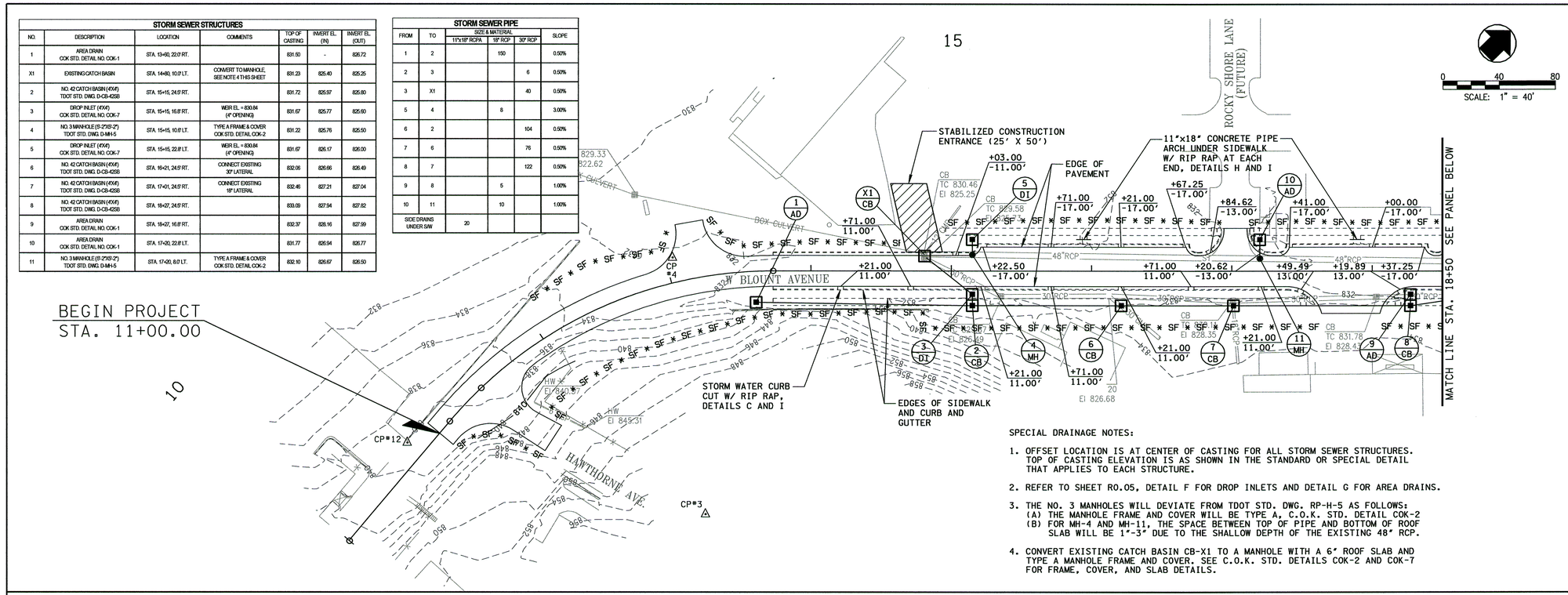
STORM SEWER STRUCTURES						
NO.	DESCRIPTION	LOCATION	COMMENTS	TOP OF CASTING	INVERT EL. (IN)	INVERT EL. (OUT)
1	AREA DRAIN COK STD. DETAIL NO. COK-1	STA. 13+60, 22.0' RT.		831.50	-	826.72
X1	EXISTING CATCH BASIN	STA. 14+80, 10.0' LT.	CONVERT TO MANHOLE, SEE NOTE 4 THIS SHEET	831.23	825.40	825.25
2	NO. 42 CATCH BASIN (4'X4') TDOT STD. DWG. D-CB-425B	STA. 15+15, 24.5' RT.		831.72	825.97	825.80
3	DROP INLET (4'X4') COK STD. DETAIL NO. COK-7	STA. 15+15, 16.8' RT.	WEIR EL. = 830.84 (4" OPENING)	831.67	825.77	825.60
4	NO. 3 MANHOLE (5'-2"X5'-2") TDOT STD. DWG. D-MH-5	STA. 15+15, 10.0' LT.	TYPE A FRAME & COVER COK STD. DETAIL COK-2	831.22	825.76	825.50
5	DROP INLET (4'X4') COK STD. DETAIL NO. COK-7	STA. 15+15, 22.8' LT.	WEIR EL. = 830.84 (4" OPENING)	831.67	826.17	826.00
6	NO. 42 CATCH BASIN (4'X4') TDOT STD. DWG. D-CB-425B	STA. 16+21, 24.5' RT.	CONNECT EXISTING 30" LATERAL	832.06	826.66	826.49
7	NO. 42 CATCH BASIN (4'X4') TDOT STD. DWG. D-CB-425B	STA. 17+01, 24.5' RT.	CONNECT EXISTING 18" LATERAL	832.46	827.21	827.04
8	NO. 42 CATCH BASIN (4'X4') TDOT STD. DWG. D-CB-425B	STA. 18+27, 24.5' RT.		833.09	827.94	827.82
9	AREA DRAIN COK STD. DETAIL NO. COK-1	STA. 18+27, 16.8' RT.		832.37	828.16	827.99
10	AREA DRAIN COK STD. DETAIL NO. COK-1	STA. 17+20, 22.8' LT.		831.77	826.94	826.77
11	NO. 3 MANHOLE (5'-2"X5'-2") TDOT STD. DWG. D-MH-5	STA. 17+20, 8.0' LT.	TYPE A FRAME & COVER COK STD. DETAIL COK-2	832.10	826.67	826.50

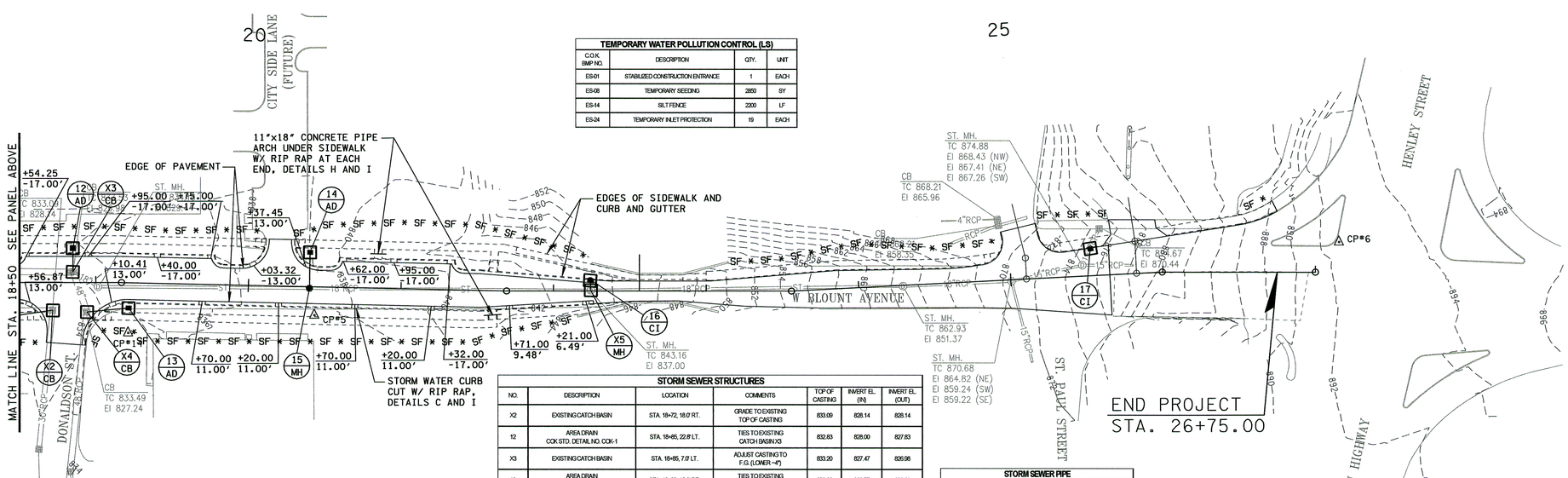
STORM SEWER PIPE					
FROM	TO	SIZE & MATERIAL			SLOPE
		11"x18" RCPA	18" RCP	30" RCP	
1	2		150		0.50%
2	3			6	0.50%
3	X1			40	0.50%
5	4		8		3.00%
6	2			104	0.50%
7	6			76	0.50%
8	7			122	0.50%
9	8		5		1.00%
10	11		10		1.00%
SIDE DRAINS UNDER SAW		20			



SPECIAL DRAINAGE NOTES:

1. OFFSET LOCATION IS AT CENTER OF CASTING FOR ALL STORM SEWER STRUCTURES. TOP OF CASTING ELEVATION IS AS SHOWN IN THE STANDARD OR SPECIAL DETAIL THAT APPLIES TO EACH STRUCTURE.
2. REFER TO SHEET R0.05, DETAIL F FOR DROP INLETS AND DETAIL G FOR AREA DRAINS.
3. THE NO. 3 MANHOLES WILL DEVIATE FROM TDOT STD. DWG. RP-H-5 AS FOLLOWS:
   (A) THE MANHOLE FRAME AND COVER WILL BE TYPE A, C.O.K. STD. DETAIL COK-2
   (B) FOR MH-4 AND MH-11, THE SPACE BETWEEN TOP OF PIPE AND BOTTOM OF ROOF SLAB WILL BE 1"-3" DUE TO THE SHALLOW DEPTH OF THE EXISTING 48" RCP.
4. CONVERT EXISTING CATCH BASIN CB-X1 TO A MANHOLE WITH A 6" ROOF SLAB AND TYPE A MANHOLE FRAME AND COVER. SEE C.O.K. STD. DETAILS COK-2 AND COK-7 FOR FRAME, COVER, AND SLAB DETAILS.

TEMPORARY WATER POLLUTION CONTROL (LS)			
C.O.K. BMP NO.	DESCRIPTION	QTY.	UNIT
ES-01	STABILIZED CONSTRUCTION ENTRANCE	1	EACH
ES-08	TEMPORARY SEEDING	2850	SY
ES-14	SILT FENCE	2200	LF
ES-24	TEMPORARY INLET PROTECTION	19	EACH



STORM SEWER STRUCTURES						
NO.	DESCRIPTION	LOCATION	COMMENTS	TOP OF CASTING	INVERT EL. (IN)	INVERT EL. (OUT)
X2	EXISTING CATCH BASIN	STA. 18+72, 18.0' RT.	GRADE TO EXISTING TOP OF CASTING	833.09	828.14	828.14
12	AREA DRAIN COK STD. DETAIL NO. COK-1	STA. 18+65, 22.8' LT.	TIES TO EXISTING CATCH BASIN X3	832.83	828.00	827.83
X3	EXISTING CATCH BASIN	STA. 18+65, 7.0' LT.	ADJUST CASTING TO F.G. (LOWER ~4")	833.20	827.47	826.98
13	AREA DRAIN COK STD. DETAIL NO. COK-1	STA. 19+22, 16.8' RT.	TIES TO EXISTING CATCH BASIN X4	833.60	828.77	828.60
X4	EXISTING CATCH BASIN	STA. 18+94, 19.0' RT.	ADJUST CASTING TO F.G. (LOWER ~4")	833.15	827.88	827.24
14	AREA DRAIN COK STD. DETAIL NO. COK-1	STA. 20+40, 22.8' LT.		836.79	832.77	832.60
15	NO. 3 MANHOLE (5'-2"X5'-2") TDOT STD. DWG. D-MH-5	STA. 20+40, 2.0' RT.	TYPE A FRAME & COVER COK STD. DETAIL COK-2	837.20	832.50	832.50
16	CURB INLET COK STD. DETAIL NO. COK-8	STA. 22+24, 7.6' LT.	TIES TO EXISTING MANHOLE X5	843.25	-	837.40
X5	EXISTING MANHOLE	STA. 22+24, 0.5' LT.	ADJUST CASTING TO F.G. (RAISE ~5")	843.41	837.20	837.00
17	CURB INLET COK STD. DETAIL NO. COK-8	STA. 25+53, 20.5' LT.	IN LINE WITH EXISTING 15" RCP	875.30	-	868.75

STORM SEWER PIPE					
FROM	TO	SIZE & MATERIAL			SLOPE
		11"x18" RCPA	18" RCP	30" RCP	
X2	8			40	0.50%
12	X3		12		3.00%
13	X4		24		3.00%
14	15		20		0.50%
16	X5		4		5.00%
SIDE DRAINS UNDER SAW		20			

EXISTING LEGEND

ST	STORM SEWER LINE
836	ELEVATION CONTOUR
	CATCH BASIN
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONC. PIPE

PROPOSED LEGEND

	STORM SEWER PIPE
	CATCH BASIN WITH INLET PROTECTION
	MANHOLE
	ROADWAY CENTERLINE
SF * SF * SF	SILT FENCE

REVISIONS	DATE

Cannon&Cannon, Inc.
Consulting Engineers • Field Surveyors
8550 Kingston Pike
Knoxville, Tennessee 37919
Telephone: (865) 670-8555 • Fax: (865) 670-8866
www.cannon-cannon.com

CLIENT:
CITY OF KNOXVILLE
SOUTH WATERFRONT
DEVELOPMENT DEPARTMENT

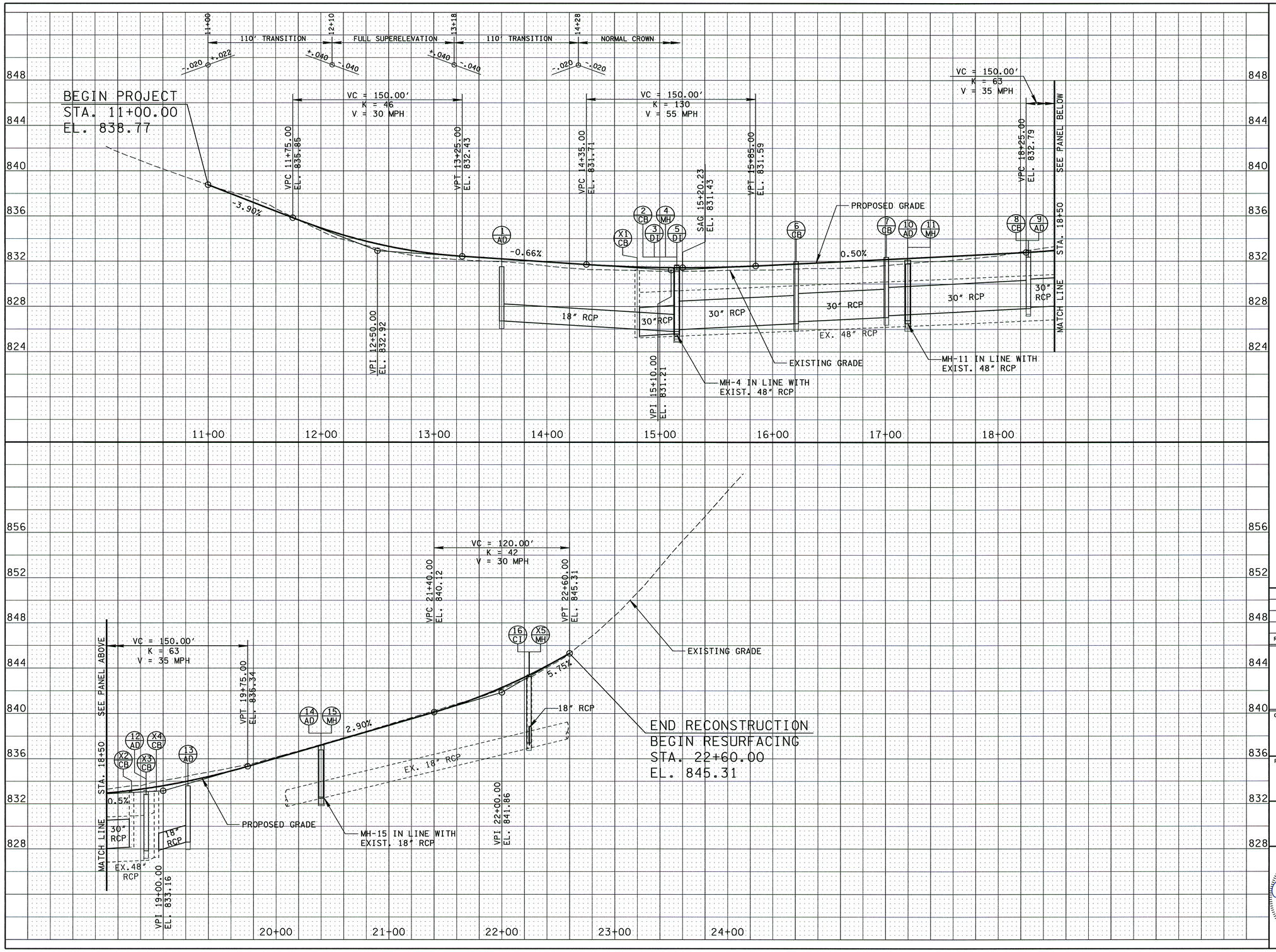
PROJECT:
BLOUNT AVENUE
RECONSTRUCTION PROJECT

DRAINAGE AND EROSION CONTROL PLAN

JASON C. FULLWOOD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 90112209
STATE OF TENNESSEE
6-26-09

CCI PROJECT NO.	244-0005
DATE	06-26-09
P.I.C.	WHC
DRAWN	TRANSPORTATION
Q.C.	JCE

R3.01



0 40 80

SCALE: 1" = 40' (H)
1" = 4' (V)

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DEVELOPMENT DEPARTMENT

PROJECT:

BLOUNT AVENUE
RECONSTRUCTION PROJECT

PROFILES – BLOUNT AVENUE

JASON C. ELLIOTT
REGISTERED ENGINEER
AGRICULTURE COMMERCE
No. 00112918
STATE OF TENNESSEE
6-26-09

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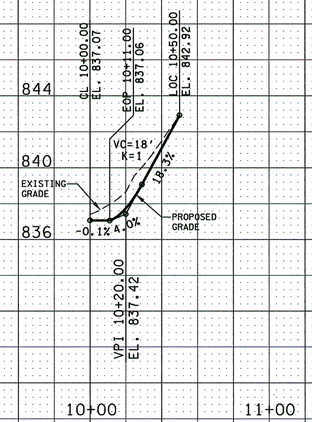
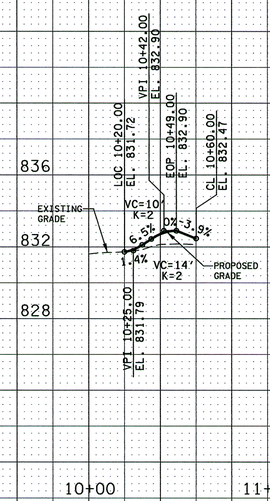
Q.C.	JCE

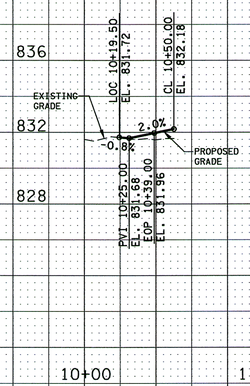
R4.01



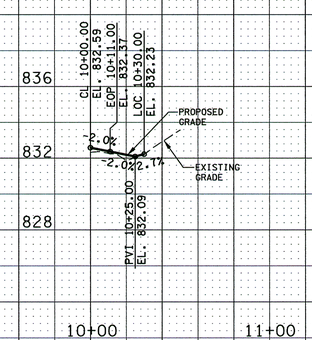
HAWTHORNE AVENUE
STA. 11+43.72



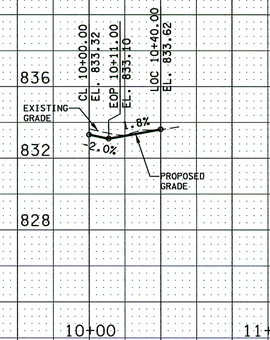
DRIVEWAY NO. 1
STA. 13+19.75



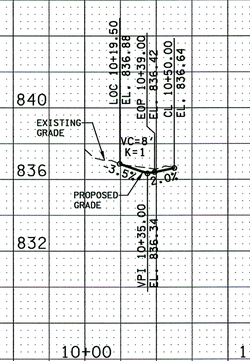
ROCKY SHORE LANE
STA. 17+02.62



DRIVEWAY NO. 2
STA. 17+84.69



DONALDSON STREET
STA. 18+81.21



CITY SIDE LANE
STA. 20+19.70

0 40 80
SCALE: 1" = 40' (H)
1" = 4' (V)

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