

MD 414 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

EXISTING SIGNS



EXISTING SIGN TO BE REMOVED

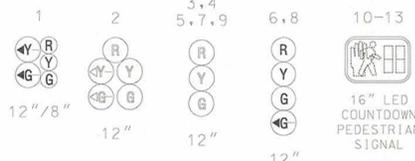


EXISTING SIGNALS TO BE REMOVED

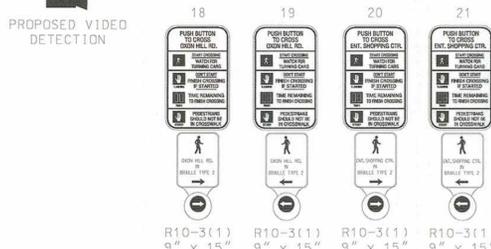


MIDDLE ENTRANCE TO RIVERTOWNE SHOPPING CENTER

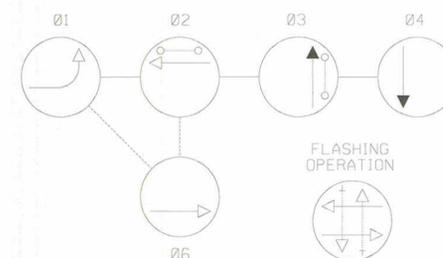
PROPOSED EQUIPMENT



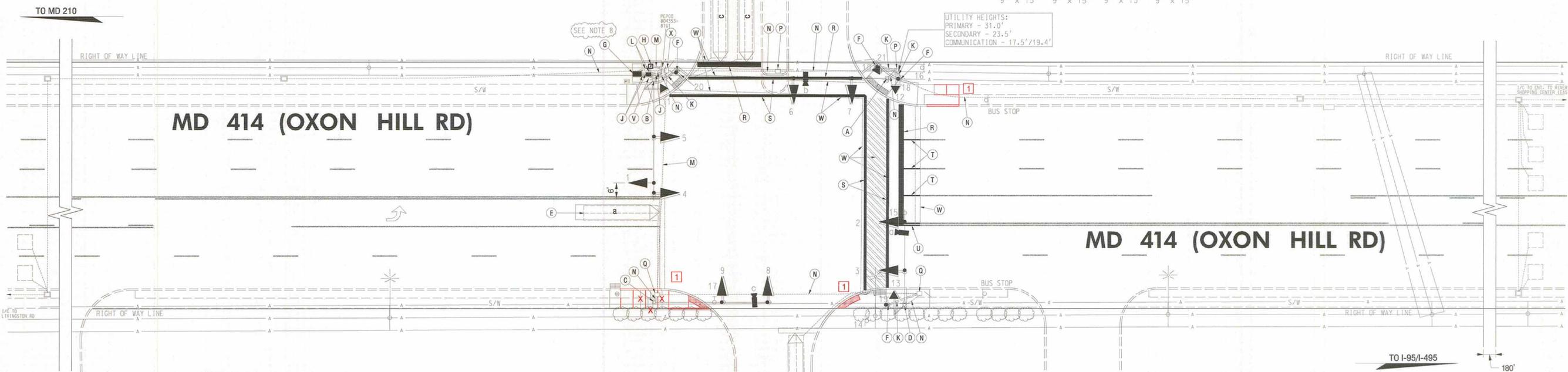
PROPOSED SIGNS



NEMA PHASING



NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



MD 414 (OXON HILL RD)

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COMMERCIAL ENTRANCE

CONSTRUCTION DETAILS:

- A. USE EXISTING STEEL MAST ARM POLE, REMOVE EXISTING TRAFFIC AND PEDESTRIAN SIGNAL HEADS AND EXISTING PEDESTRIAN PUSHBUTTON AND SIGN. INSTALL LED TRAFFIC SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNALS AND VIDEO DETECTION CAMERA AS SHOWN. ALL OTHER EXISTING EQUIPMENT TO REMAIN.
- B. USE EXISTING STEEL MAST ARM POLE, REMOVE EXISTING TRAFFIC AND PEDESTRIAN SIGNAL HEADS. INSTALL LED TRAFFIC SIGNAL HEADS AND COUNTDOWN PEDESTRIAN SIGNALS AS SHOWN. ALL OTHER EXISTING EQUIPMENT TO REMAIN.
- C. USE EXISTING STEEL MAST ARM POLE, REMOVE EXISTING POLE MOUNTED SIGNAL CABINET AND ALL EQUIPMENT. REMOVE EXISTING TRAFFIC SIGNAL HEADS AND INSTALL LED TRAFFIC SIGNAL HEADS AND VIDEO DETECTION CAMERA AS SHOWN. ALL OTHER EXISTING EQUIPMENT TO REMAIN.
- D. USE EXISTING STEEL MAST ARM POLE, REMOVE EXISTING TRAFFIC AND PEDESTRIAN SIGNAL HEADS, R 10-12 SIGN AND EXISTING PEDESTRIAN PUSHBUTTON AND SIGN. INSTALL LED TRAFFIC SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNALS AND VIDEO DETECTION CAMERA AS SHOWN. ALL OTHER EXISTING EQUIPMENT TO REMAIN.
- E. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
- F. INSTALL 10' PEDESTAL POLE (CUT TO 5') WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- G. INSTALL NEMA 'S' BASE-MOUNTED CABINET WITH ALL NECESSARY EQUIPMENT. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 BENDS)
- H. INSTALL METERED SERVICE PEDESTAL EMBEDDED.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- L. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF THE UTILITY POLE.
- N. USE EXISTING CONDUIT.
- P. USE EXISTING HANDHOLE.
- Q. USE EXISTING HANDHOLE AND ADJUST TO GRADE.
- R. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- S. INSTALL 12 INCH HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- T. INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR LANE LINE.
- U. INSTALL 5 IN. HEAT APPLIED, DOUBLE YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CENTER LINE.
- V. INSTALL HANDHOLE.
- W. REMOVE EXISTING PAVEMENT MARKING.
- X. USE EXISTING HANDHOLE AND ADJUST TO GRADE. DISCONNECT, PULL BACK AND REROUTE EXISTING INTERCONNECT AND MAIN LINE LOOP DETECTORS CABLES TO THE NEW SIGNAL CABINET

GENERAL NOTES:

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
7. 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 CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDUITS IN THIS AREA TO AVOID ANY CONFLICT WITH THE NEW CONTROLLER CABINET FOUNDATION AND PAD INSTALLATION.

1 REDLINE REVISION NO. 1 - 03/26/2013

Signature
TEDD APPROVAL

GEOMETRIC LEGEND	
	EXISTING
	PROPOSED

UTILITY LEGEND	
	STORM DRAIN
	GAS MAIN
	WATER MAIN
	SEWER MAIN
	ELECTRIC CABLES
	AERIAL CABLES
	TELEPHONE CABLES
	FIBER-OPTIC

APPROVALS	REVISIONS
TEAM LEADER	11/12 TMS NO. R282 SHA NO. XY1285183
ASST. DIV. CHIEF	UPGRADE TO APS/CPIS.
DIVISION CHIEF	INSTALL BASE MOUNTED CABINET.
OFFICE DIRECTOR	X.M.
	A 1/92
	ASBUILT
	RRZ

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

MD 414 AT MIDDLE ENT. TO RIVERTOWNE SHOPPING CENTER
OXON HILL, MD

SIGNALIZATION PLAN SHEET			
SCALE	1" = 20'	DATE	3/8/13
DESIGNED BY	R.Z.	COUNTY	PRINCE GEORGE'S
DRAWN BY	G.H.	LOGMILE	16041401.44
CHECKED BY		TMS NO.	
F.A.P. NO.		TOD NO.	
TS NO.	2097B	DRAWING	OF
		SHEET NO.	1 OF 3

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