DRILL HOLES

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BORDER REV. DATE: June 1, 2004

BY: $USERNAME$

MD 704 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

17a — Hill Road ⇨ — D3-2 Sign 16"x Var.
20a — Southland Dr ⇨ — D3-2 Sign 16"x Var.
17b — ⇦ Hill Road — D3-2 Sign 16"x Var.
20b — ⇦ Southland Dr — D3-2 Sign 16"x Var.
DUAL FACED

18,19 — ONLY — R 3-5(L) 30"x 36"
21 — ONLY — R 3-5(R) 30"x 36"
REMOVE

EXISTING SIGNALS

1,2,5,6 — R Y G — 12"
3,4,7-14 — R Y G — 12"

PROPOSED SIGNS

22.24 — R10-4(I) (9"X12") — PUSHBUTTON ASSEMBLY
23 — STOP HERE ON RED — R10-6a (24X30")
26 — R4-7

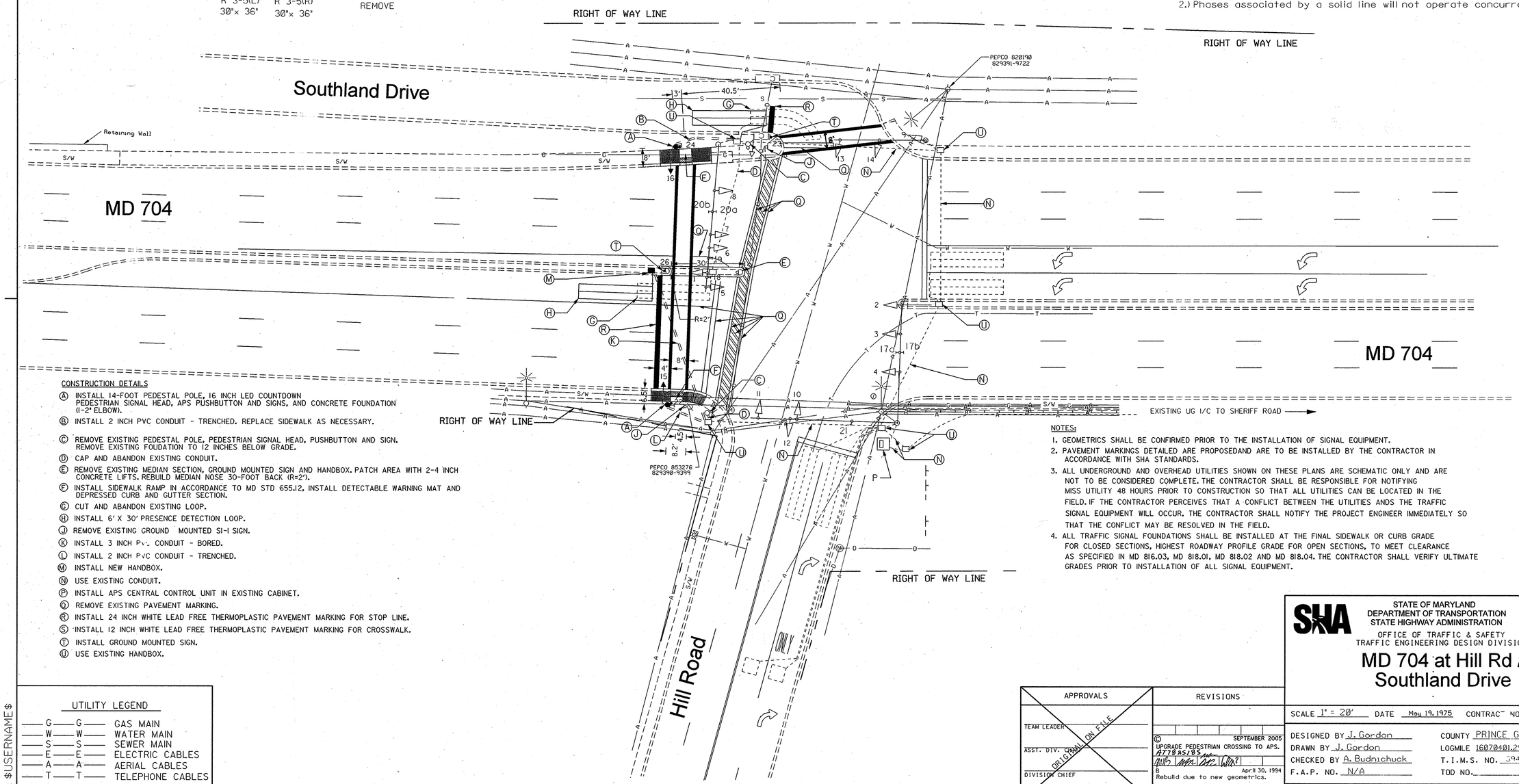
PROPOSED SIGNALS

15,16 — 16" LED

NEMA PHASING

Ø1 Ø2 Ø4 Ø4 Alt.
Ø5 Ø6 Ø8
Flashing Operation

1.) Phases associated by a dashed line will operate concurrently.
2.) Phases associated by a solid line will not operate concurrently.



CONSTRUCTION DETAILS

Ⓐ INSTALL 14-FOOT PEDESTAL POLE, 16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGNS, AND CONCRETE FOUNDATION (1-2' ELBOW).
Ⓑ INSTALL 2 INCH PVC CONDUIT - TRENCHED. REPLACE SIDEWALK AS NECESSARY.
Ⓒ REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. REMOVE EXISTING FOUDATION TO 12 INCHES BELOW GRADE.
Ⓓ CAP AND ABANDON EXISTING CONDUIT.
Ⓔ REMOVE EXISTING MEDIAN SECTION, GROUND MOUNTED SIGN AND HANDBOX. PATCH AREA WITH 2-4 INCH CONCRETE LIFTS. REBUILD MEDIAN NOSE 30-FOOT BACK (R=2').
Ⓕ INSTALL SIDEWALK RAMP IN ACCORDANCE TO MD STD 655.12, INSTALL DETECTABLE WARNING MAT AND DEPRESSED CURB AND GUTTER SECTION.
Ⓖ CUT AND ABANDON EXISTING LOOP.
Ⓗ INSTALL 6' X 30' PRESENCE DETECTION LOOP.
Ⓙ REMOVE EXISTING GROUND MOUNTED SI-1 SIGN.
Ⓚ INSTALL 3 INCH PVC CONDUIT - BORED.
Ⓛ INSTALL 2 INCH PVC CONDUIT - TRENCHED.
Ⓜ INSTALL NEW HANDBOX.
Ⓝ USE EXISTING CONDUIT.
Ⓟ INSTALL APS CENTRAL CONTROL UNIT IN EXISTING CABINET.
Ⓠ REMOVE EXISTING PAVEMENT MARKING.
Ⓡ INSTALL 24 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
Ⓢ INSTALL 12 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
Ⓣ INSTALL GROUND MOUNTED SIGN.
Ⓤ USE EXISTING HANDBOX.

NOTES:

1. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. PAVEMENT MARKINGS DETAILED ARE PROPOSEDAND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY 48 HOURS PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES CAN BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES ANDS THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED IN THE FIELD.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO INSTALLATION OF ALL SIGNAL EQUIPMENT.

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

C	SEPTEMBER 2005	UPGRADE PEDESTRIAN CROSSING TO APS. A778A5/85
B	April 30, 1994	Rebuild due to new geometrics.

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

MD 704 at Hill Rd / Southland Drive

SCALE 1" = 20' DATE May 19, 1975 CONTRACT NO. P 454X-000-385

DESIGNED BY J. Gordon
DRAWN BY J. Gordon
CHECKED BY A. Budnichuck
F.A.P. NO. N/A

COUNTY PRINCE GEORGE'S
LOGMILE 16070401.29
T.I.M.S. NO. 3942
TOD NO.

DRAWING NO. 908 C OF SHEET NO. OF

TOD No: AT782-04
SHA: PG694A52/B52