PROJECT REFERENCE NO.	SHEET NO.
80080	EC-4
R/W SHEET NO.	— —
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

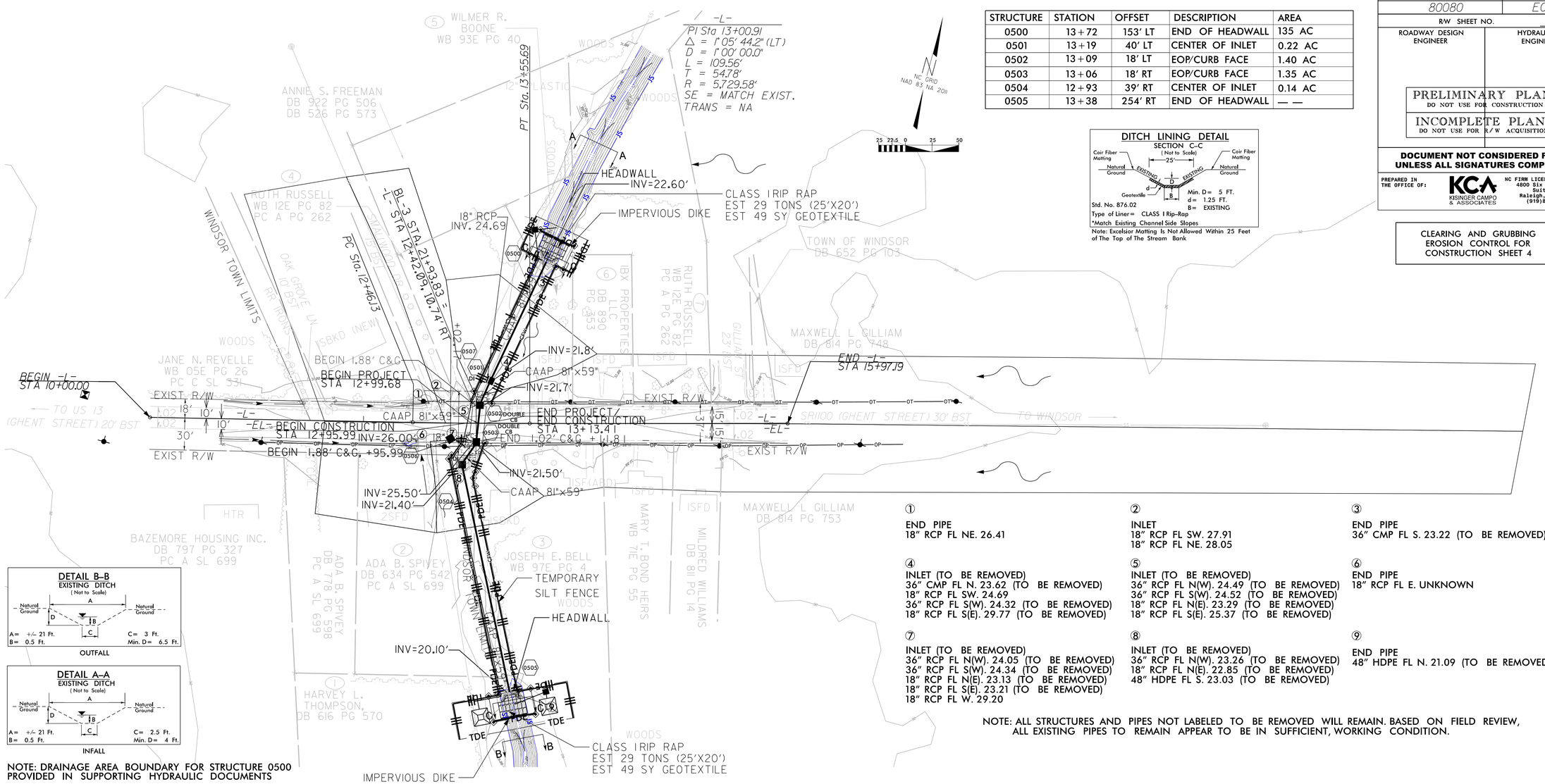
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PREPARED IN THE OFFICE OF:
KCA KISINGER CAMPO & ASSOCIATES
NC FIRM LICENSE No: C-1506
4800 Six Forks Rd., Suite 120
Raleigh, NC 27609
(919)882-7839

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

STRUCTURE	STATION	OFFSET	DESCRIPTION	AREA
0500	13+72	153' LT	END OF HEADWALL	135 AC
0501	13+19	40' LT	CENTER OF INLET	0.22 AC
0502	13+09	18' LT	EOP/CURB FACE	1.40 AC
0503	13+06	18' RT	EOP/CURB FACE	1.35 AC
0504	12+93	39' RT	CENTER OF INLET	0.14 AC
0505	13+38	254' RT	END OF HEADWALL	— —



NOTE: DRAINAGE AREA BOUNDARY FOR STRUCTURE 0500 PROVIDED IN SUPPORTING HYDRAULIC DOCUMENTS

① END PIPE
18" RCP FL NE. 26.41

② INLET
18" RCP FL SW. 27.91
18" RCP FL NE. 28.05

③ END PIPE
36" CMP FL S. 23.22 (TO BE REMOVED)

④ INLET (TO BE REMOVED)
36" CMP FL N. 23.62 (TO BE REMOVED)
18" RCP FL SW. 24.69
36" RCP FL S(W). 24.32 (TO BE REMOVED)
18" RCP FL S(E). 29.77 (TO BE REMOVED)

⑤ INLET (TO BE REMOVED)
36" RCP FL N(W). 24.49 (TO BE REMOVED)
36" RCP FL S(W). 24.52 (TO BE REMOVED)
18" RCP FL N(E). 23.29 (TO BE REMOVED)
18" RCP FL S(E). 25.37 (TO BE REMOVED)

⑥ END PIPE
18" RCP FL E. UNKNOWN

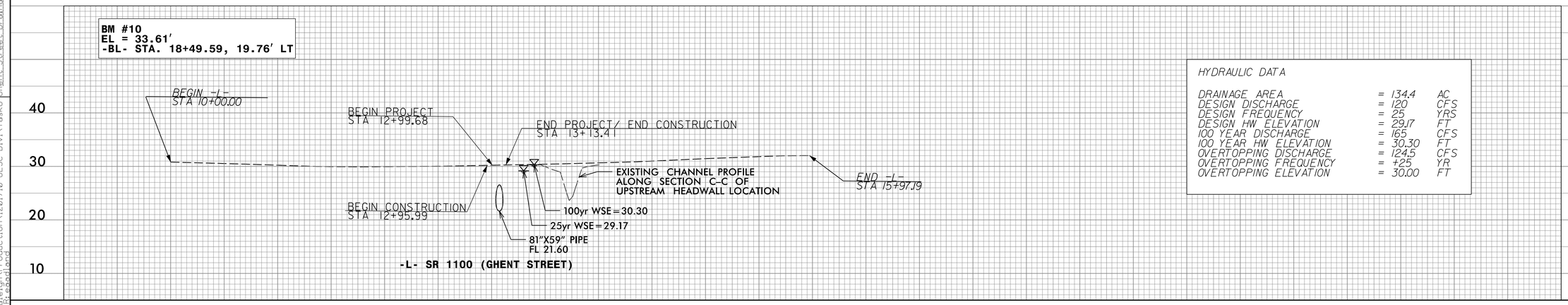
⑦ INLET (TO BE REMOVED)
36" RCP FL N(W). 24.05 (TO BE REMOVED)
36" RCP FL S(W). 24.34 (TO BE REMOVED)
18" RCP FL N(E). 23.13 (TO BE REMOVED)
18" RCP FL S(E). 23.21 (TO BE REMOVED)
18" RCP FL W. 29.20

⑧ INLET (TO BE REMOVED)
36" RCP FL N(W). 23.26 (TO BE REMOVED)
18" RCP FL N(E). 22.85 (TO BE REMOVED)
48" HDPE FL S. 23.03 (TO BE REMOVED)

⑨ END PIPE
48" HDPE FL N. 21.09 (TO BE REMOVED)

NOTE: ALL STRUCTURES AND PIPES NOT LABELED TO BE REMOVED WILL REMAIN. BASED ON FIELD REVIEW, ALL EXISTING PIPES TO REMAIN APPEAR TO BE IN SUFFICIENT, WORKING CONDITION.

BM #10
EL = 33.61'
-BL- STA. 18+49.59, 19.76' LT



HYDRAULIC DATA

DRAINAGE AREA	= 134.4	AC
DESIGN DISCHARGE	= 120	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 29.17	FT
100 YEAR DISCHARGE	= 165	CFS
100 YEAR HW ELEVATION	= 30.30	FT
OVERTOPPING DISCHARGE	= 124.5	CFS
OVERTOPPING FREQUENCY	= +25	YR
OVERTOPPING ELEVATION	= 30.00	FT

REVISIONS

9/12/2018
Z:\Raleigh\Production\120170-CESC-Div1\Task8-Ghent Street Drainage\Hydraulics\CAD\Erosion Control CAD\80080_Rdy_psh_Plan Sheet_EC_C&G.dgn
USER: eagland