

PROPOSED TRAFFIC SIGNS



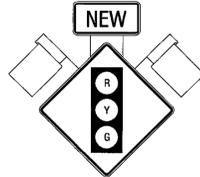
21,22
D3-2
DUAL FACED



19,20
R10-12
36" x 42"



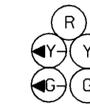
23,24
R10-4(1)
9" x 12"



25,26,27,28
W3-3
48" x 48"

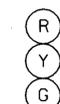
PROPOSED SIGNALS

1,2,4,5



12"

3,6,7,8,
9,10,11,12



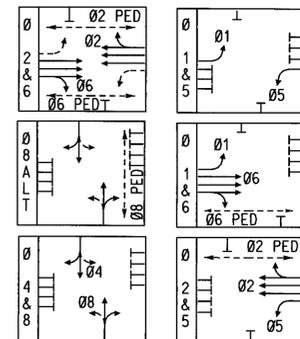
12"

13,14,15,
16,17,18

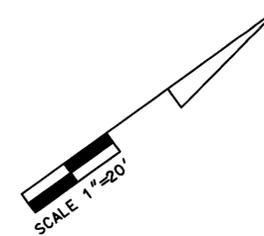


12"

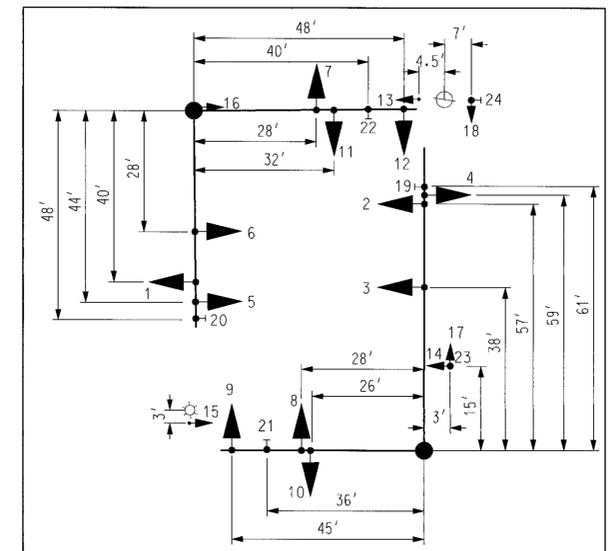
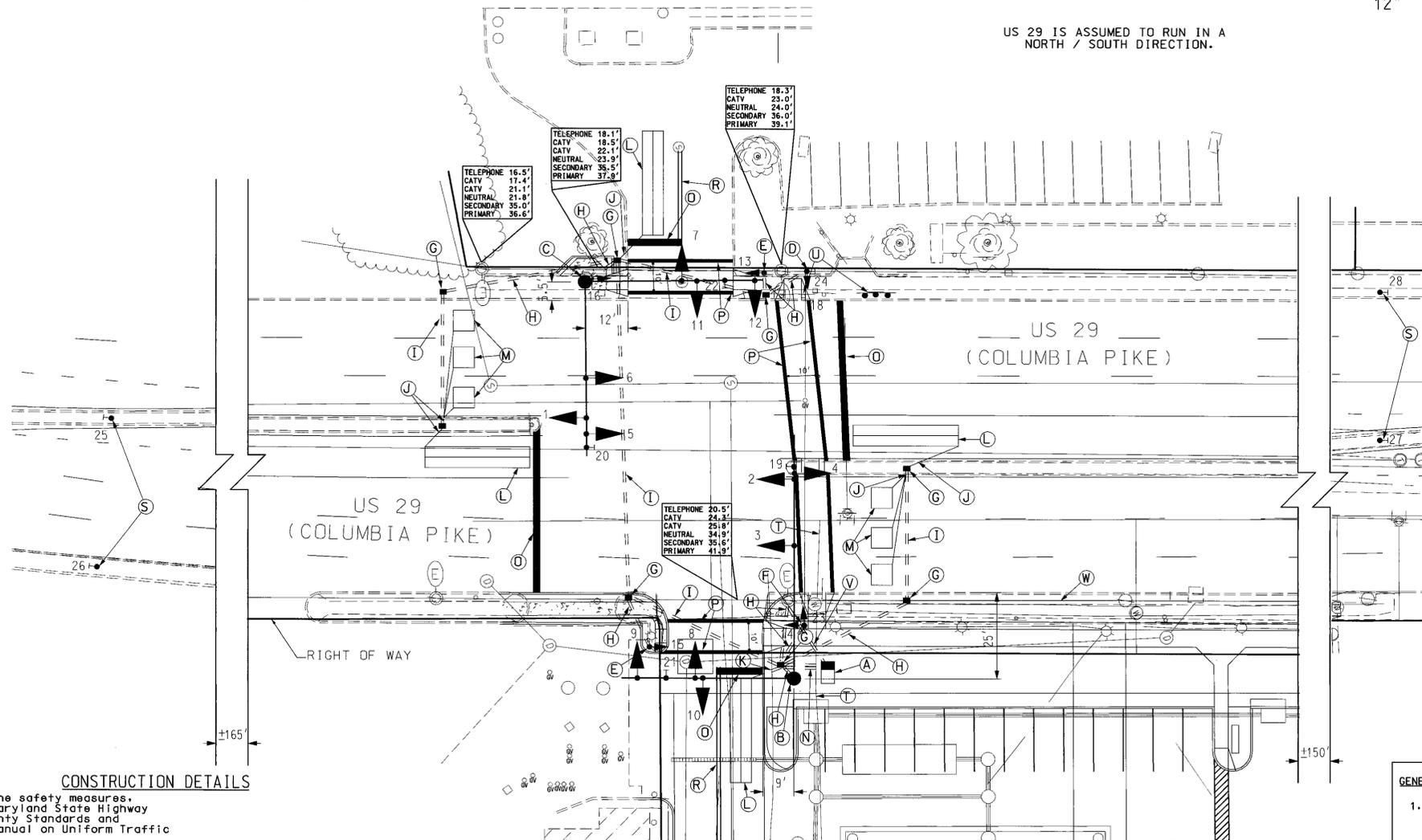
PHASING



→ PROTECTED MOVEMENT
- - - PERMISSIVE MOVEMENT



US 29 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION.



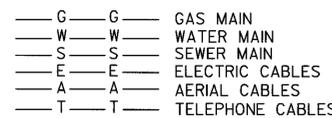
SIGNAL HEAD AND SIGN PLACEMENT DETAIL
NTS

CONSTRUCTION DETAILS

All equipment, materials, work zone safety measures, and workmanship shall comply to Maryland State Highway Administration and Montgomery County Standards and Standard Specifications and the Manual on Uniform Traffic Control Devices.

- A. Install new NEMA size "6" ground mounted cabinet and controller with control and distribution for underground power feed and all necessary equipment as shown. Pull all proposed electrical cables into the controller cabinet and properly tag/label each cable. All internal wiring shall be conducted by Montgomery County forces. (Note: 2-4", 1-3", and 2-2" Schedule 80 PVC 90° bends.)
- B. Install a 27 ft. steel pole with twin 70 ft. and 50 ft. mast arms, signal heads, and signs.
- C. Install a 15 ft. Special "T" steel pole with twin 50 ft. mast arms, signal heads, pedestrian signal head, and pedestrian pushbutton, and pedestrian education sign.
- D. Install a 10 ft. pedestal pole with pedestrian signal head, pedestrian pushbutton, and pedestrian education sign.
- E. Install a 10 ft. pedestal pole with pedestrian signal head.
- F. Install a 10 ft. pedestal pole with pedestrian signal heads, pushbutton, and pedestrian education sign.
- G. Install hand hole.
- H. Install 3" Schedule 80 PVC (trenched).
- I. Install 4" Schedule 80 PVC (bored).
- J. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve) for each loop.
- K. Install 1" galvanized steel electrical conduit (detector wire sleeve).
- L. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- M. Install 6' x 6' loop detector encased in 1/4" flexible tubing (4 turns).
- N. Install 2-4" conduits (trenched).
- O. Install 24" White Heat Applied Thermoplastic Pavement Marking for stop bars.
- P. Install 12" White Heat Applied Thermoplastic Pavement Marking for crosswalk lines.
- R. Install 5" Yellow Heat Applied Thermoplastic Pavement Marking for lane lines.
- S. Install ground mounted traffic sign 300' upstream of the proposed stop bar. Remove sign assembly after signal has been in operation for 90 days.
- T. Utility line to be abandoned as part of this project by others.
- U. Relocate existing bus stop signs (3) as shown.
- V. Install 2-2" schedule 80 rigid electrical PVC conduits (trenched) with 90° bends from PEPCO pole 798436-6226 to the cabinet and a 10 ft. riser. 1 conduit is for electrical service, and spare. In the electrical service conduit, install 3 -1 conductor #4 AWG electrical cables and coil 35 feet for PEPCO to install.
- W. Install D/H interconnect cable from PEPCO pole 798436-6226 to PEPCO pole 739436-0680, near Lockwood Avenue.

UTILITY LEGEND



NOTE: BASE MAPPING PROVIDED BY GUTSCHICK, LITTLE AND WEBER, P.A.



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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 29 AND
BURNT MILLS SHOPPING CENTER

DRAWN BY: JMM	F.A.P. NO.	TS NO.
CHECKED BY: KWF	S.H.A. NO.	4328
SCALE: 1"=20'	COUNTY: MONTGOMERY	T.I.M.S. NO.
DATE: AUGUST 30, 2004	LOG MILE: 15002902.50	G085X

SHEET NO. 1 OF 2