CONSTRUCTION DETAILS

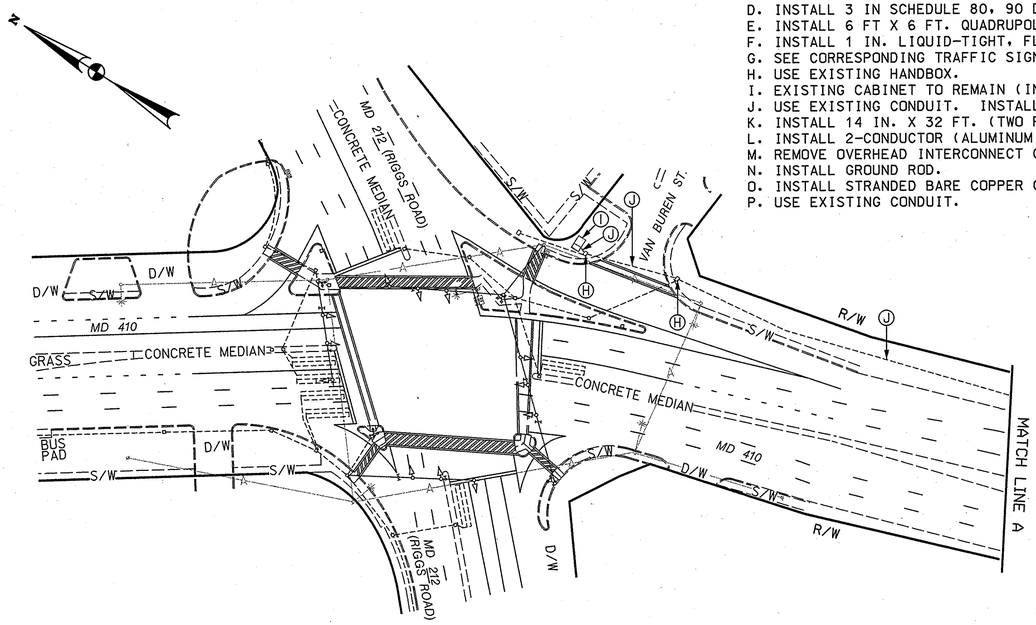
A. INSTALL 3/8 IN. STEEL SPAN WIRE. INSTALL INTERCONNECT CABLE.
B. INSTALL HANDBOX.
C. INSTALL 3 IN SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT - TRENCHED. INSTALL INTERCONNECT CABLE.
D. INSTALL 3 IN SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT - BORED. INSTALL INTERCONNECT CABLE.
E. INSTALL 6 FT X 6 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
G. SEE CORRESPONDING TRAFFIC SIGNAL PLAN. INSTALL INTERCONNECT CABLE.
H. USE EXISTING HANDBOX.
I. EXISTING CABINET TO REMAIN (INSTALL QUICK CONNECT BLOCK). PULL INTERCONNECT CABLE INTO EXISTING CABINET.
J. USE EXISTING CONDUIT. INSTALL INTERCONNECT CABLE.
K. INSTALL 14 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
L. INSTALL 2-CONDUCTOR (ALUMINUM SHIELDED) ELECTRICAL CABLE (NO. 14 AWG).
M. REMOVE OVERHEAD INTERCONNECT CABLE.
N. INSTALL GROUND ROD.
O. INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG).
P. USE EXISTING CONDUIT.

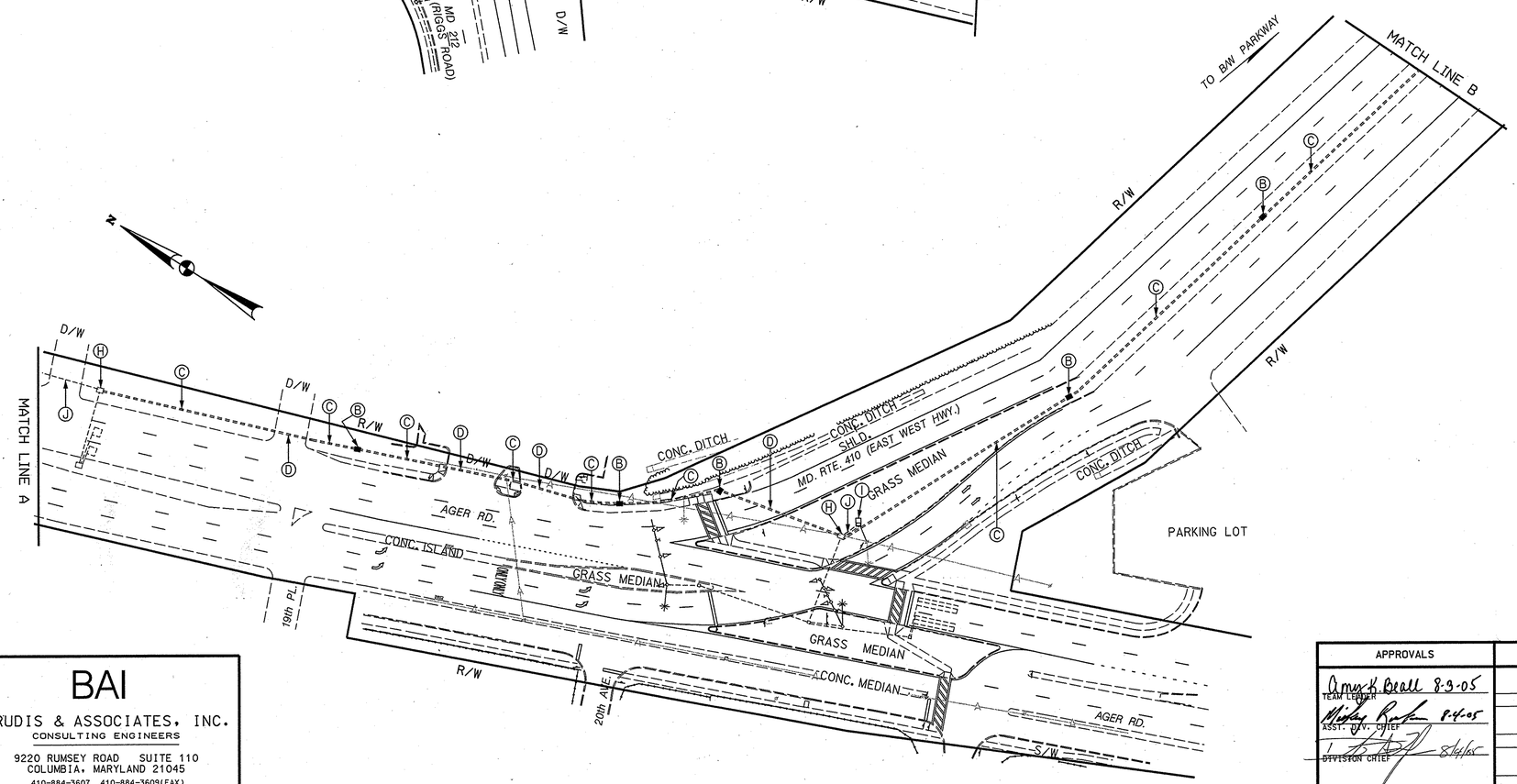
A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

NO.	DESCRIPTION	UNIT	QUANTITY
9000	Furnish and install quick connect block	EA	10
9001	Furnish 3/4" x 32' Strain Pole (2 1/4" x 96" anchors included)	EA	4

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

NO.	DESCRIPTION	UNIT	QUANTITY
1002	Maintenance of traffic	EA	4
2002	Test pit excavation	CY	2
8001	Furnish and install concrete foundation	CY	19
8006	Furnish and install 3/4" to 3" blind coupling welded and galvanized	EA	4
8027	Remove and dispose material and equipment per assignment	LS	1
8035	Disconnect, Pull-Back, and Re-Route	LF	450
8046	Furnish and install weather head, 3"	EA	4
8048	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - bored	LF	1100
8051	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - trenched	LF	10000
8056	Furnish and install 1" liquid tight flexible non-metallic conduit for detector wire sleeve	LF	300
8065	Furnish and install electrical handhole	EA	59
8081	Furnish and install 12-pair communication cable, jelly filled (underground)	LF	17500
8087	Furnish and install ground rod - 3/4" diameter x 10' length	EA	4
8094	Furnish and install electrical cable - 2 conductor (aluminum shielded)	LF	5250
8100	Furnish and install loop wire encased in flexible tubing (no. 14 AWG)	LF	2900
8101	Furnish and install saw cut for signal (loop detector)	LF	1100
8104	Install strain pole, any size.	EA	4
8106	Furnish and install steel span wire - 3/8" diameter	LF	565





GEOMETRIC LEGEND	
==========	EXISTING
==========	PROPOSED

UTILITY LEGEND	
—SD—SD—	STORM DRAIN
—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES
—F—F—	FIBER-OPTIC

TOD No: AT720-01
SHA: PG641A51/B51

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 410 (EAST-WEST HIGHWAY)
FROM TAYLOR ROAD TO MD 212

BAI
BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3607 410-884-3609(FAX)

BY: $USERNAME$

APPROVALS	
TEAM LEADER	Amy K. Beall 8-9-05
ASST. DIV. CHIEF	Whitney Rafferty 8-9-05
DIVISION CHIEF	8/9/05
OFFICE DIRECTOR	

REVISIONS

PLOTTED: $DATETIME$
FILE: $FILE$

SCALE 1" = 50' DATE 6/05 CONTRACT NO. AT720S185

DESIGNED BY WMB
DRAWN BY WMB
CHECKED BY CJP
F.A.P. NO. AC-STPG-000A(61)E

COUNTY PRINCE GEORGE'S
LOGMILE 03.730 TO 0.840
T.I.M.S. NO.
TOD NO.

DRAWING NO. 1065 IC-1 OF 6 SHEET NO. OF