

**PROTECTION OF RIGHT-OF-WAY LANDSCAPING**

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS) A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

WHILE ADHERING TO THE REQUIREMENTS OF ITEM 614.035, CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

**PROJECT SURVEY**

THE PROJECT BASE MAPPING DEVELOPED FOR THIS PROJECT UTILIZED RECORD PLANS AND GIS.

TRADITIONAL TOPOGRAPHIC AND BOUNDARY SURVEY WAS NOT PERFORMED.

THE COORDINATES PROVIDED IN THE CONTRACT PLANS FOR THE PROPOSED IMPROVEMENTS ARE BASED ON GRID COORDINATES, WITH RESPECTIVE NORTHING AND EASTING VALUES.

GRID COORDINATES HAVE BEEN PROVIDED FOR EXISTING DEVICES ONLY WHOSE LOCATIONS ARE KNOWN. MISSING GRID COORDINATES FOR THE PROPOSED WRONG WAY SYSTEM DEVICES SHALL BE PROVIDED IN THE NEXT PLAN SUBMISSION.

**ITEM 614, MAINTAINING TRAFFIC**

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING
	(OTHER HOLIDAY OR EVENT)

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY	TIMES ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00 NOON FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00 NOON FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00 NOON MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00 NOON TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00 NOON WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00 NOON THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00 NOON FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP &	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

**ITEM 614, MAINTAINING TRAFFIC (CONTINUED)**

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

**WILL BE  
CLOSED  
FOR DAYS**  
 INFO: 1-888-200-9919

W20-H13-60

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO DISTRICT 7 COMMUNICATIONS OFFICE
RAMP & ROAD CLOSURES	>=2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	>12 HOURS & <2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURE & RESTRICTIONS	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

**LANE VALUE CONTRACT (PN 127)**

THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE DESCRIBED CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS LOCATED IN THE PLAN GENERAL NOTES. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE WITH SPECIFIED STRIPING AND SAFETY FEATURES IN PLACE.

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
LOCATION 16, STANLEY AVE. SB RAMP (3 NIGHTS MAX.)	6 AM - 8 PM	MIN.	\$25
MAXIMUM 15 MINUTE SHORT TERM RAMP CLOSURE (3 PER RAMP)	6 AM - 8 PM	MIN.	\$25

**NOTE:**

- NO RAMP LOCATIONS ARE PERMITTED TO BE CLOSED LONGER THAN 15 MINUTES OTHER THAN LOCATION 16, STANLEY AVENUE. THE 15 MIN. SHORT TERM RAMP CLOSURES ARE PERMITTED DURING NIGHT-TIME WORK HOURS FOR ONLY LOCATIONS WITH PROPOSED AERIAL CONNECTIONS.
- NO LANE CLOSURES ARE PERMITTED ON MAINLINE INTERSTATE 75.
- SHOULDER CLOSURES ON RAMPS ARE PERMITTED AT ALL TIMES AS LONG AS A 12' MINIMUM LANE CAN BE PROVIDED.

**MAINTENANCE OF TRAFFIC FOR PEDESTRIAN AND CYCLISTS**

THE CONTRACTOR SHALL PROVIDE SAFE PASSAGE THROUGH THE PROJECT AREA FOR PEDESTRIANS AND CYCLISTS WHERE SIDEWALKS OR MULTI-USE TRAILS ARE PRESENT. IN ORDER TO MINIMIZE IMPACTS TO PEDESTRIANS, FULL CORNER ACCESS RESTRICTIONS SHOULD BE LIMITED TO ONLY ONE CORNER DURING ANY TIME PERIOD. THE EXCEPTION IS DURING PLACEMENT OF UNDERGROUND CONDUIT CONSTRUCTION AT WHICH TIMES BOTH CORNERS MAY BE CLOSED. ONCE THE CONSTRUCTION AND CURING HAS FINISHED THE CONTRACTOR SHALL OPEN THE CORNER ACCESS BEFORE MOVING TO A NEW CORNER. COST FOR THE PEDESTRIAN RE-ROUTING IS INCIDENTAL TO THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

SIDEWALK/PATH DETOURS SHALL BE PROVIDED AT LOCATION #2 AND LOCATION #12 AS DESCRIBED BELOW:

LOCATION #2 - THE AUSTIN BOULEVARD NORTHERN PATH WILL BE DETOURED TO THE SOUTH SIDE SIDEWALK BETWEEN AUSTIN WEST BOULEVARD TO AUSTIN LANDINGS BOULEVARD. THE DETOUR SHALL FOLLOW SCD MT-110.10 STANDARDS.

LOCATION #12- 2ND STREET SIDEWALK SHALL BE DETOURED SOUTH TO 3RD STREET THEN TURN WEST UNDER I-75 FOLLOWING THE SIDEWALK NORTH PARALLELING THE GREAT MIAMI RIVER RECREATIONAL TRAIL/I-75 SOUTHBOUND EXIT RAMP BACK TO 2ND STREET. THE DETOUR SHALL FOLLOW SCD MT-110.10 STANDARDS AND SHALL BE LIMITED TO A 7 DAY MAXIMUM CLOSURE.

PAYMENT FOR SIGNING AND MAINTENANCE OF TRAFFIC DEVICES AS SHOWN IN SCD MT-110.10 SHALL BE INCLUDED UNDER THE LUMP SUM BID OF ITEM 614- MAINTAINING TRAFFIC.

**SOLAR POWERED LED SIGN REQUIREMENTS**

THIS SPECIFICATION DESCRIBES THE MINIMUM ACCEPTABLE DESIGN AND PERFORMANCE REQUIREMENTS FOR LED ENHANCED [SIGNAL AHEAD (W3-3), STOP AHEAD (W3-1), STOP (R1-1)] SIGN. THE SIGN SHALL BE SELF-POWERED BY SOLAR PANELS AND BATTERIES WITH NO EXTERNAL ELECTRICAL POWER INSTALLATION. THE LED ENHANCED SIGN SHALL BE MUTCD COMPLIANT.

THE FOLLOWING CRITERIA SHALL BE MET:

1. THE NEW UNIT SHALL ATTACH SECURELY TO THE PROPOSED SIGN SUPPORT USING A TAMPER RESISTANT FASTENING SYSTEM. SPECIAL TOOLS NEEDED FOR THE TAMPER RESISTANT FASTENING SYSTEM SHALL BE SUPPLIED WITH EACH SIGN.
2. EACH SIGN UNIT SHALL BE IDENTIFIED WITH THE MANUFACTURER'S NAME, DATE OF MANUFACTURE, AND SERIAL NUMBER ON THE BACK SIDE.
3. THE SIGN UNIT SHALL BE VISIBLE AT A MINIMUM OF 1/4 MI. DURING ALL CONDITIONS.
4. THE SIGN UNIT SHALL INCORPORATE CIRCUITRY AND A PHOTOCCELL TO ENSURE THAT IS HAS BRIGHTNESS ADJUSTMENT DURING DAY, DUSK, AND AT NIGHT.
5. THE LENS OF THE LED UNIT SHALL BE CAPABLE OF WITHSTANDING ULTRAVIOLET LIGHT (DIRECT SUNLIGHT) EXPOSURE FOR A MINIMUM TIME PERIOD OF FIVE YEARS WITHOUT EXHIBITING EVIDENCE OF DETERIORATION.
6. THE LENSES SHALL WITHSTAND A 3 FOOT DROP TEST ONTO A HARD SURFACE AND SHALL BE A MINIMUM OF 1/4 INCH THICK AND FREE OF BUBBLES AND IMPERFECTIONS. THE LENSES SHALL BE SMOOTH ON THE OUTSIDE, WITH NO EXTERNAL FACETS TO PREVENT DIRT AND DEBRIS BUILD-UP.
7. IF LENSES ARE TINTED, THEY SHALL MATCH THE WAVELENGTH (CHROMATICITY) OF THE LED.
8. THE INDIVIDUAL LED LIGHT SOURCES SHALL BE WIRED SO THAT A CATASTROPHIC FAILURE OF ONE LED LIGHT SOURCE WILL NOT RESULT IN THE LOSS OF MORE THAN ONE LED LIGHT SOURCE IN THE SIGN UNIT.
9. LED UNITS AND ASSOCIATED ON-BOARD CIRCUITRY SHALL CONFORM TO THE REQUIREMENTS IN FEDERAL COMMUNICATIONS COMMISSION (FCC) TITLE 47, SUB PART B, SECTION 15 REGULATIONS CONCERNING THE EMISSION OF ELECTRONIC NOISE.
10. LED'S SHALL BE RATED FOR USE IN THE AMBIENT OPERATING TEMPERATURE RANGE OF -40 DEGREES F TO +166 DEGREES F. (= -40 DEGREES C TO +74 DEGREES C)
11. THE LED'S WIRING SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS. THE LED'S SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURES AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.

12. THE SIGN LED'S SHALL DISPLAY A MINIMUM OF 500,000 MCD FOR DAYTIME VISIBILITY.

EQUIPMENT REQUIRED TO FURNISH THE SIGN WITH SOLAR POWERED LED'S AND MOUNT THE SOLAR UNIT TO THE SIGN SUPPORT AS PER THE LED ENHANCED SIGN DETAIL.

**SOLAR POWERED LED SIGN REQUIREMENTS (CONTINUED)**

SOLAR REQUIREMENTS -

SEE "GENERAL ELECTRICAL REQUIREMENTS FOR SOLAR-POWERED DEVICES".

REQUIRED DOCUMENTATION -

EACH SIGN UNIT SHALL BE PROVIDED WITH THE FOLLOWING DOCUMENTATION EITHER IN HARD COPY OR AS A PDF.

1. ONE SCHEMATIC DIAGRAM SHALL BE PROVIDED FOR THE SIGN UNIT ALONG WITH ANY NECESSARY INSTALLATION INSTRUCTIONS.
2. THE LED MANUFACTURERS NAME, BRAND, AND MODEL NUMBER.

WARRANTY -

1. THE LED ENHANCED SIGNAL AHEAD SIGN UNIT SHALL BE REPAIRED OR REPLACED BY THE MANUFACTURER IF IT EXHIBITS A FAILURE DUE TO WORKMANSHIP OR MATERIAL DEFECTS WITHIN 2 YEARS OF FIELD OPERATION.
2. THE MANUFACTURER SHALL PROVIDE A WRITTEN WARRANTY AGAINST DEFECTS IN MATERIALS, WORKMANSHIP, AND LUMINOUS INTENSITY FOR THE LED ENHANCED SIGN UNIT FOR A PERIOD OF 2 YEARS AFTER INSTALLATION. A REPLACEMENT LED ENHANCED SIGN UNIT SHALL BE PROVIDED WITHIN 10 DAYS AFTER RECEIPT OF FAILED UNIT AT NO COST, EXCEPT THE COST OF SHIPPING THE FAILED UNIT.

**ITEM 809 ITS DEVICE, MISC.: HIGH-SPEED ETHERNET RADIO, INSTALL ONLY**

THE CONTRACTOR SHALL INSTALL WIRELESS RADIOS, PROVIDED BY ODOT, AT LOCATIONS SPECIFIED IN THE PLANS. THE RADIOS SHALL BE INSTALLED PER SCD ITS-12.50 ON EXISTING TRAFFIC SIGNAL SUPPORTS AND ITS-11.10 ON EXISTING CAMERA POLES. FOR RADIOS INSTALLED ON WRONG WAY SIGN SUPPORTS, INSTALL AS HIGH AS POSSIBLE ON A 10 FOOT RISER INSTALLED SIMILAR TO TRAFFIC SIGNALS PER SCD ITS-12.50. THE RADIOS SHALL BE ORIENTED TO POINT TOWARD EACH OTHER ON EACH SIDE WHERE RADIO PAIRS ARE TO LINK TOGETHER WIRELESSLY.

THE CONTRACTOR SHALL CONNECT THE RADIOS TO THE EXISTING TRAFFIC CABINET WITH OUTDOOR ETHERNET CABLE (SEPARATE PAY ITEM) AND RJ-45 CONNECTORS WHICH SHALL BE TERMINATED IN ACCORDANCE WITH TIA-EIA 568-B AND SUPPLEMENTAL SPECIFICATION 809. THE CONTRACTOR SHALL COORDINATE THE INSTALLS WITH ODOT CENTRAL OFFICE TRAFFIC OPERATIONS ITS LAB (CEN.ITS.LAB@DOT.OHIO.GOV). THE CONTRACTOR SHALL CONNECT THE ETHERNET CABLE INTO A NETWORK SWITCH/ROUTER AS INSTRUCTED BY ODOT AND WORK OVER THE PHONE TO MAKE SURE THE DEVICE IS FUNCTIONING CORRECTLY.

**ITEM 809 ITS DEVICE, MISC.: CCTV IP-CAMERA SYSTEM, FIXED VIEW**

THE CONTRACTOR SHALL PROVIDE AND INSTALL A FIXED VIEW CAMERA CAPABLE OF WRONG WAY ANALYTIC'S PER SUPPLEMENTAL SPECIFICATIONS 809 AND 909. THE CAMERA SHALL HAVE A VARIFOCAL LENS WITH ADJUSTMENT BETWEEN 4 MM AND 13 MM. THE CAMERA SHALL BE INSTALLED AS SHOWN ON THE PLANS AND ORIENTED AND FOCUSED TO VIEW THE EXIT RAMP AS MUCH AS POSSIBLE. THE CAMERA SHALL BE INSTALLED AS HIGH ON THE SUPPORT AS POSSIBLE. THE CAMERA SHALL BE ABLE TO BE TRAINED BY ODOT VIA MACHINE LEARNING APPLICATIONS WITH LOCAL STORAGE TO LOOK BACK AT ALERT ACTIVATIONS AND CLASSIFY ANY DETECTIONS AS POSITIVE OR NEGATIVE. THE CAMERA SHALL BE PROVIDED WITH A HIGH ENDURANCE SD CARD TO BE INSTALLED FOR LOCAL STORAGE UP TO AT LEAST 72 HOURS. THE CONTRACTOR SHALL CONNECT THE CAMERAS TO THE EXISTING TRAFFIC CABINET WITH OUTDOOR ETHERNET CABLE (SEPARATE PAY ITEM) AND RJ-45 CONNECTORS WHICH SHALL BE TERMINATED IN ACCORDANCE WITH TIA-EIA 568-B.

THE CONTRACTOR SHALL DELIVER THE NEW CAMERAS TO THE ODOT ITS LAB FOR INITIAL CONFIGURATION AND LABELING OF THE LOCATION WHERE THEY SHALL BE INSTALLED. THE CONTRACTOR SHALL ALLOW 1 MONTH FOR ODOT TO CONFIGURE THE CAMERAS AND RETURN TO THE CONTRACTOR. UPON INSTALLATION, THE CONTRACTOR SHALL INSTALL THE CAMERA AND CONNECT THE ETHERNET CABLE INTO THE ODOT NETWORK SWITCH PORT, AS INFORMED BY ODOT ITS. THE CONTRACTOR SHALL CALL THE ODOT ITS LAB TO VERIFY THE CAMERA CONNECTION AND VIEWS WHILE ON SITE INSTALLING THE CAMERA. THE CONTRACTOR SHALL ADJUST THE CAMERA ORIENTATION OR LENSES AS NEEDED FOR OPTIMAL VIEWS.

**ITEM 632 SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE**

THE CONTRACTOR SHALL REMOVE EXISTING MESSENGER WIRE LASHING RODS AND REINSTALL THEM AS NECESSARY FOR THE INSTALLATION OF ANY NEW CABLES ON THE EXISTING INTERSECTION SIGNAL SPANS. THE CABLES SHALL ENTER THE EXISTING STRAIN POLE THROUGH THE POLE CABLE ENTRANCE FITTING AND USE THE EXISTING CONDUIT SYSTEM TO GET TO THE CONTROLLER CABINET. THE NEW CABLES SHALL BE SUPPORTED BY A NEW CABLE SUPPORT ASSEMBLY AT THE TOP OF THE STRAIN POLE.

THE NEW SIGNAL CABLES SHALL BE BID BY SEPARATE BID ITEMS.

PAYMENT FOR ITEM 632 "SIGNALIZATION MISC.: UNLASH AND RELASH MESSENGER WIRE" SHALL BE MADE AT THE CONTRACT UNIT PRICE PER FOOT AND SHALL INCLUDE ALL LABOR, MATERIALS CABLE SUPPORT ASSEMBLIES AND EQUIPMENT TO INSTALL NEW CABLES ON EXISTING SIGNAL SPAN WIRE INSTALLATIONS.



SHEET NUM.										PART.	ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	10	11	12	13	14			01/IMS/OT	(X)	EXT	TOTAL				
<b>EROSION CONTROL</b>																	
634										634		659	00300	634	CY	TOPSOIL	
5,710										5,710		659	10000	5,710	SY	SEEDING AND MULCHING	
286										286		659	14000	286	SY	REPAIR SEEDING AND MULCHING	
286										286		659	15000	286	SY	INTER-SEEDING	
1.28										1.28		659	20000	1.28	TON	COMMERCIAL FERTILIZER	
1.18										1.18		659	31000	1.18	ACRE	LIME	
32										32		659	35000	32	MGAL	WATER	
										1		832	30000	1	EACH	EROSION CONTROL	
<b>TRAFFIC CONTROL</b>																	
			86	120	81	90	38			415		621	00100	415	EACH	RPM, YELLOW / RED	
			32	28	30	26	14			130		630	79500	130	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
			16	12	12	13	4			57		630	84900	57	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
			16	12	12	16				56		630	86002	56	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					1	2	1			4		630	97700	4	EACH	SIGNING, MISC.: SERVICE ROUTING VIA EXISTING STRUCTURES	6
					2					2		630	97700	2	EACH	SIGNING, MISC.: SIGN SUPPORT FOUNDATION	5
			4	4	4	3	4			19		644	01360	19	EACH	WRONG WAY ARROW	
			1	3	11					15		646	20320	15	EACH	WRONG WAY ARROW	
<b>TRAFFIC SIGNALS</b>																	
										3		625	00470	3	EACH	CONNECTION, UNFUSED BOLTED	
			2,410	2,090	2,241	1,125	1,383			9,249		625	25400	9,249	FT	CONDUIT, 2", 725.04	
					94	921				1,015		625	25408	1,015	FT	CONDUIT, 2", 725.051	
						190				190		625	25500	190	FT	CONDUIT, 3", 725.04	
			436	443	266	146	43			1,334		625	25902	1,334	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
										8,304		625	29000	8,304	FT	TRENCH	
			2,137	1,964	2,213	1,180	810			397		625	29011	397	FT	TRENCH, 30" DEEP, AS PER PLAN	6
			204				193			85		625	29400	85	FT	TRENCH IN PAVED AREA	
			51			34				64		625	30500	64	EACH	PULL BOX, 725.06, SIZE 1.5	
			16	16	18	8	6			12		625	30520	12	EACH	PULL BOX, 725.06, SIZE 7	
			4	3	2	3				1		625	30530	1	EACH	PULL BOX, 725.06, SIZE 18	
										66		625	31600	1	EACH	PULL BOX, MISC.: PULL BOX, 725.06, SIZE 1.5	6
			18	17	18	13	4			66		625	32000	66	EACH	GROUND ROD	
			2,392	1,964	2,213	1,194	1,003			8,766		625	36010	8,766	FT	UNDERGROUND WARNING/MARKING TAPE	
			37							37		632	90500	37	FT	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE	8
										12		632	26500	12	EACH	DETECTOR LOOP	
			152	563		390				1,105		632	29900	1,105	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	
			16	14	13	8	5			56		632	64020	56	EACH	PEDESTAL FOUNDATION	
						5				5		632	64021	5	EACH	PEDESTAL FOUNDATION, AS PER PLAN	6
						1,374				1,374		632	65200	1,374	FT	LOOP DETECTOR LEAD-IN CABLE	
										26,727		632	67300	26,727	FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG	
			6,463	5,442	5,962	8,189	2,661			18,681		632	68300	18,681	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	
			3,514	5,066	3,699	4,299	2,103			18		632	70001	18	EACH	POWER SERVICE, AS PER PLAN	5
			4	4	4	4	2			28		632	70400	28	EACH	CONDUIT RISER, 2" DIAMETER	
			5	8	5	8	2			5		632	80300	5	EACH	WOOD POLE	
										62		632	90010	62	EACH	PEDESTAL, MISC.: PEDESTAL, 15' TRANSFORMER BASE	6
			375	1,760	800	1,440	660			5,035		809	64550	5,035	FT	ETHERNET CABLE, OUTDOOR-RATED	
			4	4	4	5	3			20		809	65990	20	EACH	ITS DEVICE, MISC.: CCTV IP-CAMERA SYSTEM, FIXED VIEW	8
				8	4	4	2			18		809	65990	18	EACH	ITS DEVICE, MISC.: ITS DEVICE MISC. HIGH-SPEED ETHERNET RADIO, INSTALL ONLY	8
<b>TRAFFIC SIGNALS ALTERNATES</b>																	
			4	4	4	4	2			18	X	809	69130	18	EACH	WRONG WAY DETECTION SYSTEM (ALTERNATE 1)	6
			4	4	4	4	2			18	X	809	69130	18	EACH	WRONG WAY DETECTION SYSTEM(TAPCO), (ALTERNATE 2)	6
			4	4	4	4	2			18	X	809	69130	18	EACH	WRONG WAY DETECTION SYSTEM(TRAFFICALM), (ALTERNATE 3)	6
<b>MAINTENANCE OF TRAFFIC</b>																	
					280					280		614	11110	280	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
<b>INCIDENTALS</b>																	
	LS									LS		614	11000	LS		MAINTAINING TRAFFIC	
										LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS		624	10000	LS		MOBILIZATION	







MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 5/31/2022 TIME: 1:46:43 PM USER: 1670dw X:\4012500\200536\01112347\_VAR-STW Safety Design 2020-10\113782\_MOT-75-VAR40-DEngineering\Traffic\Sheets\113782\_TS003.dgn

Table with columns: SHEET NO., LOCATION, DISTANCE, and various material specifications (FT, EACH, RPM, CONDUIT, TRENCH, etc.). Includes rows for locations 23, 24, 25, 26 and a SUBTOTAL row.

TRAFFIC CONTROL SUB-SUMMARY

DESIGN AGENCY Mead & Hunt CLIENT



DESIGNER DAD REVIEWER DLW 01/05/22

PROJECT ID 113782 SHEET TOTAL P,12 38







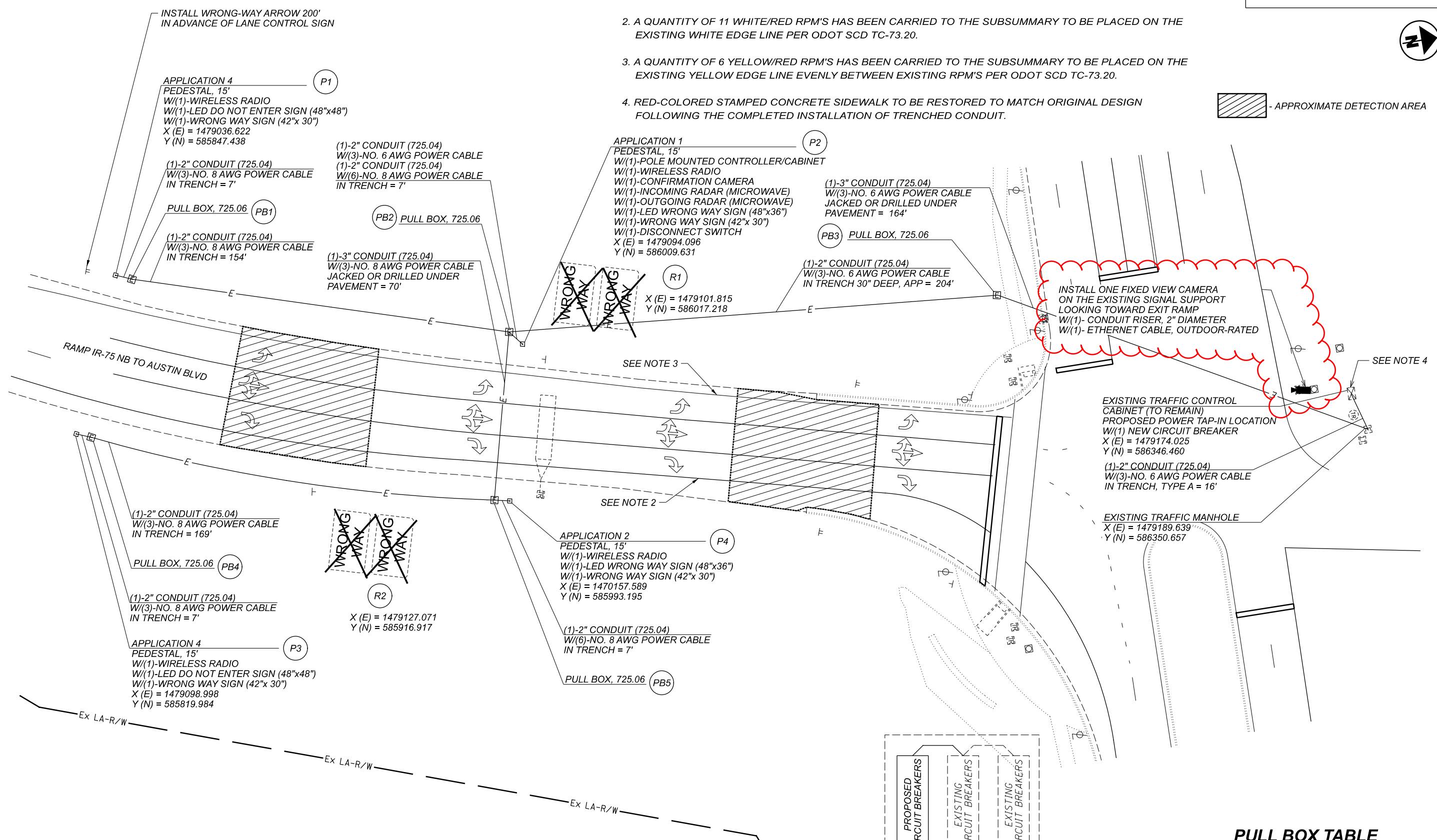
**LOCATION 01**



**NOTES:**

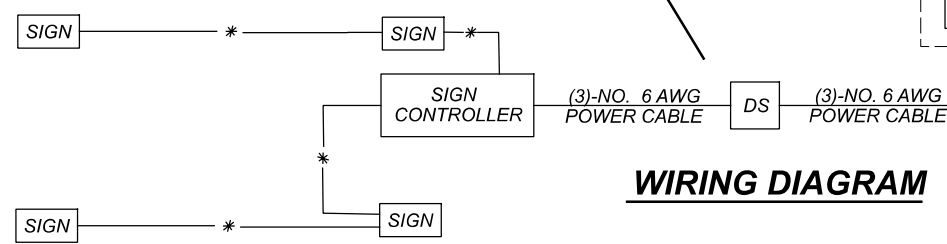
1. REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
2. A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
3. A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.
4. RED-COLORED STAMPED CONCRETE SIDEWALK TO BE RESTORED TO MATCH ORIGINAL DESIGN FOLLOWING THE COMPLETED INSTALLATION OF TRENCHED CONDUIT.

- APPROXIMATE DETECTION AREA



**WIRING DIAGRAM LEGEND**

\* - (3)-NO. 8 AWG  
 DS - DISCONNECT SWITCH



**WIRING DIAGRAM**

**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1479039.500	585853.857	1.5
2	1479088.111	586005.025	7
3	1479108.052	586208.322	1.5
4	1479101.408	585825.792	1.5
5	1479156.029	585986.900	1.5
-	-	-	-

**TRAFFIC CONTROL PLAN - LOCATION 01  
 IR-75 NB AT AUSTIN BLVD**

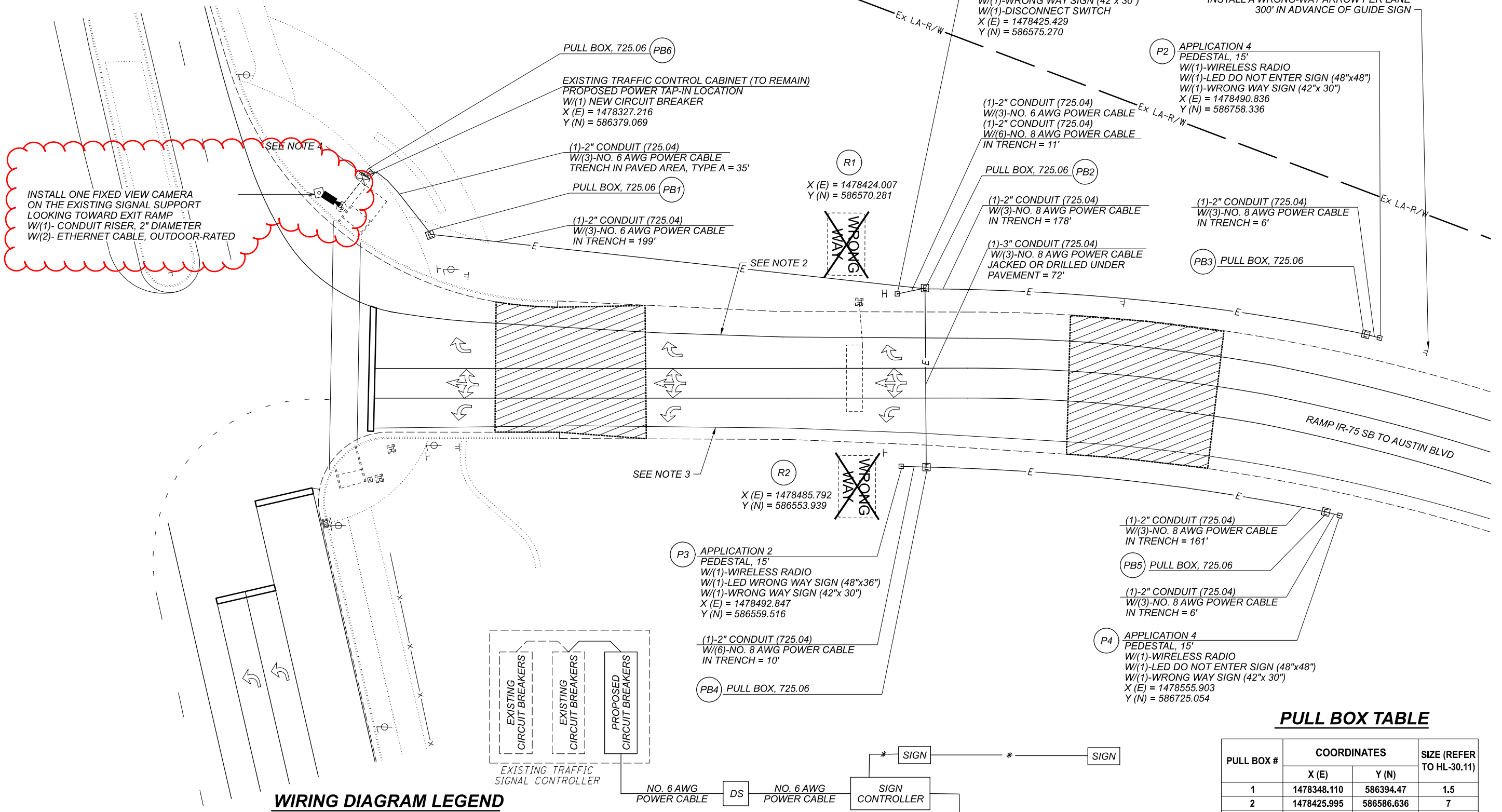
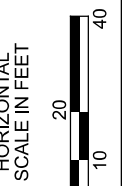


DESIGNER: DAD  
 REVIEWER: DLW 01/05/22  
 PROJECT ID: 113782  
 SHEET TOTAL: P.15 / 38

- NOTES:
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.
  - RED-COLORED STAMPED CONCRETE SIDEWALK TO BE RESTORED TO MATCH ORIGINAL DESIGN FOLLOWING THE COMPLETED INSTALLATION OF PULL BOX #6.
  - THERE IS AN EXISTING FIBER OPTIC CABLE LOCATED BETWEEN THE RW LINE AND EDGE OF PAVEMENT. THE CONTRACTOR SHALL NOTIFY OUPS TO LOCATE ALL THE UTILITIES IN THE AREA BEFORE DIGGING.

 - APPROXIMATE DETECTION AREA

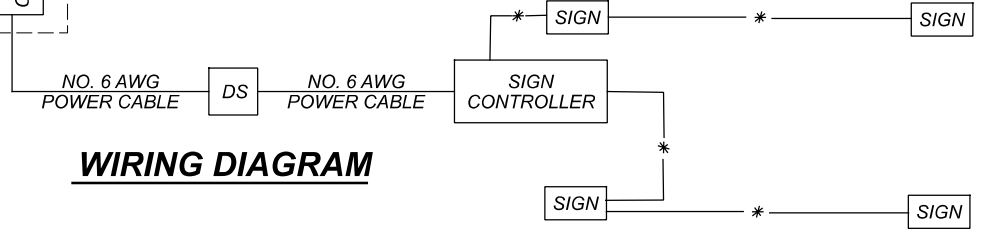
LOCATION 02



**WIRING DIAGRAM LEGEND**

\* - (3)-NO. 8 AWG  
 DS - DISCONNECT SWITCH

**WIRING DIAGRAM**



**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1478348.110	586394.47	1.5
2	1478425.995	586586.636	7
3	1478487.920	586753.273	1.5
4	1478495.661	586719.965	1.5
5	1478553.067	586719.965	1.5
6	1478326.123	586382.335	1.5

TRAFFIC CONTROL PLAN - LOCATION 02  
 IR-75 SB AT AUSTIN BLVD

DESIGN AGENCY  
  
 CLIENT  
  
 DESIGNER  
 DAD  
 REVIEWER  
 DLW 01/05/22  
 PROJECT ID  
 113782  
 SHEET TOTAL  
 P.16 38

- NOTES:**
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 16 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 6 WHITE/RED RPM HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINES PER ODOT SCD TC-73.20.
  - A QUANTITY OF 2 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINE PER ODOT SCD TC-73.20.
  - THE CONTRACTOR SHALL PLACE THE CONDUIT OVER THE EXISTING WATER LINE NO MORE THAN A DEPTH OF 3.5'.

**P1**  
 APPLICATION 4  
 PEDESTAL, 15'  
 W/(1)-WIRELESS RADIO  
 W/(1)-LED DO NOT ENTER SIGN (48"x48")  
 W/(1)-WRONG WAY SIGN (42"x 30")  
 X (E) = 1481177.495  
 Y (N) = 601237.440

(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 6'

**PB1** PULL BOX, 725.06

(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 168'

**R1**  
 X (E) = 1481241.331  
 Y (N) = 601261.471

(1)-3" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 JACKED OR DRILLED UNDER  
 PAVEMENT = 66'

**R2**  
 X (E) = 148183.162  
 Y (N) = 601267.233

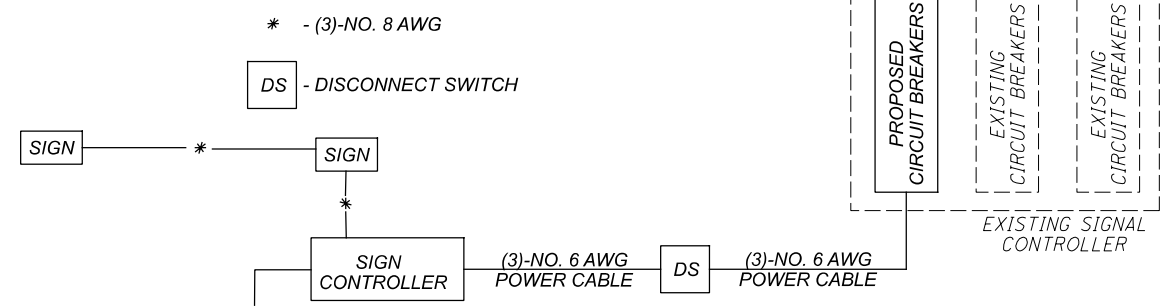
(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 174'

**PB3** PULL BOX, 725.06

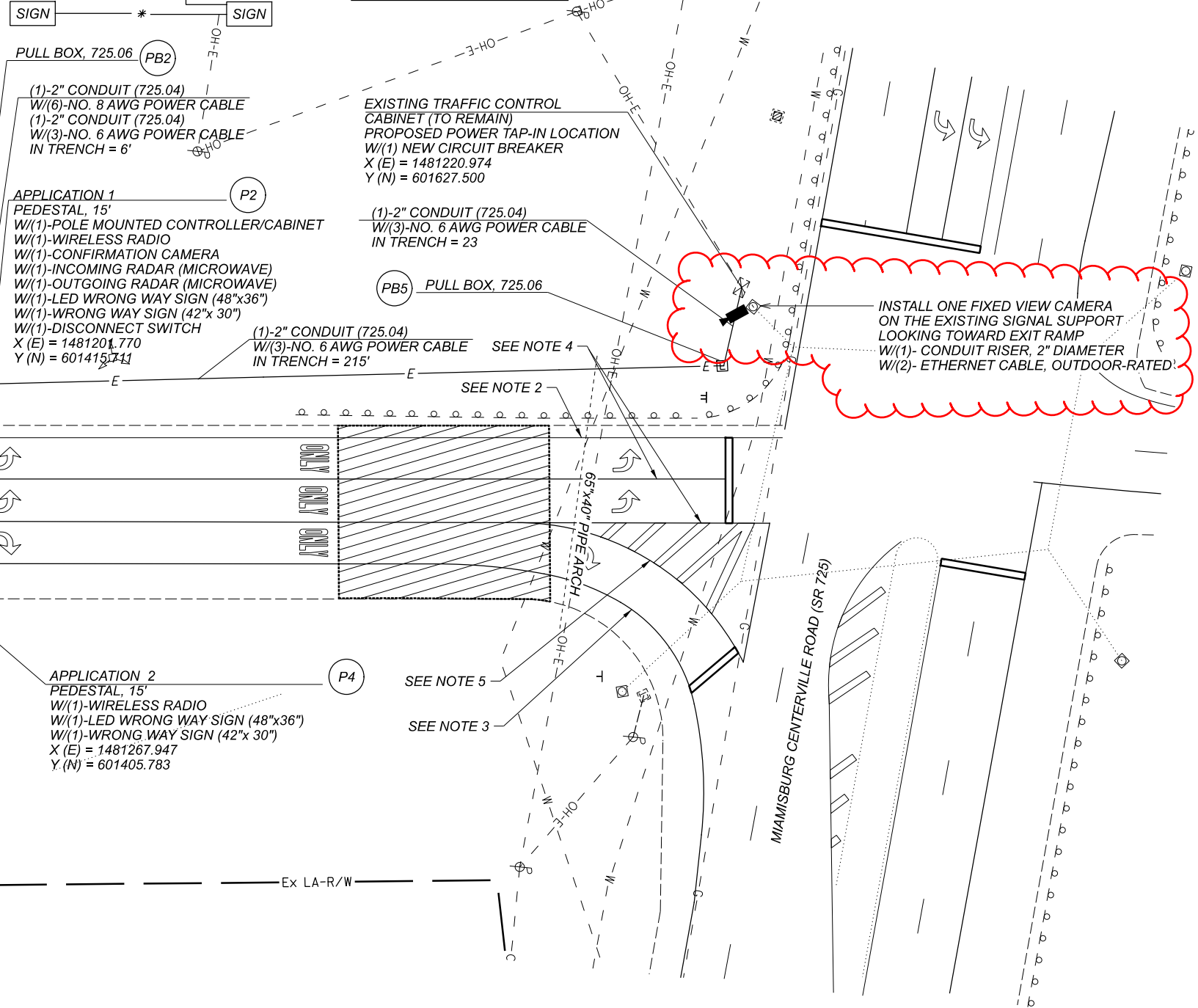
(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 6'

**P3**  
 APPLICATION 4  
 PEDESTAL, 15'  
 W/(1)-WIRELESS RADIO  
 W/(1)-LED DO NOT ENTER SIGN (48"x48")  
 W/(1)-WRONG WAY SIGN (42"x 30")  
 X (E) = 1481238.627  
 Y (N) = 601227.698

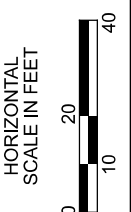
**WIRING DIAGRAM LEGEND**



**WIRING DIAGRAM**



**LOCATION 03**



- APPROXIMATE DETECTION AREA

**PULL BOX TABLE**

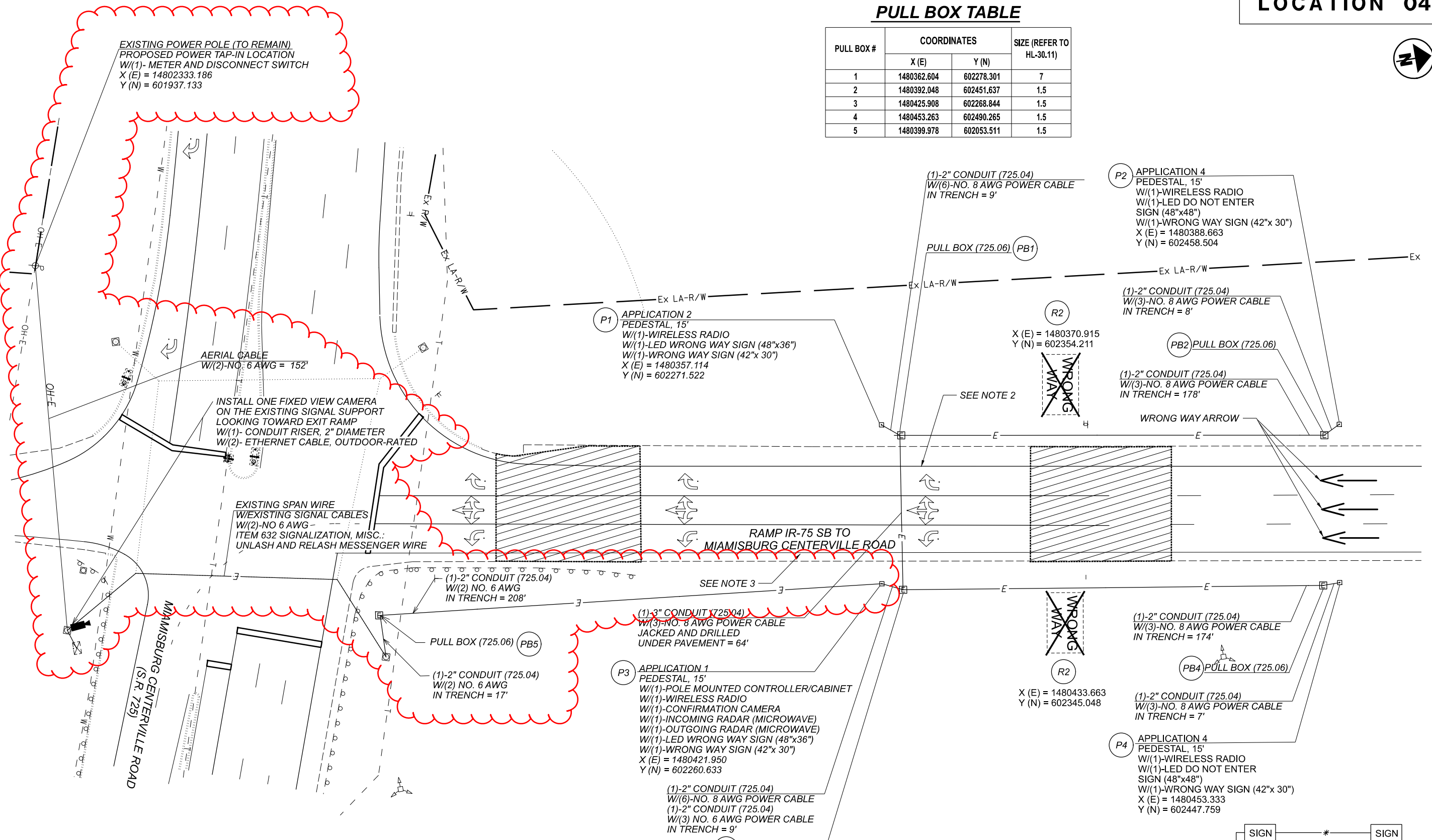
PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1481176.792	601243.182	1.5
2	1481198.184	601411.223	7
3	1481232.609	601228.566	1.5
4	1481263.411	601399.921	1.5
5	1481242.189	601618.192	1.5

**TRAFFIC CONTROL PLAN - LOCATION 03**  
 IR-75 NB AT MIAMISBURG CENTERVILLE ROAD

DESIGN AGENCY  
**Mead & Hunt**  
 CLIENT



DESIGNER  
 DAD  
 REVIEWER  
 DLW 01/05/22  
 PROJECT ID  
 113782  
 SHEET TOTAL  
 P.17 38



- NOTES:**
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.

- APPROXIMATE DETECTION AREA

**PULL BOX TABLE**

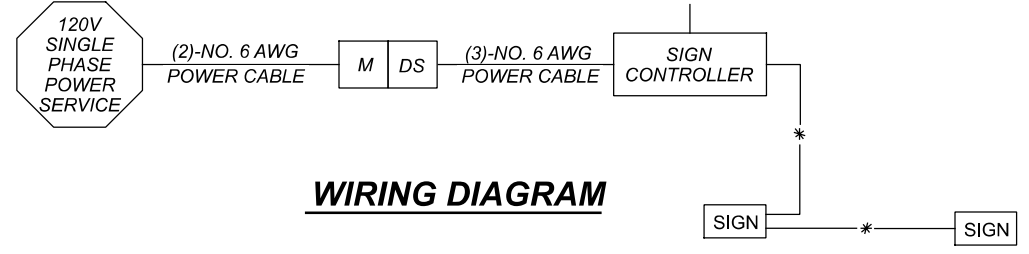
PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1480362.604	602278.301	7
2	1480392.048	602451.637	1.5
3	1480425.908	602268.844	1.5
4	1480453.263	602490.265	1.5
5	1480399.978	602053.511	1.5

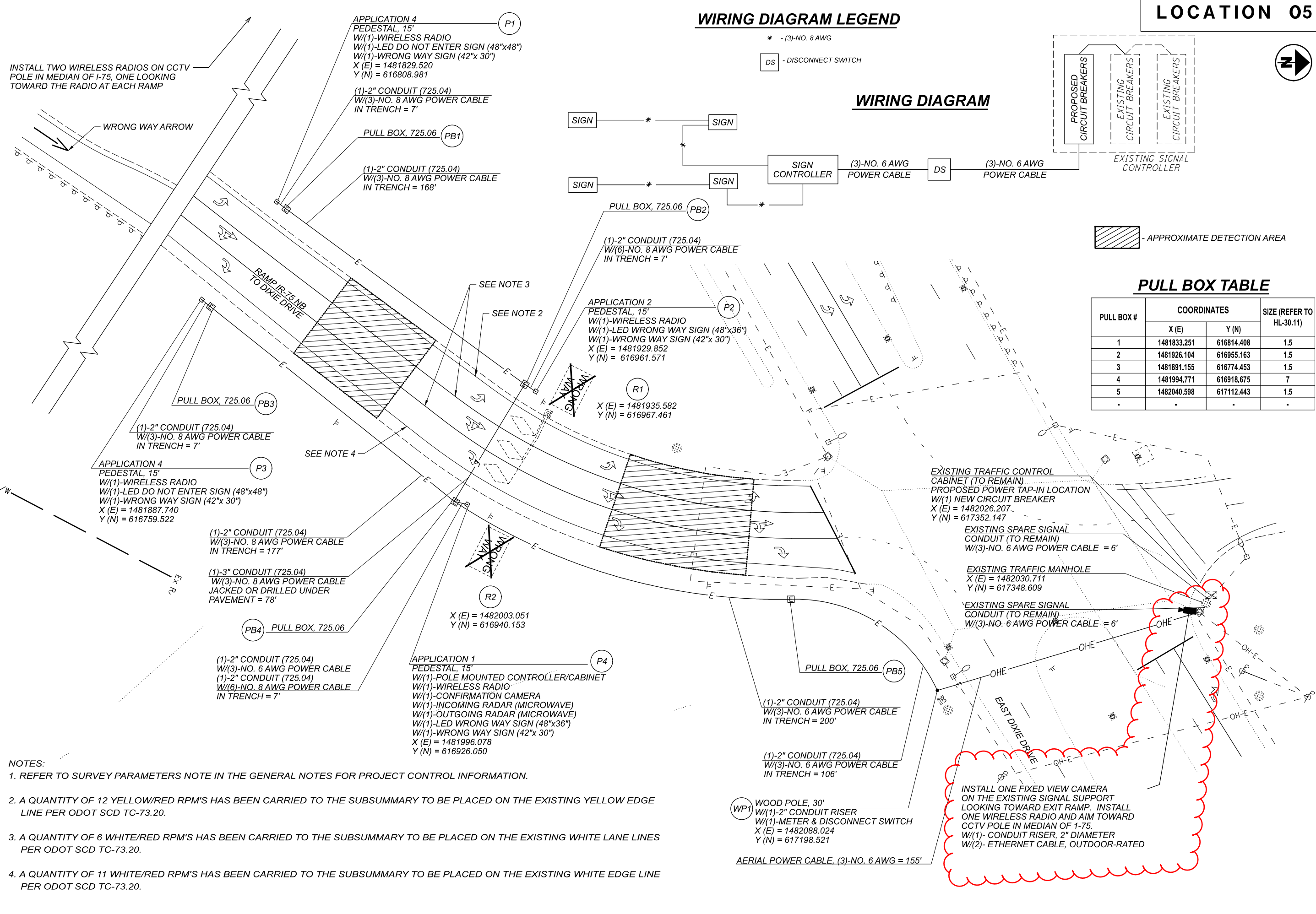
**LOCATION 04**



**WIRING DIAGRAM LEGEND**

- \* - (3)-NO. 8 AWG
- METER
- DISCONNECT SWITCH



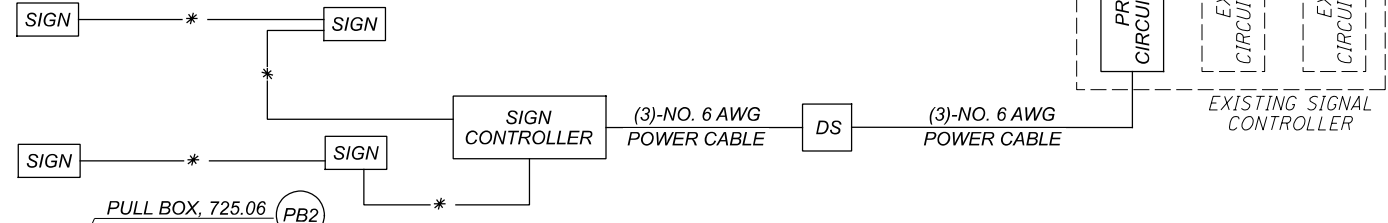


- NOTES:**
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 12 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 6 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINES PER ODOT SCD TC-73.20.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.

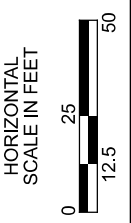
### WIRING DIAGRAM LEGEND

\* - (3)-NO. 8 AWG  
 DS - DISCONNECT SWITCH

### WIRING DIAGRAM



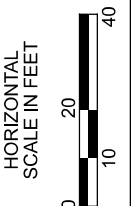
### LOCATION 05



- APPROXIMATE DETECTION AREA

### PULL BOX TABLE

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1481833.251	616814.408	1.5
2	1481926.104	616955.163	1.5
3	1481891.155	616774.453	1.5
4	1481994.771	616918.675	7
5	1482040.598	617112.443	1.5
.	.	.	.

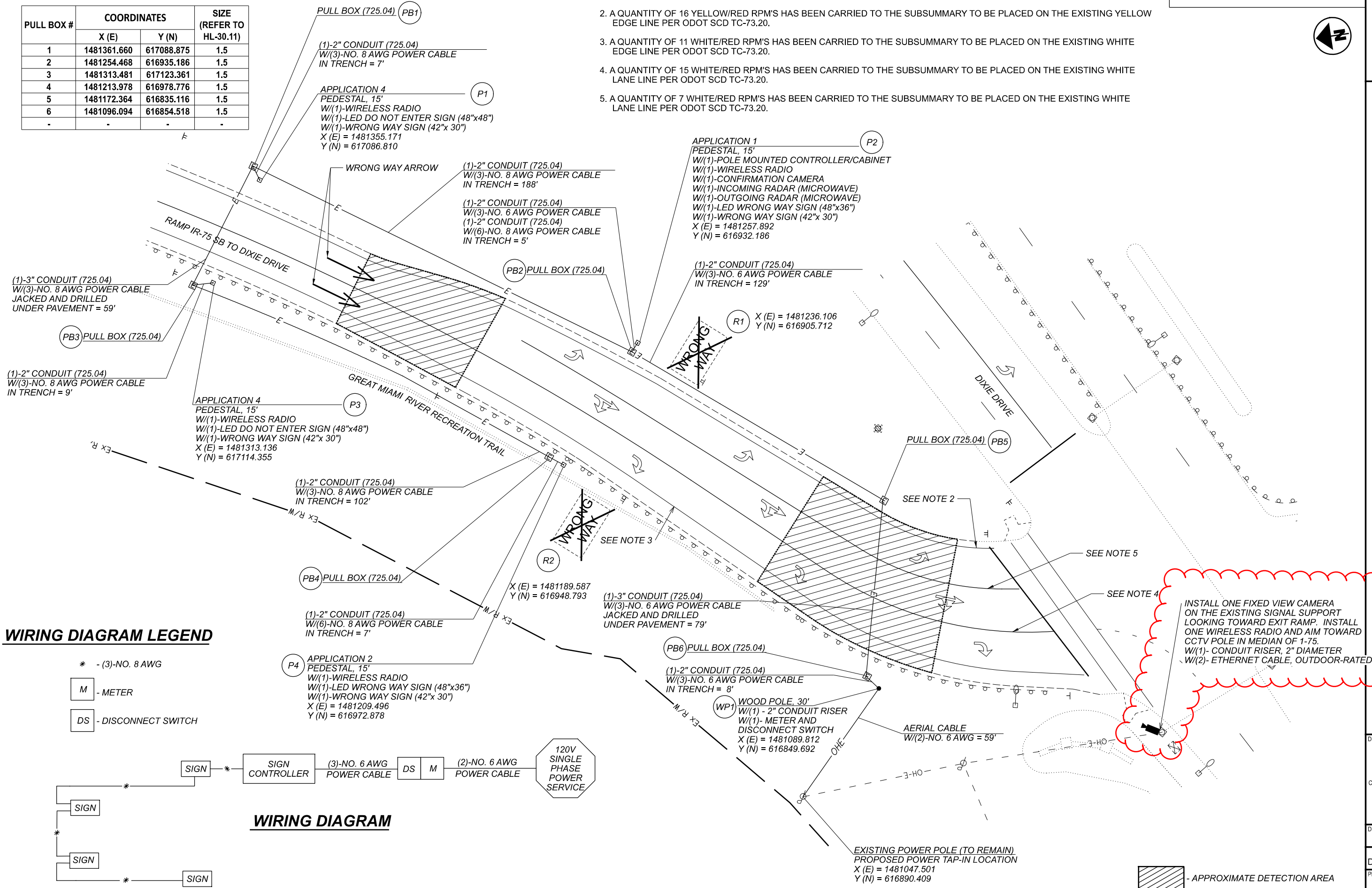


**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1481361.660	617088.875	1.5
2	1481254.468	616935.186	1.5
3	1481313.481	617123.361	1.5
4	1481213.978	616978.776	1.5
5	1481172.364	616835.116	1.5
6	1481096.094	616854.518	1.5

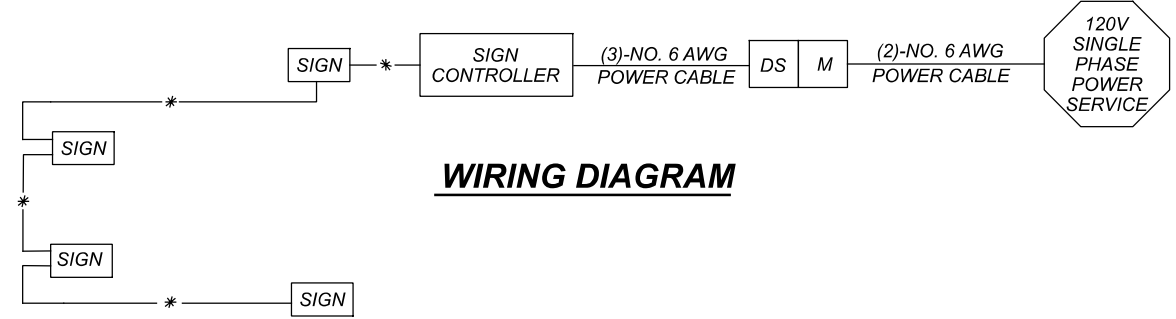
**NOTES:**

- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
- A QUANTITY OF 16 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE PER ODOT SCD TC-73.20.
- A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
- A QUANTITY OF 15 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINE PER ODOT SCD TC-73.20.
- A QUANTITY OF 7 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINE PER ODOT SCD TC-73.20.



**WIRING DIAGRAM LEGEND**

- \* - (3)-NO. 8 AWG
- M - METER
- DS - DISCONNECT SWITCH



**WIRING DIAGRAM**

TRAFFIC CONTROL PLAN - LOCATION 06  
IR-75 SB AT DIXIE DRIVE

DESIGN AGENCY	<b>Mead &amp; Hunt</b>
CLIENT	
DESIGNER	DAD
REVIEWER	DLW
PROJECT ID	113782
SHEET	P.20
TOTAL	38

MOT-75-VAR  
MODEL: TP6 PAPER SIZE: 11x17 (in.) DATE: 5/31/2022 TIME: 11:35:59 AM USER: l670dlw  
X:\402500\200536\01\113782\_VAR-STW\_Safety\_Design\_2020-10\113782\_MOT-75-VAR\_400-Engineering\Traffic\Sheets\113782\_TP006.dgn



**PULL BOX TABLE**

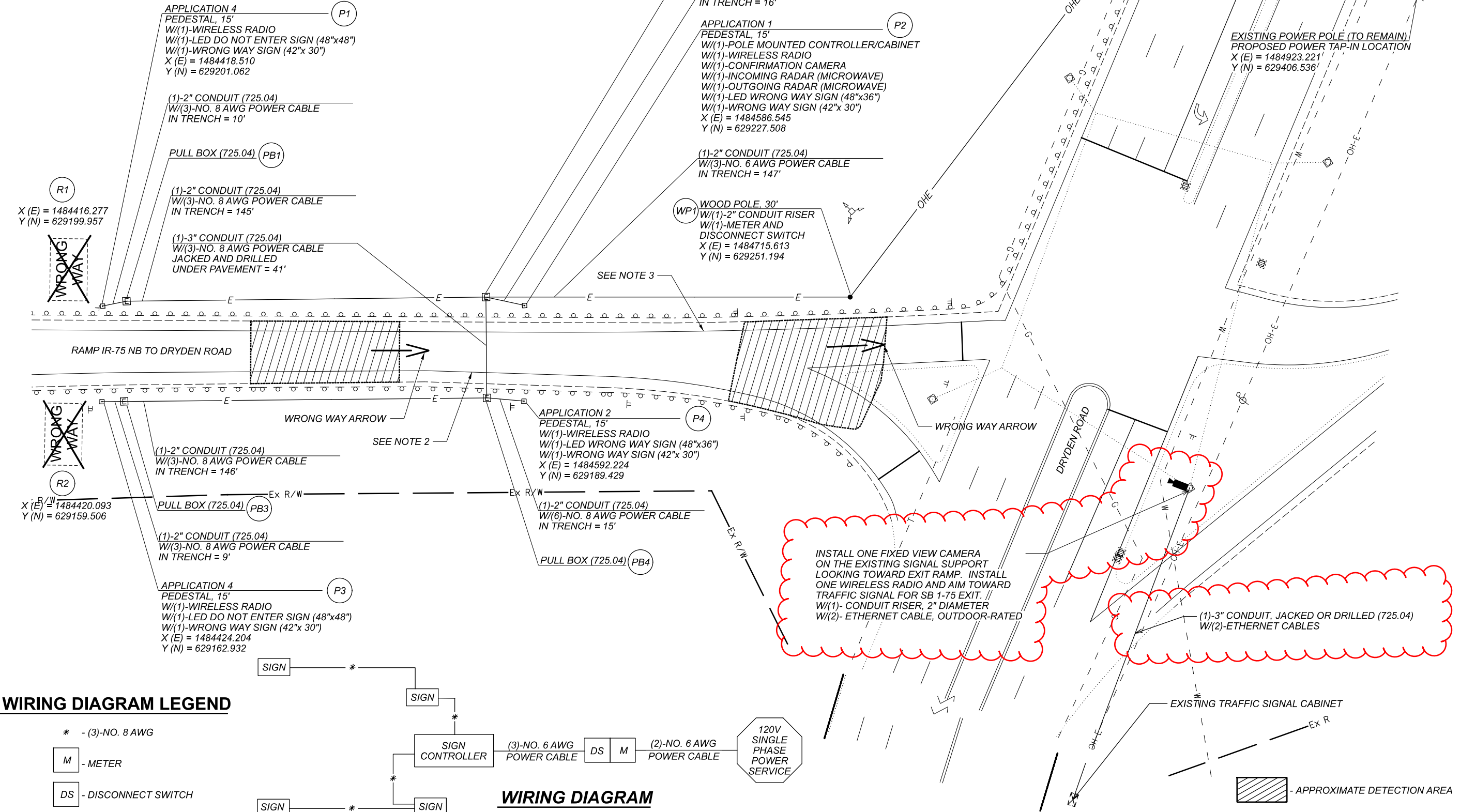
PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1484427.589	629204.513	1.5
2	1484570.592	629228.469	7
3	1484432.979	629164.427	1.5
4	1484577.203	629188.430	1.5

- NOTES:
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 16 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.
  - A QUANTITY OF 6 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A GAS DISTRIBUTION LINE HAS BEEN SHOWN IN THE PLANS BUT WAS NOT LOCATED IN THE FIELD. THE CONTRACTOR SHALL CONTACT THE UTILITIES TO LOCATE THE LINES IN THE FIELD BEFORE DIGGING.

EXISTING WOOD POLE (TO REMAIN)  
X (E) = 1484813.389  
Y (N) = 629433.150

AERIAL CABLE  
W(2)-NO. 6 AWG = 113'  
  
AERIAL CABLE  
W(2)-NO. 6 AWG = 206'

EXISTING POWER POLE (TO REMAIN)  
PROPOSED POWER TAP-IN LOCATION  
X (E) = 1484923.221  
Y (N) = 629406.536'



**WIRING DIAGRAM LEGEND**

- \* - (3)-NO. 8 AWG
- M - METER
- DS - DISCONNECT SWITCH

TRAFFIC CONTROL PLAN - LOCATION 07  
IR-75 NB AT DRYDEN ROAD

DESIGN AGENCY  
**Mead & Hunt**  
CLIENT

DESIGNER  
DAD

REVIEWER  
DLW 01/05/22

PROJECT ID  
113782

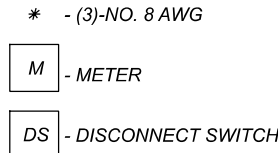
SHEET TOTAL  
P.21 38

MOT-75-VAR MODEL: Plan 7 PAPER SIZE: 11x17 (in.) DATE: 5/31/2022 TIME: 10:40:00 AM USER: 1670dww X:\402500\200536\0112347\_VAR-STW\_Safety\_Design\_2020-10\113782\_MOT-75-VAR\_400-Engineering\Traffic\Sheets\113782\_TP007.dgn

**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1484672.486	630102.710	1.5
2	1484781.791	630111.279	1.5
3	1484885.845	630088.562	7
4	1484981.398	630074.393	1.5
.	.	.	.
.	.	.	.

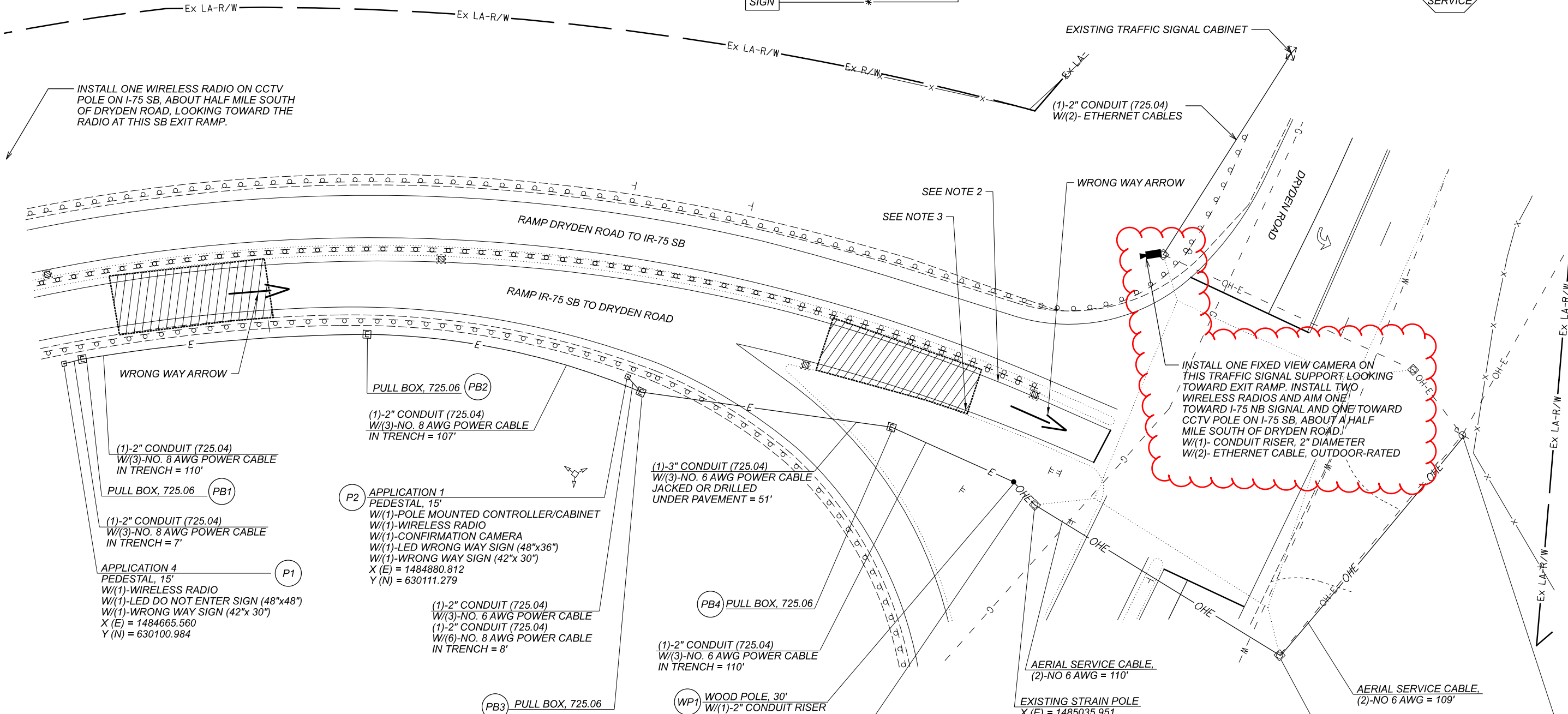
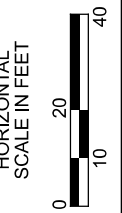
**WIRING DIAGRAM LEGEND**



**WIRING DIAGRAM**



**LOCATION 08**



INSTALL ONE WIRELESS RADIO ON CCTV POLE ON I-75 SB, ABOUT HALF MILE SOUTH OF DRYDEN ROAD, LOOKING TOWARD THE RADIO AT THIS SB EXIT RAMP.

INSTALL ONE FIXED VIEW CAMERA ON THIS TRAFFIC SIGNAL SUPPORT LOOKING TOWARD EXIT RAMP. INSTALL TWO WIRELESS RADIOS AND AIM ONE TOWARD I-75 NB SIGNAL AND ONE TOWARD CCTV POLE ON I-75 SB, ABOUT A HALF MILE SOUTH OF DRYDEN ROAD. W(1)- CONDUIT RISER, 2" DIAMETER W(2)- ETHERNET CABLE, OUTDOOR-RATED

- NOTES:
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 16 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 4 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A GAS DISTRIBUTION LINE HAS BEEN SHOWN IN THE PLANS BUT WAS NOT LOCATED IN THE FIELD. THE CONTRACTOR SHALL CONTACT THE UTILITIES TO LOCATE THE LINES IN THE FIELD BEFORE DIGGING.
  - THE CONDUIT THAT RUNS BETWEEN PB1 TO PB3 SHOULD BE LOCATED A MINIMUM OF 12' FROM THE EDGE OF THE PAVEMENT.

**TRAFFIC CONTROL PLAN - LOCATION 08  
IR-75 SB AT DRYDEN ROAD**

MOT-75-VAR

MODEL: Plan 8 PAPER SIZE: 11x17 (in.) DATE: 5/31/2022 TIME: 10:40:01 AM USER: 670dhw X:\402500\200536\0112347\_VAR-STW\_Safety\_Design\_2020-10\113782\_MOT-75-VAR\_400-Engineering\Traffic\Sheets\113782\_TPO08.dgn

DESIGN AGENCY  
**Mead & Hunt**  
CLIENT

DESIGNER  
DAD

REVIEWER  
DLW 01/05/22

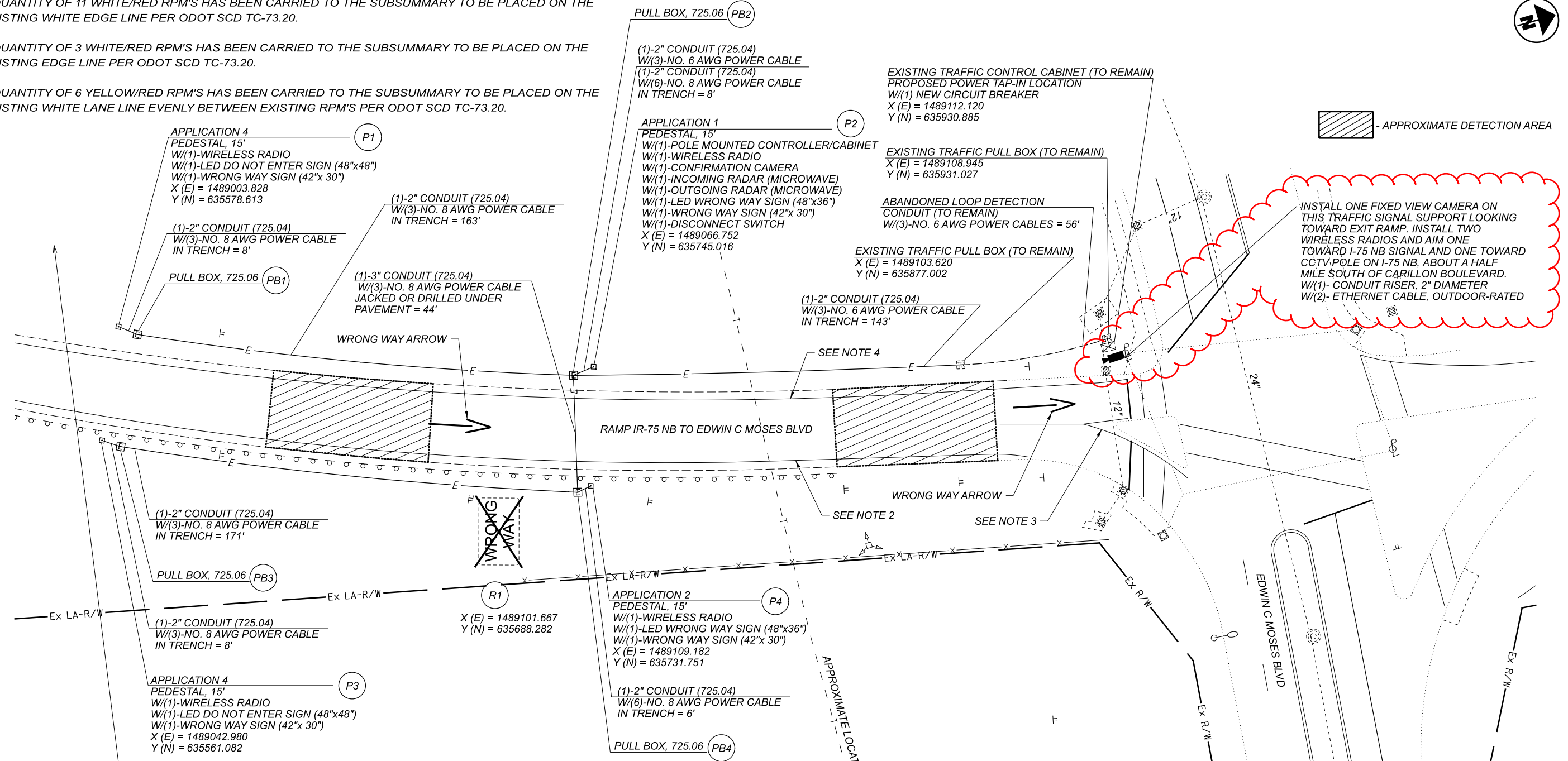
PROJECT ID  
113782

SHEET TOTAL  
P.22 38



- NOTES:**
1. REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  2. A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  3. A QUANTITY OF 3 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING EDGE LINE PER ODOT SCD TC-73.20.
  4. A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.

**LOCATION 09**



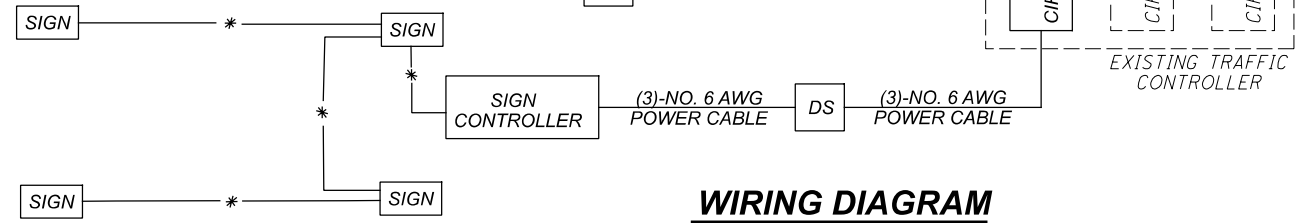
- APPROXIMATE DETECTION AREA

INSTALL ONE FIXED VIEW CAMERA ON THIS TRAFFIC SIGNAL SUPPORT LOOKING TOWARD EXIT RAMP. INSTALL TWO WIRELESS RADIOS AND AIM ONE TOWARD I-75 NB SIGNAL AND ONE TOWARD CCTV POLE ON I-75 NB, ABOUT A HALF MILE SOUTH OF CARILLON BOULEVARD. W/(1)- CONDUIT RISER, 2" DIAMETER W/(2)- ETHERNET CABLE, OUTDOOR-RATED

**WIRING DIAGRAM LEGEND**

\* - (3)-NO. 8 AWG

DS - DISCONNECT SWITCH



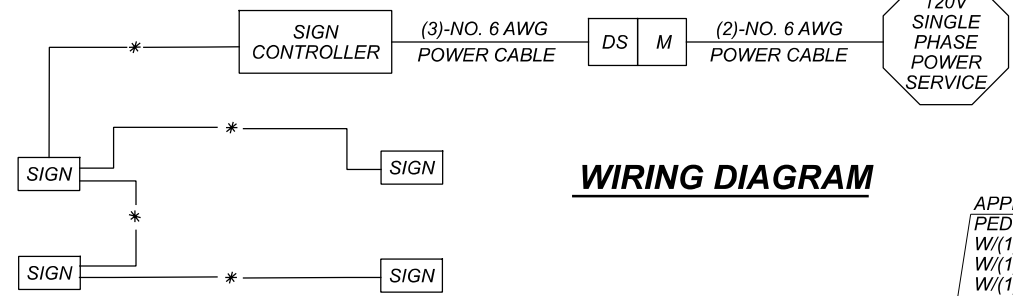
TRAFFIC CONTROL PLAN - LOCATION 09  
 IR-75 NB AT EDWIN C MOSES BLVD

DESIGN AGENCY  
  
 CLIENT  
 DESIGNER  
 DAD  
 REVIEWER  
 DLW 01/05/22  
 PROJECT ID  
 113782  
 SHEET TOTAL  
 P.23 38



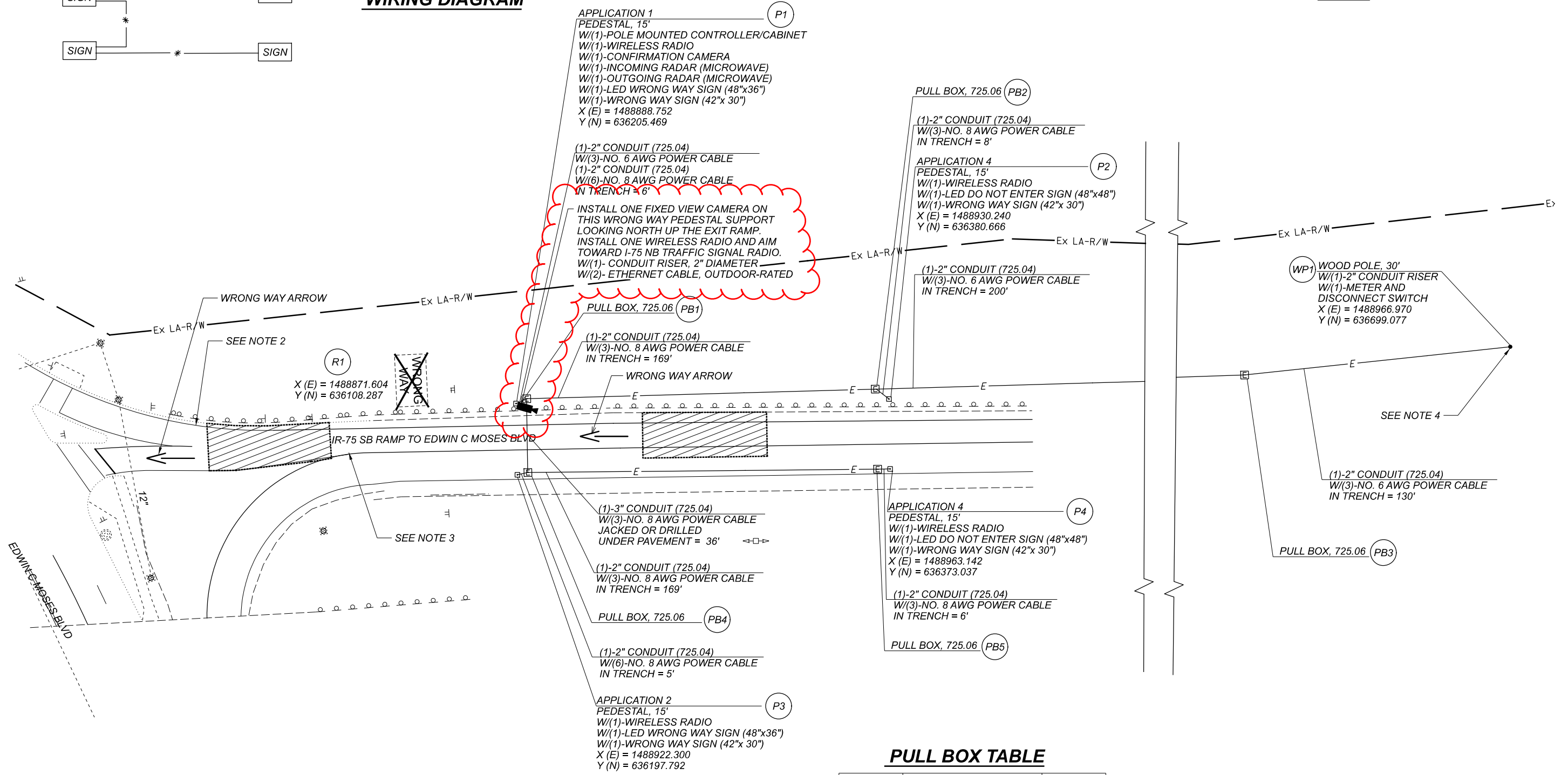
**WIRING DIAGRAM LEGEND**

- \* - (3)-NO. 8 AWG
- M - METER
- DS - DISCONNECT SWITCH



**WIRING DIAGRAM**

- APPROXIMATE DETECTION AREA



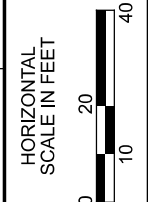
- NOTES:
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 16 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE PER ODOT SCD TC-73.20.
  - AES OHIO ELECTRIC UTILITY TO RUN AERIAL DROP FROM OUTSIDE R/W TO PROPOSED WOOD POLE.

**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1488887.739	636210.997	1.5
2	1488923.926	636375.148	1.5
3	1488966.970	636571.272	1.5
4	1488922.300	636202.919	1.5
5	1488961.728	636366.903	1.5

DESIGN AGENCY  
  
 CLIENT  
  
 DESIGNER  
 DAD  
 REVIEWER  
 DLW 01/05/22  
 PROJECT ID  
 113782  
 SHEET TOTAL  
 P.24 38

**LOCATION 11**



**TRAFFIC CONTROL PLAN - LOCATION 11  
 IR-75 SB AT THIRD STREET**

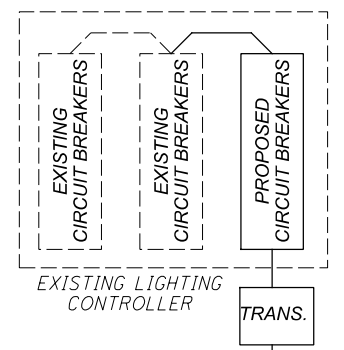
DESIGN AGENCY  
**Mead & Hunt**  
 CLIENT

DESIGNER  
 DAD

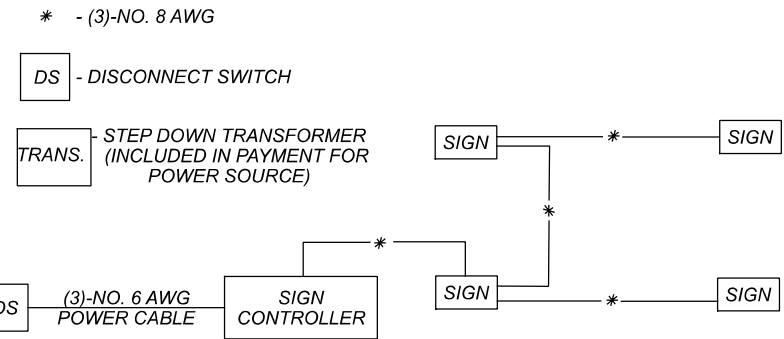
REVIEWER  
 DLW 01/05/22

PROJECT ID  
 113782

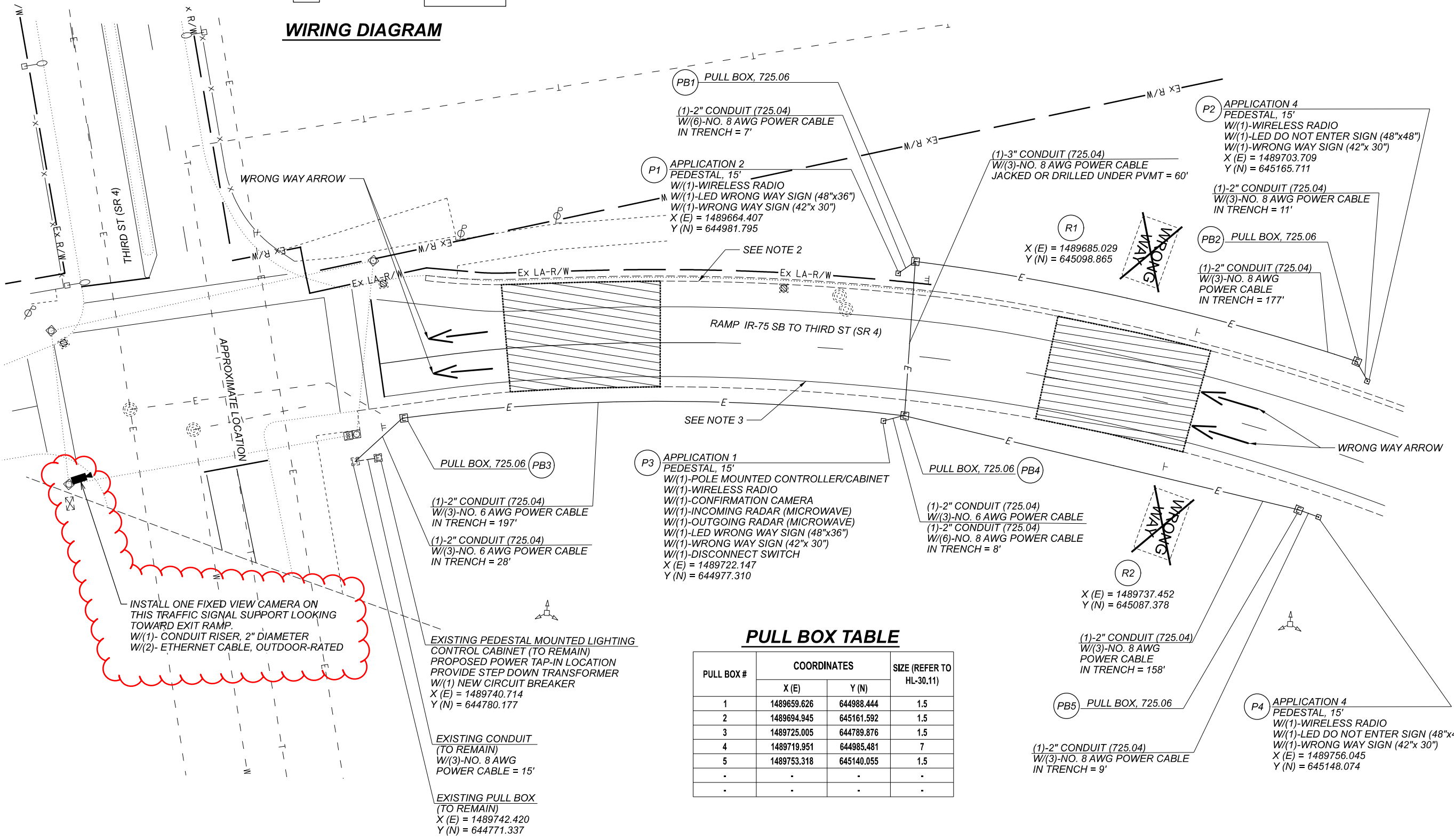
SHEET TOTAL  
 P.25 38



**WIRING DIAGRAM LEGEND**



**WIRING DIAGRAM**



- NOTES:**
1. REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  2. A QUANTITY OF WHITE/RED 11 RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  3. A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.
  4. QUANTITIES FOR ITEM 630 SIGNING, MISC.: SIGN SUPPORT FOUNDATION ARE PROVIDED IN THE SUBSUMMARY FOR THE FOUNDATIONS ALONG THE EAST SIDE DUE TO THE EXISTING LIGHTING IN THE AREA AND THE POTENTIAL UTILITY CONFLICT.

**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1489659.626	644988.444	1.5
2	1489694.945	645161.592	1.5
3	1489725.005	644789.876	1.5
4	1489719.951	644985.481	7
5	1489753.318	645140.055	1.5
-	-	-	-
-	-	-	-

INSTALL ONE FIXED VIEW CAMERA ON THIS TRAFFIC SIGNAL SUPPORT LOOKING TOWARD EXIT RAMP.  
 W(1)- CONDUIT RISER, 2" DIAMETER  
 W(2)- ETHERNET CABLE, OUTDOOR-RATED

EXISTING PEDESTAL MOUNTED LIGHTING CONTROL CABINET (TO REMAIN)  
 PROPOSED POWER TAP-IN LOCATION  
 PROVIDE STEP DOWN TRANSFORMER  
 W(1) NEW CIRCUIT BREAKER  
 X (E) = 1489740.714  
 Y (N) = 644780.177

EXISTING CONDUIT (TO REMAIN)  
 W(3)-NO. 8 AWG POWER CABLE = 15'

EXISTING PULL BOX (TO REMAIN)  
 X (E) = 1489742.420  
 Y (N) = 644771.337

**P4 APPLICATION 4**  
 PEDESTAL, 15'  
 W(1)-WIRELESS RADIO  
 W(1)-LED DO NOT ENTER SIGN (48"x48")  
 W(1)-WRONG WAY SIGN (42"x 30")  
 X (E) = 1489756.045  
 Y (N) = 645148.074

**P3 APPLICATION 1**  
 PEDESTAL, 15'  
 W(1)-POLE MOUNTED CONTROLLER/CABINET  
 W(1)-WIRELESS RADIO  
 W(1)-CONFIRMATION CAMERA  
 W(1)-INCOMING RADAR (MICROWAVE)  
 W(1)-OUTGOING RADAR (MICROWAVE)  
 W(1)-LED WRONG WAY SIGN (48"x36")  
 W(1)-WRONG WAY SIGN (42"x 30")  
 W(1)-DISCONNECT SWITCH  
 X (E) = 1489722.147  
 Y (N) = 644977.310

**P1 APPLICATION 2**  
 PEDESTAL, 15'  
 W(1)-WIRELESS RADIO  
 W(1)-LED WRONG WAY SIGN (48"x36")  
 W(1)-WRONG WAY SIGN (42"x 30")  
 X (E) = 1489664.407  
 Y (N) = 644981.795

**P2 APPLICATION 4**  
 PEDESTAL, 15'  
 W(1)-WIRELESS RADIO  
 W(1)-LED DO NOT ENTER SIGN (48"x48")  
 W(1)-WRONG WAY SIGN (42"x 30")  
 X (E) = 1489703.709  
 Y (N) = 645165.711

**PB2 PULL BOX, 725.06**  
 (1)-2" CONDUIT (725.04)  
 W(3)-NO. 8 AWG POWER CABLE IN TRENCH = 177'

**R1**  
 X (E) = 1489685.029  
 Y (N) = 645098.865

**PB4 PULL BOX, 725.06**  
 (1)-2" CONDUIT (725.04)  
 W(3)-NO. 6 AWG POWER CABLE IN TRENCH = 8'

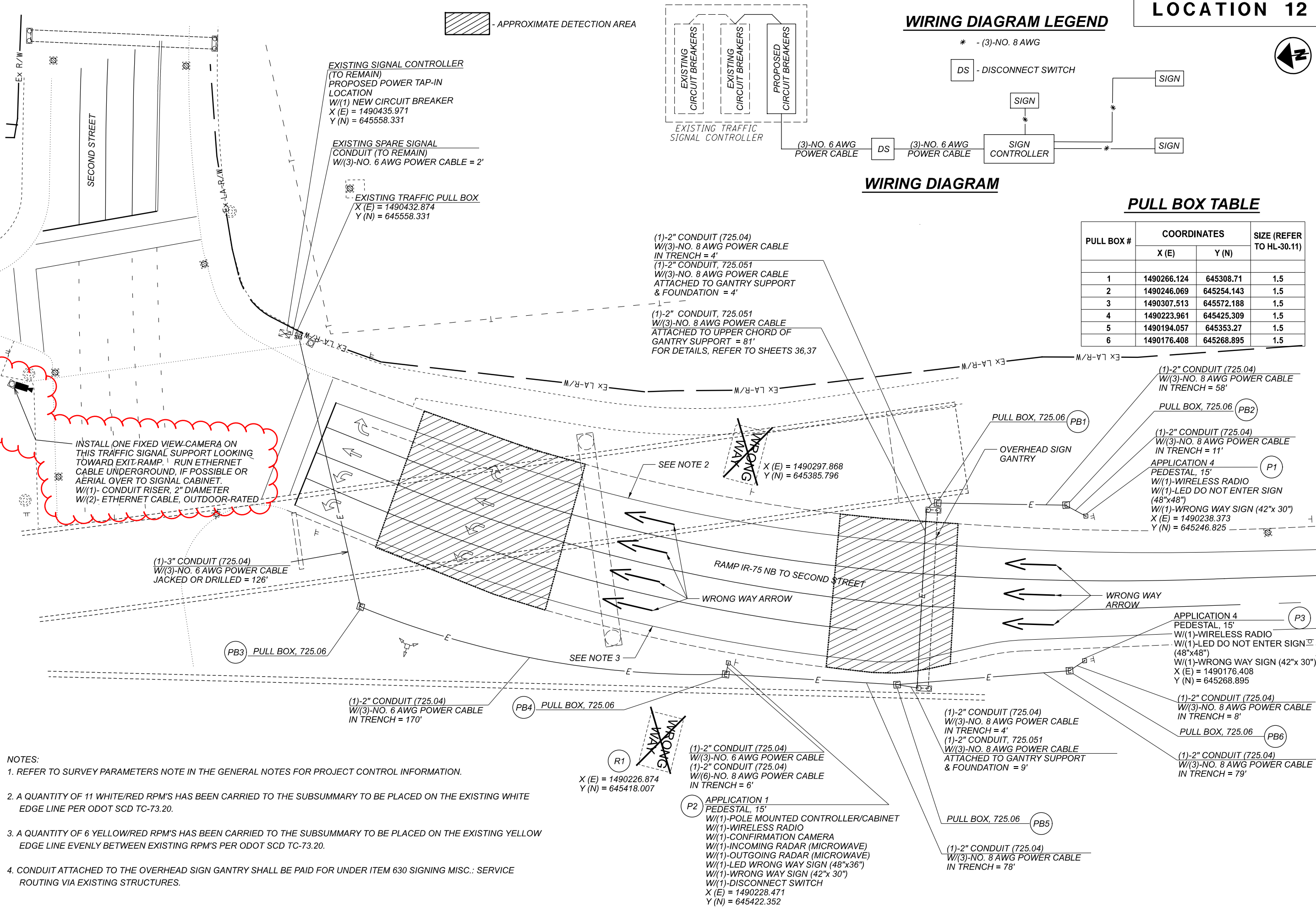
**R2**  
 X (E) = 1489737.452  
 Y (N) = 645087.378

**PB5 PULL BOX, 725.06**  
 (1)-2" CONDUIT (725.04)  
 W(3)-NO. 8 AWG POWER CABLE IN TRENCH = 158'

**PB1 PULL BOX, 725.06**  
 (1)-2" CONDUIT (725.04)  
 W(6)-NO. 8 AWG POWER CABLE IN TRENCH = 7'

**PB3 PULL BOX, 725.06**  
 (1)-2" CONDUIT (725.04)  
 W(3)-NO. 6 AWG POWER CABLE IN TRENCH = 197'

**PB3 PULL BOX, 725.06**  
 (1)-2" CONDUIT (725.04)  
 W(3)-NO. 6 AWG POWER CABLE IN TRENCH = 28'



- NOTES:
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.
  - CONDUIT ATTACHED TO THE OVERHEAD SIGN GANTRY SHALL BE PAID FOR UNDER ITEM 630 SIGNING MISC.: SERVICE ROUTING VIA EXISTING STRUCTURES.

LOCATION 12



TRAFFIC CONTROL PLAN - LOCATION 12  
IR-75 NB AT SECOND STREET

DESIGN AGENCY  
**Mead & Hunt**  
CLIENT

DESIGNER  
DAD

REVIEWER  
DLW 01/05/22

PROJECT ID  
113782

SHEET TOTAL  
P.26 38

NOTES:

- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
- A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
- A QUANTITY OF 6 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINE PER ODOT SCD TC-73.20.
- A QUANTITY OF 11 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20
- ALL CONDUIT AND JUNCTION BOXES ATTACHED TO THE OVERPASS RETAINING WALL SHALL BE PAID FOR UNDER ITEM 630 SIGNING MISC., SERVICE ROUTING VIA EXISTING STRUCTURES.
- A GAS DISTRIBUTION LINE HAS BEEN SHOWN IN THE PLANS BUT WAS NOT LOCATED IN THE FIELD. THE CONTRACTOR SHALL CONTACT THE UTILITIES TO LOCATE THE LINES IN THE FIELD BEFORE DIGGING.

 - APPROXIMATE DETECTION AREA

(1)-2" CONDUIT (725.04)  
W/(3)-NO. 6 AWG POWER CABLE  
(1)-2" CONDUIT (725.04)  
W/(6)-NO. 8 AWG POWER CABLE  
IN TRENCH, TYPE A = 2'  
(1)-2" CONDUIT, 725.051  
W/(6)-NO. 8 AWG POWER CABLE  
(1)-2" CONDUIT, 725.051  
W/(3)-NO. 6 AWG POWER CABLE  
ATTACHED TO WALL FACE  
FOR DETAILS, REFER TO SHEET 38

APPLICATION 1  
15' PEDESTAL POLE (P2)  
W/(1)-POLE MOUNTED CONTROLLER/CABINET  
W/(1)-WIRELESS RADIO  
W/(1)-CONFIRMATION CAMERA  
W/(1)-INCOMING RADAR (MICROWAVE)  
W/(1)-OUTGOING RADAR (MICROWAVE)  
W/(1)-LED WRONG WAY SIGN (48"x36")  
W/(1)-WRONG WAY SIGN (42"x 30")  
W/(1)-DISCONNECT SWITCH  
X (E) = 1491901.026  
Y (N) = 649076.057

(1)-2" CONDUIT (725.051)  
W/(3)-NO. 6 AWG POWER CABLE  
ATTACHED TO WALL LEDGE = 193'

INSTALL ONE FIXED VIEW CAMERA ON THIS TRAFFIC SIGNAL SUPPORT LOOKING TOWARD EXIT RAMP. RUN ETHERNET CABLE UNDERGROUND IF POSSIBLE OR AERIAL OVER TO SIGNAL CABINET.  
W/(1)- CONDUIT RISER, 2" DIAMETER  
W/(1)- ETHERNET CABLE, OUTDOOR-RATED

AERIAL CABLE  
W/(3)-NO. 6 AWG = 4'  
EXISTING SIGNAL STRAIN POLE (TO REMAIN)  
X (E) = 1492080.395  
Y (N) = 649146.321

AERIAL CABLE  
W/(3)-NO. 6 AWG = 90'

X (E) = 1491990.464  
Y (N) = 649061.340

EXISTING SIGNAL CONTROLLER (TO REMAIN)  
PROPOSED POWER TAP-IN LOCATION  
W/(1) NEW CIRCUIT BREAKER  
X (E) = 1492094.564  
Y (N) = 649054.001

EXISTING SIGNAL CONDUIT  
W/ SIGNAL CABLES (TO REMAIN)  
W/(3)-NO. 8 AWG POWER CABLES = 10'  
W/(2)-ETHERNET CABLE, OUTDOOR-RATED

EXISTING PULL BOX (TO REMAIN)  
X (E) = 1492105.207  
Y (N) = 649056.288

EXISTING SIGNAL STRAIN POLE (TO REMAIN)  
X (E) = 1492106.168  
Y (N) = 649060.438

INSTALL ONE WIRELESS RADIO AND AIM ONE TOWARD CCTV ON I-75 SB EXIT RAMP  
W/(1)- CONDUIT RISER, 2" DIAMETER  
W/(2)- ETHERNET CABLE, OUTDOOR-RATED

(1)-2" CONDUIT (725.04)  
W/(3)-NO. 8 AWG POWER CABLE  
IN TRENCH, TYPE A = 2'  
(1)-2" CONDUIT, 725.051  
W/(3)-NO. 8 AWG POWER CABLE  
ATTACHED TO WALL FACE  
FOR DETAILS, REFER TO SHEET 38

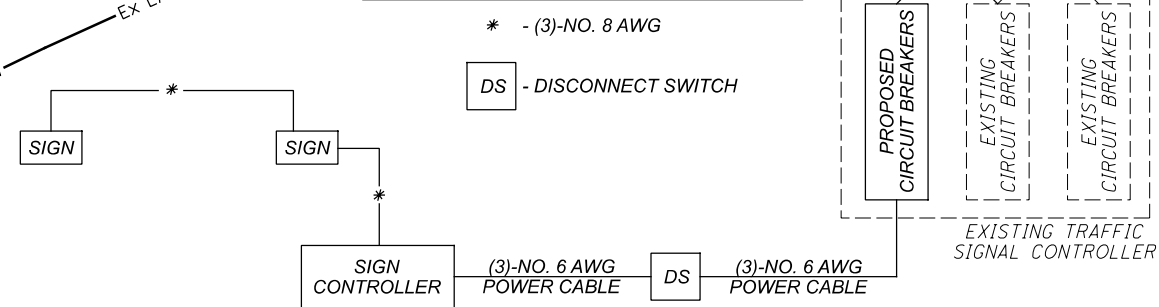
APPLICATION 4 (P1)  
PEDESTAL, 15'  
W/(1)-WIRELESS RADIO  
W/(1)-LED DO NOT ENTER SIGN (48"x48")  
W/(1)-WRONG WAY SIGN (42"x 30")  
X (E) = 1491706.140  
Y (N) = 648960.330

(1)-2" CONDUIT (725.051)  
W/(3)-NO. 8 AWG POWER CABLE  
ATTACHED TO WALL LEDGE = 228'

R1  
X (E) = 1491894.870  
Y (N) = 649073.065

R2

WIRING DIAGRAM LEGEND

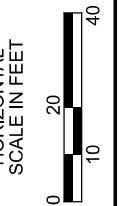


WIRING DIAGRAM

MOT-75-VAR  
MODEL: I13782\_TP03 PAPER SIZE: 17x11 (in.) DATE: 5/31/2022 TIME: 11:40:07 AM USER: 1670dhw  
X:\402500\200536\01\13782\_VAR-STW\_Safety\_Design\_2020-10\13782\_MOT-75-VAR\_400-Engineering\Traffic\Sheets\113782\_TP03.dgn

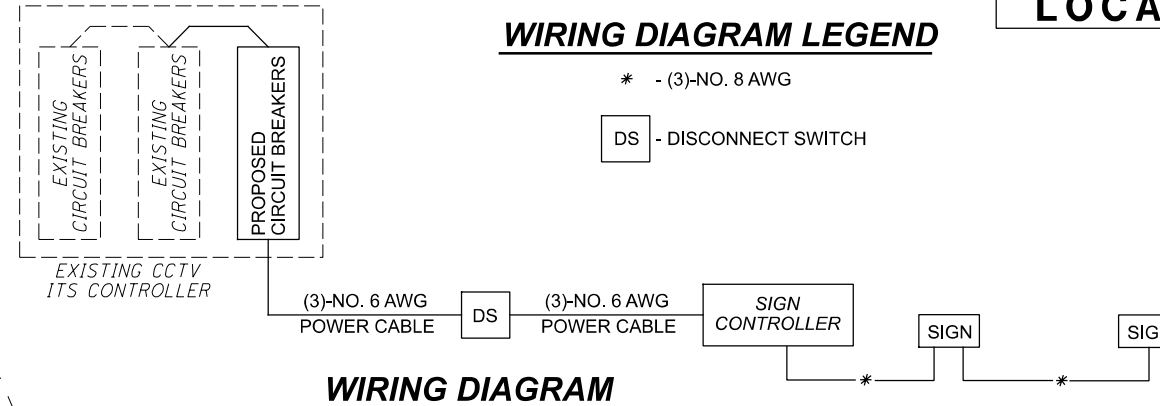
- NOTES:
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.
  - ALL CONDUIT AND JUNCTION BOXES ATTACHED TO THE LEDGE OF THE WALL STRUCTURE SHALL BE PAID FOR UNDER ITEM 630 SIGNING MISC., SERVICE ROUTING VIA EXISTING STRUCTURES.
  - A GAS DISTRIBUTION LINE HAS BEEN SHOWN IN THE PLANS BUT WAS NOT LOCATED IN THE FIELD. THE CONTRACTOR SHALL CONTACT THE UTILITIES TO LOCATE THE LINES IN THE FIELD BEFORE DIGGING.

**LOCATION 14**



**WIRING DIAGRAM LEGEND**

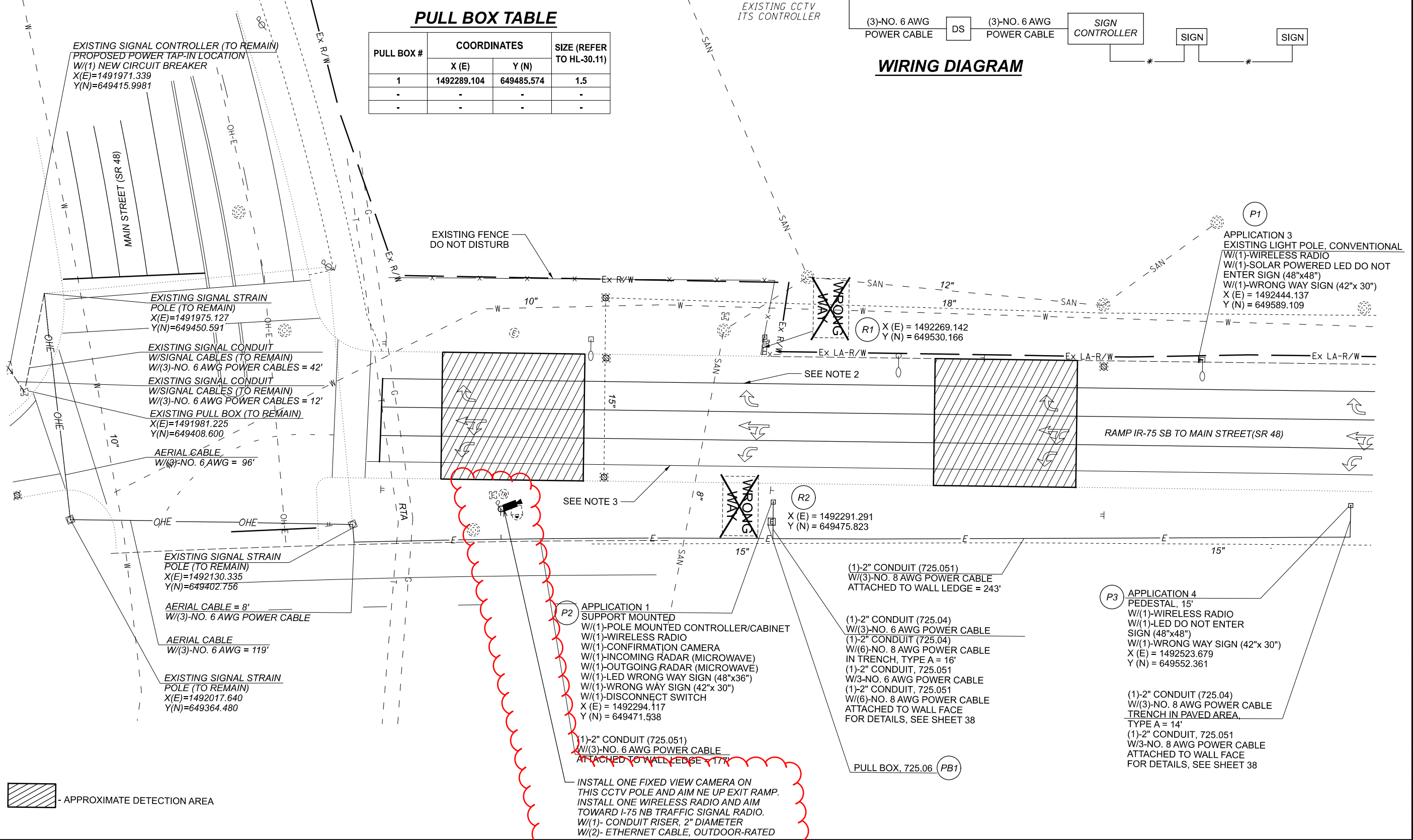
- \* - (3)-NO. 8 AWG
- DS - DISCONNECT SWITCH



**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1492289.104	649485.574	1.5
-	-	-	-
-	-	-	-

**WIRING DIAGRAM**



- EXISTING SIGNAL CONTROLLER (TO REMAIN)  
PROPOSED POWER TAP-IN LOCATION  
W/(1) NEW CIRCUIT BREAKER  
X(E)=1491971.339  
Y(N)=649415.9981
- EXISTING SIGNAL STRAIN POLE (TO REMAIN)  
X(E)=1491975.127  
Y(N)=649450.591
- EXISTING SIGNAL CONDUIT W/SIGNAL CABLES (TO REMAIN)  
W/(3)-NO. 6 AWG POWER CABLES = 42'
- EXISTING SIGNAL CONDUIT W/SIGNAL CABLES (TO REMAIN)  
W/(3)-NO. 6 AWG POWER CABLES = 12'
- EXISTING PULL BOX (TO REMAIN)  
X(E)=1491981.225  
Y(N)=649408.600
- AERIAL CABLE  
W/(3)-NO. 6 AWG = 96'
- EXISTING SIGNAL STRAIN POLE (TO REMAIN)  
X(E)=1492130.335  
Y(N)=649402.756
- AERIAL CABLE = 8'  
W/(3)-NO. 6 AWG POWER CABLE
- AERIAL CABLE  
W/(3)-NO. 6 AWG = 119'
- EXISTING SIGNAL STRAIN POLE (TO REMAIN)  
X(E)=1492017.640  
Y(N)=649364.480

- P2 APPLICATION 1  
SUPPORT MOUNTED  
W/(1)-POLE MOUNTED CONTROLLER/CABINET  
W/(1)-WIRELESS RADIO  
W/(1)-CONFIRMATION CAMERA  
W/(1)-INCOMING RADAR (MICROWAVE)  
W/(1)-OUTGOING RADAR (MICROWAVE)  
W/(1)-LED WRONG WAY SIGN (48"x36")  
W/(1)-WRONG WAY SIGN (42"x30")  
W/(1)-DISCONNECT SWITCH  
X (E) = 1492294.117  
Y (N) = 649471.538

- (1)-2" CONDUIT (725.051)  
W/(3)-NO. 6 AWG POWER CABLE  
ATTACHED TO WALL LEDGE = 177'
- INSTALL ONE FIXED VIEW CAMERA ON THIS CCTV POLE AND AIM NE UP EXIT RAMP. INSTALL ONE WIRELESS RADIO AND AIM TOWARD I-75 NB TRAFFIC SIGNAL RADIO.  
W/(1)- CONDUIT RISER, 2" DIAMETER  
W/(2)- ETHERNET CABLE, OUTDOOR-RATED

- (1)-2" CONDUIT (725.051)  
W/(3)-NO. 8 AWG POWER CABLE  
ATTACHED TO WALL LEDGE = 243'

- (1)-2" CONDUIT (725.04)  
W/(3)-NO. 6 AWG POWER CABLE  
(1)-2" CONDUIT (725.04)  
W/(6)-NO. 8 AWG POWER CABLE IN TRENCH, TYPE A = 16'  
(1)-2" CONDUIT, 725.051  
W/3-NO. 6 AWG POWER CABLE  
(1)-2" CONDUIT, 725.051  
W/(6)-NO. 8 AWG POWER CABLE ATTACHED TO WALL FACE  
FOR DETAILS, SEE SHEET 38

- P3 APPLICATION 4  
PEDESTAL, 15'  
W/(1)-WIRELESS RADIO  
W/(1)-LED DO NOT ENTER SIGN (48"x48")  
W/(1)-WRONG WAY SIGN (42"x30")  
X (E) = 1492523.679  
Y (N) = 649552.361

- (1)-2" CONDUIT (725.04)  
W/(3)-NO. 8 AWG POWER CABLE  
TRENCH IN PAVED AREA  
TYPE A = 14'  
(1)-2" CONDUIT, 725.051  
W/3-NO. 8 AWG POWER CABLE  
ATTACHED TO WALL FACE  
FOR DETAILS, SEE SHEET 38



**TRAFFIC CONTROL PLAN - LOCATION 14  
IR 75 SB AT SR 48 (MAIN STREET)**

DESIGN AGENCY	<b>Mead &amp; Hunt</b>
CLIENT	
DESIGNER	DAD
REVIEWER	DLW
DATE	01/05/22
PROJECT ID	113782
SHEET	TOTAL
P.28	38

MOT-75-VAR  
 MODEL: I13782\_TP04 PAPER SIZE: 11x17 (in.) DATE: 5/31/2022 TIME: 11:40:09 AM USER: I670dlw  
 X:\4012500\200536\_01\112347\_VAR-STW Safety Design 2020-10\113782\_MOT-75-VAR-400-Engineering\Tr-offic Sheets\113782\_TP04.dgn

**LOCATION 16**

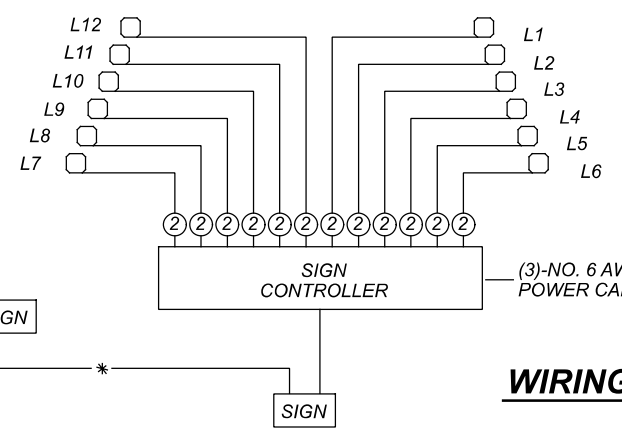


**TRAFFIC CONTROL PLAN - LOCATION 16  
 IR-75 SB AT STANLEY AVENUE**

DESIGN AGENCY	<b>Mead &amp; Hunt</b>
CLIENT	
DESIGNER	DAD
REVIEWER	DLW 01/05/22
PROJECT ID	113782
SHEET	P.30
TOTAL	38

**WIRING DIAGRAM LEGEND**

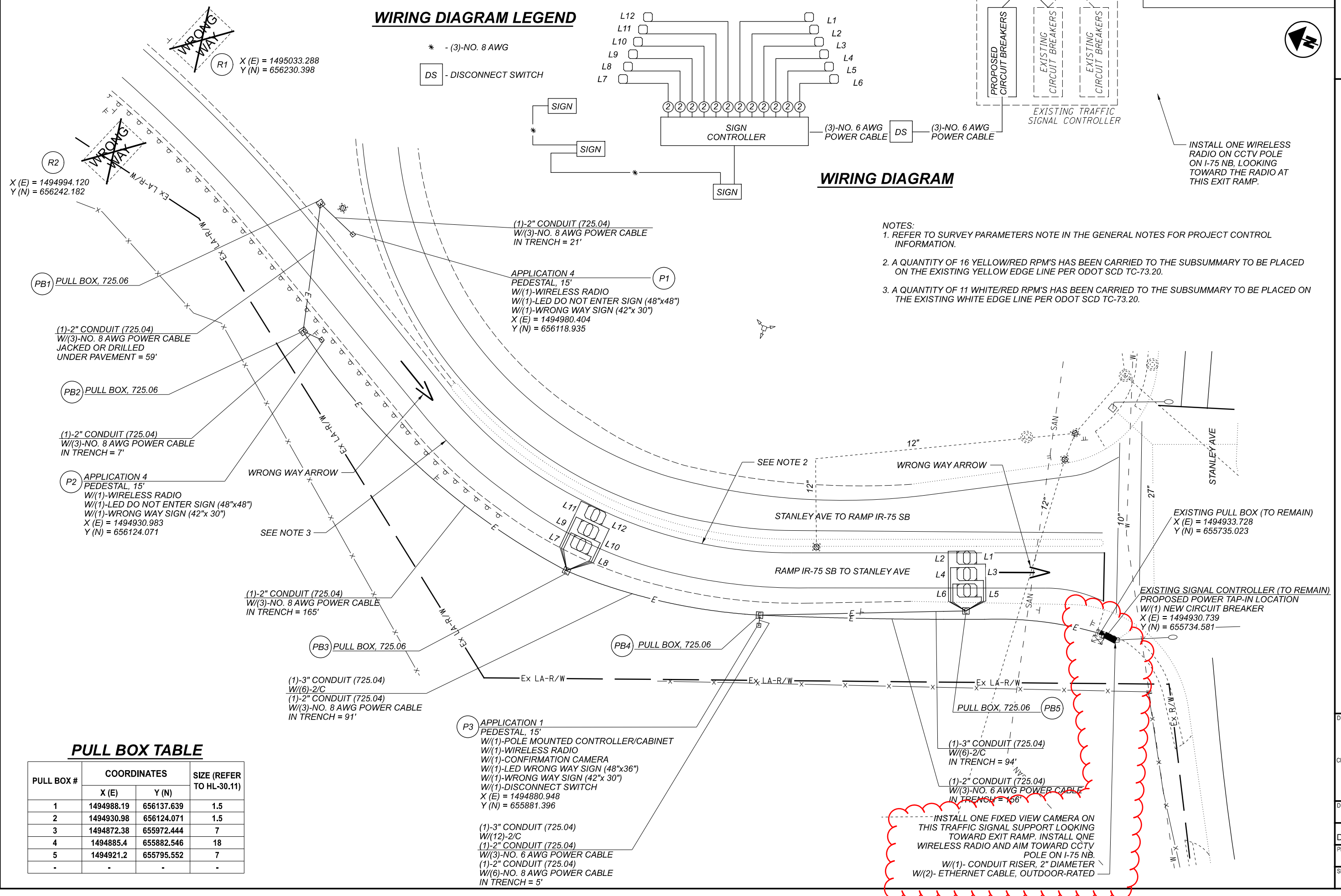
- \* - (3)-NO. 8 AWG
- DS - DISCONNECT SWITCH



**WIRING DIAGRAM**

- NOTES:
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 16 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING YELLOW EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.

INSTALL ONE WIRELESS RADIO ON CCTV POLE ON I-75 NB, LOOKING TOWARD THE RADIO AT THIS EXIT RAMP.



**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1494988.19	656137.639	1.5
2	1494930.98	656124.071	1.5
3	1494872.38	655972.444	7
4	1494885.4	655882.546	18
5	1494921.2	655795.552	7
-	-	-	-

P3 APPLICATION 1 PEDESTAL, 15'  
 W/(1)-POLE MOUNTED CONTROLLER/CABINET  
 W/(1)-WIRELESS RADIO  
 W/(1)-CONFIRMATION CAMERA  
 W/(1)-LED WRONG WAY SIGN (48"x36")  
 W/(1)-WRONG WAY SIGN (42"x 30")  
 W/(1)-DISCONNECT SWITCH  
 X (E) = 1494880.948  
 Y (N) = 655881.396

(1)-3" CONDUIT (725.04)  
 W/(12)-2/C  
 (1)-2" CONDUIT (725.04)  
 W/(3)-NO. 6 AWG POWER CABLE  
 (1)-2" CONDUIT (725.04)  
 W/(6)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 5'

INSTALL ONE FIXED VIEW CAMERA ON THIS TRAFFIC SIGNAL SUPPORT LOOKING TOWARD EXIT RAMP. INSTALL ONE WIRELESS RADIO AND AIM TOWARD CCTV POLE ON I-75 NB.  
 W/(1)- CONDUIT RISER, 2" DIAMETER  
 W/(2)- ETHERNET CABLE, OUTDOOR-RATED

EXISTING SIGNAL CONTROLLER (TO REMAIN)  
 PROPOSED POWER TAP-IN LOCATION  
 W/(1) NEW CIRCUIT BREAKER  
 X (E) = 1494930.739  
 Y (N) = 655734.581

EXISTING PULL BOX (TO REMAIN)  
 X (E) = 1494933.728  
 Y (N) = 655735.023

(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 165'

(1)-3" CONDUIT (725.04)  
 W/(6)-2/C  
 (1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 91'

(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 7'

(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 JACKED OR DRILLED UNDER PAVEMENT = 59'

(1)-2" CONDUIT (725.04)  
 W/(3)-NO. 8 AWG POWER CABLE  
 IN TRENCH = 21'

APPLICATION 4 PEDESTAL, 15'  
 W/(1)-WIRELESS RADIO  
 W/(1)-LED DO NOT ENTER SIGN (48"x48")  
 W/(1)-WRONG WAY SIGN (42"x 30")  
 X (E) = 1494980.404  
 Y (N) = 656118.935

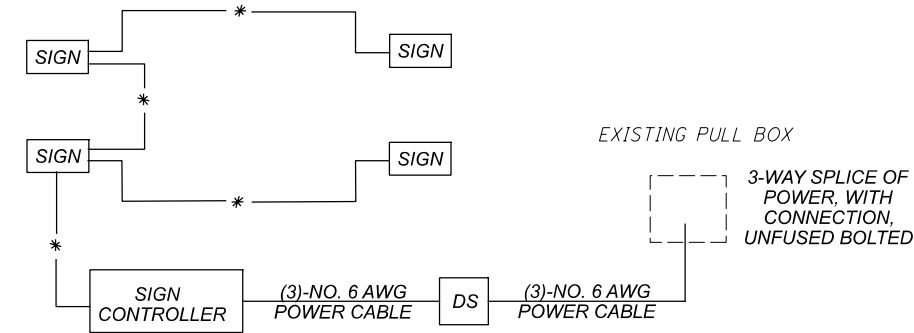
R2 X (E) = 1494994.120  
 Y (N) = 656242.182

R1 X (E) = 1495033.288  
 Y (N) = 656230.398

- NOTES:
1. REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  2. A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  3. A QUANTITY OF 2 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  4. A QUANTITY OF 1 YELLOW/RED RPM HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.
  5. A QUANTITY OF 6 YELLOW/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE YELLOW EDGE LINE EVENLY BETWEEN EXISTING RPM'S PER ODOT SCD TC-73.20.

**WIRING DIAGRAM LEGEND**

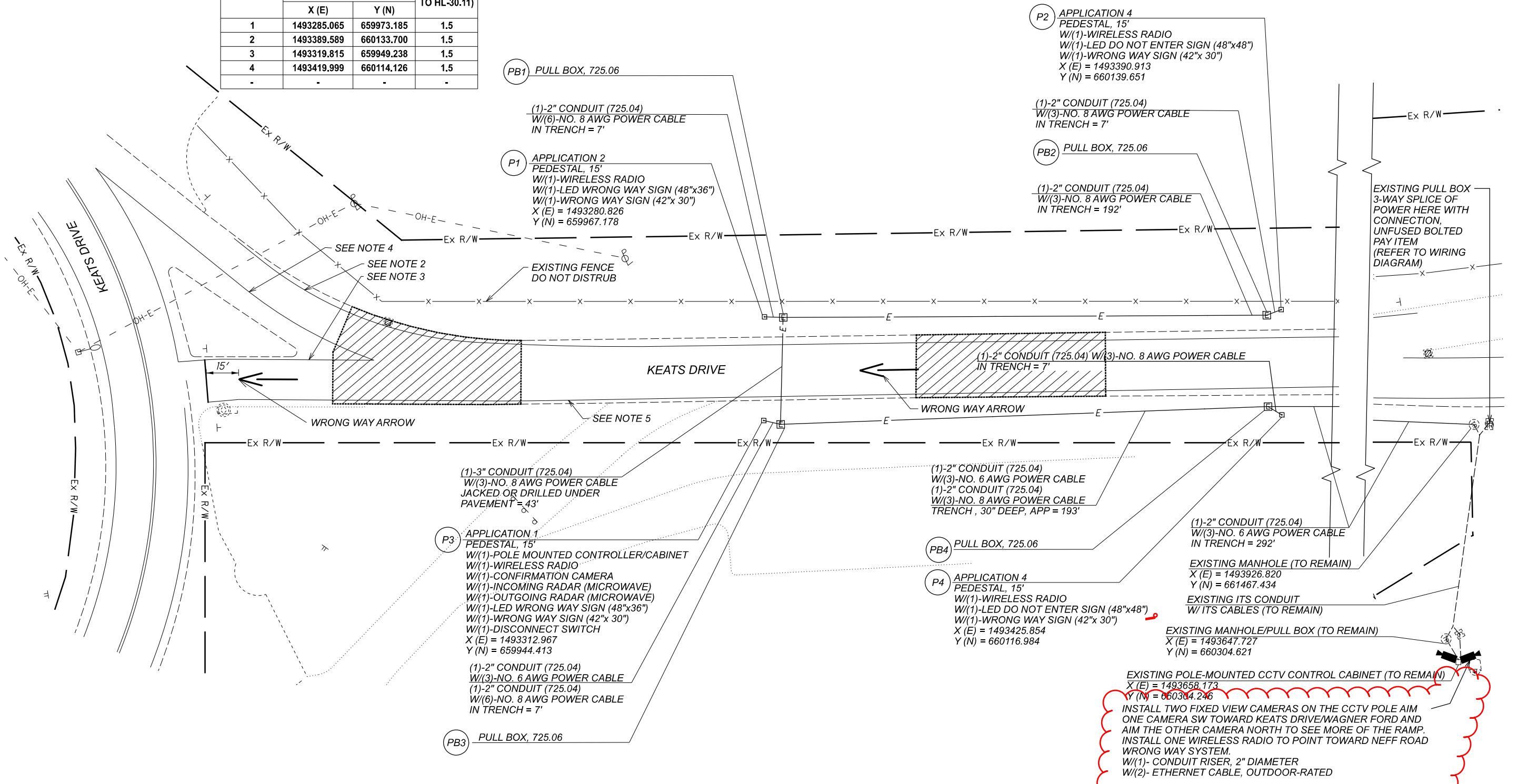
- \* - (3)-NO. 8 AWG
- DS - DISCONNECT SWITCH
- [Hatched Box] - APPROXIMATE DETECTION AREA



**WIRING DIAGRAM**

**PULL BOX TABLE**

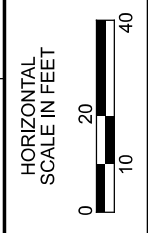
PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1493285.065	659973.185	1.5
2	1493389.589	660133.700	1.5
3	1493319.815	659949.238	1.5
4	1493419.999	660114.126	1.5
-	-	-	-



EXISTING POLE-MOUNTED CCTV CONTROL CABINET (TO REMAIN)  
X (E) = 1493658.173  
Y (N) = 660304.246  
INSTALL TWO FIXED VIEW CAMERAS ON THE CCTV POLE AIM ONE CAMERA SW TOWARD KEATS DRIVE/WAGNER FORD AND AIM THE OTHER CAMERA NORTH TO SEE MORE OF THE RAMP. INSTALL ONE WIRELESS RADIO TO POINT TOWARD NEFF ROAD WRONG WAY SYSTEM.  
W/(1)- CONDUIT RISER, 2" DIAMETER  
W/(2)- ETHERNET CABLE, OUTDOOR-RATED



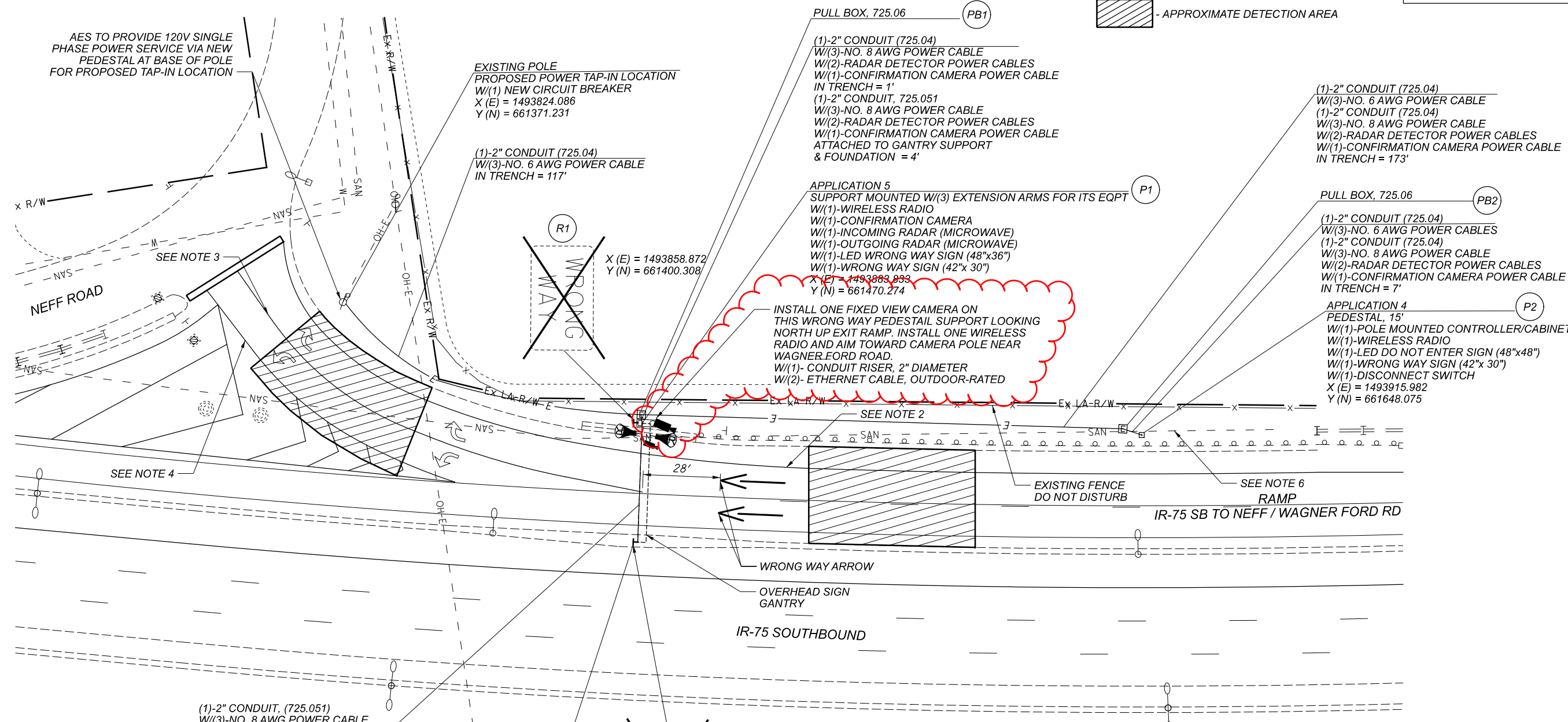




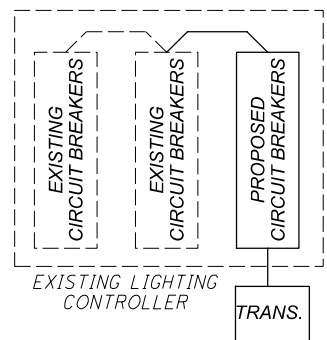
DESIGN AGENCY	Mead & Hunt
CLIENT	
DESIGNER	DAD
REVIEWER	DLW 01/05/22
PROJECT ID	113782
SHEET	TOTAL
P.32	38

MOT-75-VAR

MODEL: TPO08 [SHEET] PAPER SIZE: 17x11 (in.) DATE: 5/3/2022 TIME: 10:44:17 AM USER: 1670dlw  
X:\402500\200536\0112347\_VAR-STW\_Safety\_Design\_2020-10\113782\_MOT-75-VAR\400-Engineering\Traffic\Sheets\113782\_TPO08.dgn

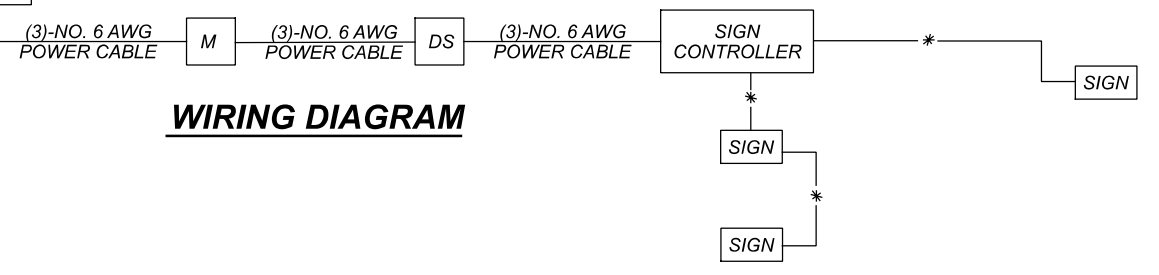


- NOTES:**
- REFER TO SURVEY PARAMETERS NOTE IN THE GENERAL NOTES FOR PROJECT CONTROL INFORMATION.
  - A QUANTITY OF 11 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 4 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE LANE LINE PER ODOT SCD TC-73.20.
  - A QUANTITY OF 3 WHITE/RED RPM'S HAS BEEN CARRIED TO THE SUBSUMMARY TO BE PLACED ON THE EXISTING WHITE EDGE LINE PER ODOT SCD TC-73.20
  - ALL NEW CONDUIT ATTACHED TO THE OVERHEAD SIGN GANTRY SHALL BE PAID FOR UNDER ITEM 630 SIGNING MISC.; SERVICE ROUTING VIA EXISTING STRUCTURES.
  - CONTRACTOR SHALL ENSURE TRENCHING ACTIVITY KEEPS ABOVE 3.5' TO AVOID CONFLICT WITH EXISTING 24" SANITARY PIPE.



**WIRING DIAGRAM LEGEND**

- \* - (3)-NO. 8 AWG
- DS - DISCONNECT SWITCH
- TRANS. - STEP DOWN TRANSFORMER (INCLUDED IN PAYMENT FOR POWER SOURCE)



**WIRING DIAGRAM**

**PULL BOX TABLE**

PULL BOX #	COORDINATES		SIZE (REFER TO HL-30.11)
	X (E)	Y (N)	
1	1493880.896	661470.984	1.5
2	1493912.756	661641.609	1.5
-	-	-	-
-	-	-	-