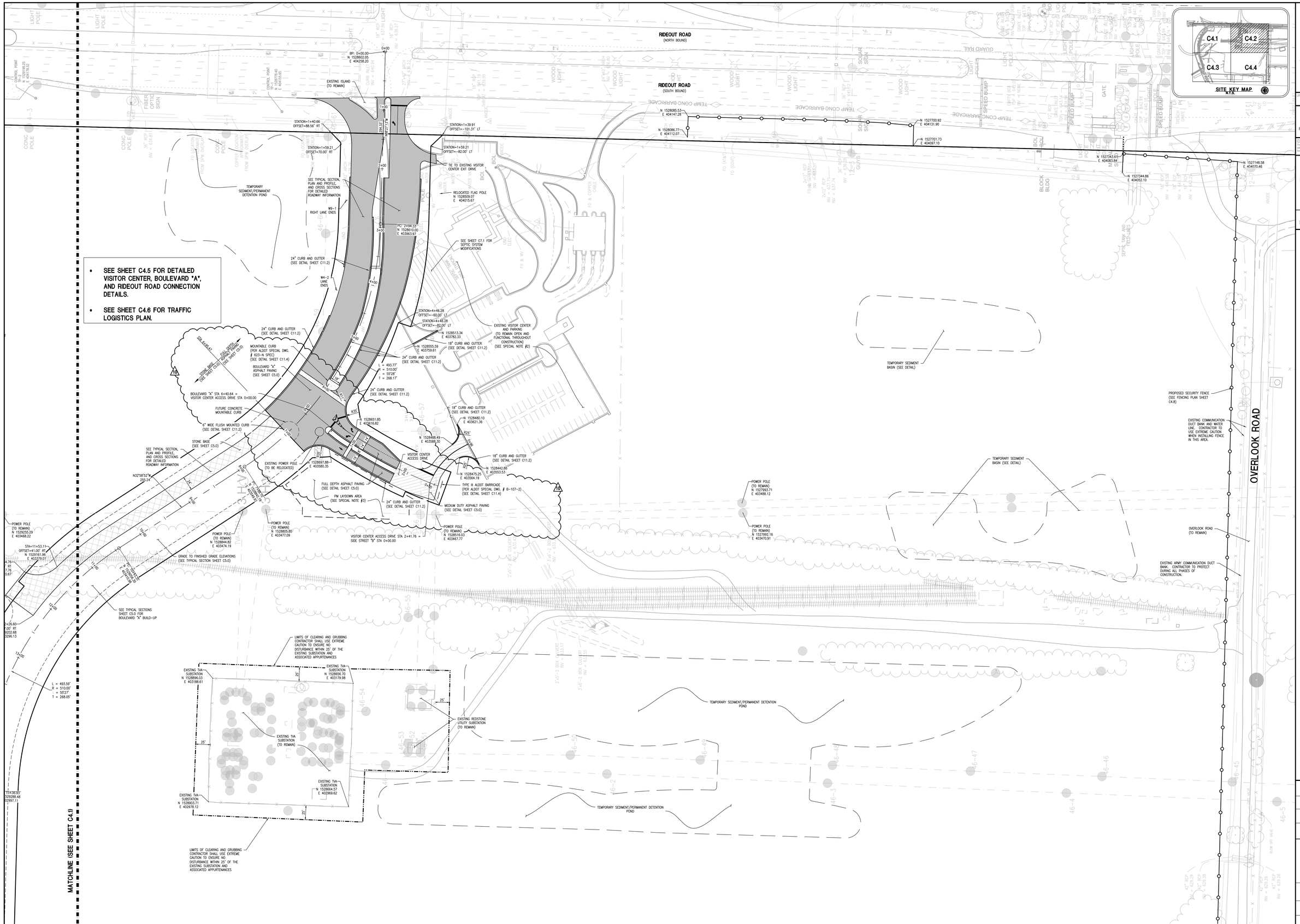

MATCHLINE (SEE SHEET C4.4)

SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL APPLICABLE GENERAL NOTES.
2. EXISTING VISITOR CENTER TO REMAIN OPEN THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH REDSTONE ARSENAL IN ORDER TO AVOID DISRUPTION OF ANY TRAFFIC FLOW OR UTILITIES TO AND FROM THE EXISTING FACILITY.
3. CONTRACTOR SHALL SALVAGE RAILROAD BALLAST STONE FOR USE IN CONSTRUCTION/PM LAYDOWN AREA, EROSION CONTROL, AND CONSTRUCTION ENTRANCES. PLACE 6" LIFT IN AREA OF PM LAYDOWN AREA AS DIRECTED BY PROJECT MANAGER.
4. REFER TO SHEET C4.0 FOR RIGHT-OF-WAY INFORMATION AND DIMENSIONS.

PAVING LEGEND

- GRADE TO FINISHED GRADE ELEVATIONS
- BOULEVARD "A" ASPHALT PAVING
- MEDIUM DUTY ASPHALT PAVING
- STONE BASE

SCALE 1" = 50'

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6/7/2011

HUNTSVILLE The Heart of Alabama

LAYOUT AND COORDINATE PLAN

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	DATE	EDIT CH.	FIL	DRAWING
10	6/7/2011	TBB	TAR	BIDTHLL INTERSECTION				
5	4/27/11	TBB	TAR	RELOCATED FLAG POLE				
2	2/14/2011	TBB	TAR	MEDIAN NOSES				

Date: 12/16/2010

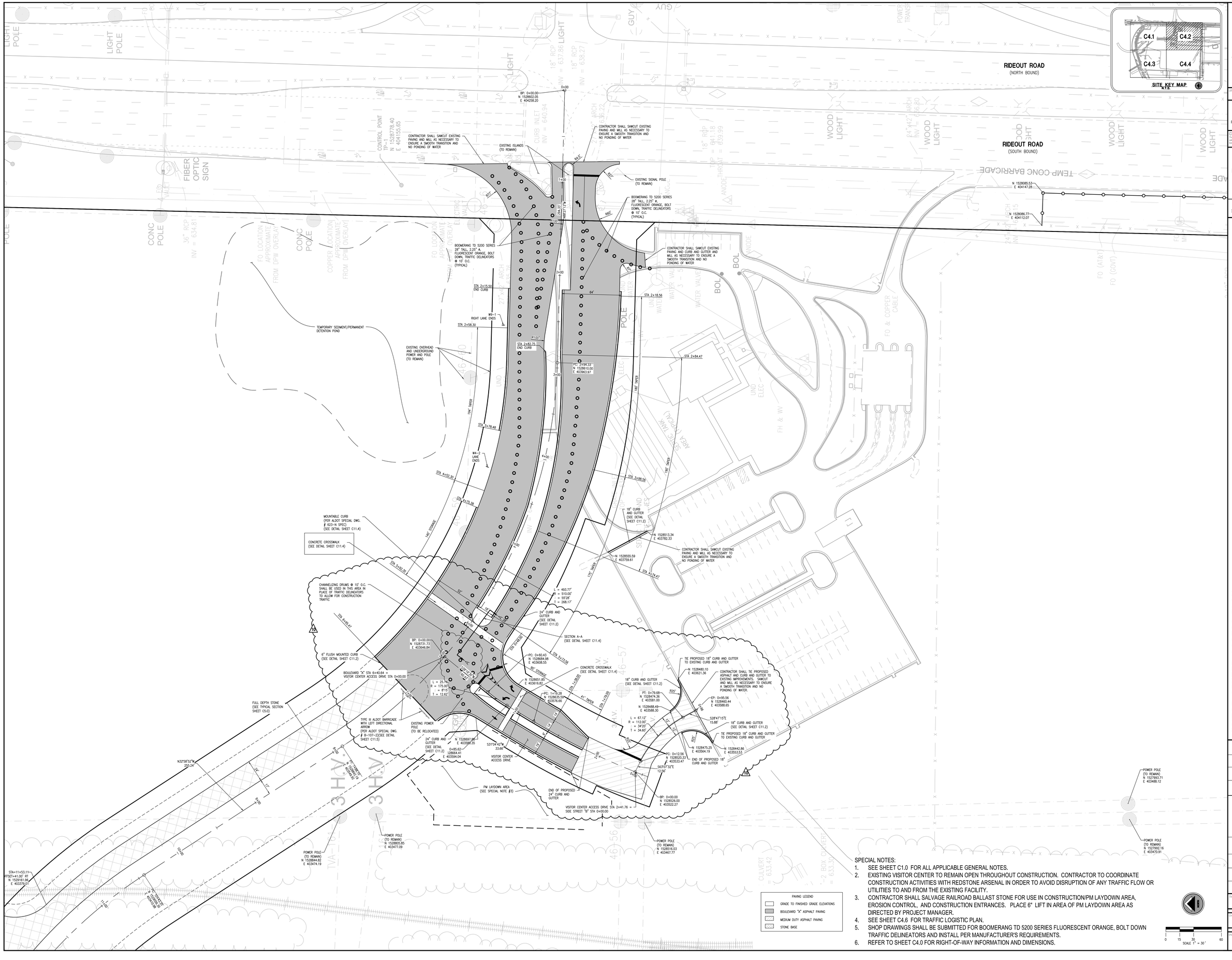
Checked By: RAN

Drawn By: BSJ

Sheet Number: C4.2

Sequence: 7

Total: 43



SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL APPLICABLE GENERAL NOTES.
2. EXISTING VISITOR CENTER TO REMAIN OPEN THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH REDSTONE ARSENAL IN ORDER TO AVOID DISRUPTION OF ANY TRAFFIC FLOW OR UTILITIES TO AND FROM THE EXISTING FACILITY.
3. CONTRACTOR SHALL SALVAGE RAILROAD BALLAST STONE FOR USE IN CONSTRUCTION/PM LAYDOWN AREA, EROSION CONTROL, AND CONSTRUCTION ENTRANCES. PLACE 6" LIFT IN AREA OF PM LAYDOWN AREA AS DIRECTED BY PROJECT MANAGER.
4. SEE SHEET C4.6 FOR TRAFFIC LOGISTIC PLAN.
5. SHOP DRAWINGS SHALL BE SUBMITTED FOR BOOMERANG TD 5200 SERIES FLUORESCENT ORANGE, BOLT DOWN TRAFFIC DELINEATORS AND INSTALL PER MANUFACTURER'S REQUIREMENTS.
6. REFER TO SHEET C4.0 FOR RIGHT-OF-WAY INFORMATION AND DIMENSIONS.

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HUNTSVILLE
The Heart of Alabama

VISITOR CENTER ACCESS PLAN

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

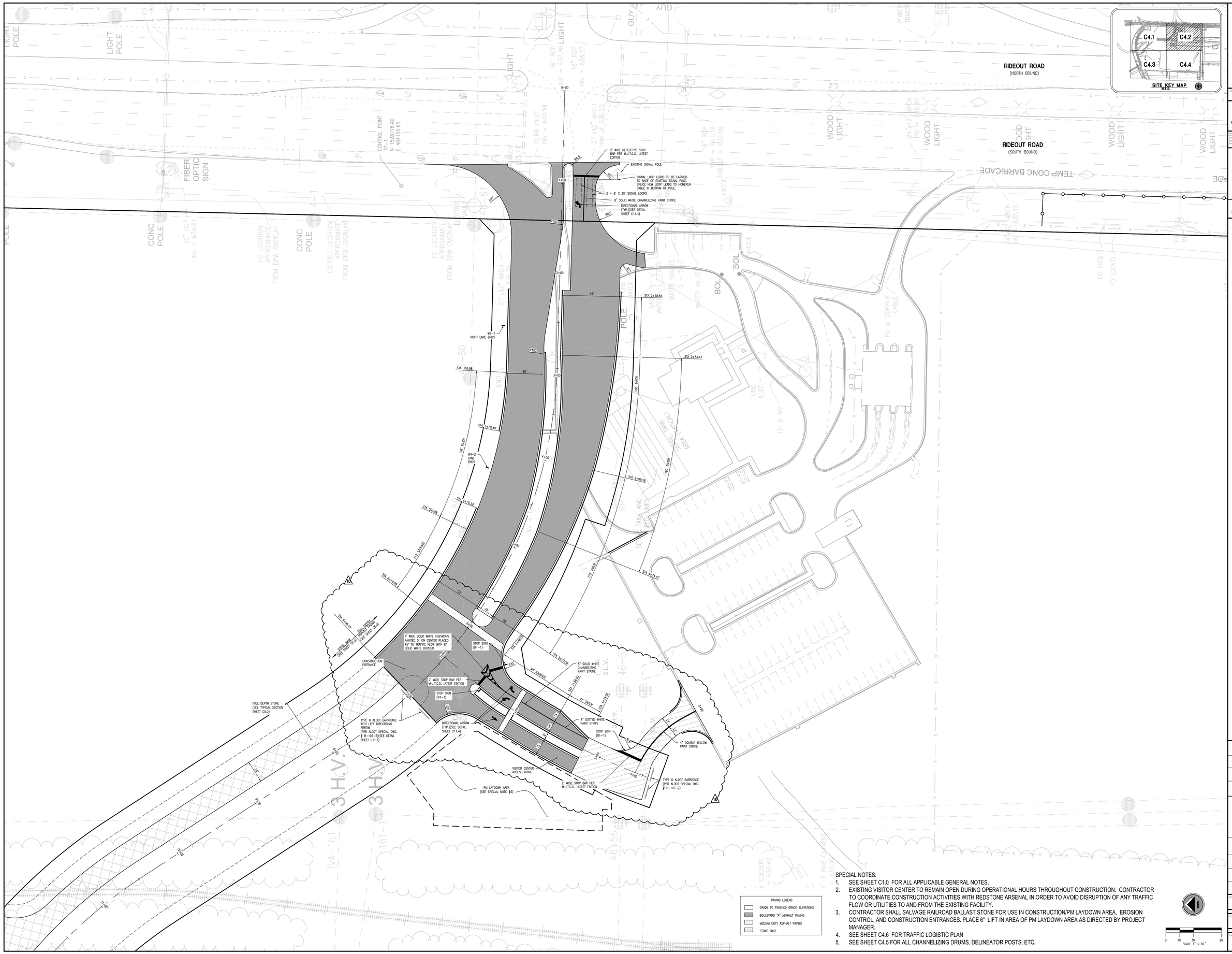
REV	DATE	DRAWN	CHECKED	DESCRIPTION
1B	8/27/2011	TBE	TAM	DETAIL INTERSECTION
2	12/16/2011	TBE	TAM	MEDIAN RADIS

INIT.	DATE	PE	DRAWING

Date 12/16/2010

Drawn By RAN | Checked By BSJ

Sheet Number C4.5 | Sequence 10 of 43



SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL APPLICABLE GENERAL NOTES.
2. EXISTING VISITOR CENTER TO REMAIN OPEN DURING OPERATIONAL HOURS THROUGHOUT CONSTRUCTION. CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH REDSTONE ARSENAL IN ORDER TO AVOID DISRUPTION OF ANY TRAFFIC FLOW OR UTILITIES TO AND FROM THE EXISTING FACILITY.
3. CONTRACTOR SHALL SALVAGE RAILROAD BALLAST STONE FOR USE IN CONSTRUCTION/PM LAYDOWN AREA, EROSION CONTROL, AND CONSTRUCTION ENTRANCES. PLACE 6" LIFT IN AREA OF PM LAYDOWN AREA AS DIRECTED BY PROJECT MANAGER.
4. SEE SHEET C4.6 FOR TRAFFIC LOGISTIC PLAN
5. SEE SHEET C4.5 FOR ALL CHANNELIZING DRUMS, DELINEATOR POSTS, ETC.

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HUNTSVILLE The Heart of Alabama

REV	DATE	DRAWN	CHECKED	DESCRIPTION
LD	6/7/2011	TBB	TAD	REVISE RESTRIPE

TRAFFIC	ROW/ COV. ROW	PE	DRAWING

STRIPING AND SIGNAGE PLAN

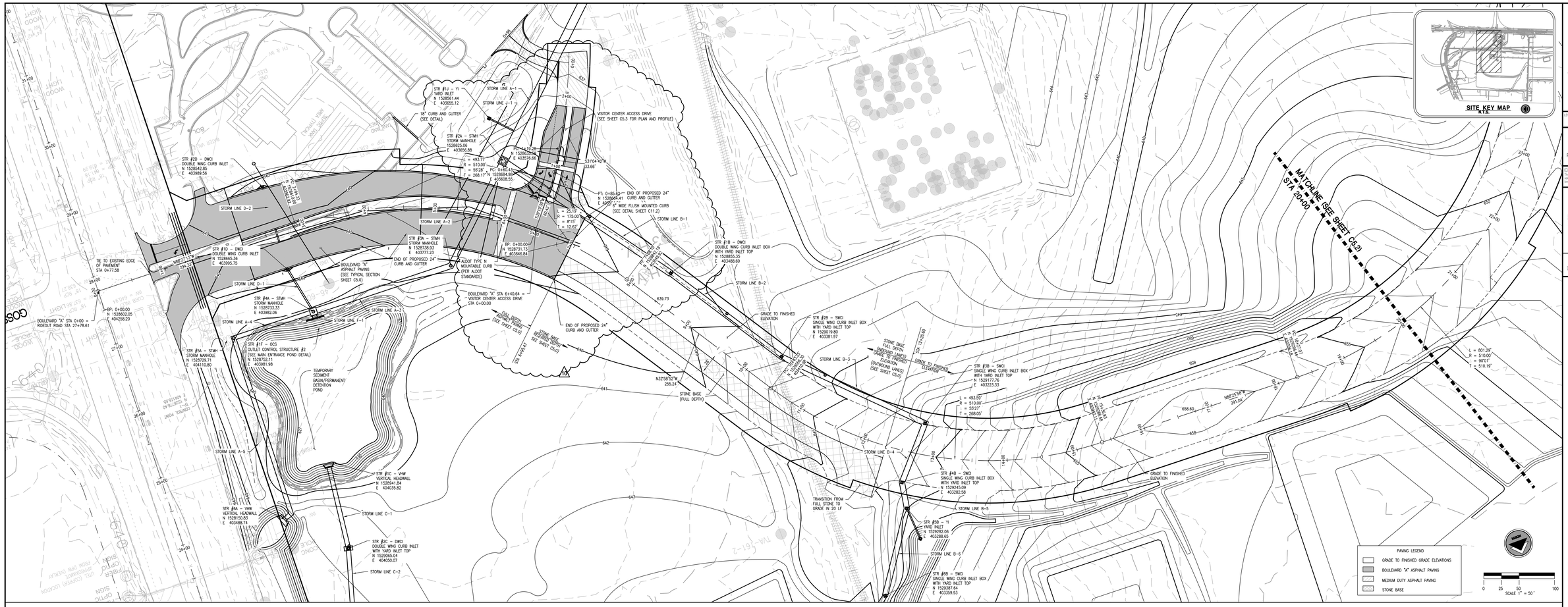
REDSTONE GATEWAY - PACKAGE 1A

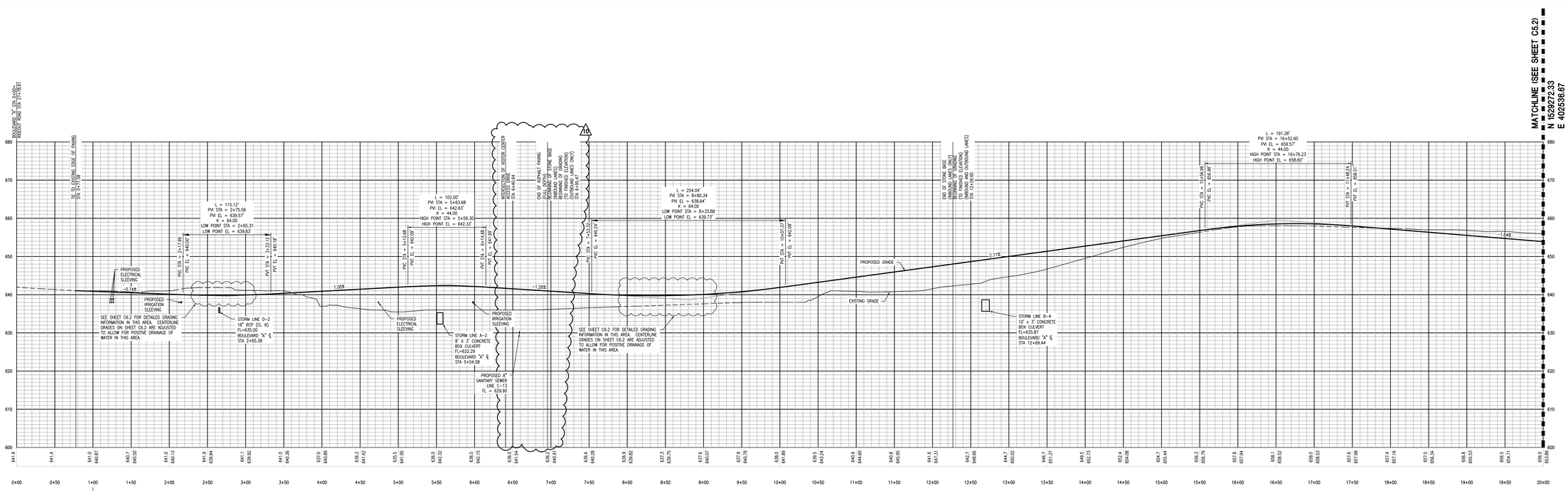
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

Date 12/16/2010

Drawn By RAN | Project By BSJ

Sheet Number C4.7 | Sequence 12 of 43





NOTES:

1. SEE SHEET C5.0 FOR THE TYPICAL SECTION INFORMATION AND THE PROPOSED GRADE POINT.
2. SEE SHEETS C6.1 THRU C6.4 AND C10.0 FOR ALL STORM DRAINAGE INFORMATION.
3. SEE SHEET C7.1 FOR ELECTRICAL AND IRRIGATION SLEEVES.
4. SEE SHEET C5.3 FOR VISITOR CENTER ACCESS DRIVE PLAN AND PROFILE.

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

PROPOSED FINISHED GRADE
EXISTING GRADE

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6/7/2011

HUNTSVILLE
City Heart of Alabama

BOULEVARD'A' - PLAN AND PROFILE (STA 0+00 TO STA 20+00)

REDSTONE GATEWAY - PACKAGE 1A

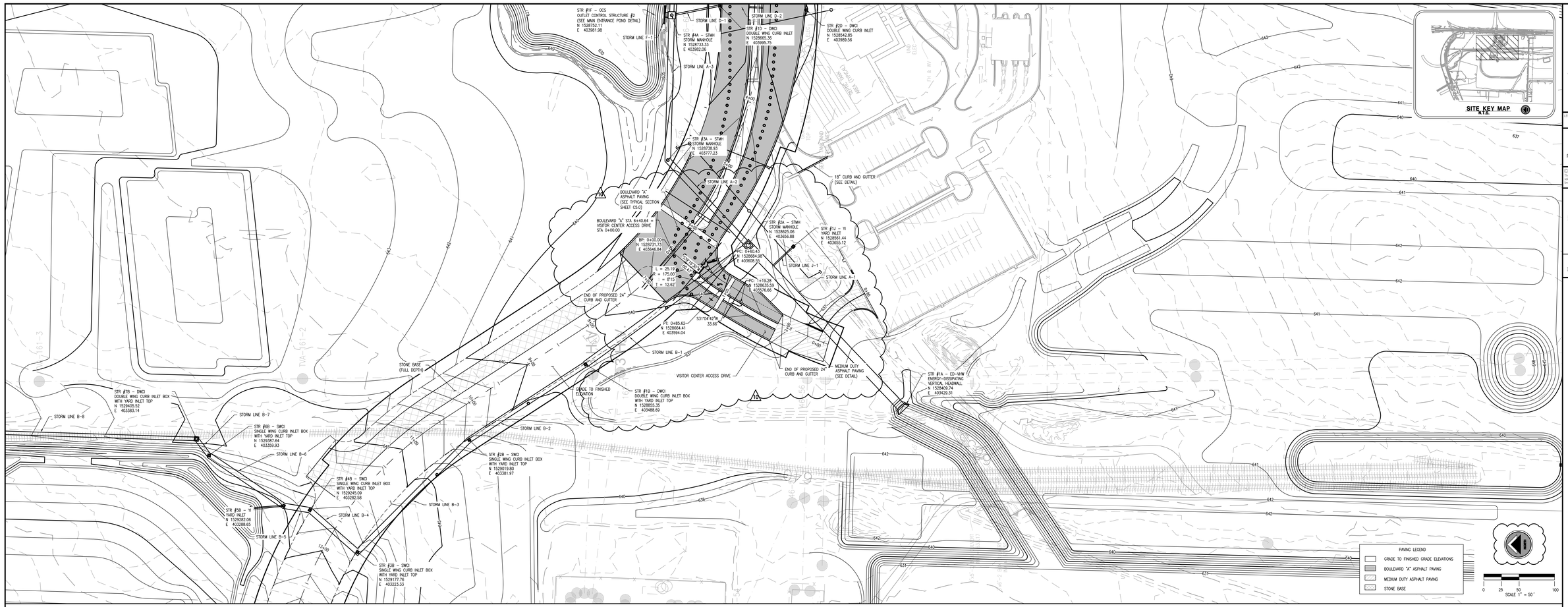
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

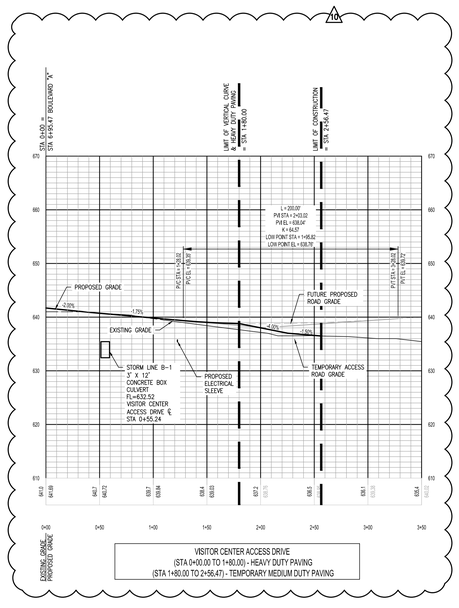
REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	FIELD CODE REVIEW	PIC	DRAINAGE
10	6/7/2011	TBB	TMB	BOULEVARD "A" ASPHALT				

Date: 12/16/2010

Checked By: RAN
Drawn By: BSJ

Sheet Number: C5.1
Sequence: 15
Total: 43





VISITOR CENTER ACCESS DRIVE
(STA 0+00.00 TO 1+80.00) - HEAVY DUTY PAVING
(STA 1+80.00 TO 2+56.47) - TEMPORARY MEDIUM DUTY PAVING

NOTES:

1. SEE SHEET C5.0 FOR THE TYPICAL SECTION INFORMATION AND THE PROPOSED GRADE POINT.
2. SEE SHEETS C6.1 THRU C6.4 AND C10.0 FOR ALL STORM DRAINAGE INFORMATION.

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

PROPOSED FINISHED GRADE
EXISTING GRADE
FUTURE PROPOSED GRADE

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HUNTSVILLE
The Heart of Alabama

VISITOR CENTER ACCESS DRIVE - PLAN AND PROFILE (STA 0+00 TO END)

REDSTONE GATEWAY - PACKAGE 1A

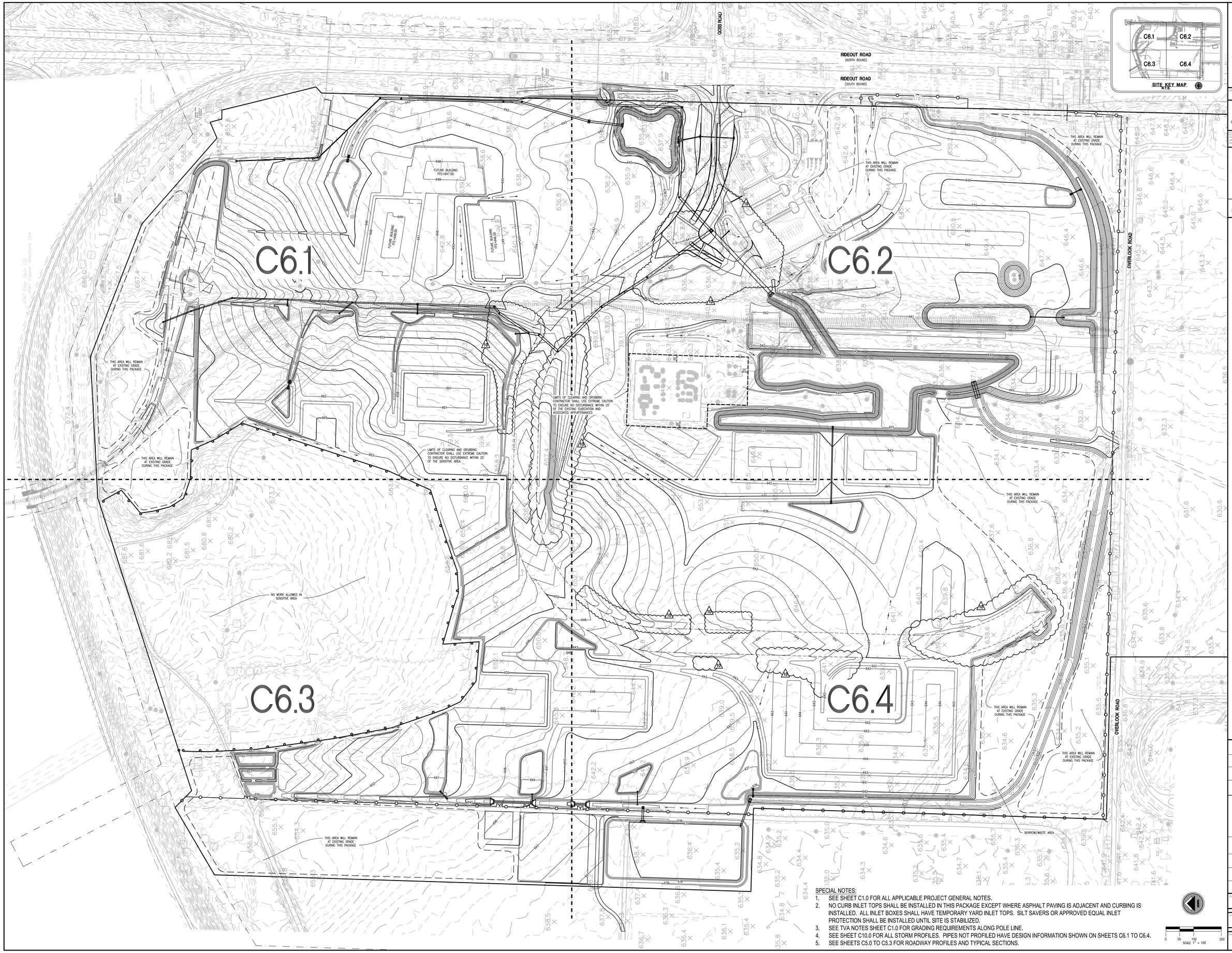
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	REVISION DESCRIPTION	DATE	CHK	PE	DRAWING
10	6/7/2011	TBB	TKB	INITIAL DISTRIBUTION				

Date: 12/16/2010

Checked By: RAN
Drawn By: BSJ

Sheet Number: C5.3
Sequence: 17
Total: 43



SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL APPLICABLE PROJECT GENERAL NOTES.
2. NO CURB INLET TOPS SHALL BE INSTALLED IN THIS PACKAGE EXCEPT WHERE ASPHALT PAVING IS ADJACENT AND CURBING IS INSTALLED. ALL INLET BOXES SHALL HAVE TEMPORARY YARD INLET TOPS. SILT SAVERS OR APPROVED EQUAL INLET PROTECTION SHALL BE INSTALLED UNTIL SITE IS STABILIZED.
3. SEE TVA NOTES SHEET C1.0 FOR GRADING REQUIREMENTS ALONG POLE LINE.
4. SEE SHEET C10.0 FOR ALL STORM PROFILES. PIPES NOT PROFILED HAVE DESIGN INFORMATION SHOWN ON SHEETS C6.1 TO C6.4.
5. SEE SHEETS C5.0 TO C5.3 FOR ROADWAY PROFILES AND TYPICAL SECTIONS.

0 50 100 200
SCALE 1" = 100

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HUNTSVILLE The Heart of Alabama

OVERALL MASS GRADING AND STORM DRAINAGE PLAN

REDSTONE GATEWAY - PACKAGE 1A

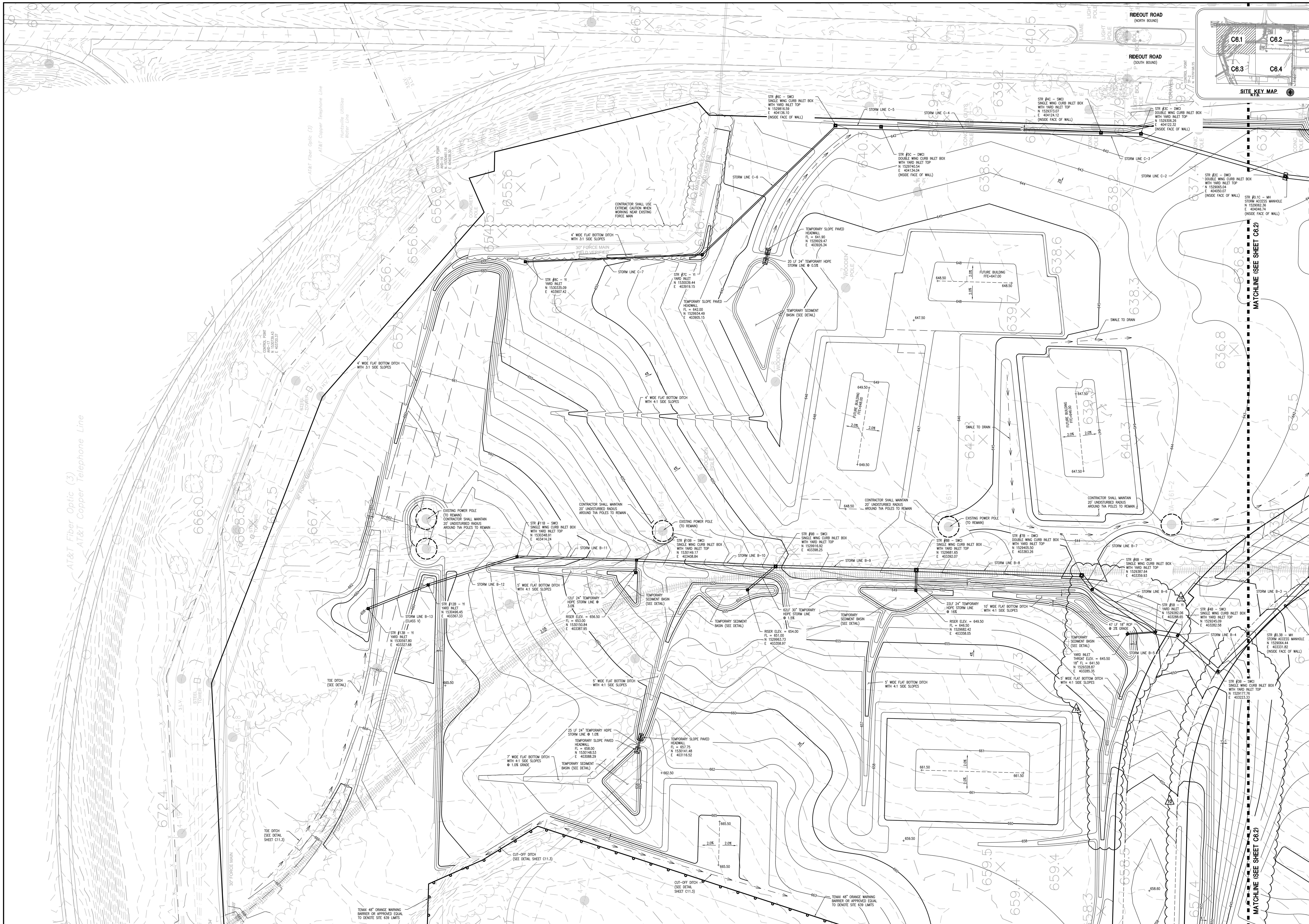
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	ENG. COR. REVIEW	PE	DRAWING
5	6/7/2011	RBB	TAM	GRADING REVISIONS				
4	4/26/11	RBB	TAM	POND B & STORM LINES A				
2	2/4/2011	RBB	TAM	STORM & GRADING REVISIONS				

Date 12/16/2010

Checked By RAN | Drawn By BSJ

Sheet Number C6.0 | Sequence 18 of 43



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3. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR THE EXISTING OVERHEAD POWER LINES AND POLES AND PROVIDE A 20' RADIUS OF UNDISTURBED EARTH AROUND EACH POLE.
4. SEE TVA NOTES SHEET C1.0 FOR GRADING REQUIREMENTS ALONG POLE LINE.
5. SEE SHEET C10.0 FOR ALL STORM PROFILES. PIPES NOT PROFILED HAVE DESIGN INFORMATION SHOWN ON SHEETS C6.1 TO C6.4.
6. SEE SHEETS C5.0 TO C5.3 FOR ROADWAY PROFILES AND TYPICAL SECTIONS.
7. ALL HDPE STORM PIPES SHALL BE SMOOTH LINED HIGH DENSITY POLYETHYLENE (HDPE) WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

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HUNTSVILLE
The Star of Alabama

MASS GRADING AND STORM DRAINAGE PLAN

REDSTONE GATEWAY - PACKAGE 1A

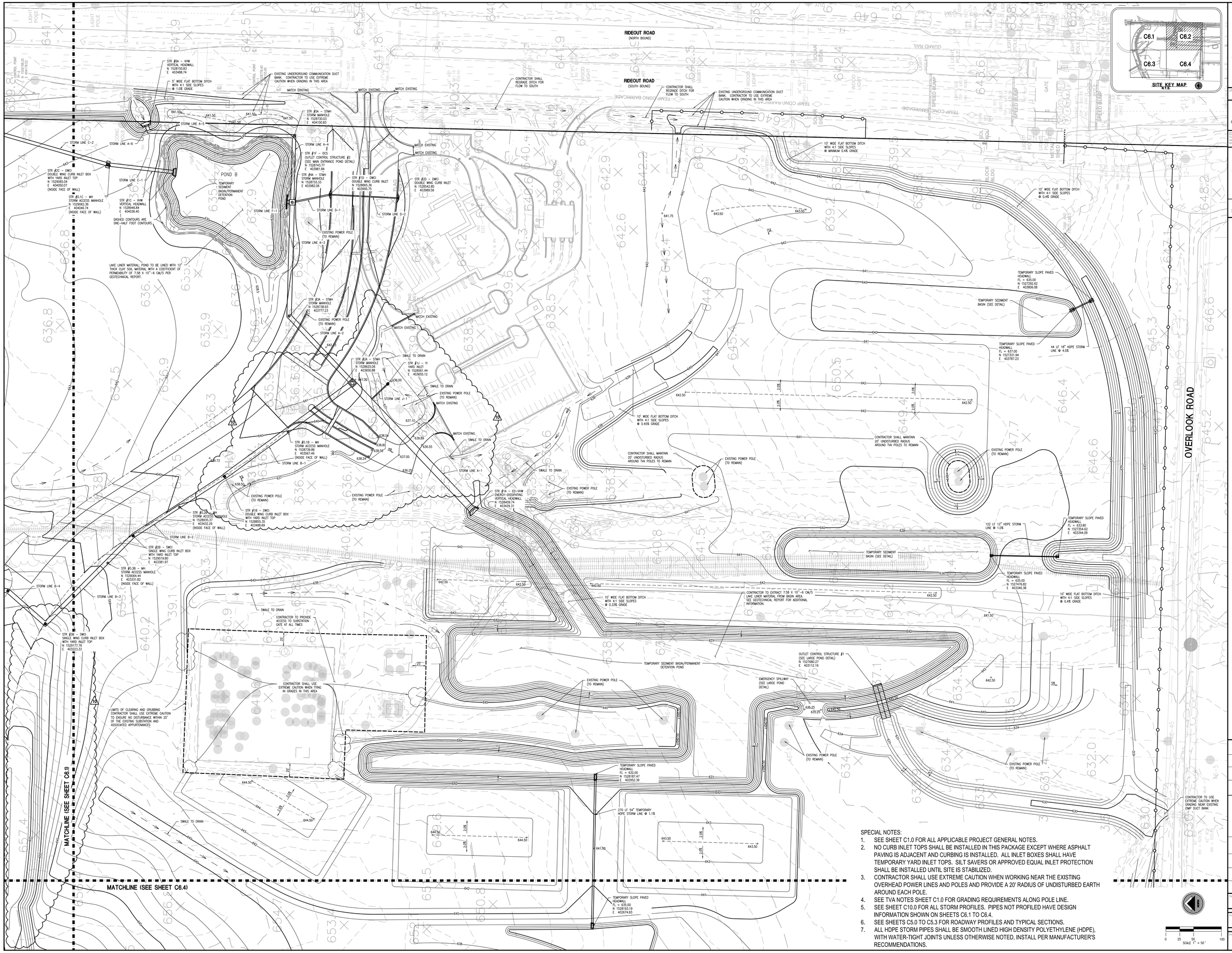
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION
10	6/7/2011	TBE	TAR	GRADING REVISIONS
5	4/27/11	TBE	TAR	STORM ACCESS MANHOLES
2	2/4/2011	TBE	TAR	STORM REVISIONS

Date
12/16/2010

Checked By: RAN
Drawn By: BSJ

Sheet Number: C6.1
Sequence: 19
Total: 43



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4. SEE TVA NOTES SHEET C1.0 FOR GRADING REQUIREMENTS ALONG POLE LINE.
5. SEE SHEET C10.0 FOR ALL STORM PROFILES. PIPES NOT PROFILED HAVE DESIGN INFORMATION SHOWN ON SHEETS C6.1 TO C6.4.
6. SEE SHEETS C5.0 TO C5.3 FOR ROADWAY PROFILES AND TYPICAL SECTIONS.
7. ALL HDPE STORM PIPES SHALL BE SMOOTH LINED HIGH DENSITY POLYETHYLENE (HDPE), WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

0 25 50 100
SCALE 1" = 50'

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HUNTSVILLE
The Heart of Alabama

MASS GRADING AND STORM DRAINAGE PLAN

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION
10	6/7/2011	TBE	TAB	REVISED GRADING
6	5/11/11	TBE	TAB	REVISED BYPASS GRADING
5	4/29/11	TBE	TAB	STORM ACCESS MANHOLES
4	4/26/11	TBE	TAB	POND B & STORM LINE A
3	2/14/2011	TBE	TAB	STORM & BYPASS REVISIONS

PHASE	SEQ. CON. NO.	INIT.	DRAWING

Date
12/16/2010

Drawn By: RAN
Checked By: BSJ

Sheet Number: C6.2
Total Sheets: 20
43

SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL APPLICABLE PROJECT GENERAL NOTES.
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5. SEE SHEET C10.0 FOR ALL STORM PROFILES. PIPES NOT PROFILED HAVE DESIGN INFORMATION SHOWN ON SHEETS C6.1 TO C6.4.
6. SEE SHEETS C5.0 TO C5.3 FOR ROADWAY PROFILES AND TYPICAL SECTIONS.
7. ALL HDPE STORM PIPES SHALL BE SMOOTH LINED HIGH DENSITY POLYETHYLENE (HDPE) WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

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HUNTSVILLE The Heart of Alabama

MASS GRADING AND STORM DRAINAGE PLAN

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

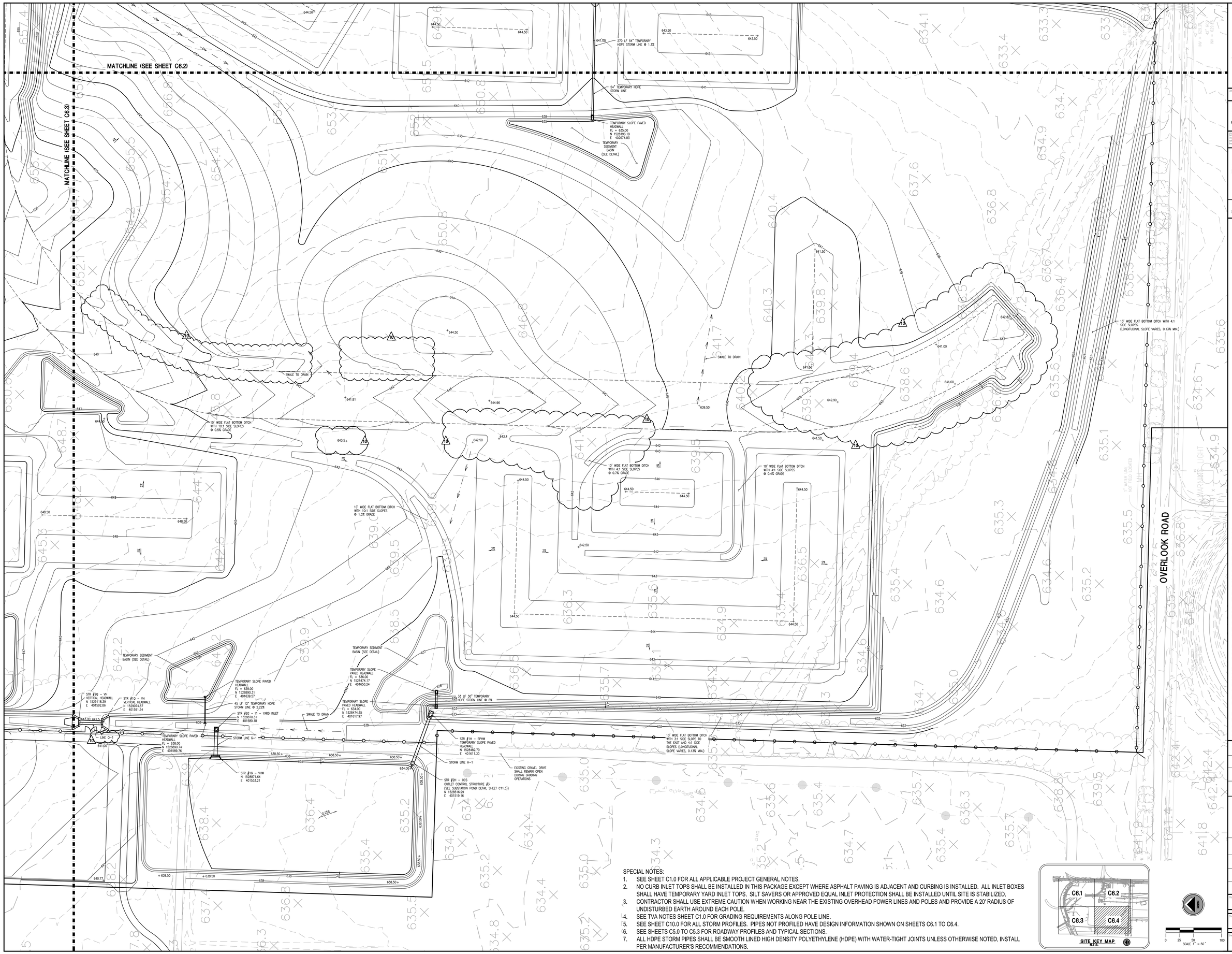
REV	DATE	DRAWN	CHECKED	DESCRIPTION
1/0	8/7/2011	TBB	TAB	GRADING REVISIONS
2	12/4/2011	TBB	TAB	ADDED STORM LINE R-1

INIT.	DATE	PE	DRAWING

Date 12/16/2010

Checked By RAN | Drawn By BSJ

Sheet Number C6.3 | Sequence 21 of 43



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5. SEE SHEET C10.0 FOR ALL STORM PROFILES. PIPES NOT PROFILED HAVE DESIGN INFORMATION SHOWN ON SHEETS C6.1 TO C6.4.
6. SEE SHEETS C5.0 TO C5.3 FOR ROADWAY PROFILES AND TYPICAL SECTIONS.
7. ALL HDPE STORM PIPES SHALL BE SMOOTH LINED HIGH DENSITY POLYETHYLENE (HDPE) WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

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HUNTSVILLE The Heart of Alabama

MASS GRADING AND STORM DRAINAGE PLAN
REDSTONE GATEWAY - PACKAGE 1A
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION
1B	6/7/2011	TRB	TAM	GRADING REVISION
2	2/14/2011	TRB	TAM	ADDED STORM LINE G-1

REV	DATE	CITY REVIEW	PE	DRAWING

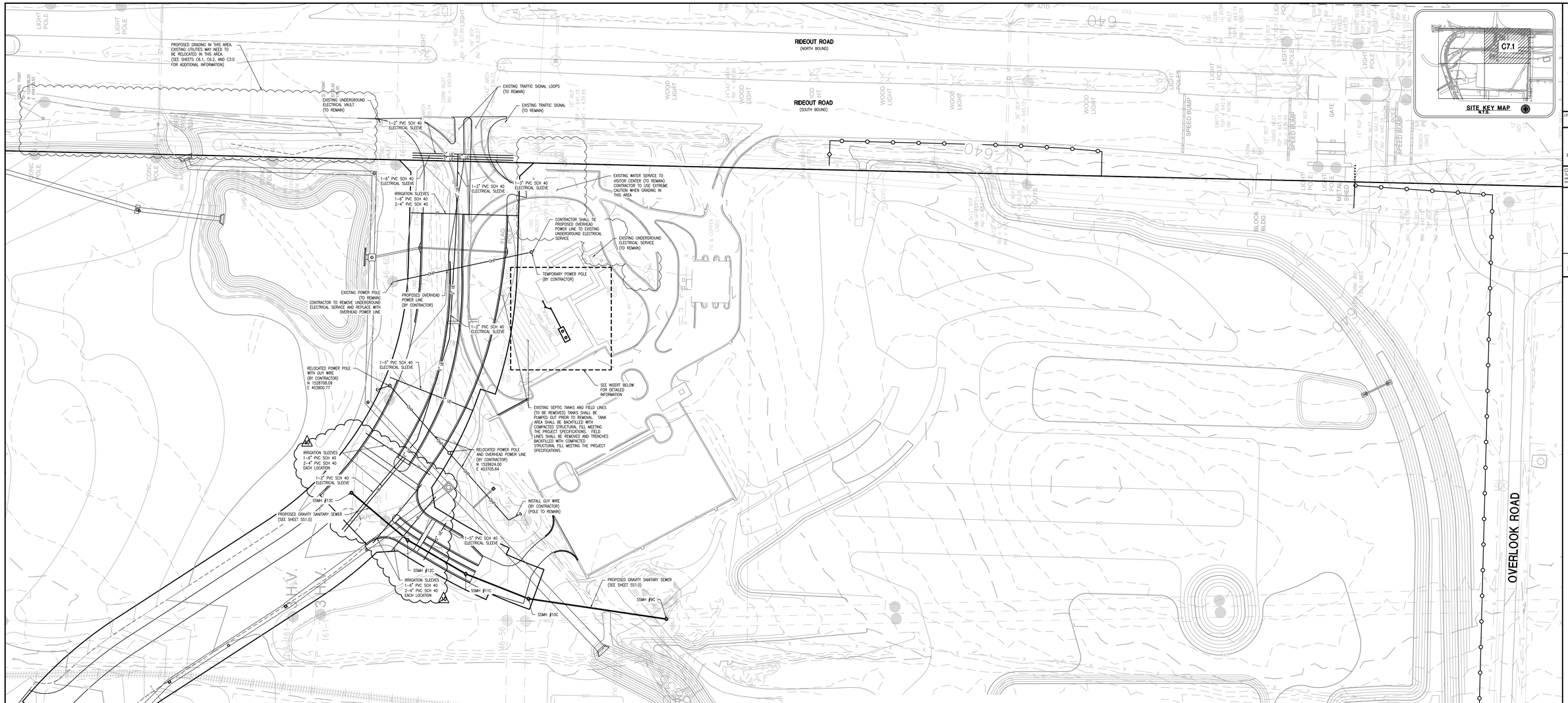
Date 12/16/2010

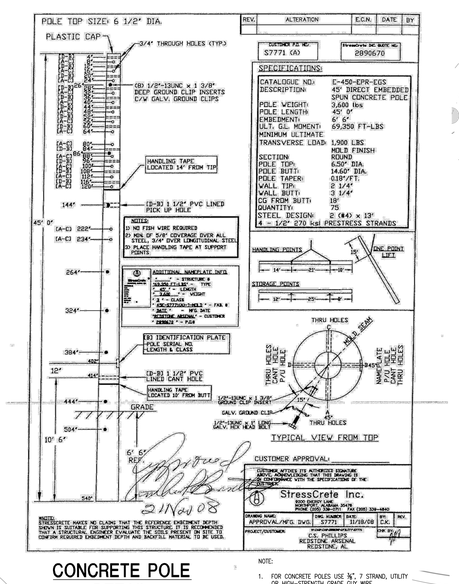
Checked By RAN

Drawn by BSJ

Sheet Number C6.4

Sequence 22 of 43





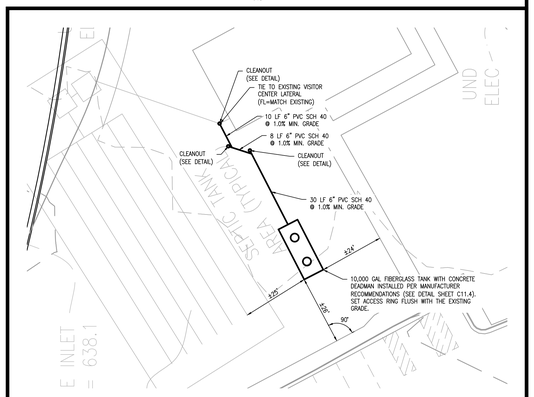
CONCRETE POLE DETAIL

NOTE:

1. FOR CONCRETE POLES USE ¼", 7 STRAND, UTILITY OR HIGH-STRENGTH GRADE GUY WIRE.
2. FOR WOOD POLES USE ¼", 7 STRAND, COMMON GRADE GUY WIRE.

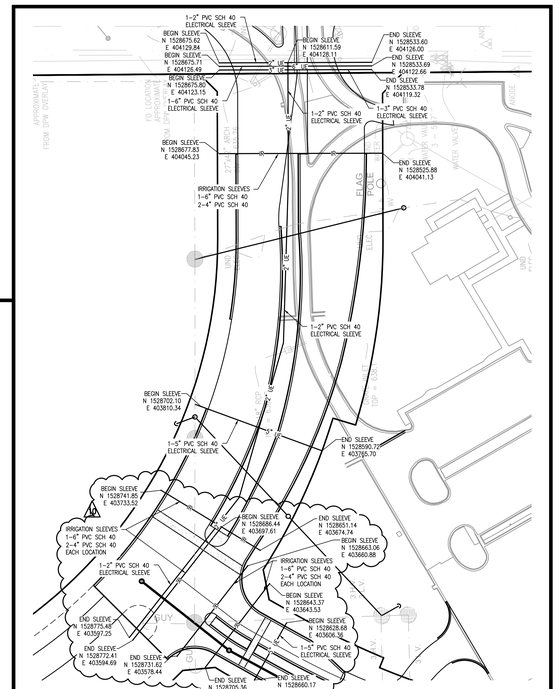
MINIMUM BREAKING STRENGTH OF STRAND:

UTILITY GRADE = 11,500 Lbs
HIGH-STRENGTH GRADE = 10,800 Lbs
COMMON GRADE = 4,250 Lbs



INSERT

SCALE: 1" = 20'



SLEEVING PLAN

SCALE: 1" = 50'

SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL APPLICABLE PROJECT GENERAL NOTES.
2. SEE DEMOLITION SHEET C3.0 FOR EXISTING POWER POLES TO REMAIN AND TO BE REMOVED.
3. CONTRACTOR SHALL NOTIFY TRENT HALL WITH HUNTSVILLE UTILITIES AT (256) 652-8620 OR trent.hall@hsvutil.org AT LEAST 48 HOURS PRIOR TO ANY ELECTRICAL WORK THAT IS TO BE INSPECTED AND APPROVED.
4. SEE SHEET C11.3 FOR SLEEVE DETAIL.

0 25 50 100
SCALE 1" = 50'

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6/7/2011

HUNTSVILLE The Heart of Alabama

REV	DATE	DRAWN	CHECKED	DESCRIPTION
10	6/7/2011	TBB	TAM	REVISED INSCRIPTION SLEEVES
7	3/10/11	TBB	TAM	NEW OVERHEAD POWER
3	2/4/2011	TBB	TAM	ADDED SANITARY SEWER

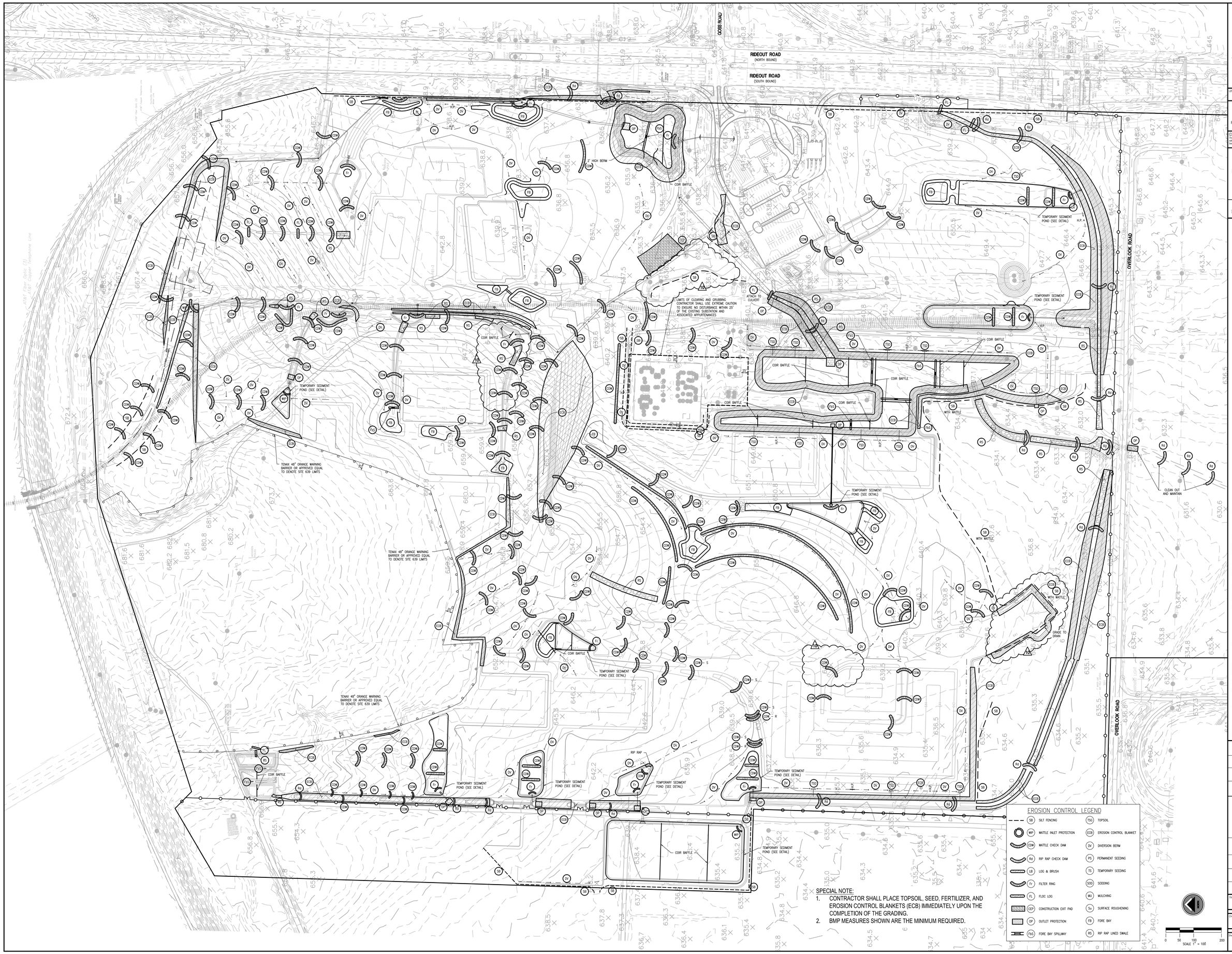
TWVTC		ELEC. CO. REVIEW	
		PE	DAMAGE

UTILITY PLAN
REDSTONE GATEWAY - PACKAGE 1A
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

Date 12/16/2010

Checked By RAN | Drawn By BSJ

Sheet Number C7.1 | Sequence 25 of 43



SPECIAL NOTE:

1. CONTRACTOR SHALL PLACE TOPSOIL, SEED, FERTILIZER, AND EROSION CONTROL BLANKETS (ECB) IMMEDIATELY UPON THE COMPLETION OF THE GRADING.
2. BMP MEASURES SHOWN ARE THE MINIMUM REQUIRED.

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HUNTSVILLE
The Space of Alabama

EROSION CONTROL PLAN - INTERMEDIATE PHASE
REDSTONE GATEWAY - PACKAGE 1A
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION
10	6/7/2011	TBS	TAD	BIDTAL SWTBSSBCTION
4	4/28/11	TBS	TAD	POND B & STROM LINE A
2	2/4/2011	TBS	TAD	STROM & BIYTES SWTCHNGS

TRAFFIC	FIELD ENGR REVIEW	PE	DRAWING

Date 12/16/2010

Checked By RAN

Drawn By BSJ

Sheet Number C8.2

Sequence 28 of 43

EROSION CONTROL PLAN - FINAL PHASE

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

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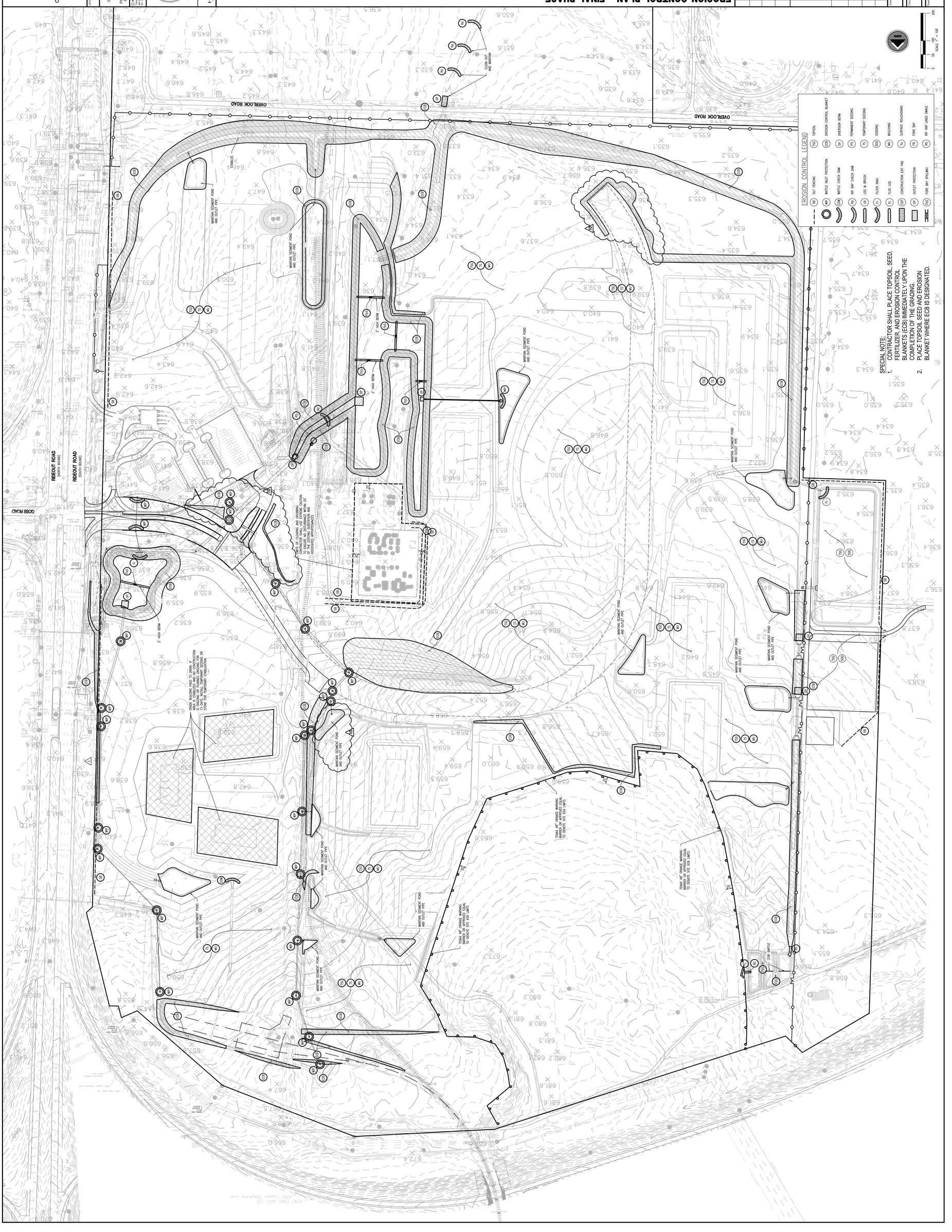
HUNTSVILLE ALABAMA

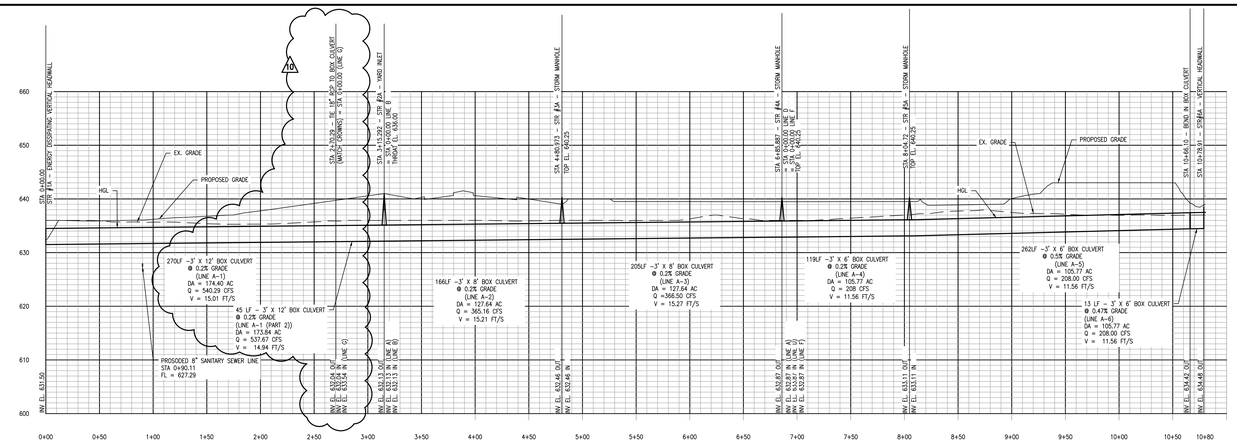
REV	DATE	DRAWN	CHECKED	DESCRIPTION
10	6/7/2011	TBE	TAK	INITIAL INTERSECTION
4	4/28/11	TBE	TAK	PODS B & STOKER LINE A
2	2/4/2011	TBE	TAK	STOKER & SITCH EXPANSIONS

NAME	DATE	PE	DESCRIPTION

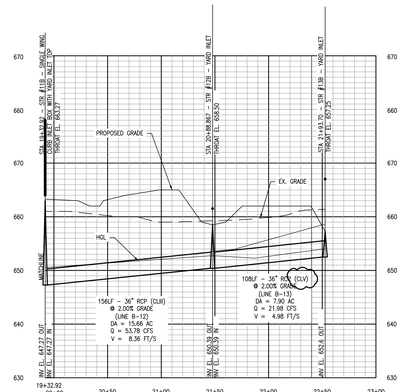
COH REVIEW

Date 12/16/2010
Drawn By RAN
Checked By BSJ
Sheet Number C8.3
Page 29 of 49

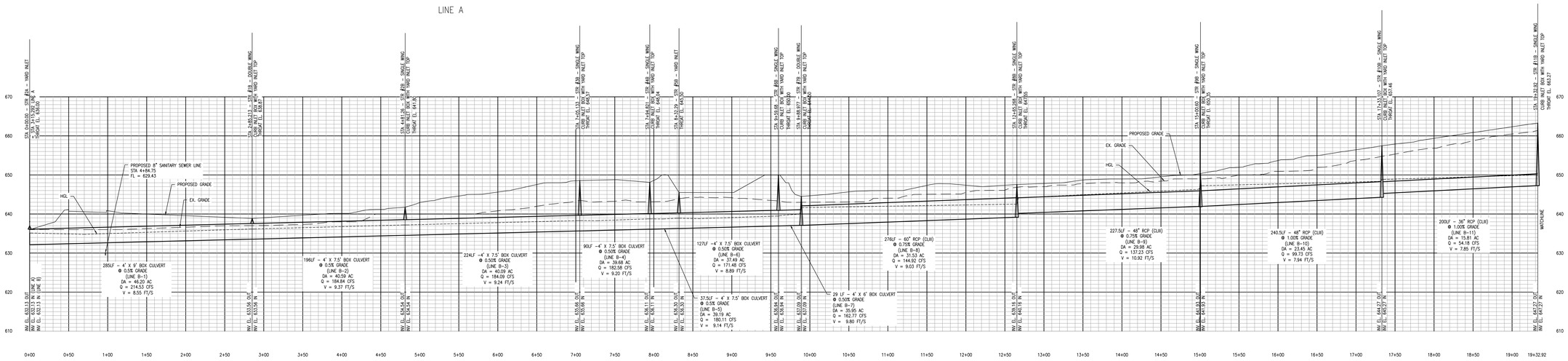




LINE A



LINE B (CONTINUED)



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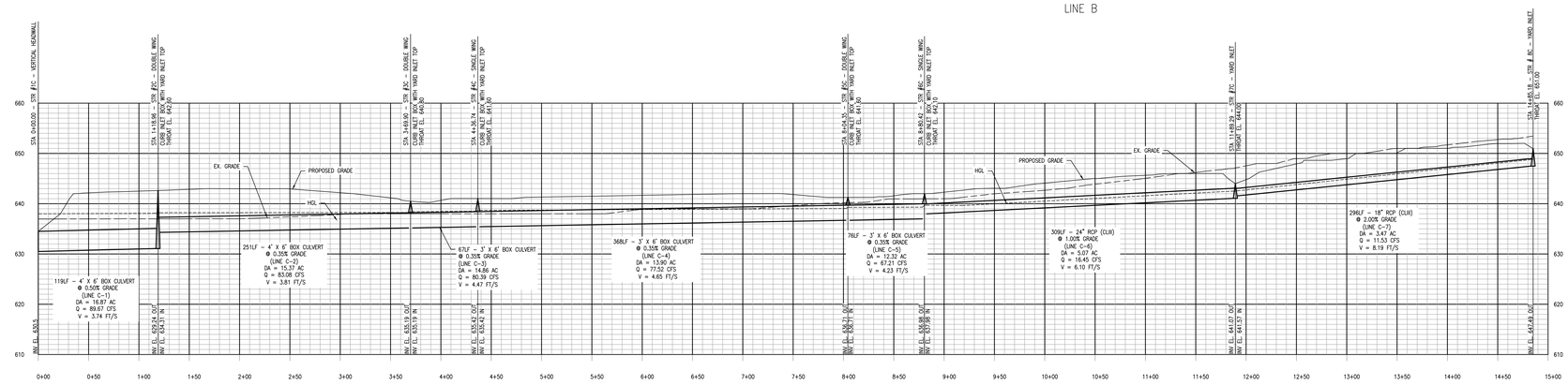
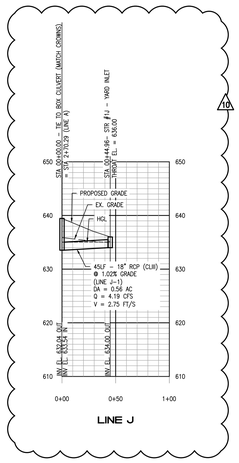
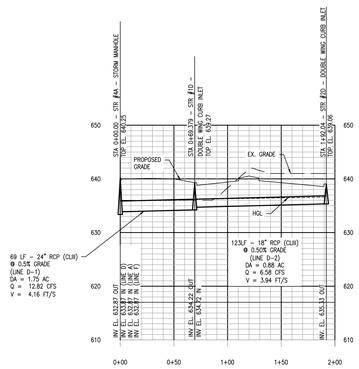


LINE C



LINE J



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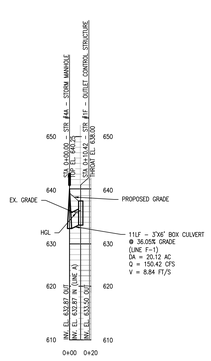
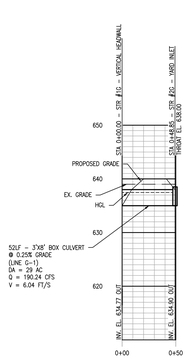
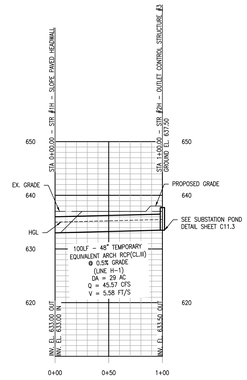


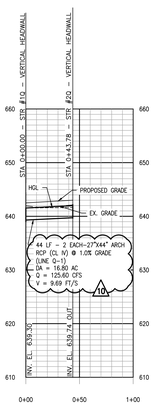
LINE F



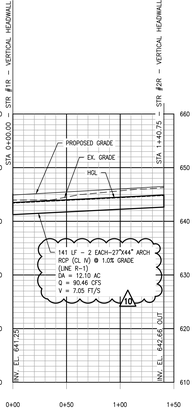
LINE G



LINE H



STORM LINE Q



STORM LINE R

SPECIAL NOTES:

1. PIPES SIZED FOR THE 25-YR STORM EVENT.
2. SEE SHEETS C6.1 TO C6.4 FOR STORM PIPE LAYOUT INFORMATION AND GRADING.
3. INSTALL STORM LINE Q AND R WITH 18" SPACING BETWEEN PIPES.

10

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

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6/7/2011

HUNTSVILLE The Heart of Alabama

STORM PROFILES

REDSTONE GATEWAY - PACKAGE 1A

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION
3	12/4/2001	TBE	TAB	STORM PROFILE REVISIONS
4	4/26/11	TBE	TAB	STORM LINE A REVISION
10	6/7/2011	TBE	TAB	STORM LINE Q & R

INIT.	DATE	DRAWING
RAN	6/6/11	PE
		CITY REVIEW

Date 12/16/2010

Checked By RAN | Drawn By BSJ

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