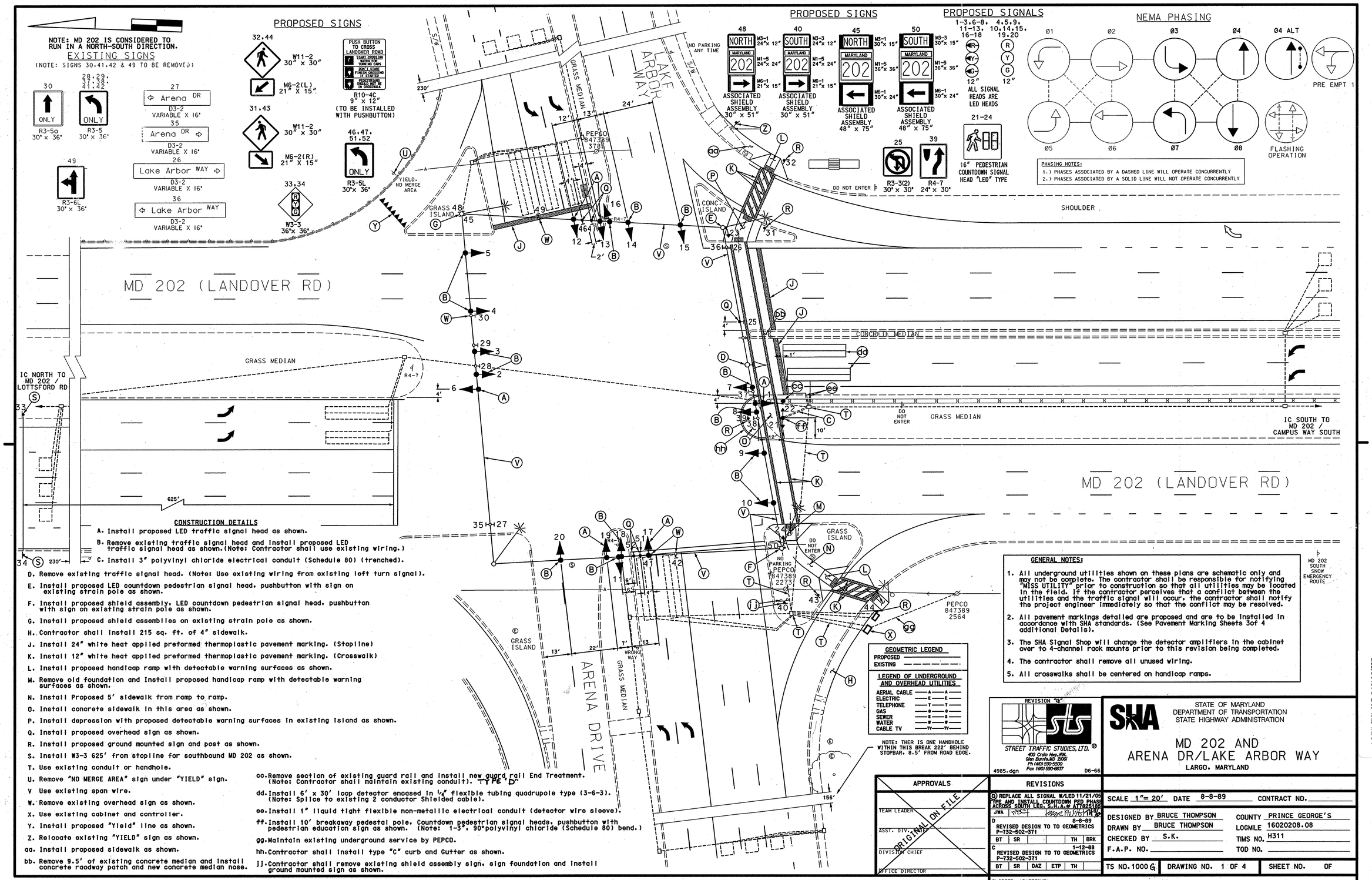
NOTE: MD 202 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.
EXISTING SIGNS
(NOTE: SIGNS 30,41,42 & 49 TO BE REMOVED)
30 ONLY R3-5a 30" x 36"
28,29, 37,38, 41,42 ONLY R3-5 30" x 36"
49 R3-6L 30" x 36"
PROPOSED SIGNS
32,44 W11-2 30" x 30" M6-2(L) 21" X 15"
31,43 W11-2 30" x 30" M6-2(R) 21" X 15"
33,34 R Y G W3-3 36"x 36"
PUSH BUTTON TO CROSS LANDOVER ROAD
WAIT CROSSING WATCH FOR TURNING VEHICLES
WALK & START PARTIAL CROSSING IF STARTED
PEDESTRIANS SHOULD NOT BE IN CROSSWALK
R10-4C 9" x 12" (TO BE INSTALLED WITH PUSHBUTTON)
46,47, 51,52 ONLY R3-5L 30"x 36"
27 Arena DR D3-2 VARIABLE X 16"
35 Arena DR D3-2 VARIABLE X 16"
26 Lake Arbor WAY D3-2 VARIABLE X 16"
36 Lake Arbor WAY D3-2 VARIABLE X 16"
YIELD. NO MERGE AREA
PROPOSED SIGNS
48 NORTH MARYLAND 202 M3-1 24"x 12" M1-5 24"x 24" M6-1 21"x 15" ASSOCIATED SHIELD ASSEMBLY 30" x 51"
40 SOUTH MARYLAND 202 M3-3 24"x 12" M1-5 24"x 24" M6-1 21"x 15" ASSOCIATED SHIELD ASSEMBLY 30" x 51"
45 NORTH MARYLAND 202 M3-1 30"x 15" M1-5 36"x 36" M6-1 30"x 24" ASSOCIATED SHIELD ASSEMBLY 48" x 75"
50 SOUTH MARYLAND 202 M3-3 30"x 15" M1-5 36"x 36" M6-1 30"x 24" ASSOCIATED SHIELD ASSEMBLY 48" x 75"
25 R3-3(2) 30" x 30"
39 R4-7 24" x 30"
PROPOSED SIGNALS
1-3,6-8, 11-13, 16-18
4,5,9, 10,14,15, 19,20
R Y G 12"
ALL SIGNAL HEADS ARE LED HEADS
21-24 16" PEDESTRIAN COUNTDOWN SIGNAL HEAD "LED" TYPE
NEMA PHASING
Ø1 Ø2 Ø3 Ø4 Ø4 ALT
Ø5 Ø6 Ø7 Ø8
PRE EMPT 1
FLASHING OPERATION
PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
MD 202 (LANDOVER RD)
GRASS MEDIAN
GRASS ISLAND
CONC. ISLAND
NO PARKING ANY TIME
LAKE ARBOR WAY
PEPCO 847389 3786
PEPCO 847389 2273
PEPCO 847389 2564
DO NOT ENTER
SHOULDER
CONCRETE MEDIAN
IC NORTH TO MD 202 / LOTTSFORD RD
IC SOUTH TO MD 202 / CAMPUS WAY SOUTH
625'
ARENA DRIVE
WRONG WAY
MD 202 SOUTH SNOW EMERGENCY ROUTE
CONSTRUCTION DETAILS
A. Install proposed LED traffic signal head as shown.
B. Remove existing traffic signal head and install proposed LED traffic signal head as shown.(Note: Contractor shall use existing wiring.)
C. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
D. Remove existing traffic signal head. (Note: Use existing wiring from existing left turn signal).
E. Install proposed LED countdown pedestrian signal head, pushbutton with sign on existing strain pole as shown.
F. Install proposed shield assembly, LED countdown pedestrian signal head, pushbutton with sign on existing strain pole as shown.
G. Install proposed shield assemblies on existing strain pole as shown.
H. Contractor shall install 215 sq. ft. of 4" sidewalk.
J. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)
K. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)
L. Install proposed handicap ramp with detectable warning surfaces as shown.
M. Remove old foundation and install proposed handicap ramp with detectable warning surfaces as shown.
N. Install Proposed 5' sidewalk from ramp to ramp.
O. Install concrete sidewalk in this area as shown.
P. Install depression with proposed detectable warning surfaces in existing island as shown.
Q. Install proposed overhead sign as shown.
R. Install proposed ground mounted sign and post as shown.
S. Install W3-3 625' from stopline for southbound MD 202 as shown.
T. Use existing conduit or handhole.
U. Remove "NO MERGE AREA" sign under "YIELD" sign.
V Use existing span wire.
W. Remove existing overhead sign as shown.
X. Use existing cabinet and controller.
Y. Install proposed "Yield" line as shown.
Z. Relocate existing "YIELD" sign as shown.
aa. Install proposed sidewalk as shown.
bb. Remove 9.5' of existing concrete median and install concrete roadway patch and new concrete median nose.
cc. Remove section of existing guard rail and install new guard rail End Treatment. (Note: Contractor shall maintain existing conduit). TYPE "D"
dd. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3). (Note: Splice to existing 2 conductor Shielded cable).
ee. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
ff. Install 10' breakaway pedestal pole, Countdown pedestrian signal heads, pushbutton with pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)
gg. Maintain existing underground service by PEPCO.
hh. Contractor shall install type "C" curb and Gutter as shown.
jj. Contractor shall remove existing shield assembly sign, sign foundation and install ground mounted sign as shown.
GEOMETRIC LEGEND
PROPOSED
EXISTING
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV
NOTE: THER IS ONE HANDHOLE WITHIN THIS BREAK 222' BEHIND STOPBAR. 8.5' FROM ROAD EDGE.
GENERAL NOTES:
1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. (See Pavement Marking Sheets 3of 4 additional Details).
3. The SHA Signal Shop will change the detector amplifiers in the cabinet over to 4-channel rack mounts prior to this revision being completed.
4. The contractor shall remove all unused wiring.
5. All crosswalks shall be centered on handicap ramps.
REVISION "G"
STREET TRAFFIC STUDIES, LTD.
403 Crain Hwy. NW
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-5637
4985.dgn D6-66
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
MD 202 AND
ARENA DR/LAKE ARBOR WAY
LARGO, MARYLAND
APPROVALS
ORIGINAL ON FILE
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
REVISIONS
G REPLACE ALL SIGNAL W/LED 11/21/05 TYPE AND INSTALL COUNTDOWN PED PHASE ACROSS SOUTH LEG. S.H.A.# AT7825105
JWA
D 8-8-89 REVISED DESIGN TO TO GEOMETRICS P-732-502-371
BT SR TH BRK
C 1-12-88 REVISED DESIGN TO TO GEOMETRICS P-732-502-371
BT SR DAZ ETP TH
PLOTTED: @DATETIME@
FILE: @FILE@
SCALE 1"= 20' DATE 8-8-89 CONTRACT NO.
DESIGNED BY BRUCE THOMPSON
DRAWN BY BRUCE THOMPSON
CHECKED BY S.K.
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16020208.08
TIMS NO. H311
TOD NO.
TS NO. 1000 G
DRAWING NO. 1 OF 4
SHEET NO. OF
TOD No: AT782-15
SHA No: PG694A54/B54