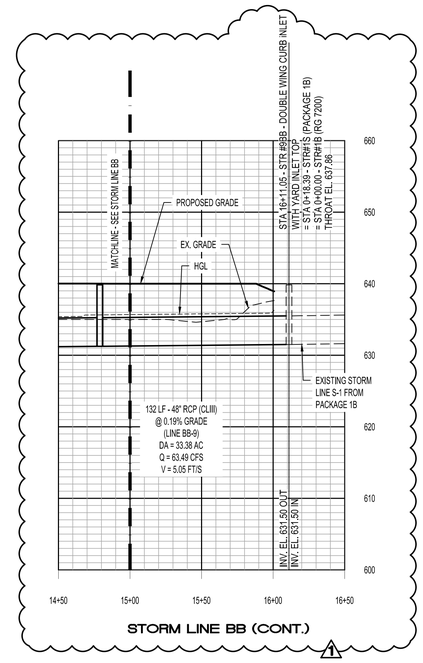
STORM LINE C



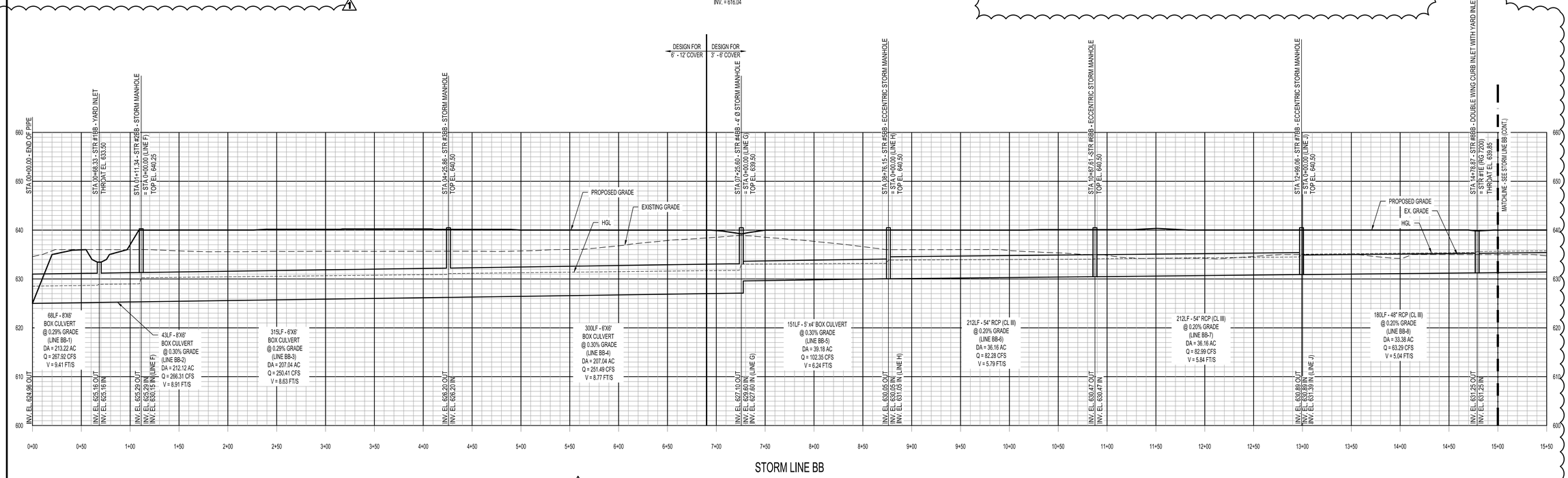
STORM LINE D



STORM LINE E



STORM LINE BB (CONT.)



STORM LINE BB

LineID	FlowRate (cfs)	Line Size (in)	LineType	InvertDn (ft)	InvertUp (ft)	HGLDn (ft)	HGLUp (ft)	Line Slope (%)	VelAve (ft/s)
Line BB-1	267.92	72 x 96	Box	624.96	625.16	628.52	628.72	0.29	9.41
Line BB-2	266.31	72 x 96	Box	625.16	625.29	628.93	629.00	0.30	8.91
Line BB-3	250.41	72 x 72	Box	625.29	626.20	630.25	630.92	0.29	8.63
Line BB-4	251.49	72 x 72	Box	626.20	627.10	631.10	631.77	0.30	8.77
Line BB-5	102.35	48 x 60	Box	629.60	630.05	633.02	633.20	0.30	6.24
Line BB-6	82.28	54.00	Cir	630.05	630.47	633.86	634.20	0.20	5.79
Line BB-7	82.99	54.00	Cir	630.47	630.89	634.28	634.62	0.20	5.84
Line BB-8	63.29	48.00	Cir	630.89	631.25	635.16	635.51	0.20	5.04
Line BB-9	63.49	48.00	Cir	631.25	631.50	635.70	635.96	0.19	5.05
Line C	3.21	18.00	Cir	633.65	634.59	634.22	635.27	1.00	4.65
Line D-1	30.20	36.00	Cir	628.62	629.09	632.80	633.00	0.50	4.27
Line D-2	23.92	36.00	Cir	629.09	629.30	633.16	633.23	0.41	3.38
Line E	18.69	36.00	Cir	629.09	630.00	633.36	633.43	0.99	2.64

* POND F PERMANENT POOL ELEVATION = 633.50 (FINAL DEVELOPMENT).
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SPECIAL NOTES:
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SCALE:
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EXISTING GRADE
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1/30/2012

HUNTSVILLE The Star of Alabama

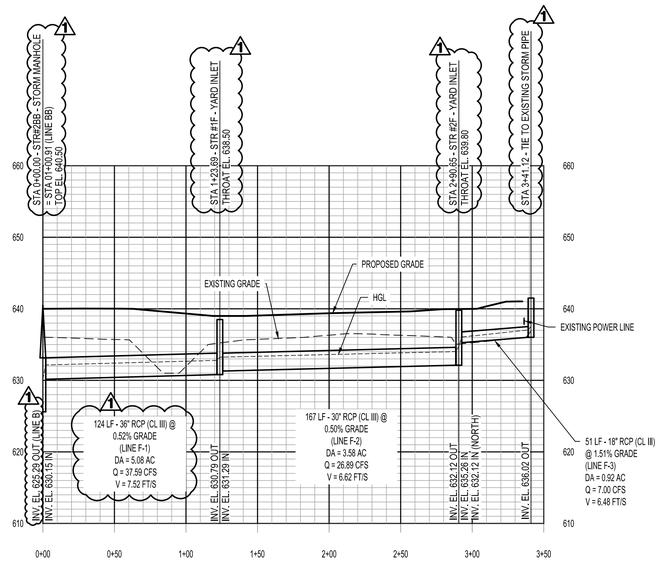
STORM PROFILES

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

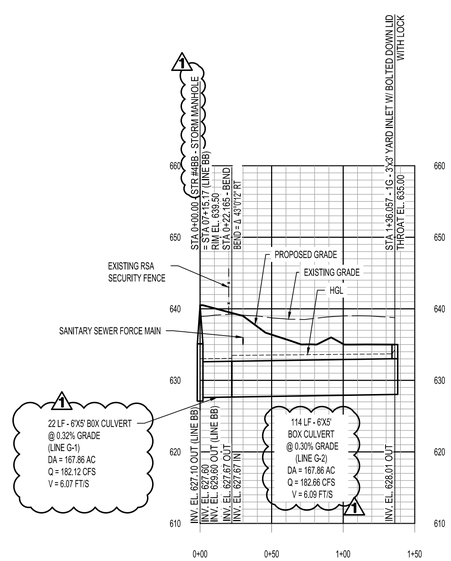
REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE CONV. REQUIR.	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012

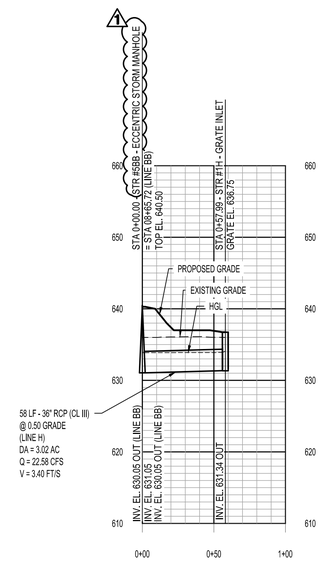
C9.7-R1



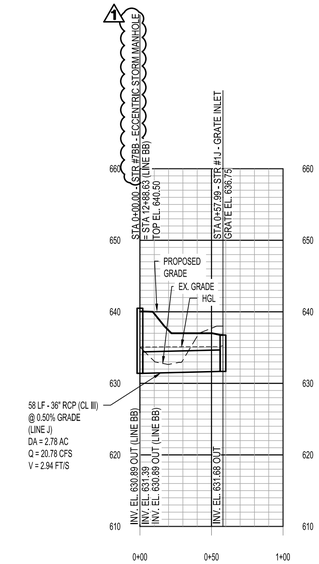
STORM LINE F



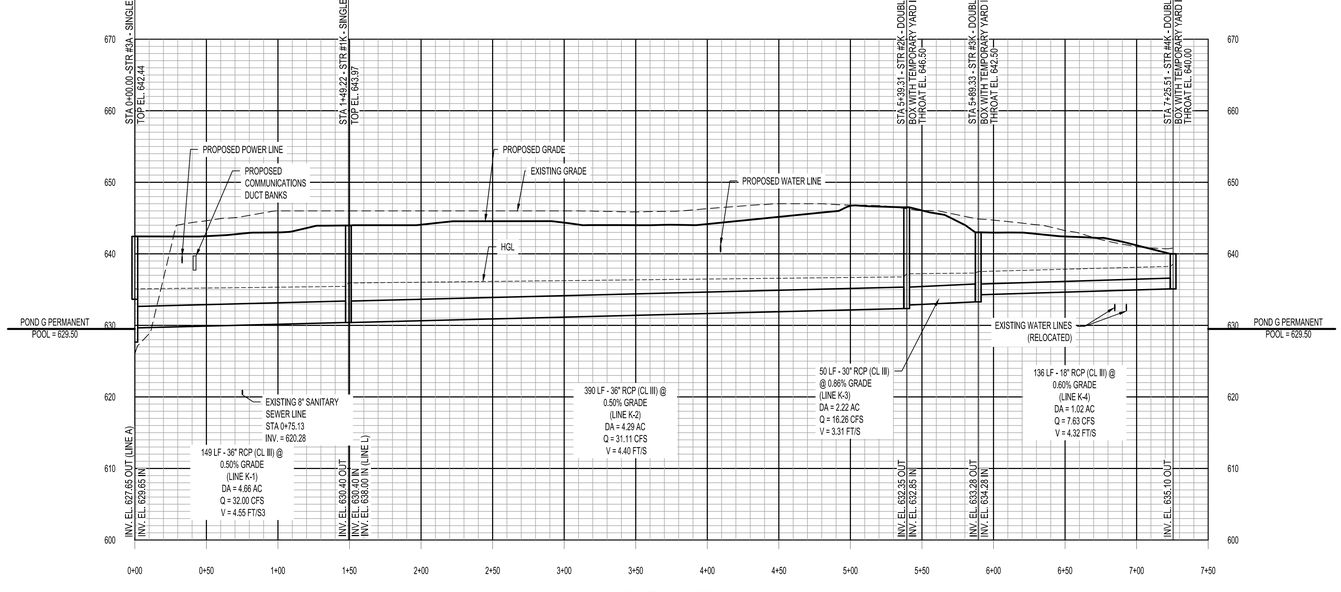
STORM LINE G



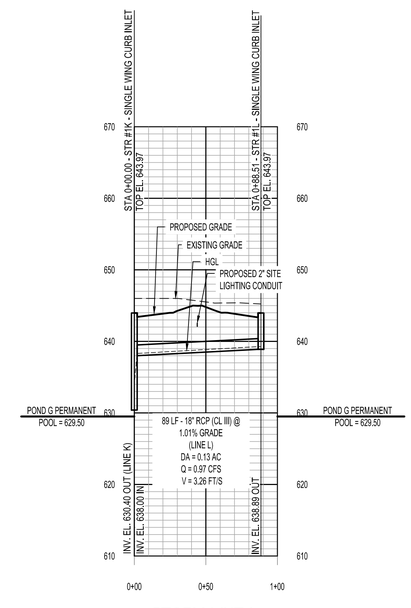
STORM LINE H



STORM LINE J



STORM LINE K



STORM LINE L

Line ID	Flow Rate (cfs)	Line Size (in)	Line Type	Invert Dn (ft)	Invert Up (ft)	HGL Dn (ft)	HGL Up (ft)	Line Slope (%)	Vel Ave (ft/s)
Line F-1	37.59	36	Cir	630.15	630.79	632.15	632.79	0.52	7.52
Line F-2	26.89	30	Cir	631.29	632.12	633.24	634.02	0.50	6.62
Line F-3	7	18	Cir	635.26	636.02	636.05	637.03	1.51	6.48
Line G-1	182.12	60 x 72	Box	627.60	627.67	633.02	633.06	0.32	6.07
Line G-2	182.66	60 x 72	Box	627.67	628.01	633.48	633.70	0.30	6.09
Line H	22.58	36	Cir	631.05	631.34	633.86	633.89	0.50	3.40
Line J	20.78	36	Cir	631.39	631.68	635.16	635.21	0.50	2.94
Line K-1	32	36	Cir	629.65	630.40	635.10	635.45	0.50	4.53
Line K-2	31.11	36	Cir	630.40	632.35	635.93	636.77	0.50	4.40
Line K-3	16.26	30	Cir	632.85	633.28	637.23	637.31	0.86	3.31
Line K-4	7.63	18	Cir	634.28	635.10	637.53	638.25	0.60	4.32
Line L	0.97	18	Cir	638.00	638.89	638.31	639.27	1.01	3.26

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4. SEE SHEETS C9.0 TO C9.5 FOR STORM PIPE LAYOUT INFORMATION.

SCALE:
1"=50' HORIZONTAL
1"=10' VERTICAL

HGL
EXISTING GRADE
PROPOSED GRADE
STORM SEWER

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ALABAMA REGISTERED No. 26754 PROFESSIONAL ENGINEER
1/30/2012

HUNTSVILLE The Star of Alabama

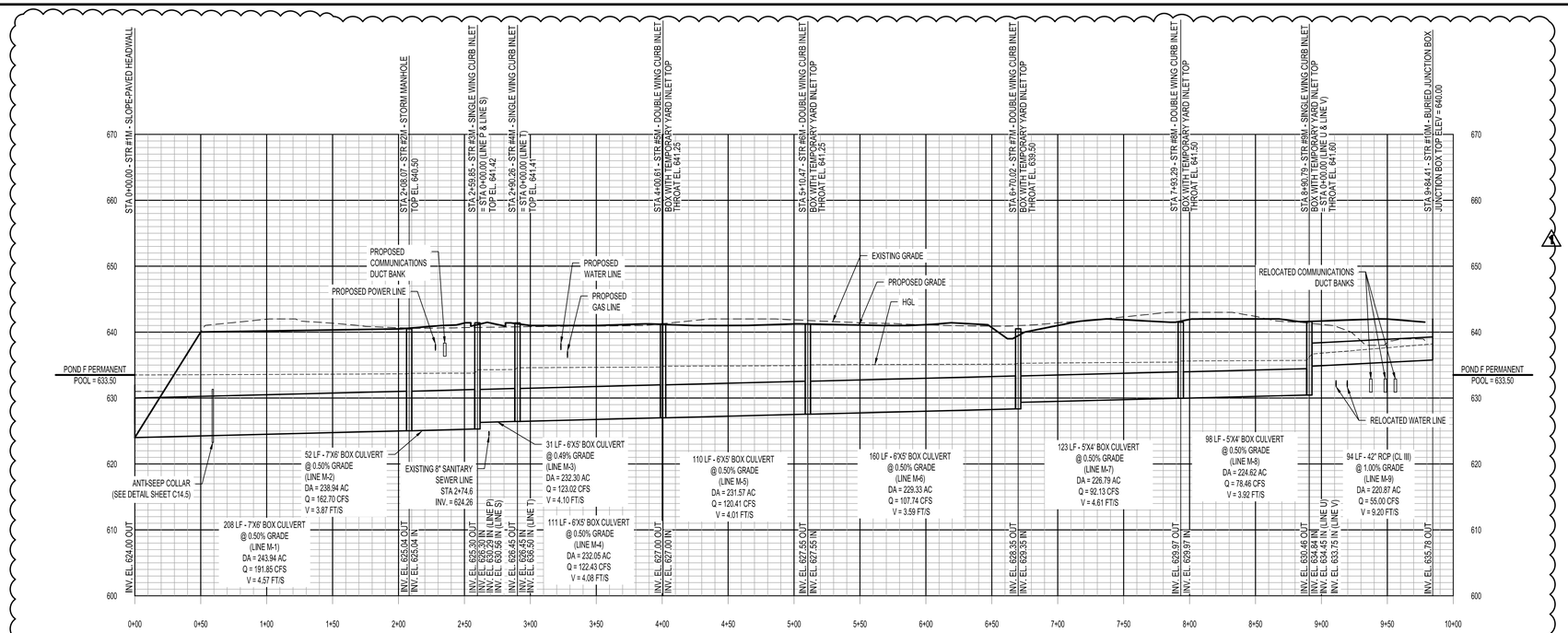
REV	DATE	DRAWN	CHECKED	DESCRIPTION	DATE	CHECKED	DRAWN
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN	JANUARY 27, 2012	RAN	BSJ

TRAFFIC | REAL ESTATE | CONTROL ROLLER | PE | DRAINAGE

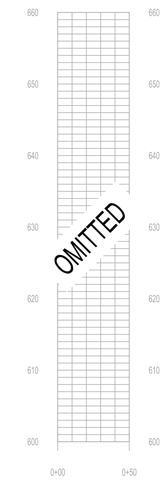
STORM PROFILES

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

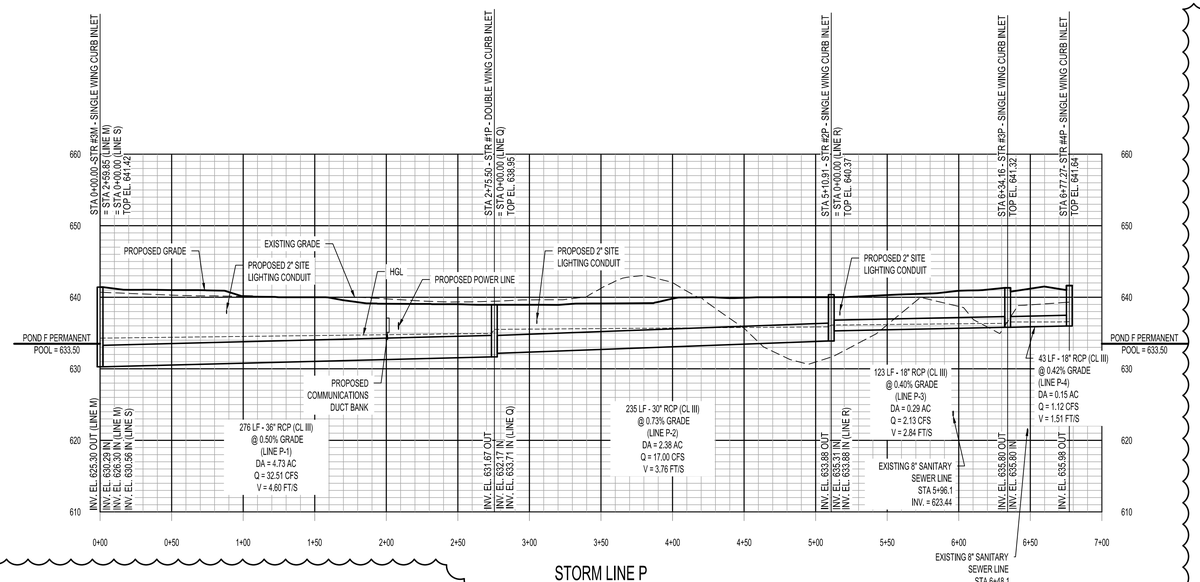
C9.8-R1



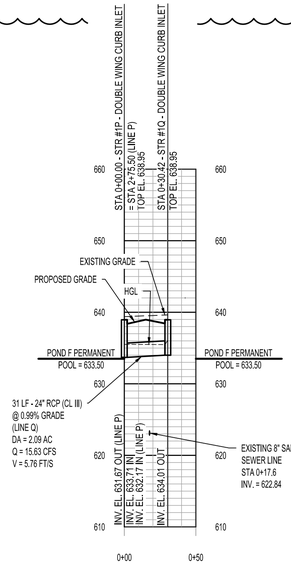
STORM LINE M



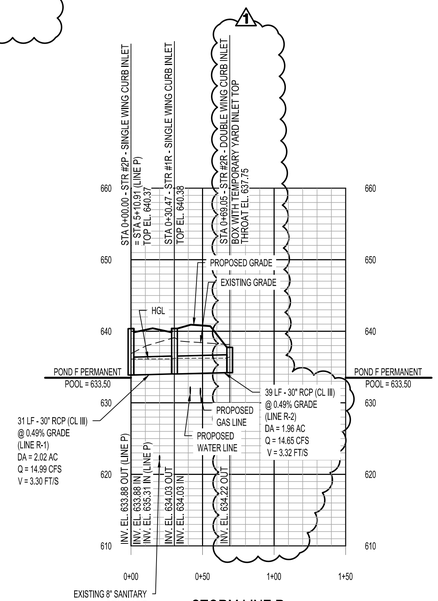
STORM LINE N



STORM LINE P



STORM LINE Q



STORM LINE R

LineID	Flow Rate (cfs)	Line Size (in)	Line Type	InvertDn (ft)	InvertUp (ft)	HGLDn (ft)	HGLUp (ft)	Line Slope (%)	VelAve (ft/s)
Line M-1	191.85	72 x 84	Box	624.00	625.04	633.50	633.68	0.50	4.57
Line M-2	162.70	72 x 84	Box	625.04	625.30	633.75	633.78	0.50	3.87
Line M-3	123.02	60 x 72	Box	626.30	626.45	634.30	634.32	0.49	4.10
Line M-4	122.43	60 x 72	Box	626.45	627.00	634.61	634.70	0.50	4.08
Line M-5	120.41	60 x 72	Box	627.00	627.55	634.83	634.92	0.50	4.01
Line M-6	107.74	60 x 72	Box	627.55	628.35	635.04	635.15	0.50	3.59
Line M-7	92.13	48 x 60	Box	629.35	629.97	635.28	635.46	0.50	4.61
Line M-8	78.46	48 x 60	Box	629.97	630.46	635.62	635.72	0.50	3.92
Line M-9	55.00	42.00	Cir	634.84	635.78	636.68	638.22	1.00	9.20
Line P-1	32.51	36.00	Cir	630.29	631.67	634.30	634.95	0.50	4.60
Line P-2	17.00	30.00	Cir	632.17	633.88	635.52	635.87	0.73	3.76
Line P-3	2.13	18.00	Cir	635.31	635.80	636.13	636.36	0.40	2.84
Line P-4	1.12	18.00	Cir	635.80	635.98	636.55	636.56	0.42	1.51
Line Q-1	15.63	24.00	Cir	633.71	634.01	635.52	635.48	0.99	5.76
Line R-1	14.99	30.00	Cir	633.88	634.03	636.13	636.15	0.49	3.30
Line R-2	14.65	30.00	Cir	634.03	634.22	636.23	636.25	0.49	3.32

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HUNTSVILLE The Star of Alabama

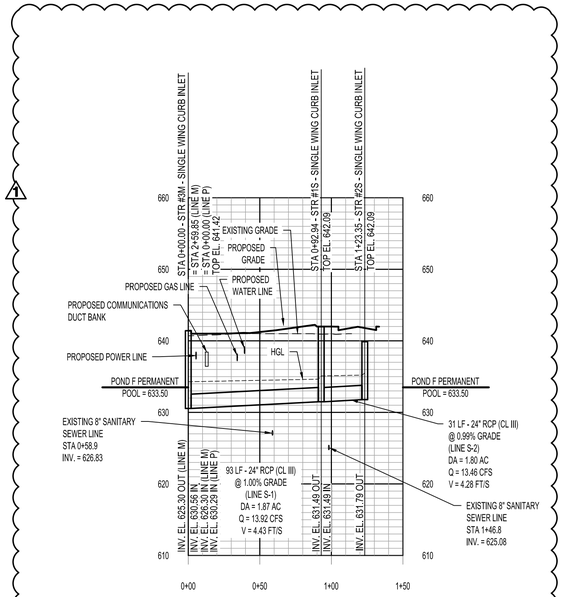
STORM PROFILES

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

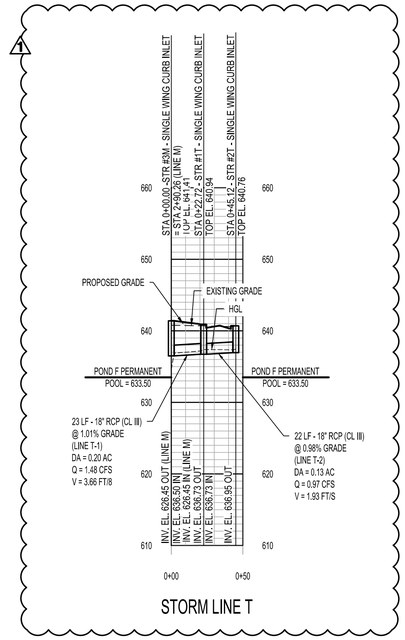
REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	CONY. REALTR	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN					

DRAWN: BSJ
DATE:
CHECKED: RAN
DATE: JANUARY 27, 2012

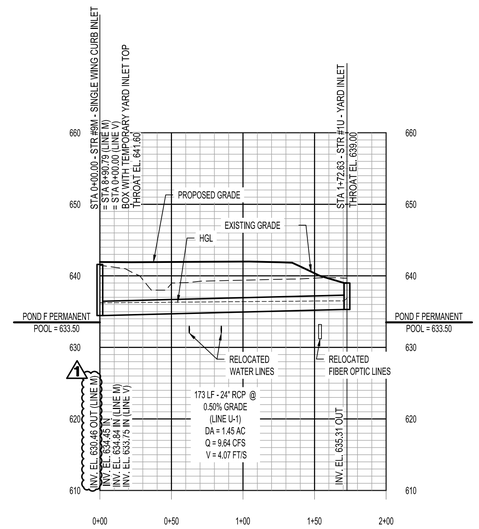
C9.9-R1



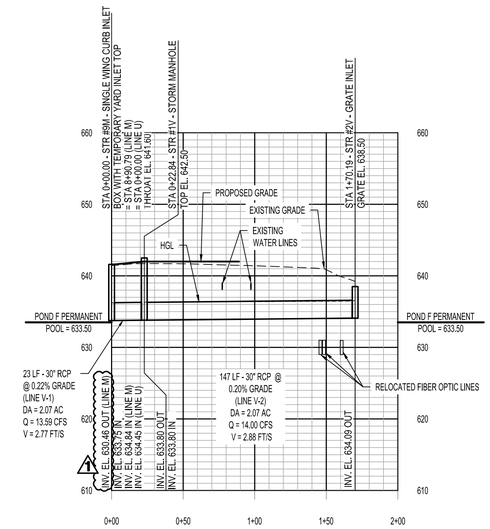
STORM LINE S



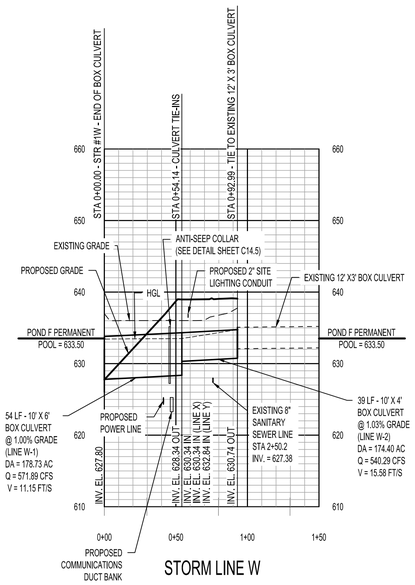
STORM LINE T



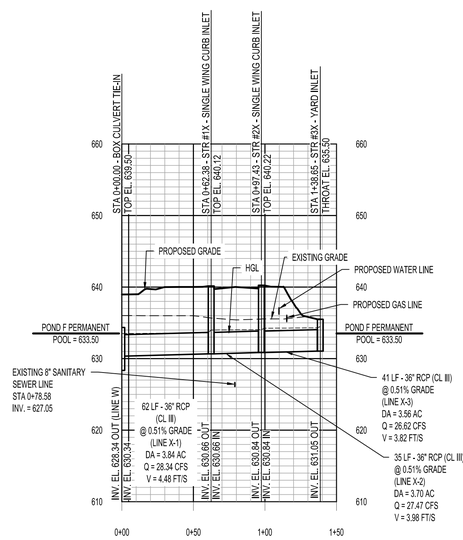
STORM LINE U



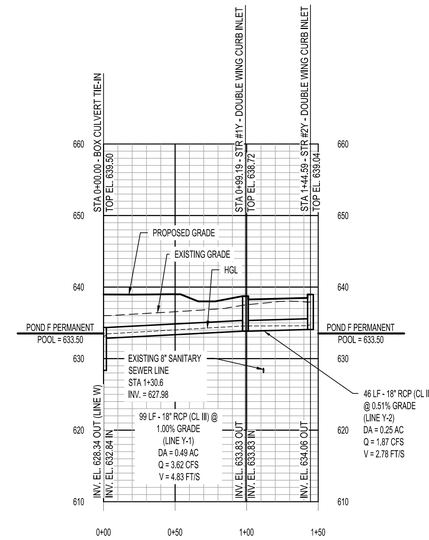
STORM LINE V



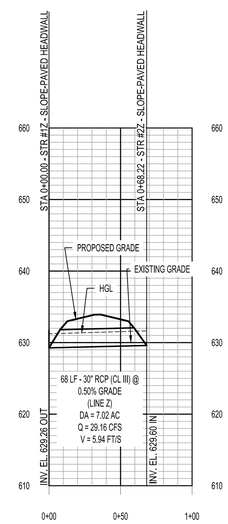
STORM LINE W



STORM LINE X



STORM LINE Y



STORM LINE Z

LineID	FlowRate (cfs)	LineSize (in)	LineType	InvertDn (ft)	InvertUp (ft)	HGLDn (ft)	HGLUp (ft)	LineSlope (%)	VelAve (ft/s)
Line S-1	13.92	24.00	Cir	630.56	631.49	634.30	634.65	1.00	4.43
Line S-2	13.46	24.00	Cir	631.49	631.79	635.11	635.21	0.99	4.28
Line T-1	1.48	18.00	Cir	636.50	636.73	636.88	637.20	1.01	3.68
Line T-2	0.97	18.00	Cir	636.73	636.95	637.38	637.35	0.98	1.93
Line U	9.64	24	Cir	634.45	635.31	636.24	636.51	0.5	4.07
Line V-1	13.59	30	Cir	633.75	633.8	636.24	636.26	0.22	2.77
Line V-2	14	30	Cir	633.8	634.09	636.32	636.47	0.2	2.88
Line W-1	571.89	72 x 120	Box	627.80	628.34	633.50	633.50	1.00	11.15
Line W-2	540.29	48 x 120	Box	630.34	630.74	633.50	634.74	1.03	15.58
Line X-1	28.34	36.00	Cir	630.34	630.66	633.50	633.61	0.51	4.48
Line X-2	27.47	36.00	Cir	630.66	630.84	633.98	634.04	0.51	3.98
Line X-3	26.62	36.00	Cir	630.84	631.05	634.24	634.30	0.51	3.82
Line Y-1	3.62	18.00	Cir	632.67	633.66	633.50	634.56	1.00	4.83
Line Y-2	1.87	18.00	Cir	633.66	633.90	634.56	634.59	0.53	2.80
Line Z	29.16	30.00	Cir	629.26	629.60	631.76	632.10	0.50	5.94

SPECIAL NOTES:
1. PIPES SIZED FOR THE 25-YEAR STORM UNLESS OTHERWISE NOTED.
2. STORM LINE A SIZED FOR 100 YR ROUTED.
3. SEE SHEETS C8.0-A TO C8.8 FOR GRADING INFORMATION.
4. SEE SHEETS C9.0 TO C9.5 FOR STORM PIPE LAYOUT INFORMATION.
5. LINE W SHOULD BE DESIGNED FOR 3' - 6' OF COVER.

* POND F PERMANENT POOL ELEVATION = 633.50 (FINAL DEVELOPMENT).
** POND G PERMANENT POOL ELEVATION = 629.50 (FINAL DEVELOPMENT).

SCALE:
1"=50' HORIZONTAL
1"=10' VERTICAL
HGL
EXISTING GRADE
PROPOSED GRADE
STORM SEWER

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1/30/2012

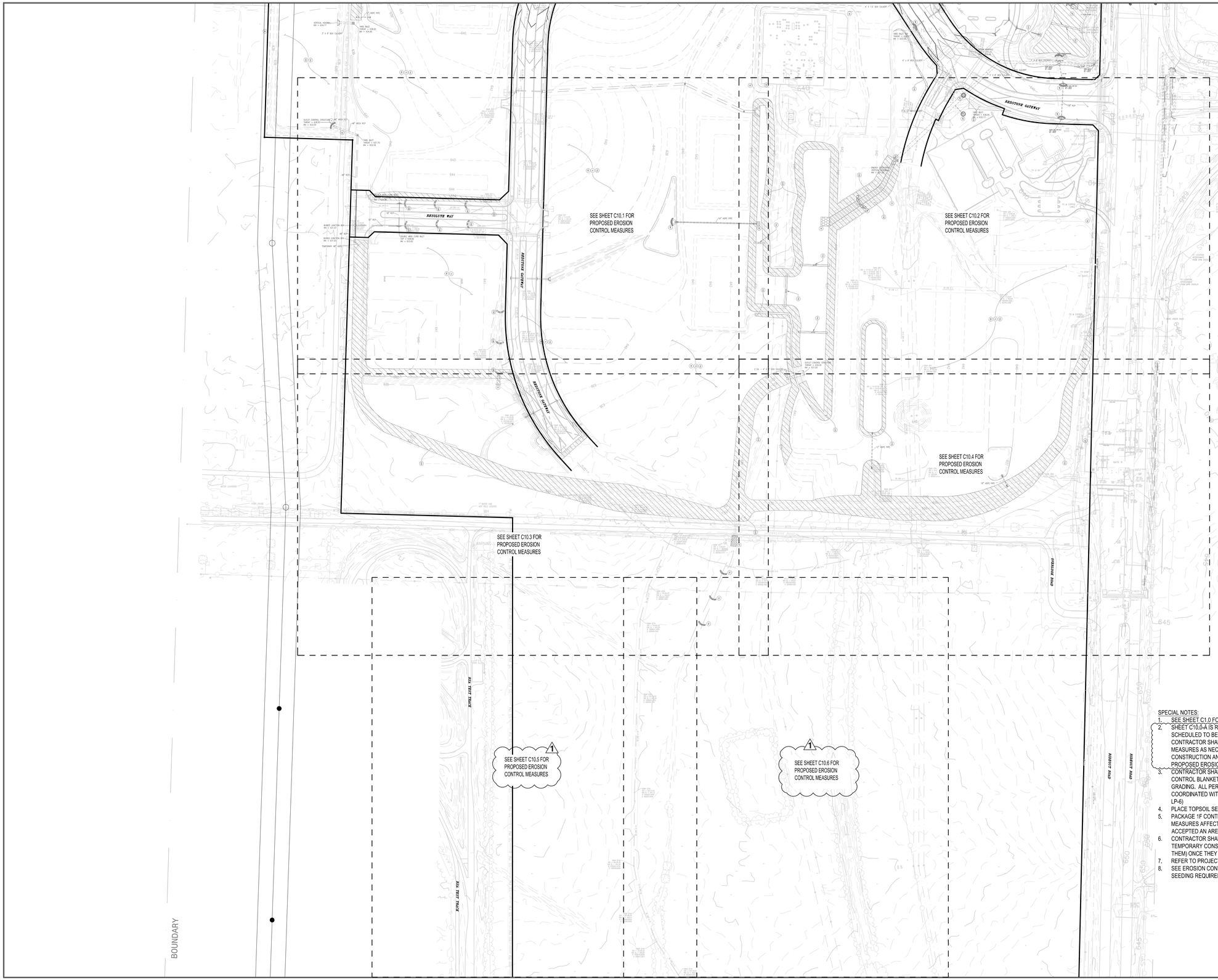
HUNTSVILLE The Star of Alabama

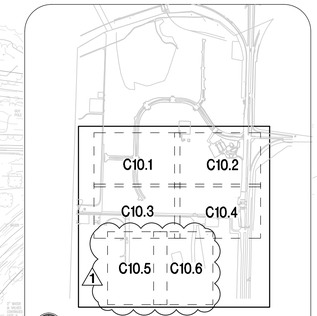
REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012

STORM PROFILES
REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

C9.10-R1





SITE KEY MAP
N.T.S.

NOTE:
SEE SHEET C10.0-B FOR OVERALL EROSION CONTROL LAYOUT SOUTH OF OVERLOOK ROAD.

SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL GENERAL NOTES.
2. SHEET C10.0-A IS REPRESENTATIVE OF ALL EROSION CONTROL MEASURES SCHEDULED TO BE INSTALLED IN PACKAGE 1A AND 1B. THE PACKAGE 1F CONTRACTOR SHALL MODIFY, REMOVE, AND INSTALL EROSION CONTROL MEASURES AS NECESSARY THROUGHOUT THE DURATION AND PHASING OF CONSTRUCTION AND AS A MINIMUM INSTALL PROPOSED MEASURES PER THE PROPOSED EROSION CONTROL PLANS (C10.1 THROUGH C10.8).
3. CONTRACTOR SHALL PLACE TOPSOIL, SEED, FERTILIZER, AND EROSION CONTROL BLANKETS (ECB) IMMEDIATELY UPON THE COMPLETION OF THE GRADING. ALL PERMANENT EROSION CONTROL MEASURES SHALL BE CLOSELY COORDINATED WITH THE LANDSCAPING PLANS (SEE SHEETS LH-1 THROUGH LP-6)
4. PLACE TOPSOIL SEED AND EROSION BLANKET WHERE ECB IS DESIGNATED.
5. PACKAGE 1F CONTRACTOR IS RESPONSIBLE FOR PACKAGE 1A AND 1B BMP MEASURES AFFECTING THEIR WORK ONCE PACKAGE 1F CONTRACTOR HAS ACCEPTED AN AREA.
6. CONTRACTOR SHALL MAINTAIN AND REMOVE ANY EROSION CONTROL OR TEMPORARY CONSTRUCTION ITEMS (BY THE CONTRACTOR THAT INSTALLED THEM) ONCE THEY ARE ESTABLISHED OR NO LONGER REQUIRED.
7. REFER TO PROJECT SPECIFICATIONS FOR WILDFLOWER MIX CRITERIA.
8. SEE EROSION CONTROL NOTES ON SHEET C1.0 FOR ALDOT AND WILDFLOWER SEEDING REQUIREMENTS.

NORTH

0 75 150 300
SCALE 1" = 150'

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HUNTSVILLE
The Star of Alabama

EXISTING EROSION CONTROL PLAN - FOR REFERENCE ONLY

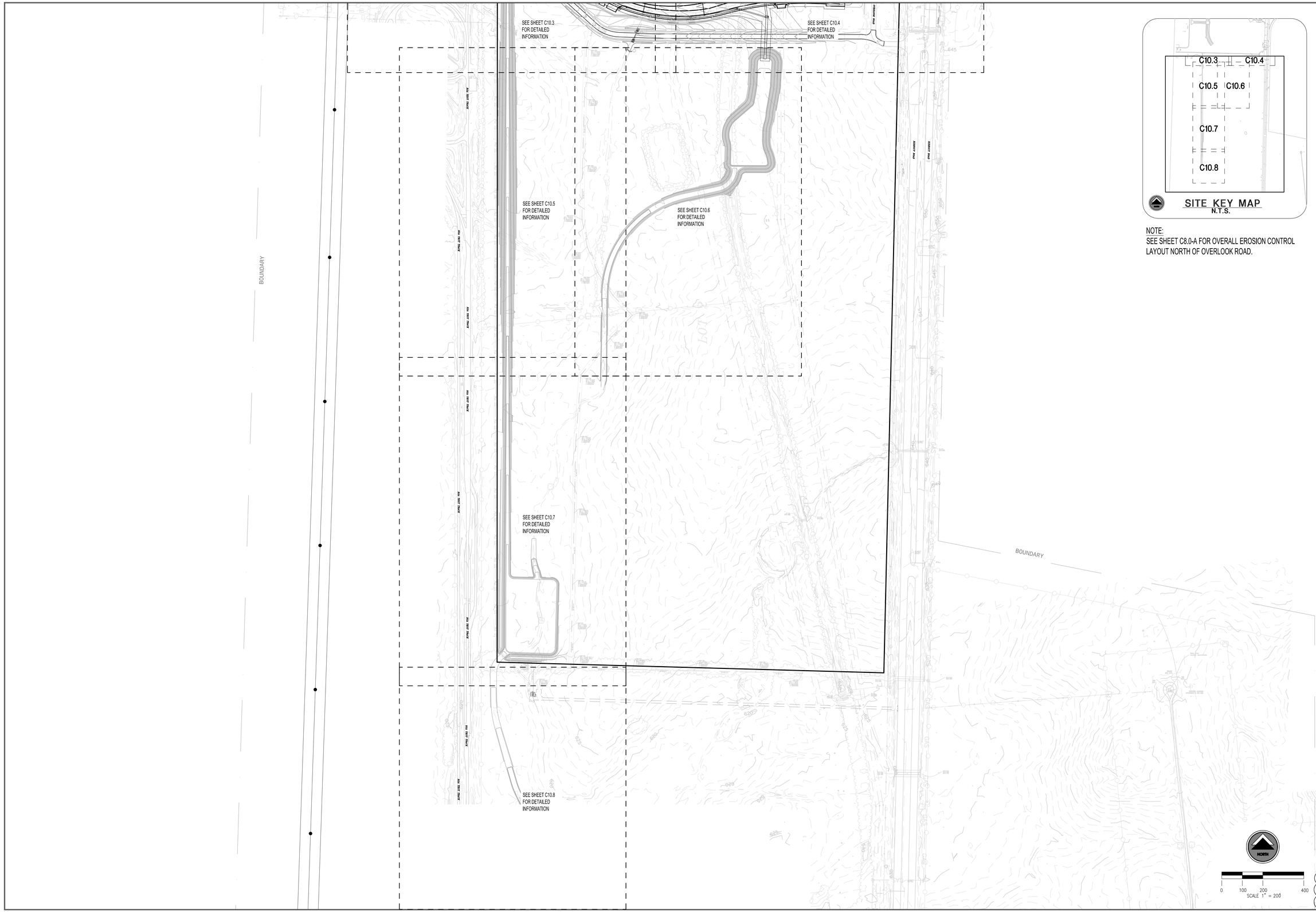
REDSTONE GATEWAY - PACKAGE 1F

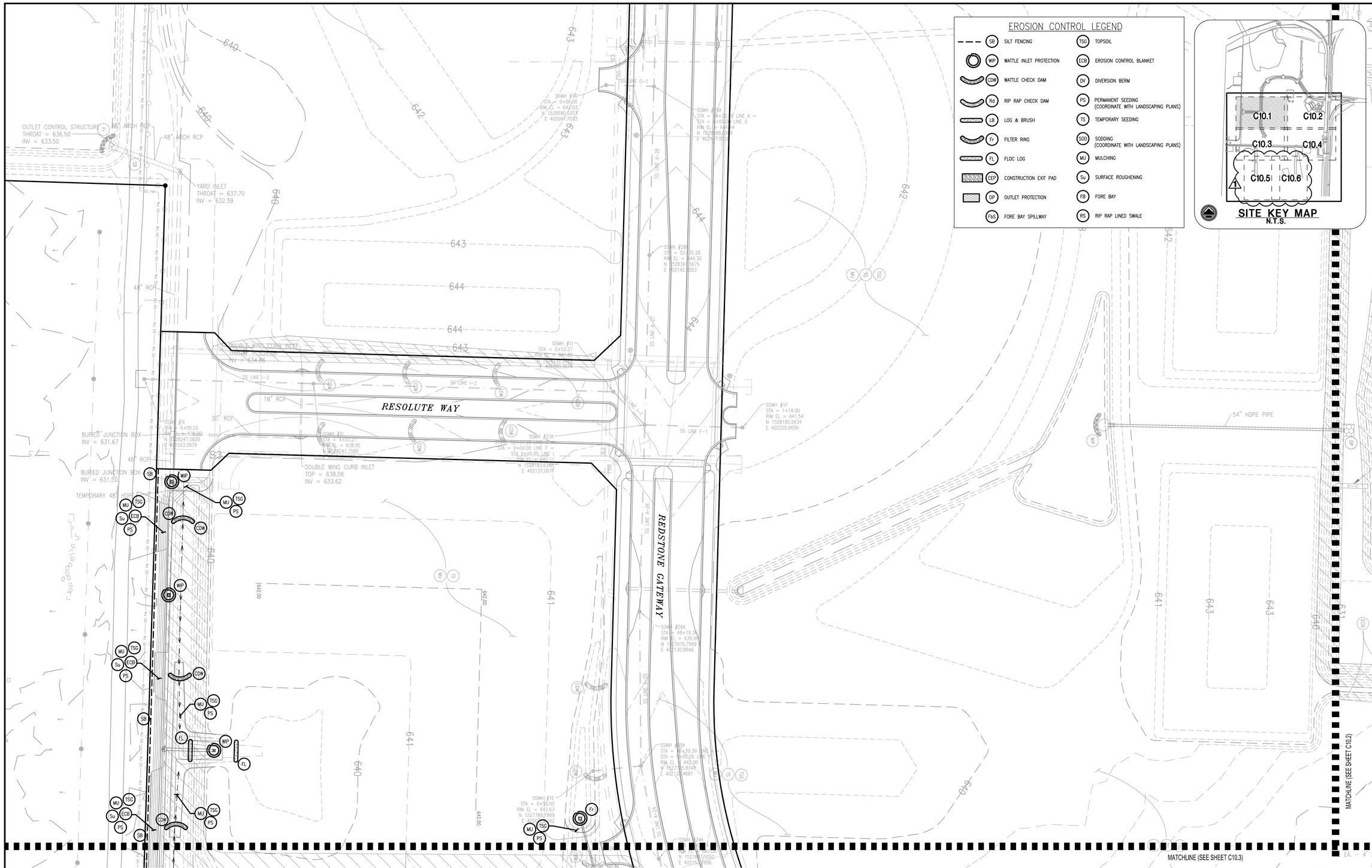
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	CON REVIEW	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN					

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012

C10.0-A-R1


SEE SHEET C10.3
FOR DETAILED
INFORMATION
SEE SHEET C10.4
FOR DETAILED
INFORMATION
SEE SHEET C10.5
FOR DETAILED
INFORMATION
SEE SHEET C10.6
FOR DETAILED
INFORMATION
SEE SHEET C10.7
FOR DETAILED
INFORMATION
SEE SHEET C10.8
FOR DETAILED
INFORMATION
BOUNDARY
BOUNDARY
RR TRAY TRACK
RR TRAY TRACK
RR TRAY TRACK



EROSION CONTROL LEGEND

SB	SILT FENCING	TSG	TOPSOIL
WIP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
Rd	RIP RAP CHECK DAM	PS	PERMANENT SEEDING (COORDINATE WITH LANDSCAPING PLANS)
LB	LOG & BRUSH	TS	TEMPORARY SEEDING
Fr	FILTER RING	SOD	SODDING (COORDINATE WITH LANDSCAPING PLANS)
FL	FLOC LOG	MU	MULCHING
CEP	CONSTRUCTION EXIT PAD	Su	SURFACE ROUGHENING
OP	OUTLET PROTECTION	FB	FORE BAY
FbS	FORE BAY SPILLWAY	RS	RIP RAP LINED SWALE

SITE KEY MAP
N.T.S.

SPECIAL NOTES:

1. SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.
2. SEE SHEET C10.0-A FOR ADDITIONAL EROSION CONTROL PROJECT NOTES.
3. EXISTING EROSION CONTROL BLANKET AND OTHER BMPS IN DITCHES TO BE FILLED SHALL BE REMOVED PRIOR TO FILLING DITCH.
4. REFER TO PROJECT SPECIFICATIONS FOR WILDFLOWER MIX CRITERIA.
5. SEE EROSION CONTROL NOTES ON SHEET C1.0 FOR ALDOT AND WILDFLOWER SEEDING REQUIREMENTS.

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HUNTSVILLE
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EROSION CONTROL PLAN

REDSTONE GATEWAY - PACKAGE 1F

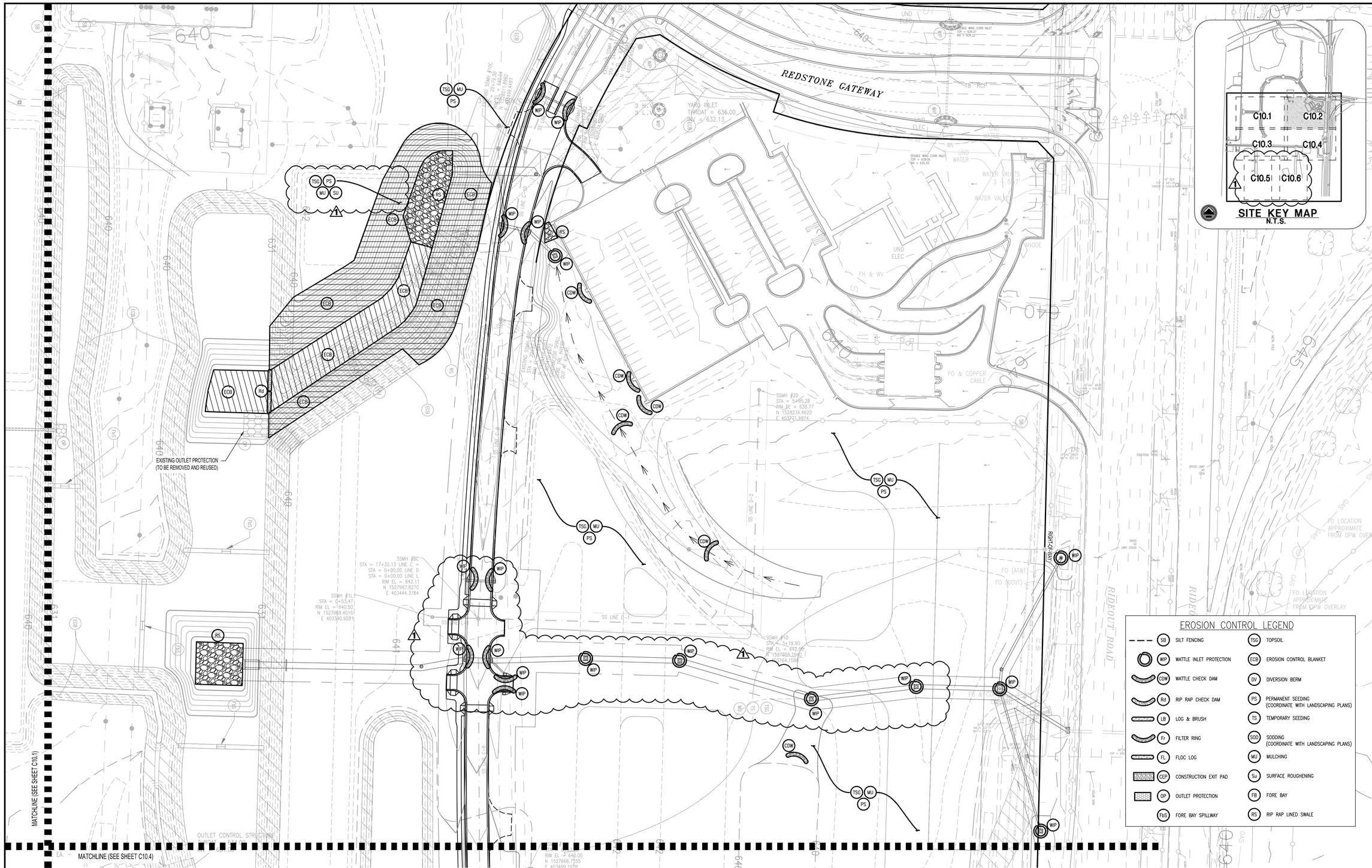
ROADWAY IMPROVEMENTS

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012
COR REVIEW

C10.1-R1



SITE KEY MAP
N.T.S.

C10.1 C10.2 C10.3 C10.4 C10.5 C10.6

SPECIAL NOTES:

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HUNTSVILLE
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EROSION CONTROL PLAN

REDSTONE GATEWAY - PACKAGE 1F

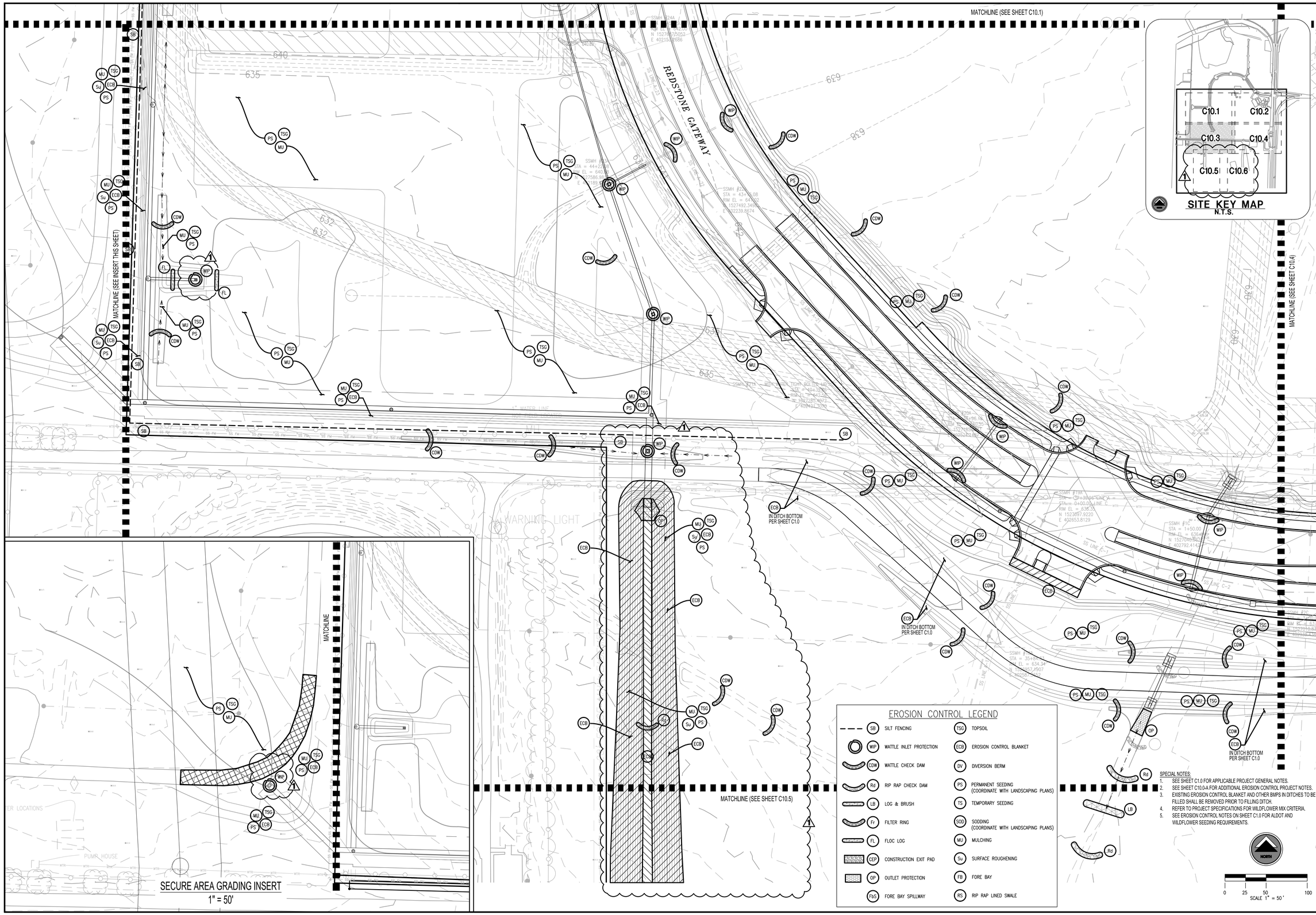
ROADWAY IMPROVEMENTS

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012

C10.2-R1



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EROSION CONTROL PLAN

REDSTONE GATEWAY - PACKAGE 1F

ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012
CON REVIEW

C10.3-R1

MATCHLINE (SEE SHEET C10.2)

MATCHLINE (SEE SHEET C10.3)

MATCHLINE (SEE SHEET C10.6)

OUTLET CONTROL STRUCTURE

EROSION CONTROL BLANKET ON CUT SLOPE (NORTH AMERICAN GREEN SC150)

20' SANITARY SEWER EASEMENT

OVERLOOK ROAD

RIDEOUT ROAD

GATE 9

SEPTIC TANK AND FIELD LINES

IN DITCH BOTTOM PER SHEET C1.0

SITE KEY MAP
N.T.S.

C10.1 C10.2 C10.3 C10.4 C10.5 C10.6

EROSION CONTROL LEGEND

SB	SILT FENCING	TSC	TOPSOIL
WIP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
Rd	RIP RAP CHECK DAM	PS	PERMANENT SEEDING (COORDINATE WITH LANDSCAPING PLANS)
LB	LOG & BRUSH	TS	TEMPORARY SEEDING
Fr	FILTER RING	SOD	SODDING (COORDINATE WITH LANDSCAPING PLANS)
FL	FLOC LOG	MU	MULCHING
CEP	CONSTRUCTION EXIT PAD	SU	SURFACE ROUGHENING
OP	OUTLET PROTECTION	FB	FORE BAY
FBS	FORE BAY SPILLWAY	RS	RIP RAP LINED SWALE

SPECIAL NOTES:
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4. REFER TO PROJECT SPECIFICATIONS FOR WILDFLOWER MIX CRITERIA.
5. SEE EROSION CONTROL NOTES ON SHEET C1.0 FOR ALDOT AND WILDFLOWER SEEDING REQUIREMENTS.

NORTH

0 25 50 100
SCALE 1" = 50'

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EROSION CONTROL PLAN
REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

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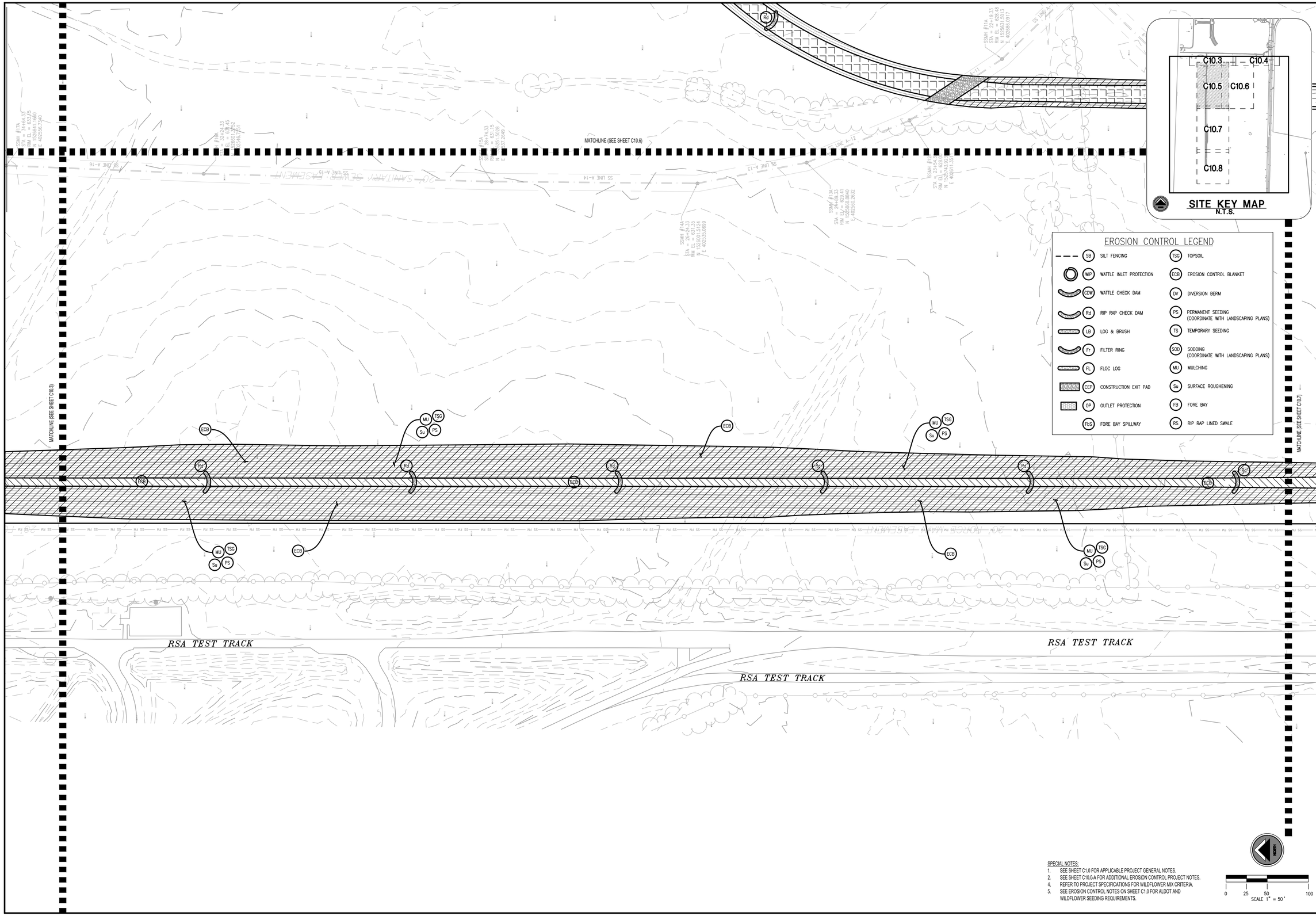
DATE: JANUARY 27, 2012

C10.4-R1



SPECIAL NOTES:

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EROSION CONTROL PLAN

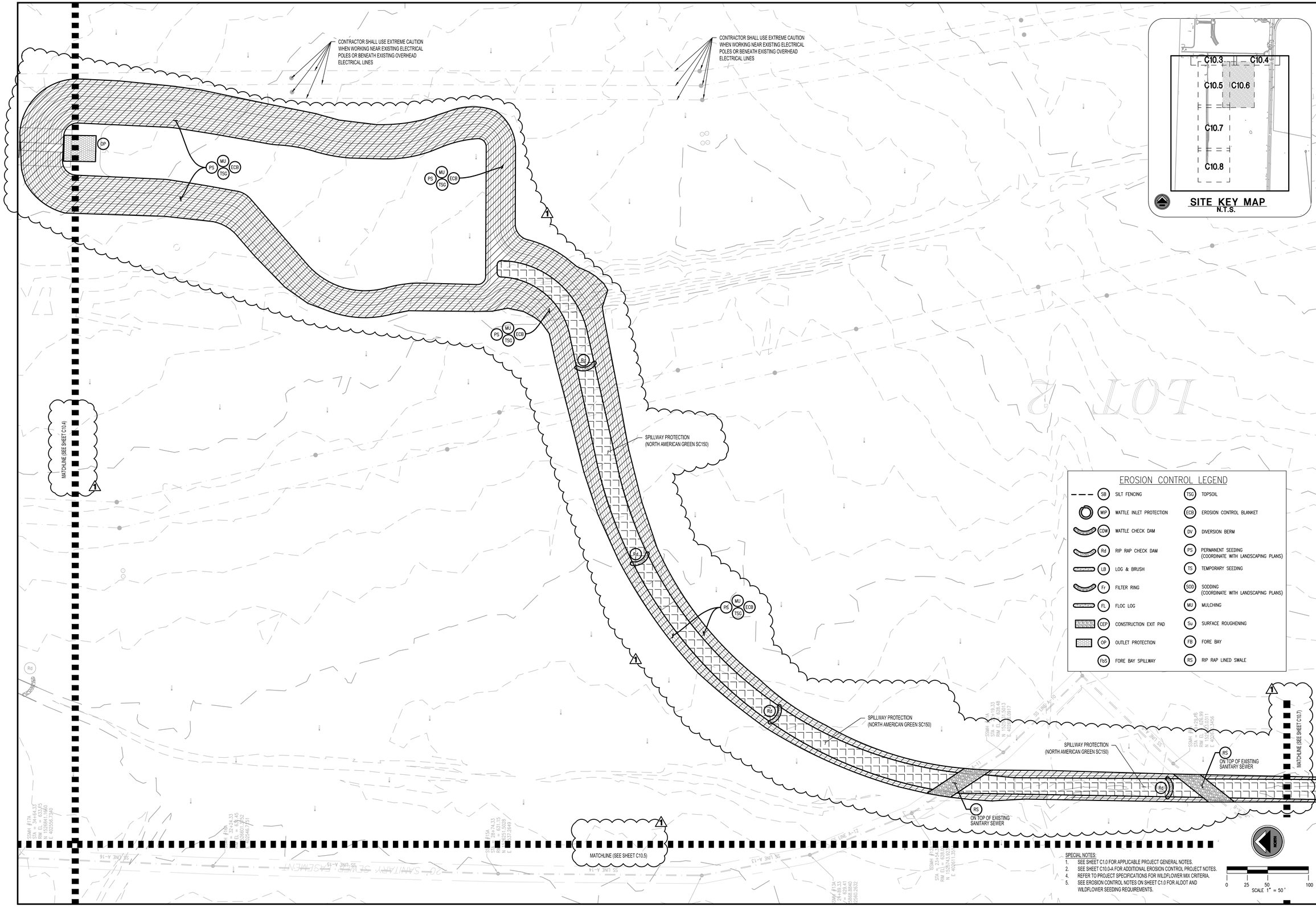
REDSTONE GATEWAY - PACKAGE 1F

ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: TBE
CHECKED: RAN
DATE: JANUARY 30, 2012

C10.5-R1



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EROSION CONTROL PLAN

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	DATE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN	JANUARY 27, 2012

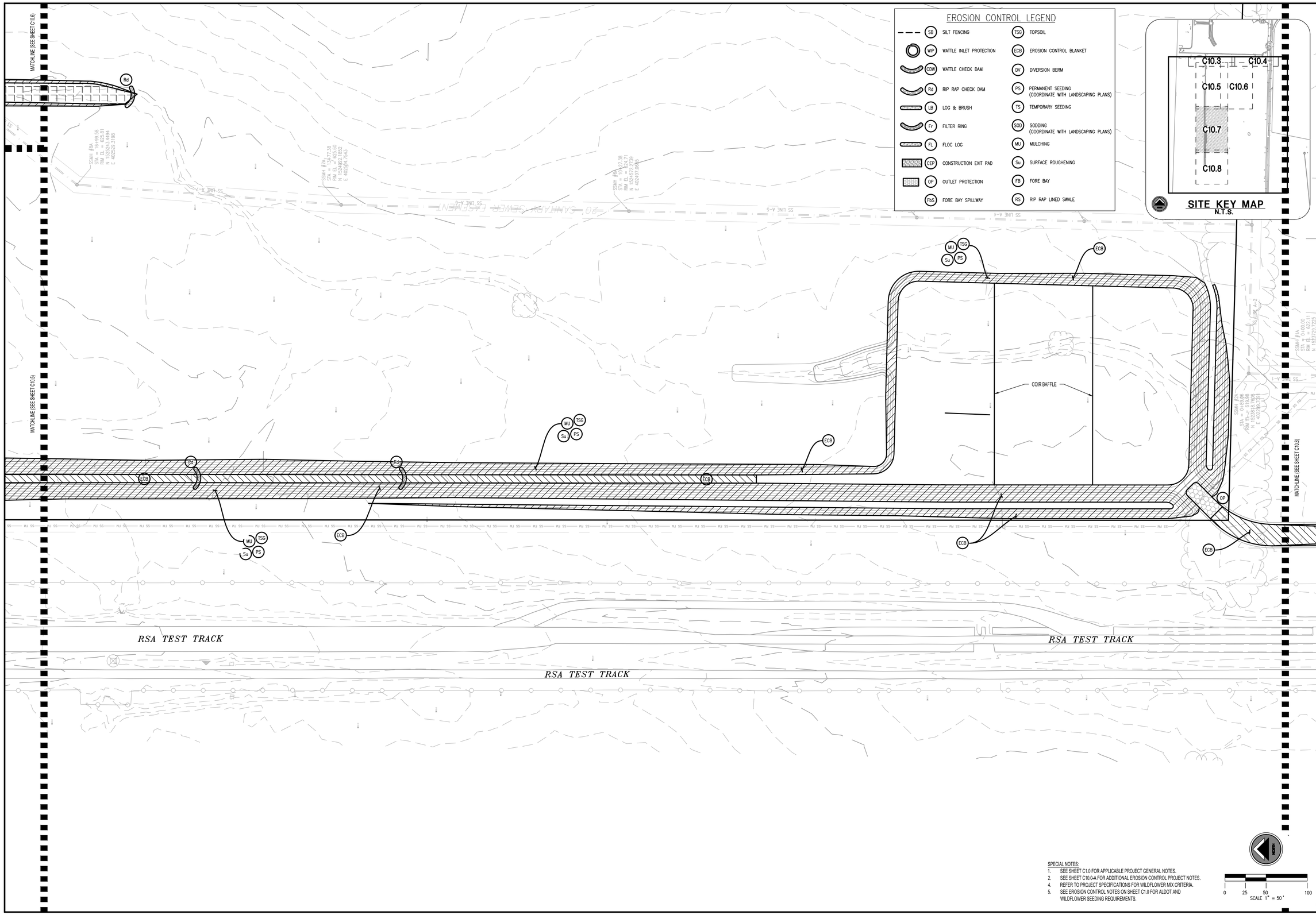
DRAWN:	CHECKED:
BSJ	RAN

TRAFFIC | REAL ESTATE | PE | DRAINAGE
CODE REVIEW

C10.6-R1

EROSION CONTROL LEGEND

SB	SILT FENCING	TSC	TOPSOIL
WIP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
Rd	RIP RAP CHECK DAM	PS	PERMANENT SEEDING (COORDINATE WITH LANDSCAPING PLANS)
LB	LOG & BRUSH	TS	TEMPORARY SEEDING
Fr	FILTER RING	SOD	SODDING (COORDINATE WITH LANDSCAPING PLANS)
FL	FLOC LOG	MU	MULCHING
CEP	CONSTRUCTION EXIT PAD	Su	SURFACE ROUGHENING
OP	OUTLET PROTECTION	FB	FORE BAY
FbS	FORE BAY SPILLWAY	RS	RIP RAP LINED SWALE



SITE KEY MAP
N.T.S.

SPECIAL NOTES:
1. SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.
2. SEE SHEET C10.0-A FOR ADDITIONAL EROSION CONTROL PROJECT NOTES.
4. REFER TO PROJECT SPECIFICATIONS FOR WILDFLOWER MIX CRITERIA.
5. SEE EROSION CONTROL NOTES ON SHEET C1.0 FOR ALDOT AND WILDFLOWER SEEDING REQUIREMENTS.

NORTH

0 25 50 100
SCALE 1" = 50'

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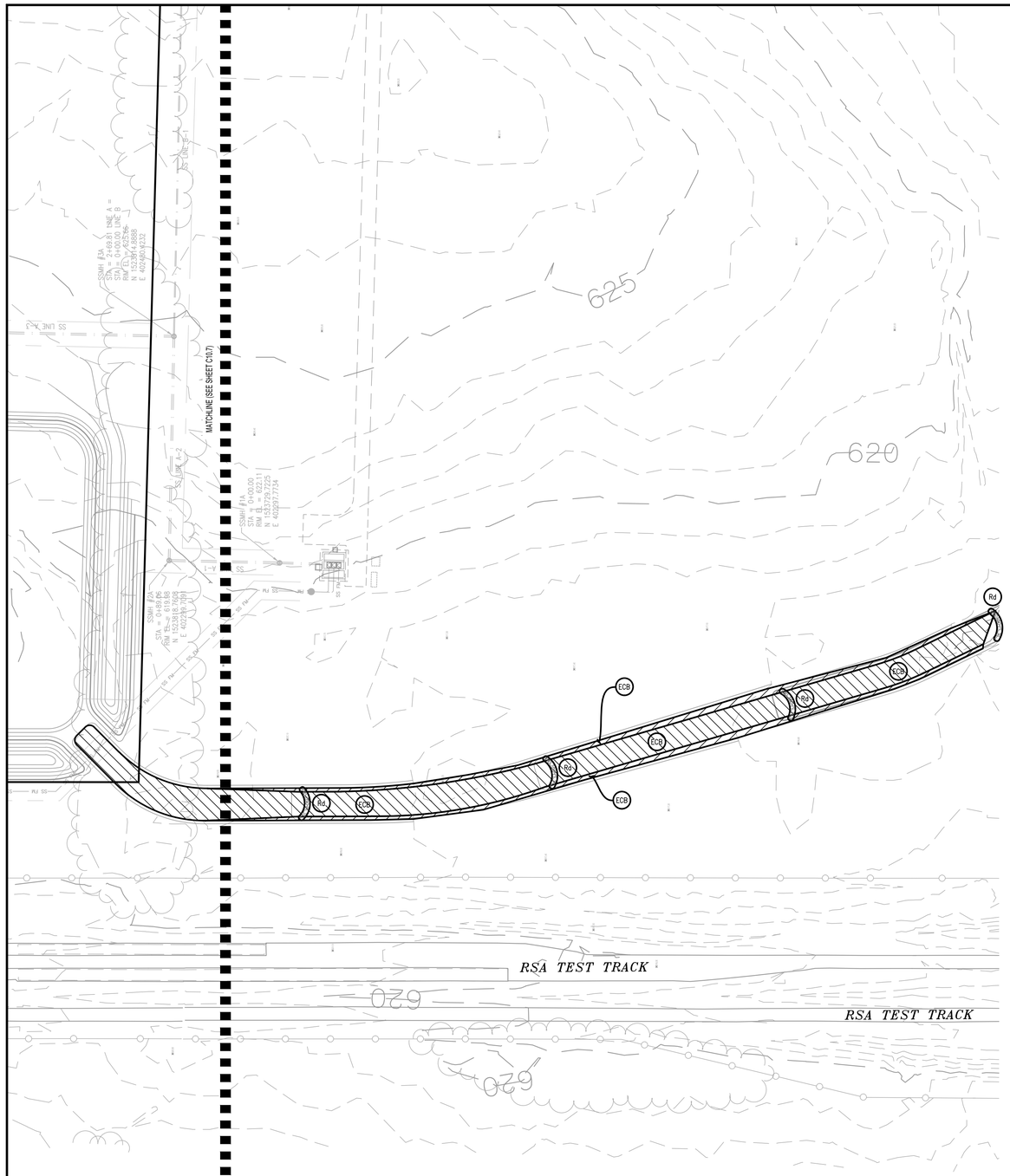
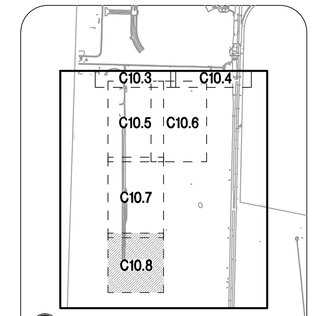
REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: TBE
CHECKED: RAN
DATE: JANUARY 30, 2012

C10.7-R1
76 OF 136





SITE KEY MAP
N.T.S.

EROSION CONTROL LEGEND

SB	SILT FENCING	TSG	TOPSOIL
WIP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
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FbS	FORE BAY SPILLWAY	RS	RIP RAP LINED SWALE

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NORTH

0 25 50 100
SCALE 1" = 50'

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Tampa Bay, Florida
www.lbyd.com

LBYD Project Number
302-10-002A

LBYD, Inc.
305 Church Street SW
Suite 719
Huntsville, AL 35801
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ALABAMA REGISTERED No. 26754 PROFESSIONAL ENGINEER
1/30/2012

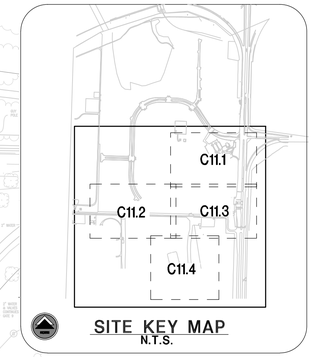
HUNTSVILLE
The Star of Alabama

EROSION CONTROL PLAN
REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN				

DRAWN: TBE
CHECKED: RAN
DATE: JANUARY 30, 2012

C10.8-R1
77 OF 136



SITE KEY MAP
N.T.S.

SPECIAL NOTES:

1. SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.
2. SEE SHEETS C4.0 THRU C4.6 FOR DETAILED LAYOUT INFORMATION.
3. SEE SHEETS C5.0 THRU C5.6 FOR DETAILED STRIPING AND SIGNAGE INFORMATION.
4. SEE SHEETS C11.5 AND C11.6 FOR COMMUNICATIONS DUCT BANK LAYOUT AND DESIGN.
5. SEE SHEET C12.0 FOR HUNTSVILLE UTILITY WATER SYSTEM DESIGN.
6. SEE SHEET C12.1 FOR HUNTSVILLE UTILITY POWER PRIMARY INFRASTRUCTURE DESIGN.
7. SEE SHEETS E0.1 THRU E1.0 FOR STREET LIGHTING LAYOUT AND DESIGN.
8. SEE SHEET C14.4 FOR TYPICAL UTILITY PLACEMENT CROSS SECTION.

NORTH

0 75 150 300
SCALE 1" = 150

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ALABAMA REGISTERED No. 26754 PROFESSIONAL ENGINEER
1/27/2012

HUNTSVILLE
The Star of Alabama

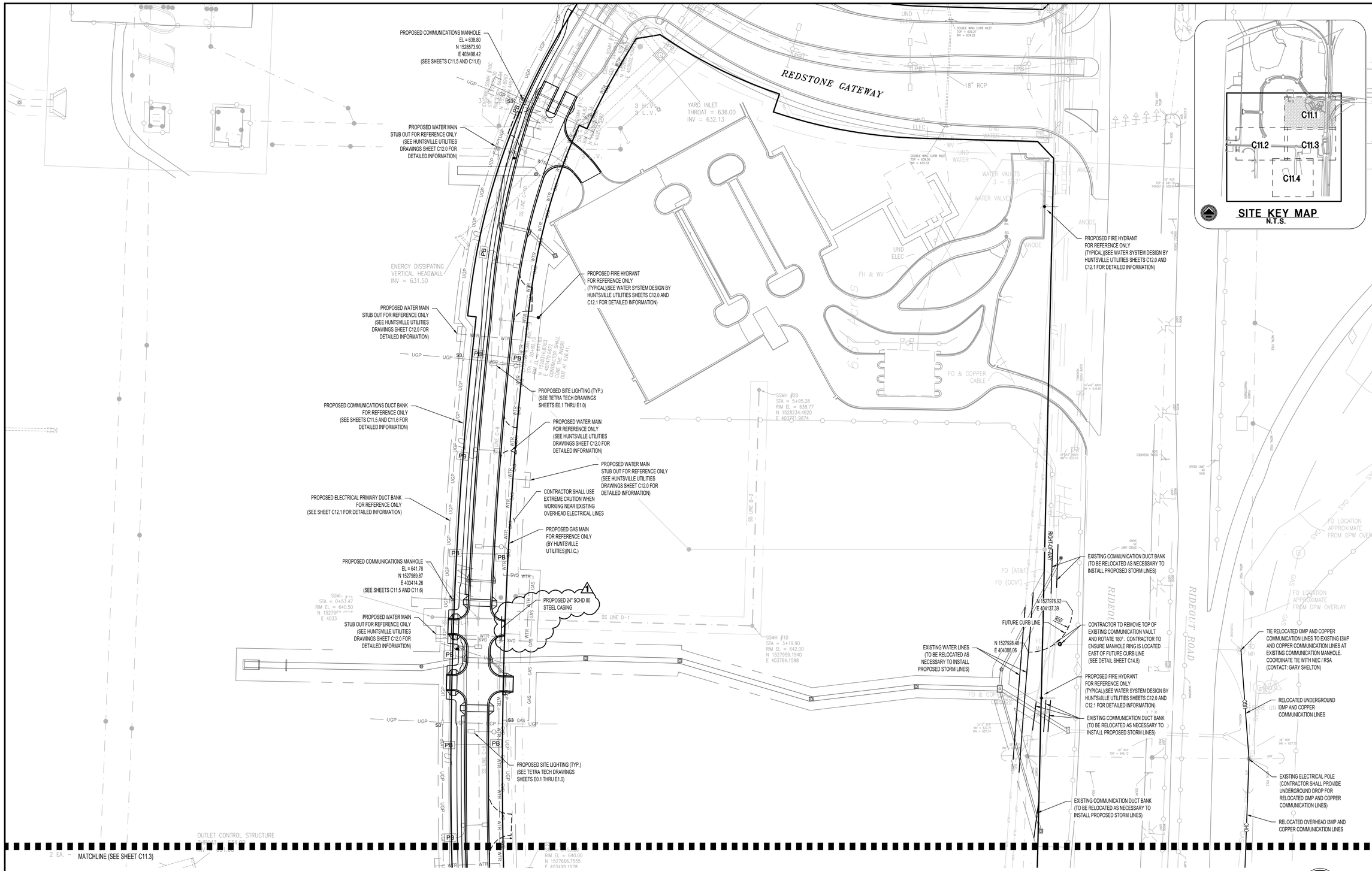
OVERALL UTILITY PLAN

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE

DRAWN: BSJ
DATE: JANUARY 27, 2012
CHECKED: RAN
CON. REVIEW

C11.0



SITE KEY MAP
N.T.S.

NOTE:
CONTRACTOR SHALL CONTACT REDSTONE ARSENAL-NEC TO COORDINATE THE FIBER AND COPPER RELOCATIONS AND CONNECTIONS.

REDSTONE ARSENAL - NEC CONTACTS
CONTACT: GARY SHELTON
PH: 256-876-5150
EMAIL: DONALD.SHELTON@US.ARMY.MIL
CONTACT: RONNIE EASTERWOOD
PH: 256-876-1201
EMAIL: CHARLES.R.EASTERWOOD.CTR@MAIL.MIL

SPECIAL NOTES:
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2. SEE SHEET C12.0 FOR WATER SYSTEM DESIGN.
3. SEE SHEET C12.1 FOR ELECTRICAL SYSTEM DESIGN.
4. SEE SHEETS C11.5 AND C11.6 FOR COMMUNICATIONS DUCT BANK DESIGN.
5. SEE SHEET C14.4 FOR TYPICAL UTILITY PLACEMENT CROSS SECTION.
6. SEE SHEETS C9.0 THRU C9.10 FOR STORM DRAINAGE INFORMATION.
7. SEE SHEETS E0.1 THRU E1.0 FOR STREET LIGHTING LAYOUT AND DESIGN.

NORTH

0 25 50 100
SCALE 1" = 50'

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1/30/2012

HUNTSVILLE
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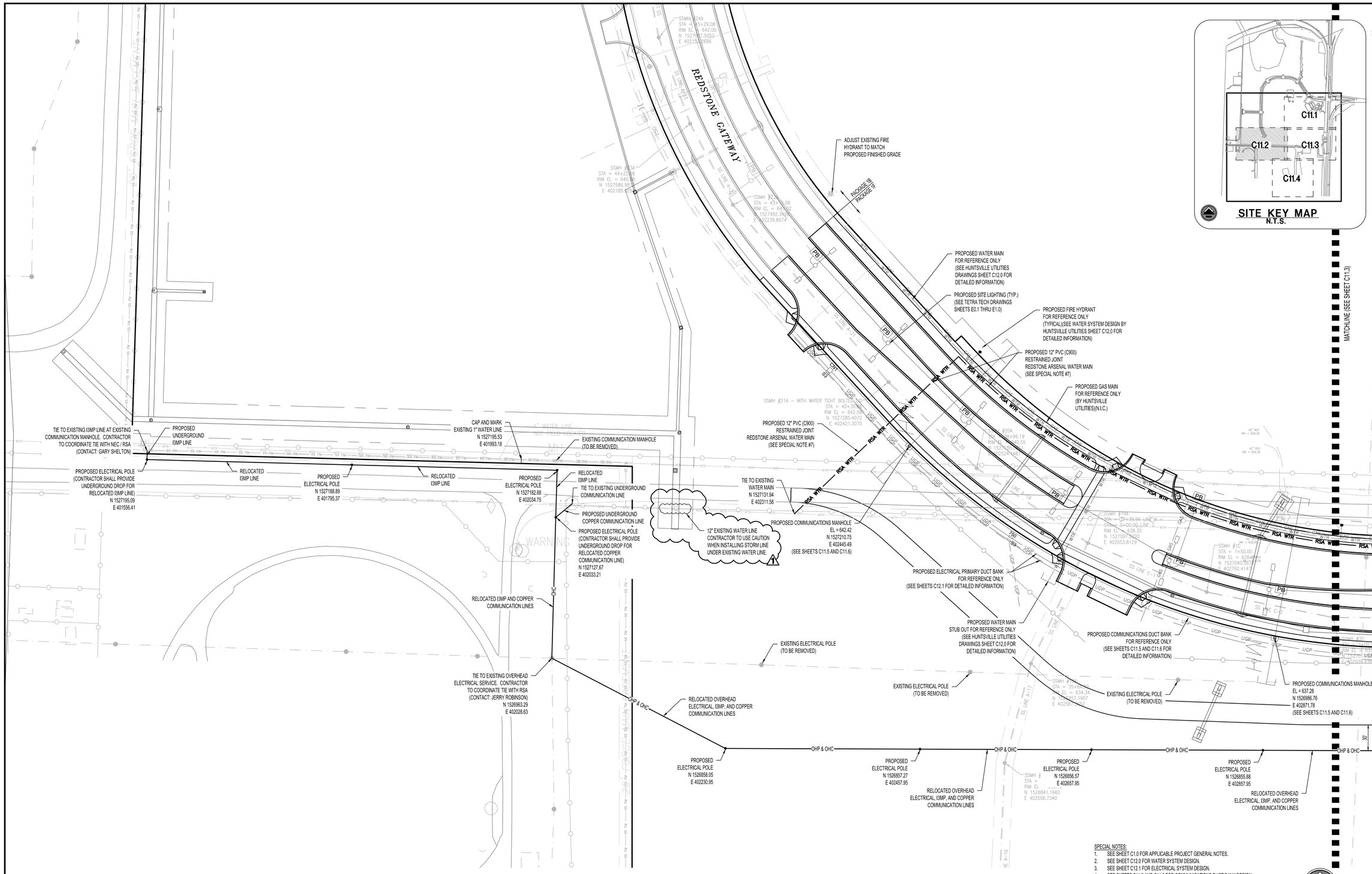
UTILITY PLAN
REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	DATE
1	1/30/12	TBE	TAR	RETAIL INTERSECTION	JANUARY 27, 2012

DRAWN:	CHECKED:
BSJ	RAN

TRAFFIC	R/A ESTATE	CONN. ROW	PC	DRAINAGE

C11.1-R1



SITE KEY MAP
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4. SEE SHEETS C11.5 AND C11.6 FOR COMMUNICATIONS DUCT BANK DESIGN.
5. SEE SHEET C14.4 FOR TYPICAL UTILITY PLACEMENT CROSS SECTION.
6. SEE SHEETS C9.0 THRU C9.10 FOR STORM DRAINAGE INFORMATION.
7. CONTRACTOR SHALL INSTALL REDSTONE ARSENAL WATER MAIN WITH 48" MINIMUM COVER WITH DETECTABLE WARNING TAPE 24" ABOVE PIPE AND NOTE AS REDSTONE ARSENAL WATER IN LIEU OF HUNTSVILLE UTILITIES WATER.
8. SEE SHEETS E0.1 THRU E1.0 FOR STREET LIGHTING LAYOUT AND DESIGN.
9. CONTRACTOR SHALL GUY POLES AS NECESSARY MEETING INDUSTRY STANDARDS.

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1/30/2012

HUNTSVILLE
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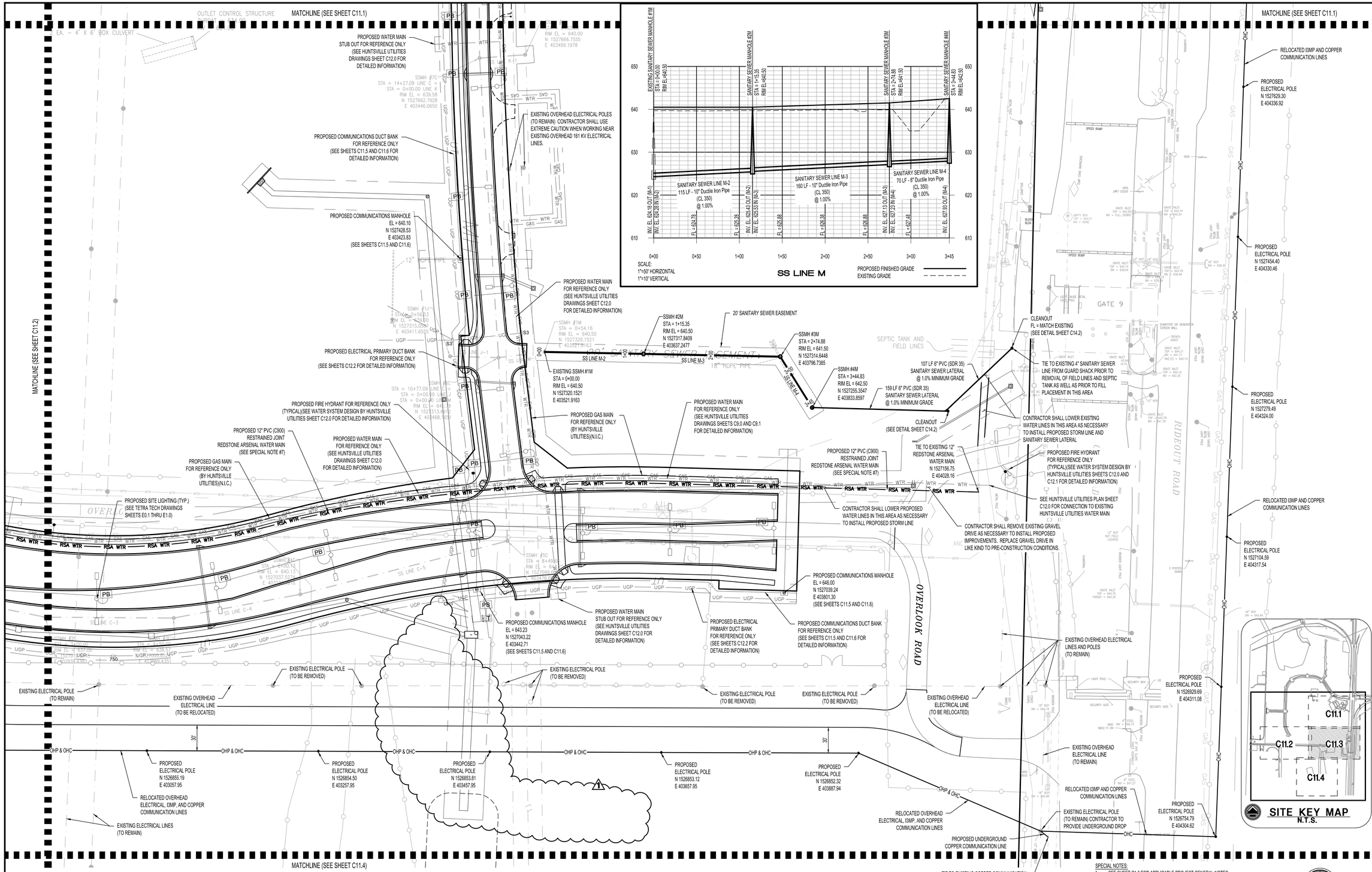
UTILITY PLAN

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TMP/TE	REAL ESTATE	CON REVIEW	PE	DRAINAGE
1	1/30/12	TBE	TMR	STORM & GRADING RE-DESIGN					

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012

C11.2-R1



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5. SEE SHEET C14.4 FOR TYPICAL UTILITY PLACEMENT CROSS SECTION.
6. SEE SHEETS C9.0 THRU C9.10 FOR STORM DRAINAGE INFORMATION.
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8. SEE SHEETS E0.1 THRU E1.0 FOR STREET LIGHTING LAYOUT AND DESIGN.

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HUNTSVILLE The Star of Alabama

UTILITY PLAN

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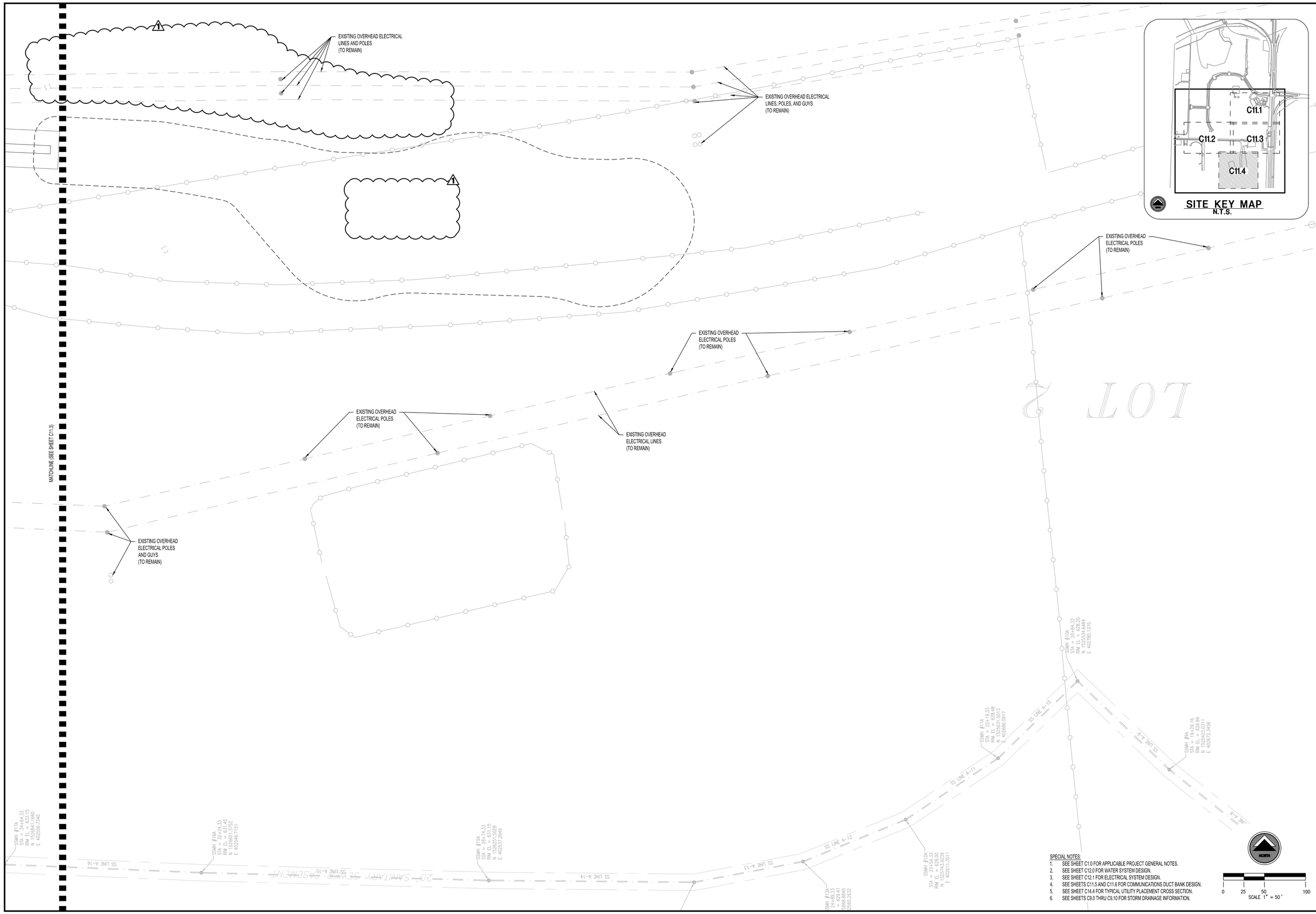
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	DRAWING
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN	PE

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012
REAL ESTATE
CONT REVIEW

C11.3-R1



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REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	REAL ESTATE	PE	DRAINAGE
1	1/30/12	TBE	TAR	STORM & GRADING RE-DESIGN		CONV. REVIEW		

DRAWN: BSJ
CHECKED: RAN
DATE: JANUARY 27, 2012

UTILITY PLAN

REDSTONE GATEWAY - PACKAGE 1F
ROADWAY IMPROVEMENTS
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

C11.4-R1