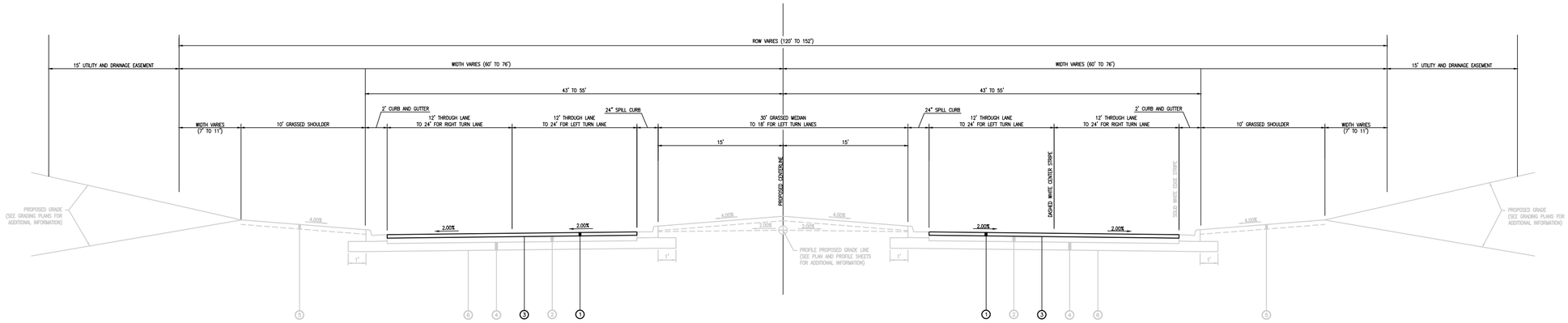
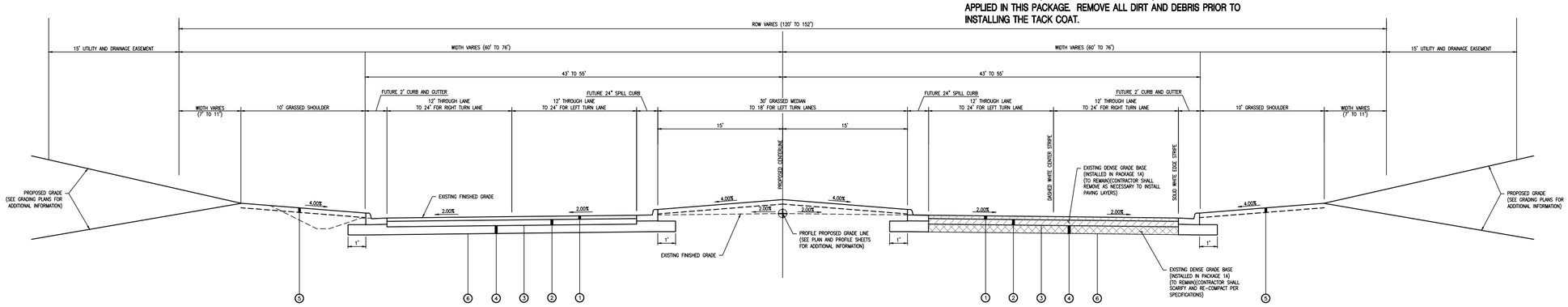


BOULEVARD "A"

STA 2+15.50 TO STA 6+75.06

NOTE:

1. THE BINDER LAYERS WILL BE INSTALLED FOR BOULEVARD "A" STA 2+15.50 THROUGH 6+75.06 UNDER THE PACKAGE 1A SCOPE OF WORK. THE WEARING SURFACE, ANY NECESSARY LEVELING, AND TACK COAT WILL BE APPLIED IN THIS PACKAGE. REMOVE ALL DIRT AND DEBRIS PRIOR TO INSTALLING THE TACK COAT.

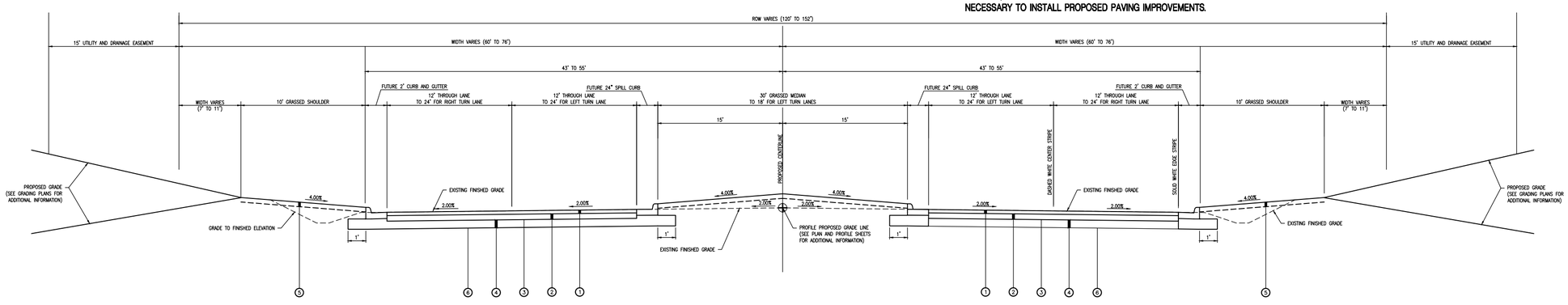


BOULEVARD "A"

STA 6+75.06 TO STA 12+26.60

NOTE:

1. THE EXISTING CRUSHED AGGREGATE BASE COURSE WILL BE INSTALLED FROM PACKAGE 1A. CONTRACTOR SHALL REMOVE, REPLACE, AND RE-COMPACT EXISTING AGGREGATE BASE AS NECESSARY TO INSTALL PROPOSED PAVING IMPROVEMENTS.



BOULEVARD "A"

STA 12+26.60 TO STA 40+25.00

NOTE:

1. THE EXISTING GRADE WILL BE GRADED TO PROPOSED FINISHED GRADE FROM PACKAGE 1A. CONTRACTOR SHALL REMOVE, REPLACE, AND RE-COMPACT EXISTING FILL AS NECESSARY TO INSTALL PROPOSED PAVING IMPROVEMENTS. 4" OF TOPSOIL SHALL ALSO BE REMOVED PRIOR TO SCARIFYING AND RECOMPACTING.

BOULEVARD "A" REQUIRED MATERIALS LEGEND

LEGEND	ITEM	ITEM DESCRIPTION
1	424-A	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, ½" MAX AGGREGATE SIZE MIX, ESAL RANGE A, 165 LB/SY (1.5" THICK)
2	424-A	SUPERPAVE BITUMINOUS CONCRETE BINDER LAYER, 1" MAX AGGREGATE SIZE MIX, ESAL RANGE A, 550 LB/SY (5.0" THICK)
3	405-A	TACK COAT
4	825	8" CRUSHED AGGREGATE BASE, TYPE B, PLANT MIXED, 4" COMPACTED THICKNESS (2 LAYERS), ALDOT SPEC 825.
5	650A-000 650B-000	TOPSOIL(APPROXIMATELY 4" THICK) OR TOPSOIL FROM STOCKPILES(APPROXIMATELY 4" THICK)
6	210A-000 210D-000	UNCLASSIFIED EXCAVATION OR BORROW EXCAVATION

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03/14/2011

HUNTSVILLE The Heart of Alabama

BOULEVARD 'A' - TYPICAL SECTIONS

REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES

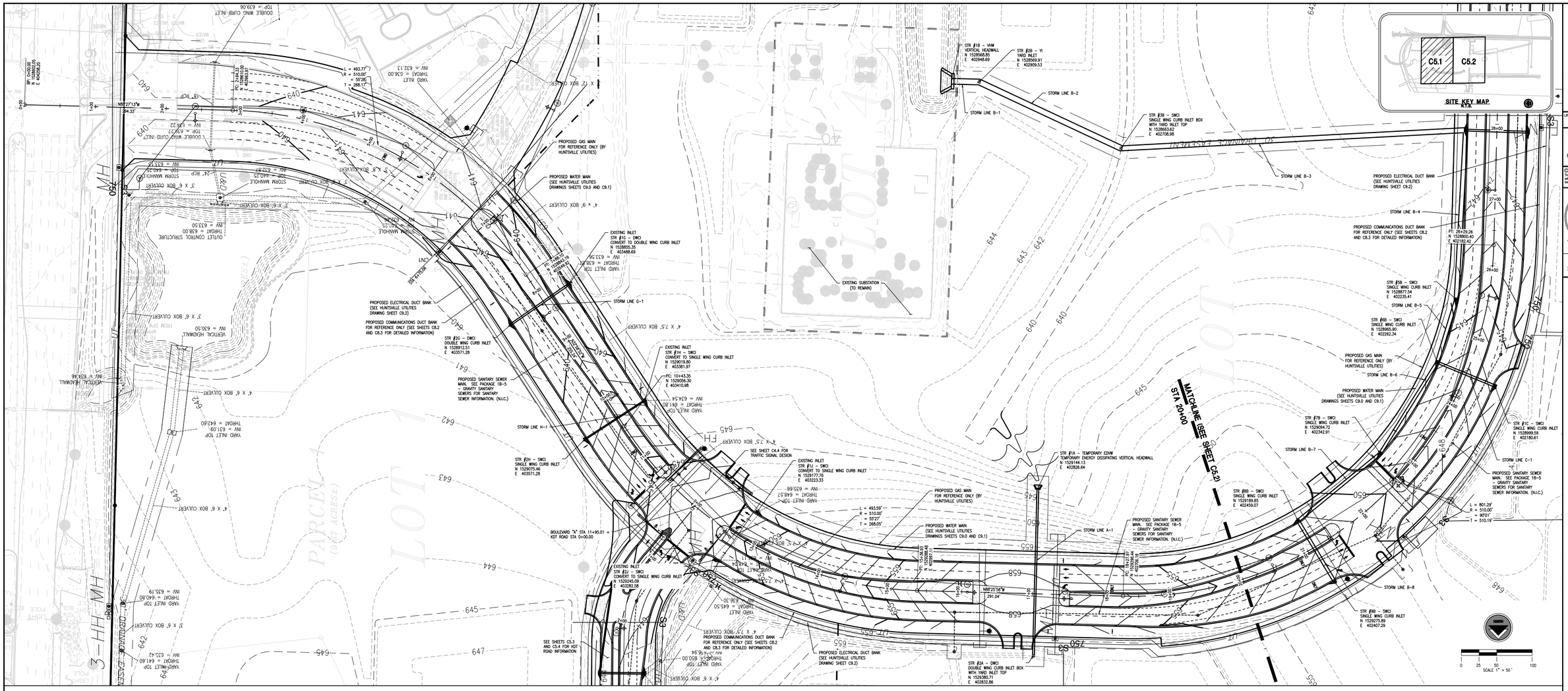
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

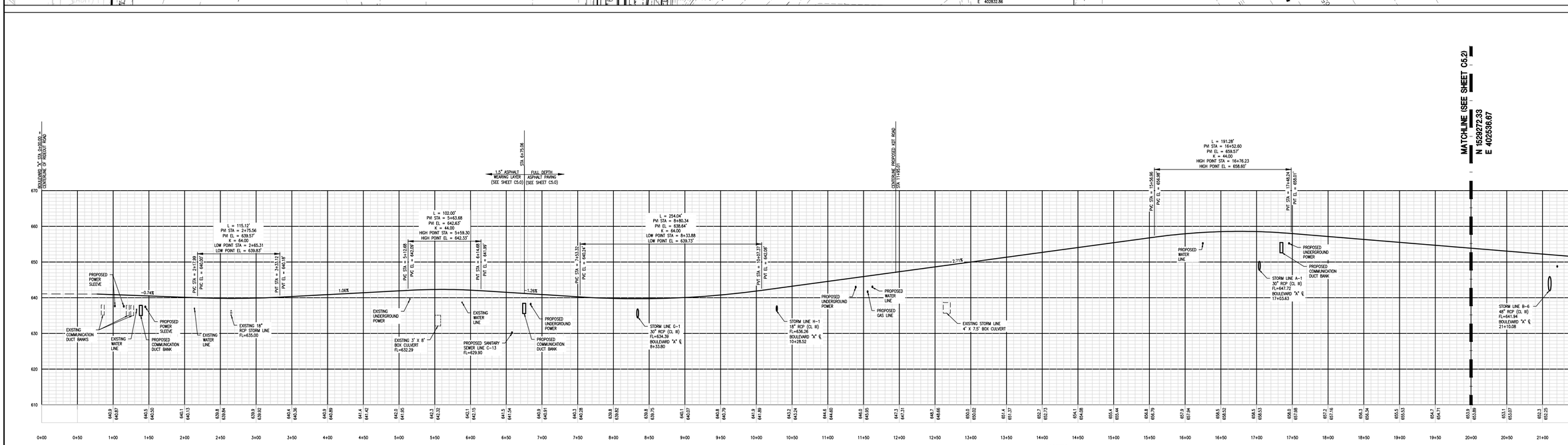
REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	ENG. REVIEW / CITY REVIEW	PE	DRAWING

Date 03/14/2011

Checked By RAN | Drawn By BSJ

Sheet Number C5.0 | Sequence 10 | Total 42





NOTES:

1. SEE SHEET C1.0 FOR ALL GENERAL NOTES.
2. SEE SHEET C5.0 FOR THE TYPICAL SECTION INFORMATION AND PROPOSED GRADE POINT.
3. SEE SHEET C6.0 AND C6.1 FOR ALL STORM DRAINAGE INFORMATION.
4. SEE HUNTSVILLE UTILITIES DRAWINGS FOR ALL WATER, GAS, AND ELECTRICAL INFORMATION.
5. SEE SHEETS C8.2 AND C8.3 FOR ALL COMMUNICATIONS DUCT BANK INFORMATION.
6. SEE SHEET C4.4 FOR TRAFFIC SIGNAL INFORMATION.
7. SEE PACKAGE 1B-5 - GRAVITY SANITARY SEWERS FOR SANITARY SEWER INFORMATION.
8. SEE SHEETS C10.0 TO C10.4 FOR ROADWAY CROSS SECTIONS.

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

PROPOSED FINISHED GRADE
EXISTING GRADE

EXISTING GRADE IS GRADED TO THE PROPOSED FINISHED GRADE IN PACKAGE 1A.

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HUNTSVILLE
The Star of Alabama

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

REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES

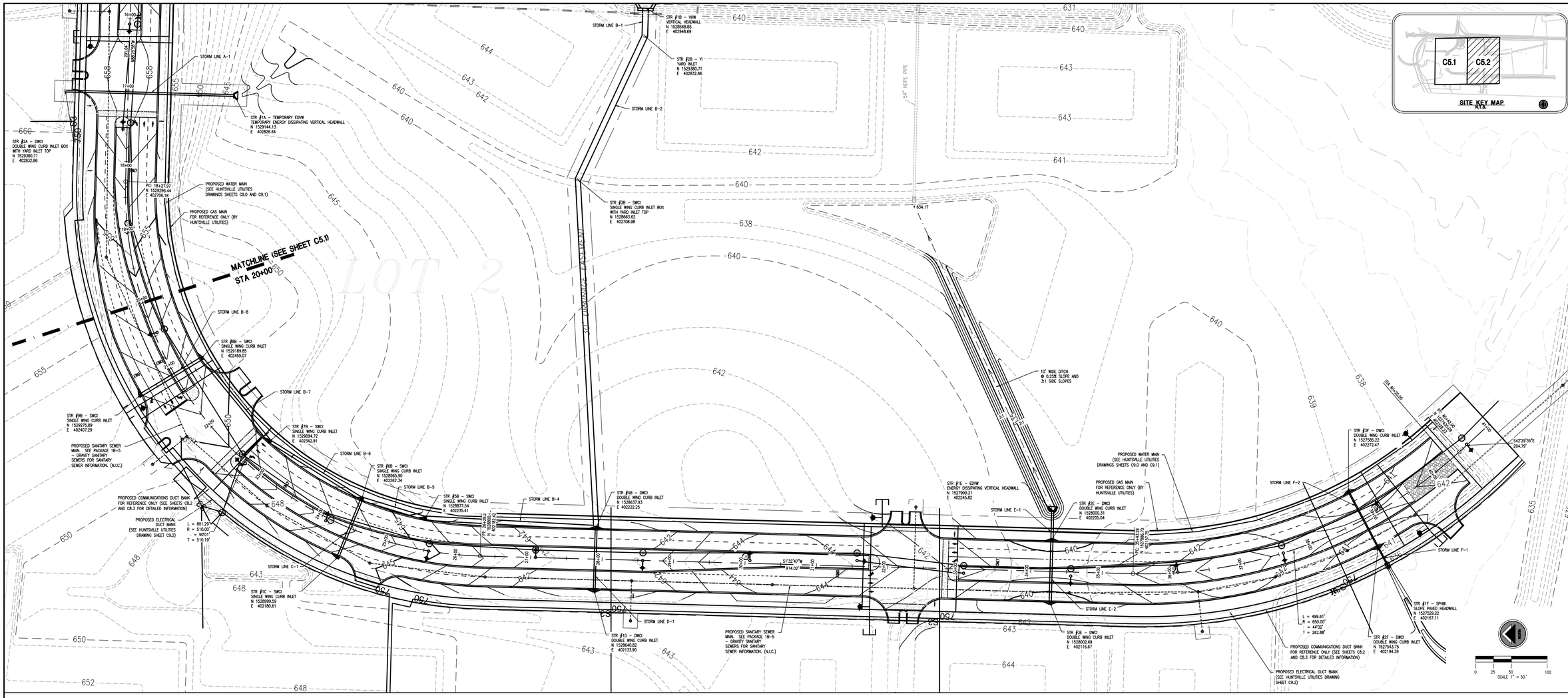
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

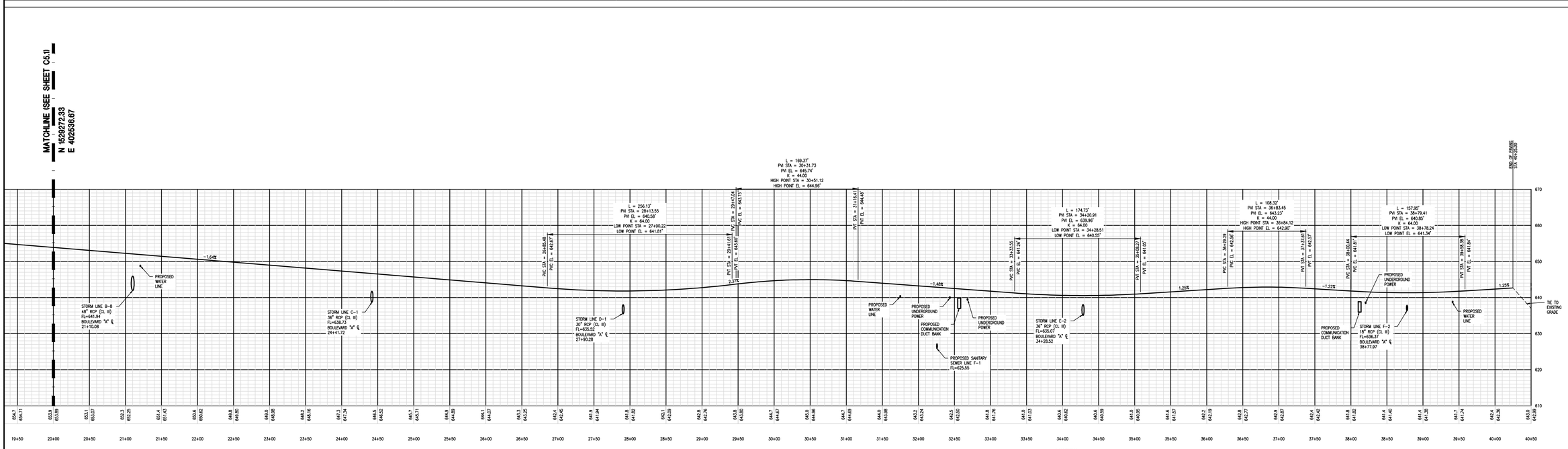
REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	BOL ESCR	PE	DRAWING
								CON REVIEW

Date: 03/14/2011

Checked By: RAN
Drawn By: BSJ

Sheet Number: C5.1
Sequence: 11
Total: 42





NOTES:

1. SEE SHEET C5.0 FOR THE TYPICAL SECTION INFORMATION AND PROPOSED GRADE POINT.
2. SEE SHEET C6.0 AND C6.1 FOR ALL STORM DRAINAGE INFORMATION.
3. SEE HUNTSVILLE UTILITIES DRAWINGS FOR ALL WATER, GAS, AND ELECTRICAL INFORMATION.
4. SEE SHEETS C8.2 AND C8.3 FOR ALL COMMUNICATIONS DUCT BANK INFORMATION.
5. SEE SHEET C4.4 FOR TRAFFIC SIGNAL INFORMATION.
6. SEE PACKAGE 1B-5 - GRAVITY SANITARY SEWERS FOR SANITARY SEWER INFORMATION.
7. SEE SHEETS C10.0 TO C10.4 FOR ROADWAY CROSS SECTIONS.

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

PROPOSED FINISHED GRADE
EXISTING GRADE

EXISTING GRADE IS GRADED TO THE PROPOSED FINISHED GRADE IN PACKAGE 1A.

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HUNTSVILLE The Rocket City

BOULEVARD 'A' - PLAN AND PROFILE (STA 20+00 TO STA 41+00)

REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	ROW COORDINATOR	PE	DRAWING

Date: 03/14/2011

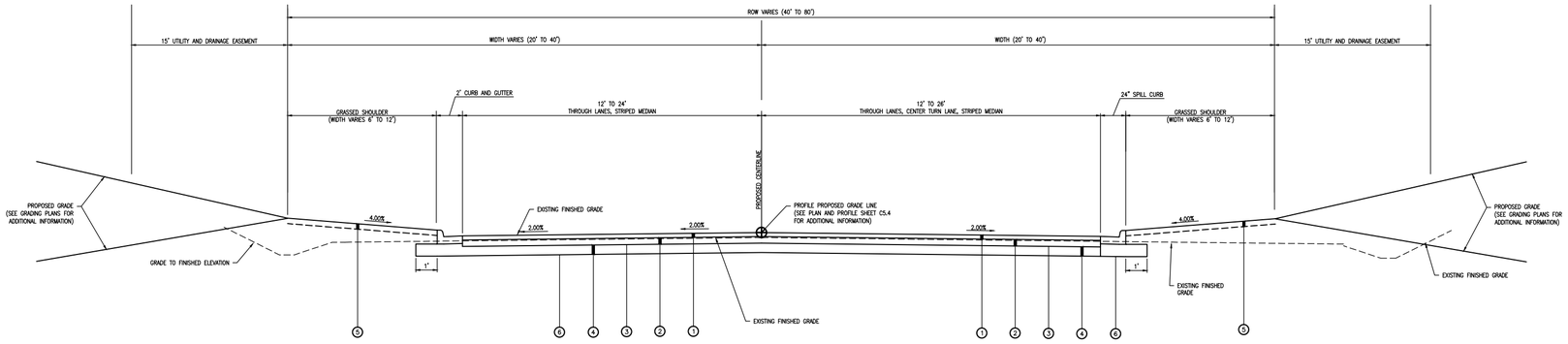
Checked By: RAN

Drawn By: BSJ

Sheet Number: C5.2

Sequence: 12

Total: 42

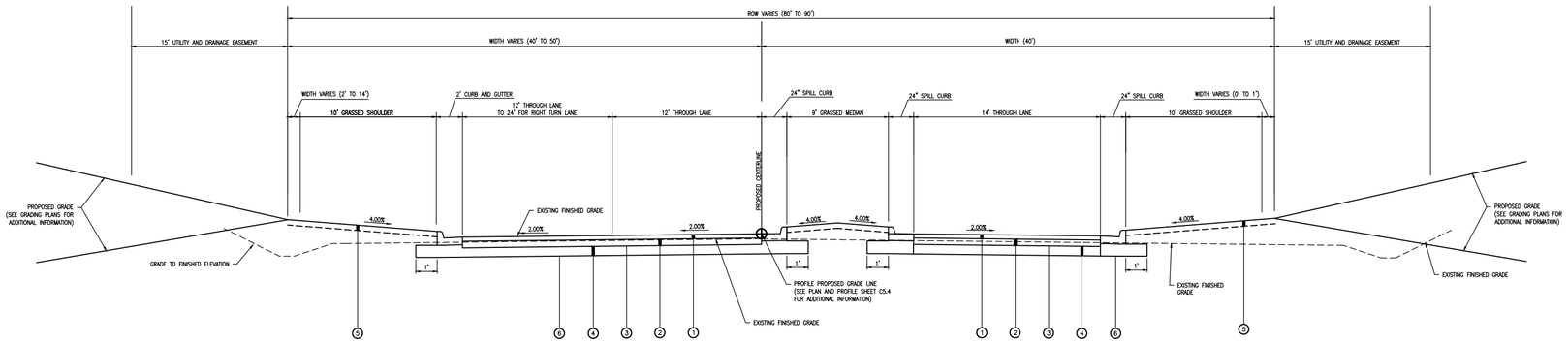


"KDT" ROAD

STA 3+52.95 TO STA 12+90.00

NOTE:

1. EXISTING GRADE WILL BE GRADED TO PROPOSED FINISHED GRADE FROM PACKAGE 1A. CONTRACTOR SHALL REMOVE, REPLACE, AND RE-COMPACT EXISTING FILL AS NECESSARY TO INSTALL PROPOSED PAVING IMPROVEMENTS. 4" OF TOPSOIL SHALL ALSO BE REMOVED PRIOR TO SCARIFYING AND RECOMPACTING.



"KDT" ROAD

STA 0+00.00 TO STA 3+52.95

NOTE:

1. EXISTING GRADE WILL BE GRADED TO PROPOSED FINISHED GRADE FROM PACKAGE 1A. CONTRACTOR SHALL REMOVE, REPLACE, AND RE-COMPACT EXISTING FILL AS NECESSARY TO INSTALL PROPOSED PAVING IMPROVEMENTS. 4" OF TOPSOIL SHALL ALSO BE REMOVED PRIOR TO SCARIFYING AND RECOMPACTING.

KDT ROAD REQUIRED MATERIALS LEGEND

LEGEND	ITEM	ITEM DESCRIPTION
1	424-A	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, ½" MAX AGGREGATE SIZE MIX, ESAL RANGE A, 165 LB/SY (1.5" THICK)
2	424-A	SUPERPAVE BITUMINOUS CONCRETE BINDER LAYER, 1" MAX AGGREGATE SIZE MIX, ESAL RANGE A, 550 LB/SY (5.0" THICK)
3	405-A	TACK COAT
4	825	8" CRUSHED AGGREGATE BASE, TYPE B, PLANT MIXED, 4" COMPACTED THICKNESS (2 LAYERS), ALDOT SPEC 825.
5	650A-000 650B-000	TOPSOIL(APPROXIMATELY 4" THICK) OR TOPSOIL FROM STOCKPILES(APPROXIMATELY 4" THICK)
6	210A-000 210D-000	UNCLASSIFIED EXCAVATION OR BORROW EXCAVATION

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"KDT" ROAD - TYPICAL SECTIONS
REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	ALDOT FOR REVIEW	RE	CHANGE

Date
03/14/2011

Checked By
RAN

Drawn By
BSJ

Sheet Number
C5.3

Sequence
13
Total
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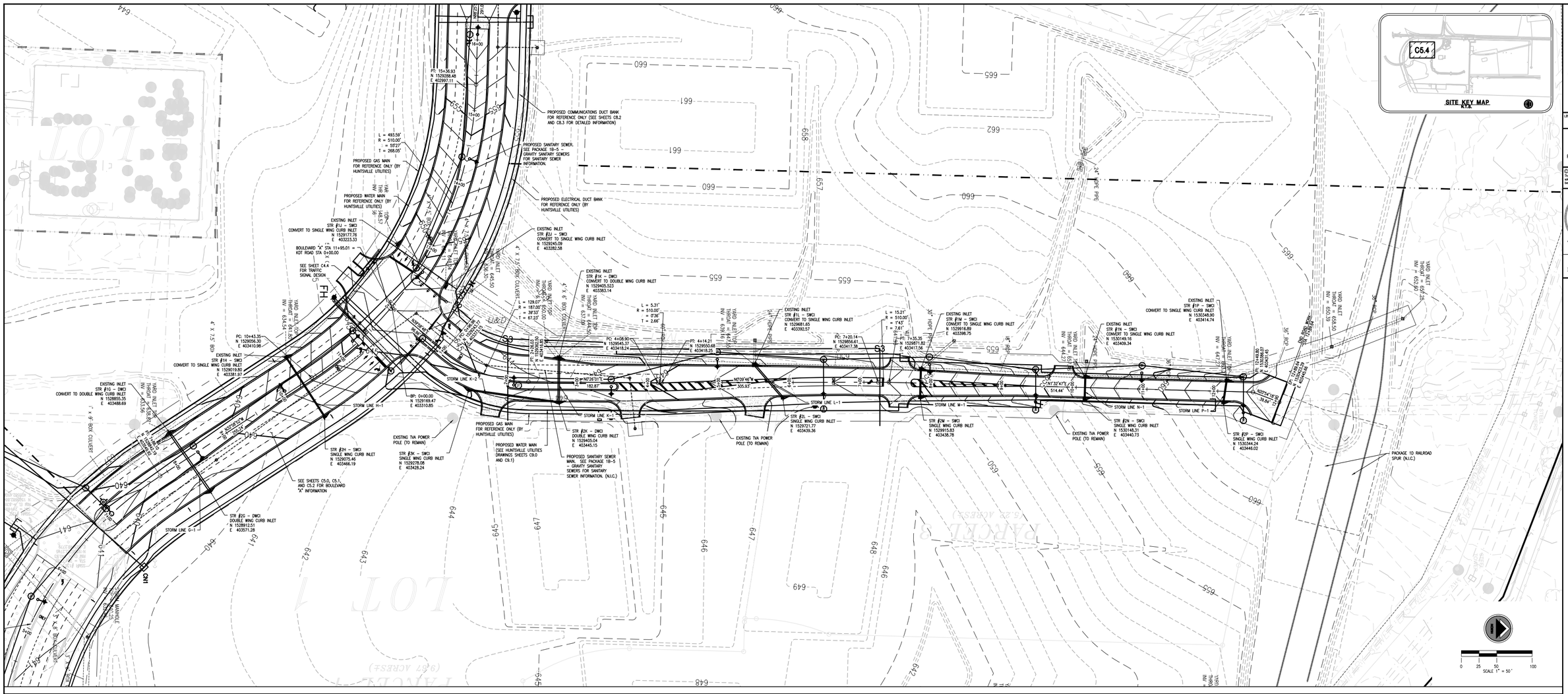

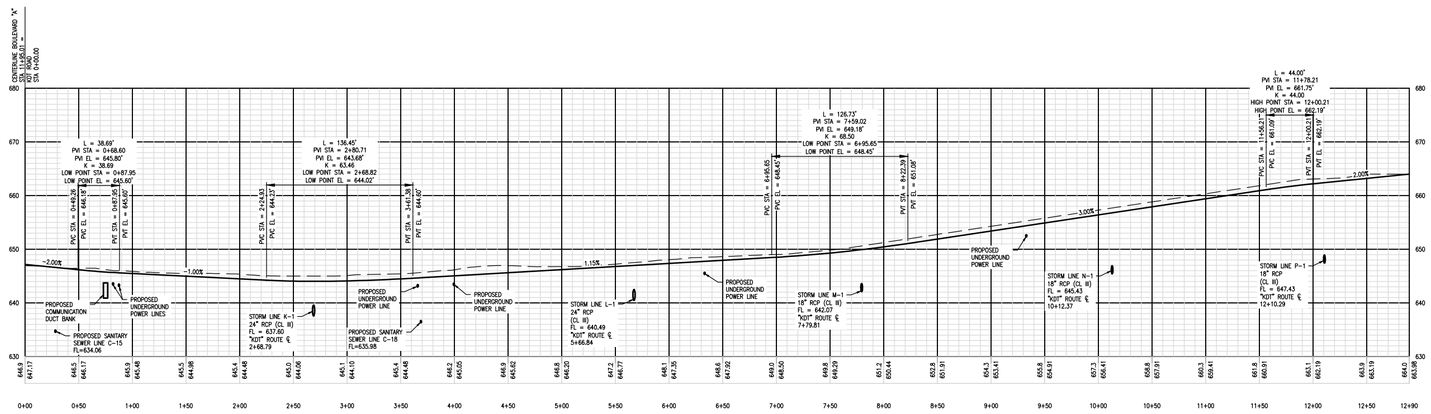

NOTES:

1. SEE SHEET C1.0 FOR ALL GENERAL NOTES.
2. SEE SHEET C5.3 FOR THE TYPICAL SECTION INFORMATION AND PROPOSED GRADE POINT.
3. SEE SHEET C6.0 AND C6.1 FOR ALL STORM DRAINAGE INFORMATION.
4. SEE HUNTSVILLE UTILITIES DRAWINGS FOR ALL WATER, GAS, AND ELECTRICAL INFORMATION.
5. SEE SHEETS C8.2 AND C8.3 FOR ALL COMMUNICATIONS DUCT BANK INFORMATION.
6. SEE SHEET C4.4 FOR TRAFFIC SIGNAL INFORMATION.
7. SEE PACKAGE 1B-5 - GRAVITY SANITARY SEWERS FOR SANITARY SEWER INFORMATION.
8. SEE SHEETS C10.5 TO C10.6 FOR ROADWAY CROSS SECTIONS.

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

PROPOSED FINISHED GRADE
EXISTING GRADE

EXISTING GRADE IS GRADED TO THE PROPOSED FINISHED GRADE IN PACKAGE 1A.

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"KDT" ROAD - PLAN AND PROFILE

REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES

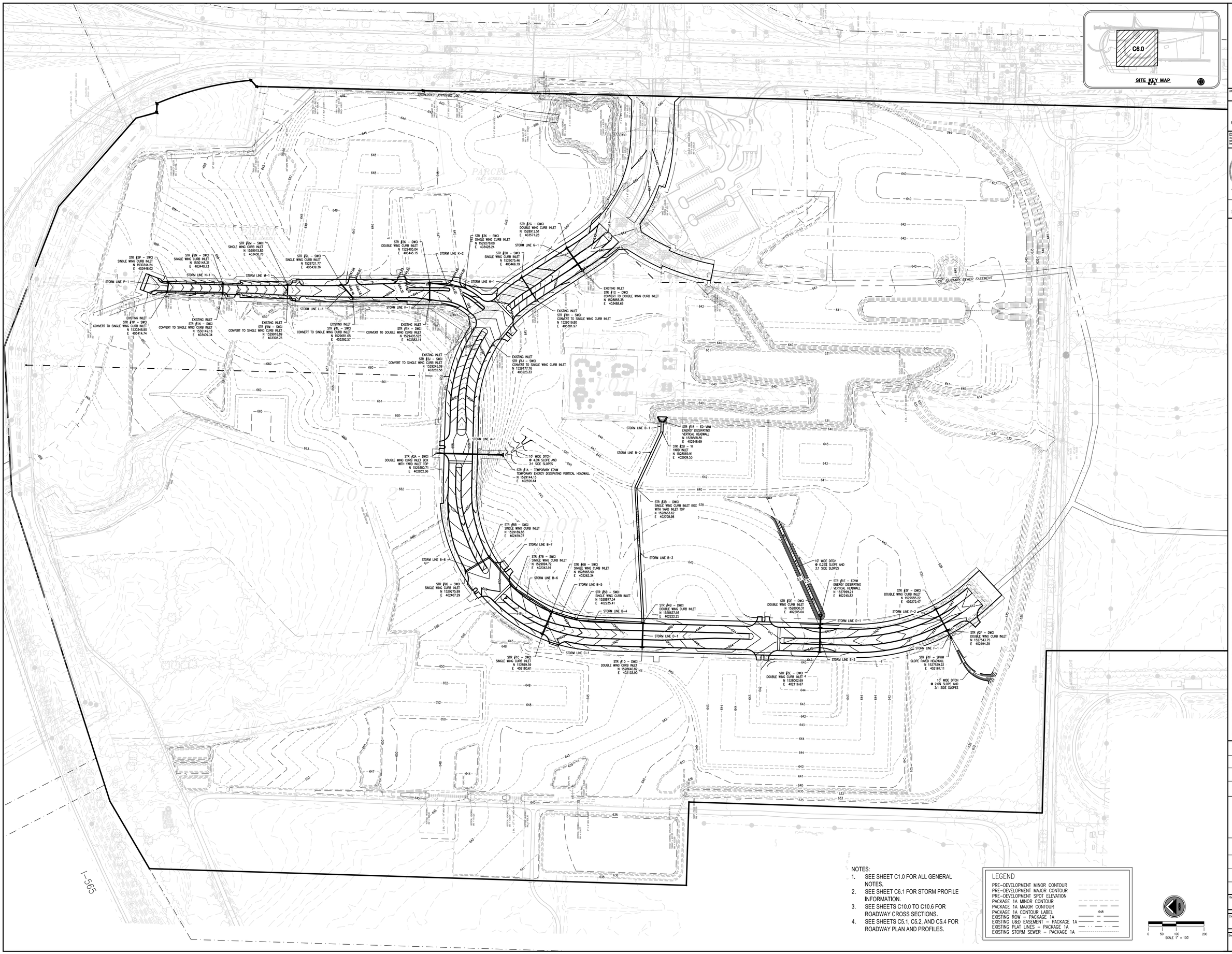
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	WQ/ EDS	PE	DRAWING

Date: 03/14/2011

Checked By: RAN
Drawn By: BSJ

Sheet Number: C5.4
Sequence: 14
Total: 42



NOTES:

1. SEE SHEET C1.0 FOR ALL GENERAL NOTES.
2. SEE SHEET C6.1 FOR STORM PROFILE INFORMATION.
3. SEE SHEETS C10.0 TO C10.6 FOR ROADWAY CROSS SECTIONS.
4. SEE SHEETS C5.1, C5.2, AND C5.4 FOR ROADWAY PLAN AND PROFILES.

LEGEND

PRE-DEVELOPMENT MINOR CONTOUR	
PRE-DEVELOPMENT MAJOR CONTOUR	
PRE-DEVELOPMENT SPOT ELEVATION	
PACKAGE 1A MINOR CONTOUR	
PACKAGE 1A MAJOR CONTOUR	
PACKAGE 1A CONTOUR LABEL	648
EXISTING ROW – PACKAGE 1A	
EXISTING U&D EASEMENT – PACKAGE 1A	
EXISTING PLAT LINES – PACKAGE 1A	
EXISTING STORM SEWER – PACKAGE 1A	

0 50 100 200
SCALE 1" = 100

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HUNTSVILLE The Port of Alabama

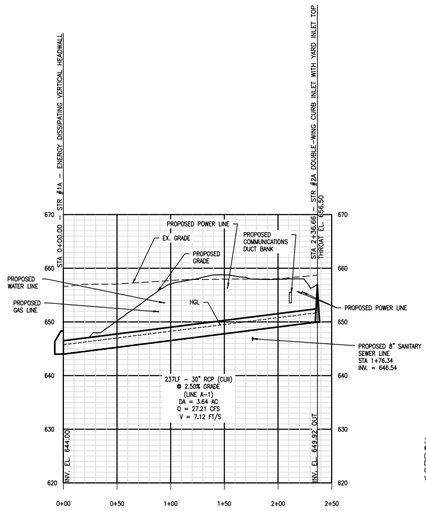
GRADING AND STORM DRAINAGE PLAN
REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TWPS	RGE	COR	SECTOR	IT	DRAWING

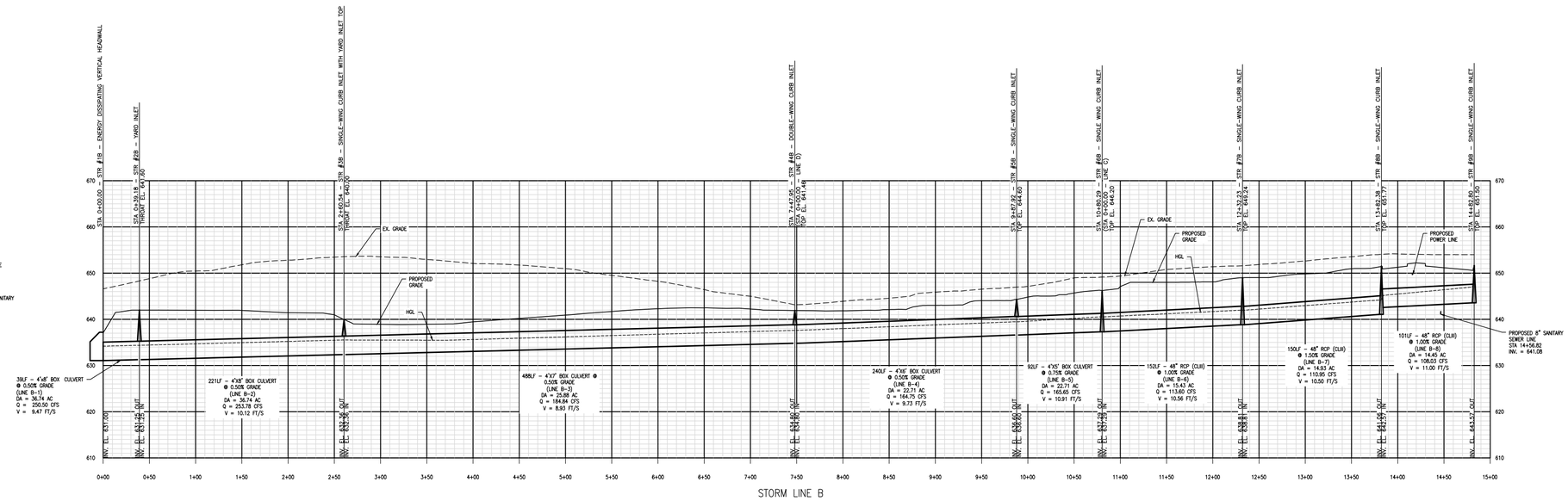
Date 03/14/2011

Checked By RAN | Drawn By BSJ

Sheet Number C6.0 | Sequence 15 | Total 42



STORM LINE A



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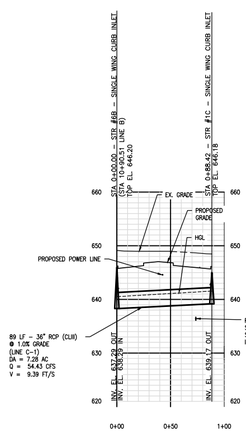

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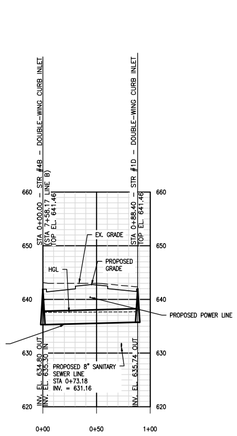
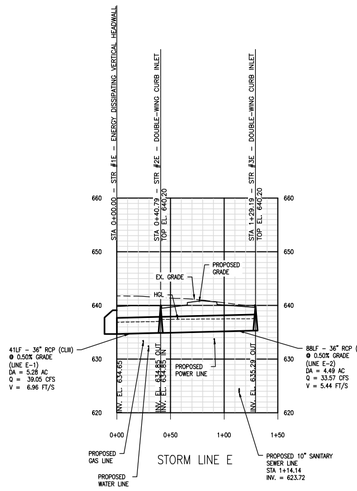
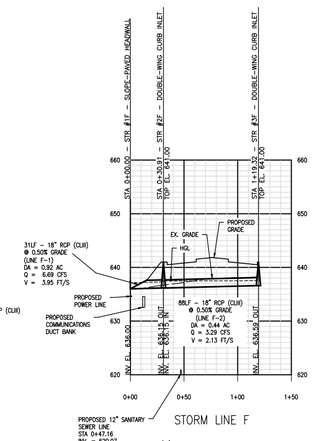


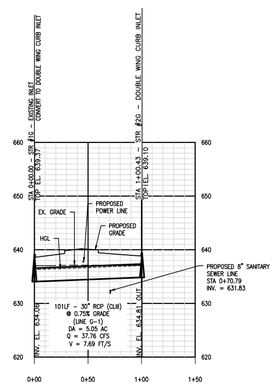
STORM LINE D



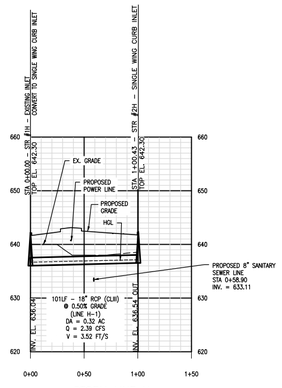
STORM LINE E



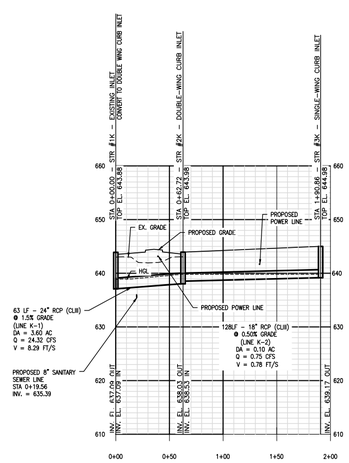
STORM LINE F



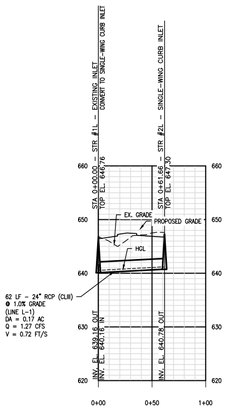
STORM LINE G



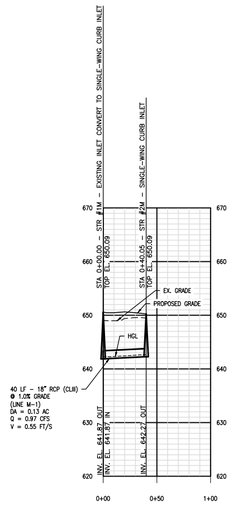
STORM LINE H



STORM LINE K



STORM LINE L



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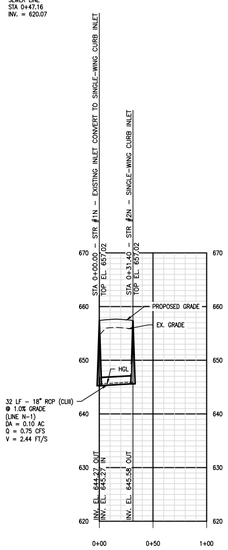
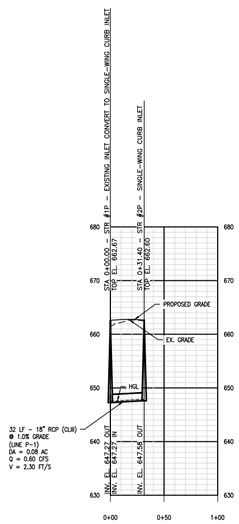


STORM LINE N



STORM LINE P

SPECIAL NOTES:
1. PIPES SIZED FOR THE 25-YEAR STORM
2. SEE SHEETS C6.0 FOR STORM PIPE LAYOUT INFORMATION AND GRADING

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

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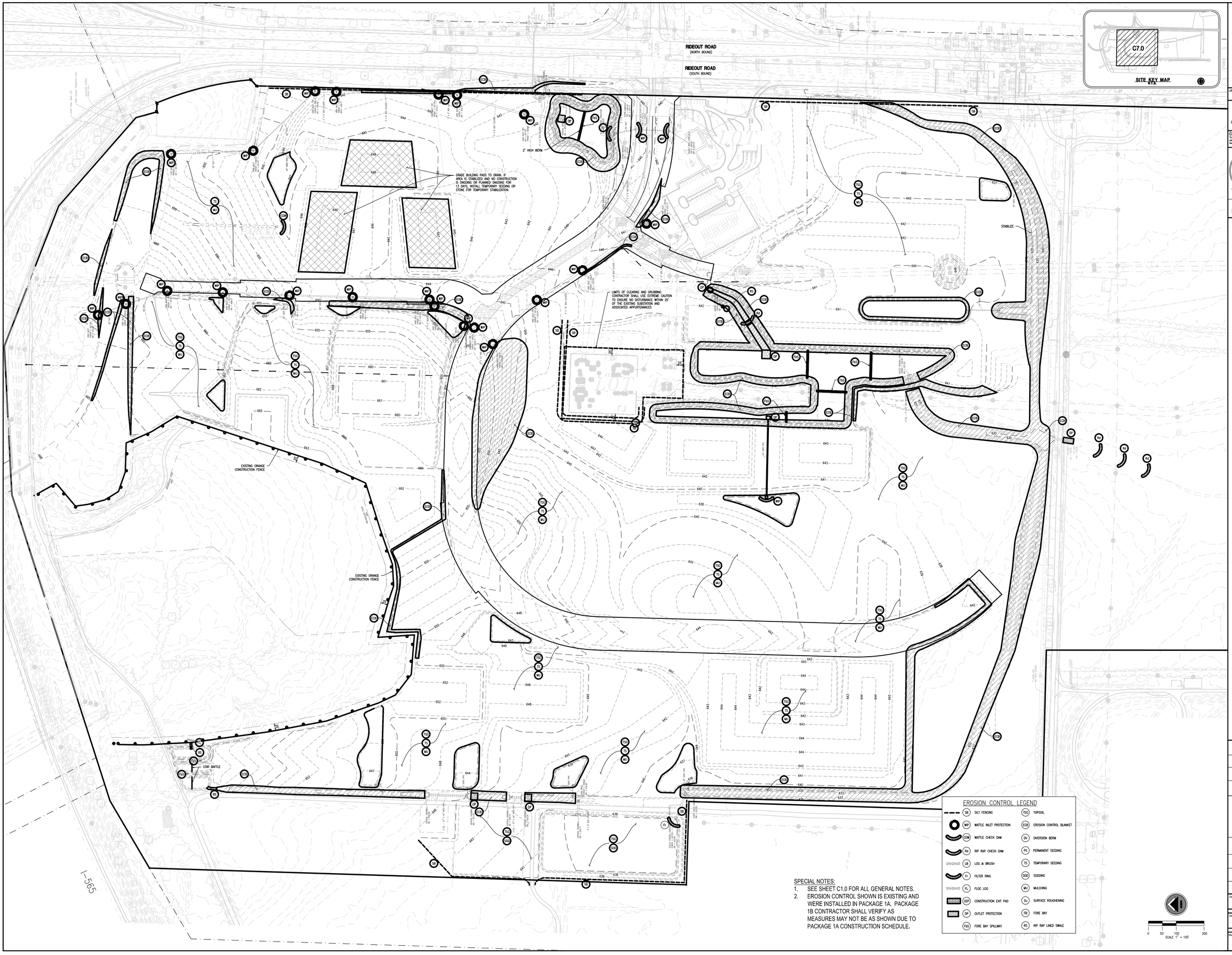
03/14/2011

HUNTSVILLE The Rocket City

STORM DRAINAGE PROFILES
REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRAFFIC	R.O.W. CON. ENGINEER	IT	DRAINAGE

Date 03/14/2011
Checked By RAN
Drawn By BSJ
Sheet Number C6.1
Sequence 16
Total 42



SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL GENERAL NOTES.
2. EROSION CONTROL SHOWN IS EXISTING AND WERE INSTALLED IN PACKAGE 1A. PACKAGE 1B CONTRACTOR SHALL VERIFY AS MEASURES MAY NOT BE AS SHOWN DUE TO PACKAGE 1A CONSTRUCTION SCHEDULE.

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ALABAMA REGISTERED No. 26754 PROFESSIONAL ENGINEER
03/14/2011

HUNTSVILLE The Rocket City

OVERALL EROSION CONTROL PLAN - PACKAGE 1A FINAL CONDITION (FOR REFERENCE ONLY)

REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

REV	DATE	DRAWN	CHECKED	DESCRIPTION	TRWC	RDS. COR. REVIEW	PE	DRAWING

Date 03/14/2011

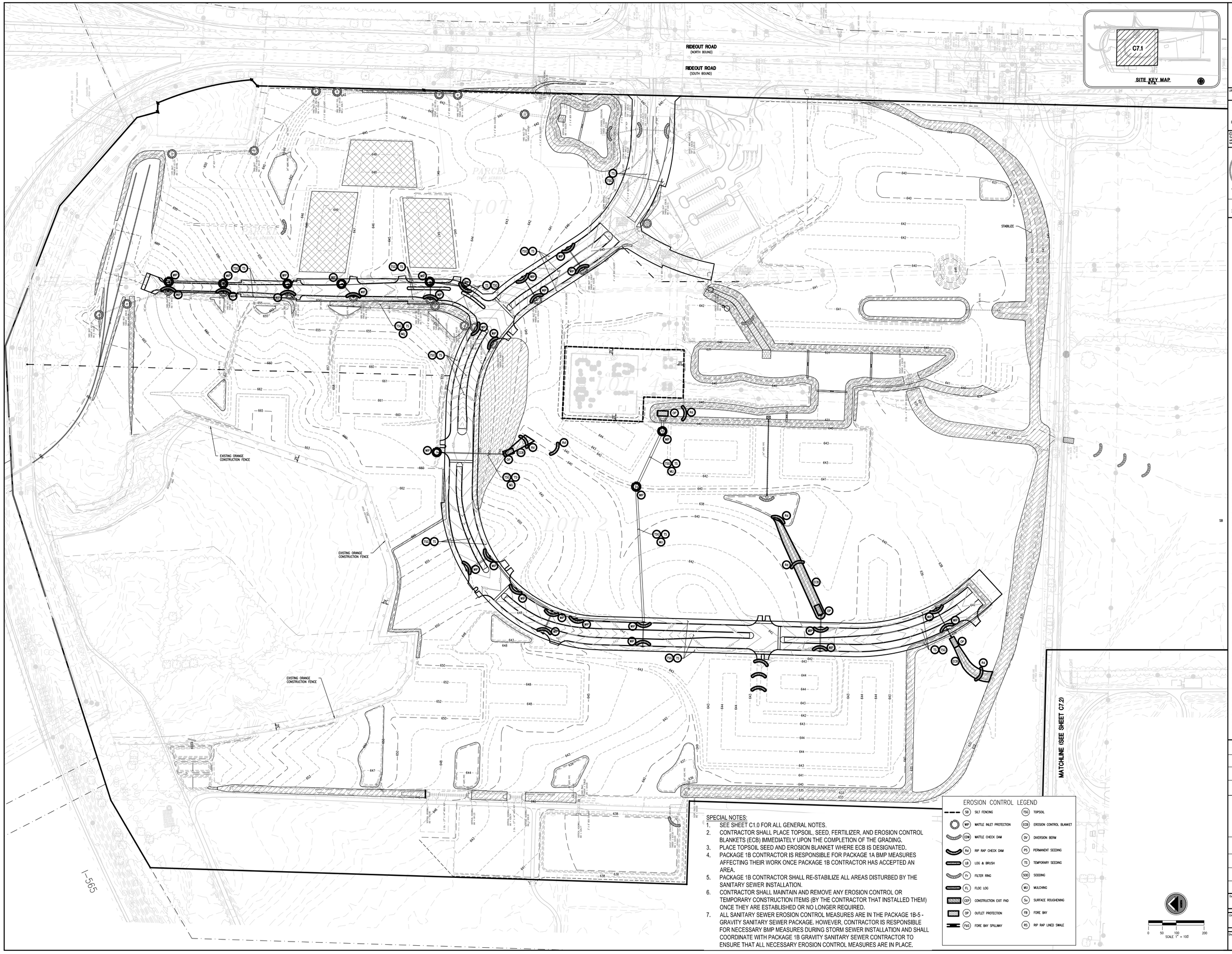
Checked By RAN

Drawn By BSJ

Sheet Number C7.0

Sequence 17

Total 42



SPECIAL NOTES:

1. SEE SHEET C1.0 FOR ALL GENERAL NOTES.
2. CONTRACTOR SHALL PLACE TOPSOIL, SEED, FERTILIZER, AND EROSION CONTROL BLANKETS (ECB) IMMEDIATELY UPON THE COMPLETION OF THE GRADING.
3. PLACE TOPSOIL SEED AND EROSION BLANKET WHERE ECB IS DESIGNATED.
4. PACKAGE 1B CONTRACTOR IS RESPONSIBLE FOR PACKAGE 1A BMP MEASURES AFFECTING THEIR WORK ONCE PACKAGE 1B CONTRACTOR HAS ACCEPTED AN AREA.
5. PACKAGE 1B CONTRACTOR SHALL RE-STABILIZE ALL AREAS DISTURBED BY THE SANITARY SEWER INSTALLATION.
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. ALL SANITARY SEWER EROSION CONTROL MEASURES ARE IN THE PACKAGE 1B-5 - GRAVITY SANITARY SEWER PACKAGE. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR NECESSARY BMP MEASURES DURING STORM SEWER INSTALLATION AND SHALL COORDINATE WITH PACKAGE 1B GRAVITY SANITARY SEWER CONTRACTOR TO ENSURE THAT ALL NECESSARY EROSION CONTROL MEASURES ARE IN PLACE.

EROSION CONTROL LEGEND

SB	SILT FENCING	TSG	TOPSOIL
WP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
Rd	RIP RAP CHECK DAM	PS	PERMANENT SEEDING
LB	LOG & BRUSH	TS	TEMPORARY SEEDING
Fr	FILTER RING	SOD	SODDING
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

0 50 100 200
SCALE 1" = 100

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03/14/2011

HUNTSVILLE
The Star of Alabama

EROSION CONTROL PLAN - PACKAGE 1B MODIFICATIONS

REDSTONE GATEWAY - PACKAGE 1B - ROADWAY AND UTILITIES

CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

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						COV REVIEW		

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03/14/2011

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RAN

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18

Total
42