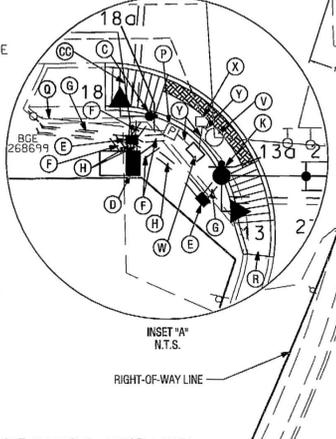
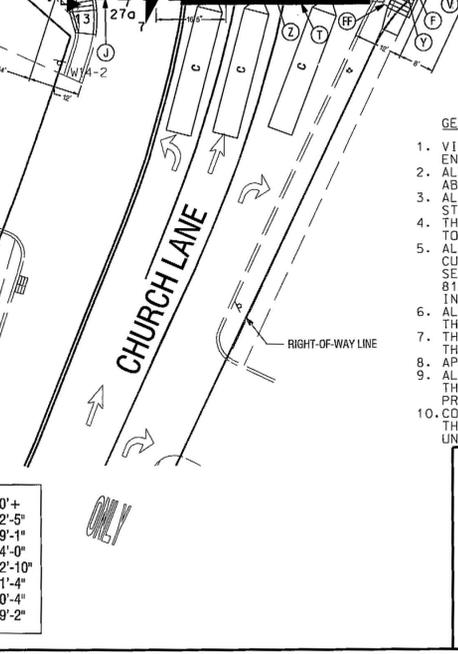


- PROPOSED SIGNS**
- 21, 21a, 27, 27a: York Rd D-3(1) (VAR. X16") DUAL FACE
 - 18a, 17a, 16a, 13a, 14a, 15a: Push button to cross York Rd, Cranbrook Rd, Church Ln, York Rd, Cranbrook Rd, Church Ln. Dimensions: (9" x 15")
 - 19, 19a: Cranbrook Rd D-3(1) (VAR. X16") DUAL FACE
 - 20, 20a: Church Ln D-3(1) (VAR. X16") DUAL FACE
 - 22, 25: R3-5(L) (30"x36") ONLY
 - 26: R3-6(L) (30"x36") ONLY
 - 23: R3-5(1) (30"x36") ONLY
 - 24: R3-5(R) (30"x36") ONLY
 - 28, 29, 30, 31: Shield Assembly (30"x51") and (48"x75") for York Rd, Cranbrook Rd, Church Ln
 - 33, 38: DM1-3 (18"x18")
 - 36, 41: R1-2 (36"x36"x36")
- PROPOSED SIGNALS**
- 1, 4: 12"/8" 12" 12" 12"
 - 2, 5: 12" 12" 12" 12"
 - 3, 6, 12: 12" 12" 12" 12"
 - 9: 12" 12" 12" 12"
 - 7, 10: 8"/12" 12"
 - 8, 11: 12" 12" 12" 12"
 - 13-18: 16" LED Countdown Pedestrian Signal
- NEMA PHASING**
- Ø1, Ø2, Ø3, Ø4, Ø5, Ø6, Ø4 ALT., FLASHING OPERATION
- EXISTING SIGNS TO REMAIN**
- 37, 35, 42: Various speed limit and warning signs

- CONSTRUCTION DETAILS**
- INSTALL 27FT MAST ARM POLE WITH TWIN 15FT SPECIAL 'T' 50FT/70FT MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON AND SIGN, 15FT LIGHTING ARM AND A 250W HPS LUMINAIRE (NOTE: INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND).
 - INSTALL 16.5FT MAST ARM POLE WITH 15FT SPECIAL 'T' 50FT MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, AND COUNTDOWN PEDESTRIAN SIGNAL (NOTE: INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND). INSTALL 3" WEATHERHEAD FOR INTERCONNECT.
 - INSTALL 10FT BREAKAWAY PEDESTAL POLE ON MODIFIED BASE WITH COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: INSTALL 1-2" SCHEDULE 80, 90 DEGREE CONDUIT BEND, SEE STD MD-801.01-01 FOR FOUNDATION DETAIL).
 - INSTALL BASE MOUNTED CABINET AND CONTROLLER (NOTE: INSTALL 2-2" AND 2-4" SCHEDULE 80, 90 DEGREE CONDUIT BENDS).
 - INSTALL ELECTRICAL HANDHOLE.
 - INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - SLOTTED.
 - INSTALL 27FT MAST ARM POLE WITH 15FT SPECIAL 'T' 50FT MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND).
 - INSTALL 5FT BREAKAWAY PEDESTAL POLE ON MODIFIED BASE WITH AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND SIGN (NOTE: INSTALL 1-2" SCHEDULE 80, 90 DEGREE CONDUIT BEND, SEE STD MD-801.01-01 FOR FOUNDATION DETAIL).
 - INSTALL PROPOSED SIGN ON 4"x4" WOOD SUPPORT.
 - USE EXISTING METEDED SERVICE PEDESTAL.
 - EXISTING UNDERGROUND SERVICE TO REMAIN.
 - INSTALL STANDARD SIDEWALK RAMP (MD STD 655.12) WITH DETECTABLE WARNING SURFACE (MD STD 655.40). TRANSITION TO MATCH EXISTING SIDEWALK AS SHOWN WHERE APPLICABLE.
 - INSTALL SIDEWALK, CURB AND GUTTER AS SHOWN. INSTALL CUT-THROUGH ISLAND OPENING (MD STD 655.21) WITH DETECTABLE WARNING SURFACE (MD STD 655.40).
 - INSTALL 24" HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
 - INSTALL 12" HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
 - REMOVE EXISTING SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT.
 - REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
 - REMOVE EXISTING HANDHOLE.
 - CAP AND ABANDON EXISTING CONDUIT.
 - REMOVE EXISTING PAVEMENT MARKING.
 - INSTALL MICROLOOP PROBES.
 - INSTALL SAWCUT AND MICROLOOP PROBE LEAD-IN CABLE.
 - INSTALL 1" RIGID GALVANIZED CONDUIT SLEEVE FOR MICROLOOP PROBE LEAD-IN.
 - INSTALL 1" FLEXIBLE CONDUIT SLEEVE FOR MICROLOOP PROBE LEAD-IN.
 - ABANDON EXISTING MICROLOOP PROBES.
 - USE EXISTING HANDHOLE.
 - USE EXISTING CONDUIT.
 - PROPOSED INTERCONNECT (SEE INTERCONNECT SHEET).



- GEOMETRIC LEGEND**
- SD - STORM DRAIN
 - GD - GAS MAIN
 - WM - WATER MAIN
 - SM - SEWER MAIN
 - EC - ELECTRIC CABLES
 - AC - AERIAL CABLES
 - TC - TELEPHONE CABLES
 - FO - FIBER-OPTIC
- UTILITY LEGEND**
- SD - STORM DRAIN
 - GD - GAS MAIN
 - WM - WATER MAIN
 - SM - SEWER MAIN
 - EC - ELECTRIC CABLES
 - AC - AERIAL CABLES
 - TC - TELEPHONE CABLES
 - FO - FIBER-OPTIC
- GENERAL NOTES (CONT'D)**
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
 - ALL CONDUIT ENDING AT A UTILITY POLE SHALL BE STUBBED OUT ONE (1) FOOT ABOVE GROUND.
 - ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH ADMINISTRATION STANDARDS.
 - THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
 - 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.
 - ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL EXCEPT AS STATED ON THE GENERAL INFORMATION SHEET.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
 - ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
 - 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.
 - THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLE, AS WELL AS CAP AND ABANDON UNUSED CONDUIT.



GENERAL NOTES (CONT'D)

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- ALL CONDUIT ENDING AT A UTILITY POLE SHALL BE STUBBED OUT ONE (1) FOOT ABOVE GROUND.
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2	PRIMARY	40'+
	NEUTRAL	32'-9"
	NEUTRAL	30'-10"
	INTERCONNECT	22'-4"
	CABLE	20'-11"
	TELEPHONE	19'-8"
	TELEPHONE	18'-8"

APPROVALS

REVISIONS

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 4-15-74 CONTRACT NO. _____

DESIGNED BY W.R.S. COUNTY BALTIMORE

DRAWN BY W.R.S. LOGMILE 03004506.79

CHECKED BY E.L.F. TMS NO. J639

FAP NO. _____ TOD NO. _____

TS NO. 10192c DRAWING SP-01 OF 39 SHEET NO. 1 OF 2

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

MD 45 (YORK RD) AND CRANBROOK RD / CHURCH LN
COCKEYSVILLE, MD

PARSONS BRINCKERHOFF
100 South Charles Street
Tower 1, 10th Floor
Baltimore, MD 21201-2727
Phone: 410-397-5950
Fax: 410-127-4600

APPROVALS

REVISIONS

TRAFFIC SIGNAL PLAN

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TS NO. 10192c DRAWING SP-01 OF 39 SHEET NO. 1 OF 2

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