

	A	B	C	D
1	Detroit Rd. Intersection	Radar Detection	Loop Detection	
2	254 and 83	Yes	Yes	
3	254 and Avon Commons Blvd (west)	None	Yes	
4	254 and Middleton	Yes	Yes	
5	254 and Jaycox	Yes	Yes	
6	254 and Fire Station	None	None	
7	254 and Ridgeland	None	Yes	
8	254 and French Creek Square	None	Yes	
9	254 and Heritage	None	Yes	
10	254 and Healthway	Yes	Yes	
11	254 and Clifton Way/Garden	None	Yes	
12	254 and 611	Yes	Yes	
13	254 and French Creek Road	None	Yes	
14	254 and Case	None	Yes	
15	254 and Nagel	None	Yes	
16				
17	<i>Intersections without radar may require timing adjustments while loops are out of service.</i>			

PED SIGNS

NOTE: THIS SHEET SUPERSEDES ALL SHEETS DATED ON OR BEFORE 4/20/00

TO CROSS
DETROIT RD.
PUSH BUTTON
WAIT FOR
WALK SIGNAL

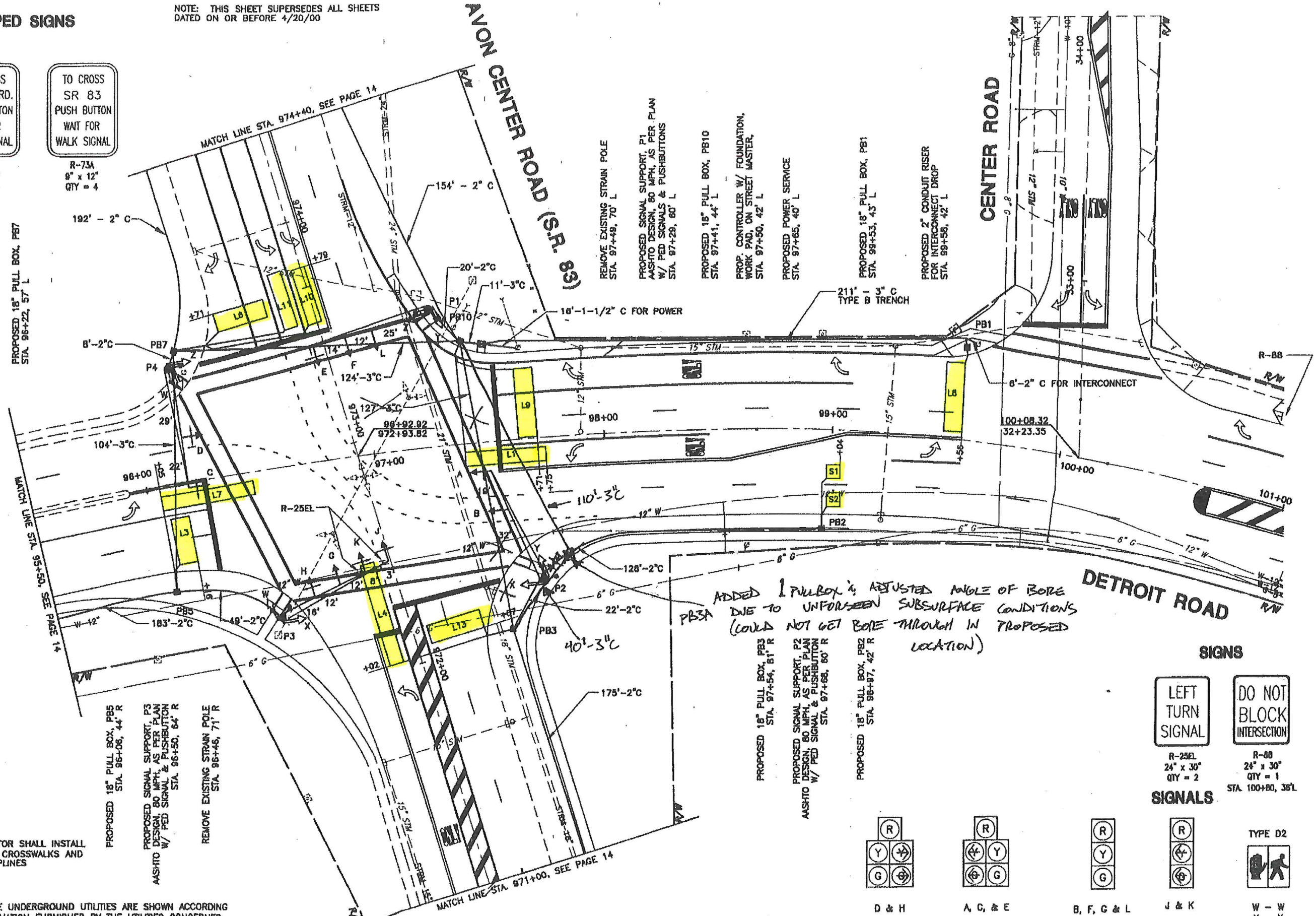
TO CROSS
SR 83
PUSH BUTTON
WAIT FOR
WALK SIGNAL

R-73A
9" x 12"
QTY = 4

R-73A
9" x 12"
QTY = 4

PROPOSED SIGNAL SUPPORT, P4
ASHTO DESIGN, 80 MPH, AS PER PLAN
W/ PED SIGNALS & PUSHBUTTONS
STA. 96+18, 50' L

PROPOSED 18" PULL BOX, PB7
STA. 96+22, 57' L



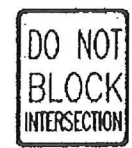
CONTRACTOR SHALL INSTALL ALL NEW CROSSWALKS AND AND STOPLINES

THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.

SIGNS

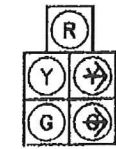


R-25EL
24" x 30"
QTY = 2

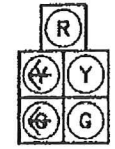


R-80
24" x 30"
QTY = 1
STA. 100+80, 38'L

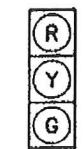
SIGNALS



D & H



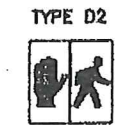
A, C, & E



B, F, G & L



J & K



TYPE D2

W - W
X - X
Y - Y
Z - Z

ALL HEADS ARE 12" POLYCARBONATE

TRAFFIC CONTROL PLAN
DETROIT ROAD (S.R. 254) AND AVON CENTER ROAD (S.R. 83)

LORAIN COUNTY
CITY OF AVON

17
24

NOTE: THIS SHEET SUPERSEDES ALL SHEETS
DATED ON OR BEFORE 4/20/00

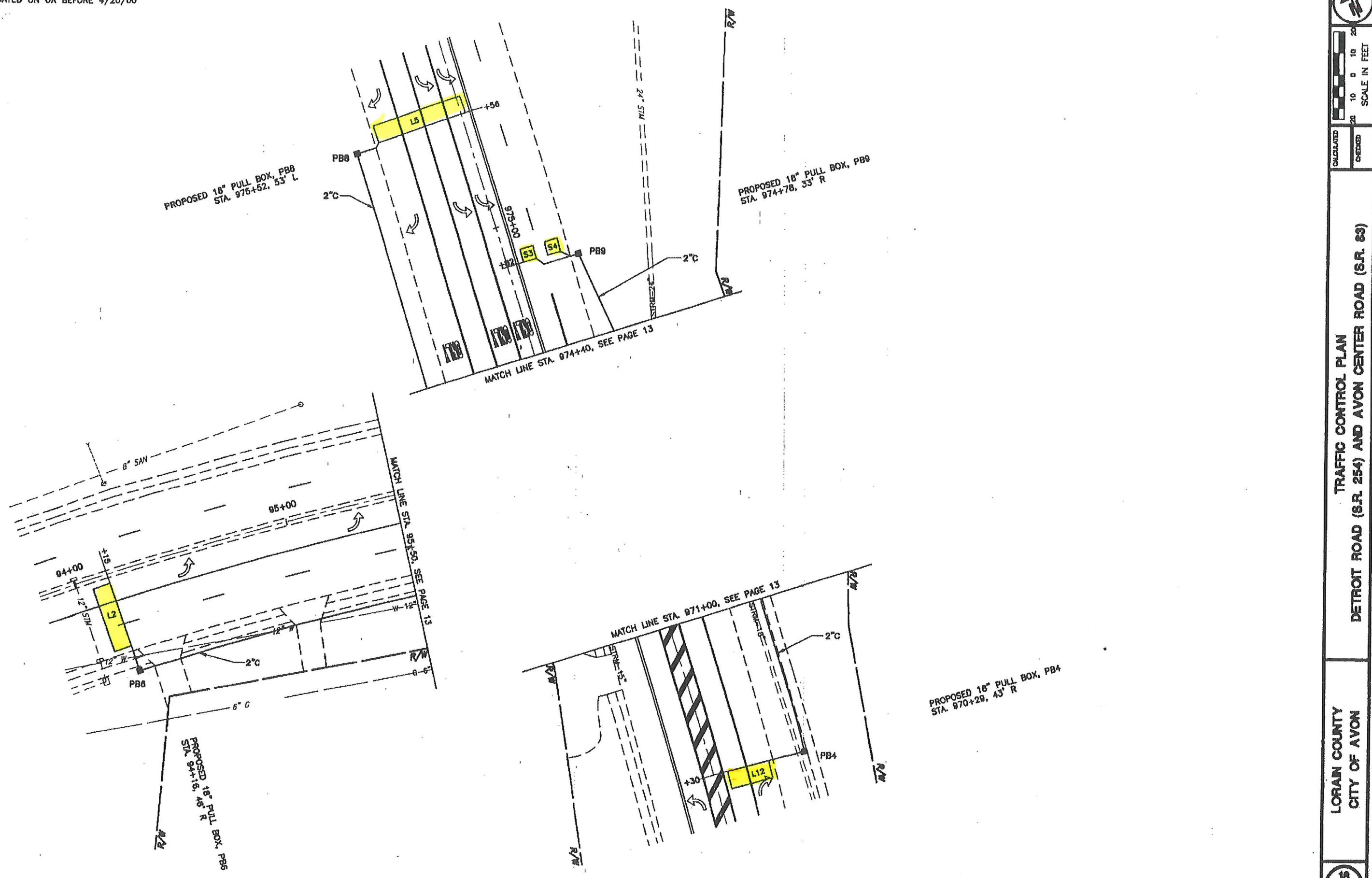


CALCULATED
CHECKED

TRAFFIC CONTROL PLAN
DETROIT ROAD (S.R. 254) AND AVON CENTER ROAD (S.R. 63)

LORAIN COUNTY
CITY OF AVON

16
24



NOTE: THIS SHEET SUPERSEDES ALL SHEETS DATED ON OR BEFORE 4/20/00

PED SIGNS

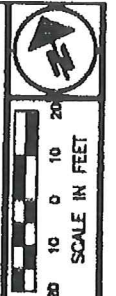
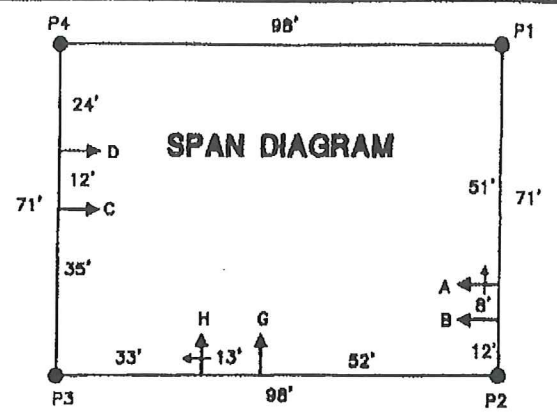


R-73A
0' x 12"
QTY = 2



R-73A
0' x 12"
QTY = 2

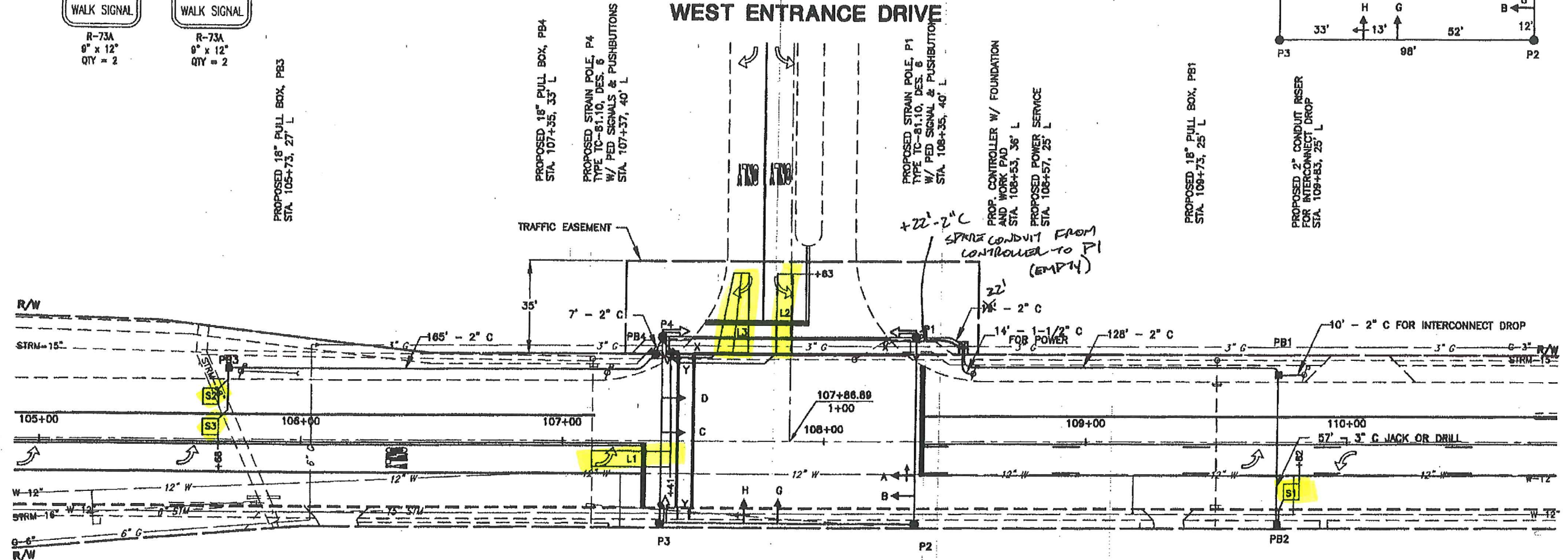
AVON COMMONS WEST ENTRANCE DRIVE



TRAFFIC CONTROL PLAN
DETROIT ROAD AND AVON COMMONS WEST ENTRANCE DRIVE

LORAN COUNTY
CITY OF AVON

21
34



DETROIT ROAD

ORIGINAL

THE CONTRACTOR SHALL INSTALL ALL CROSSWALKS AND STOP LINES

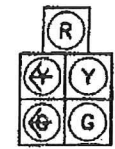
THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.

PROPOSED STRAIN POLE, P3
TYPE TC-81.10, DES. 6
W/ PED SIGNAL & PUSHBUTTON
STA. 107+37, 31' R

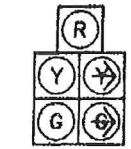
PROPOSED STRAIN POLE, P2
TYPE TC-81.10, DES. 6
STA. 108+35, 31' R

PROPOSED 18" PULL BOX, PB2
STA. 108+73, 31' R

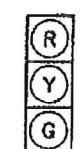
SIGNALS



A



H



B, C, D, & G



TYPE D2

X - X
Y - Y

ALL HEADS ARE 12" POLYCARBONATE

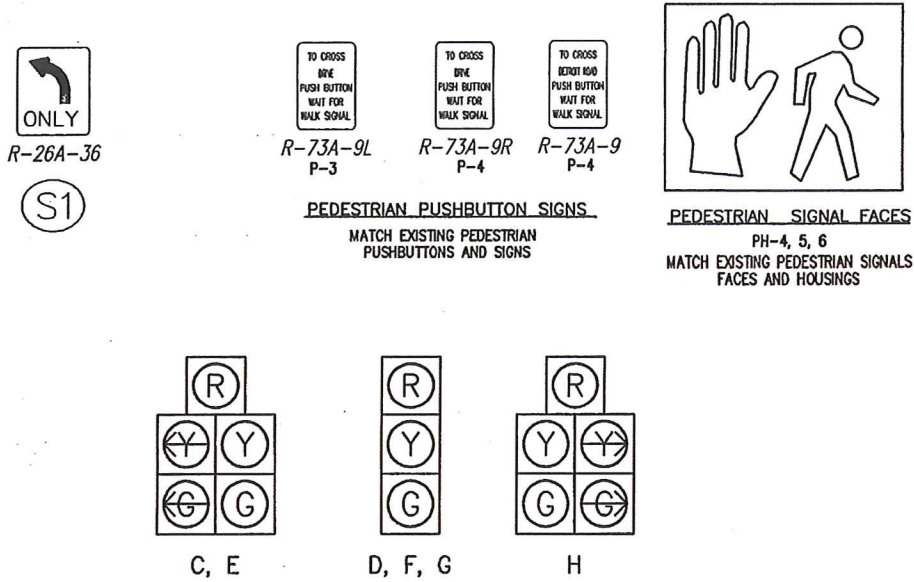
S.R. 254 (DETROIT RD.) AT AVON COMMONS DR. AND CITY CENTRE (EAST ENTRANCE)

DETECTOR LOOP CHART

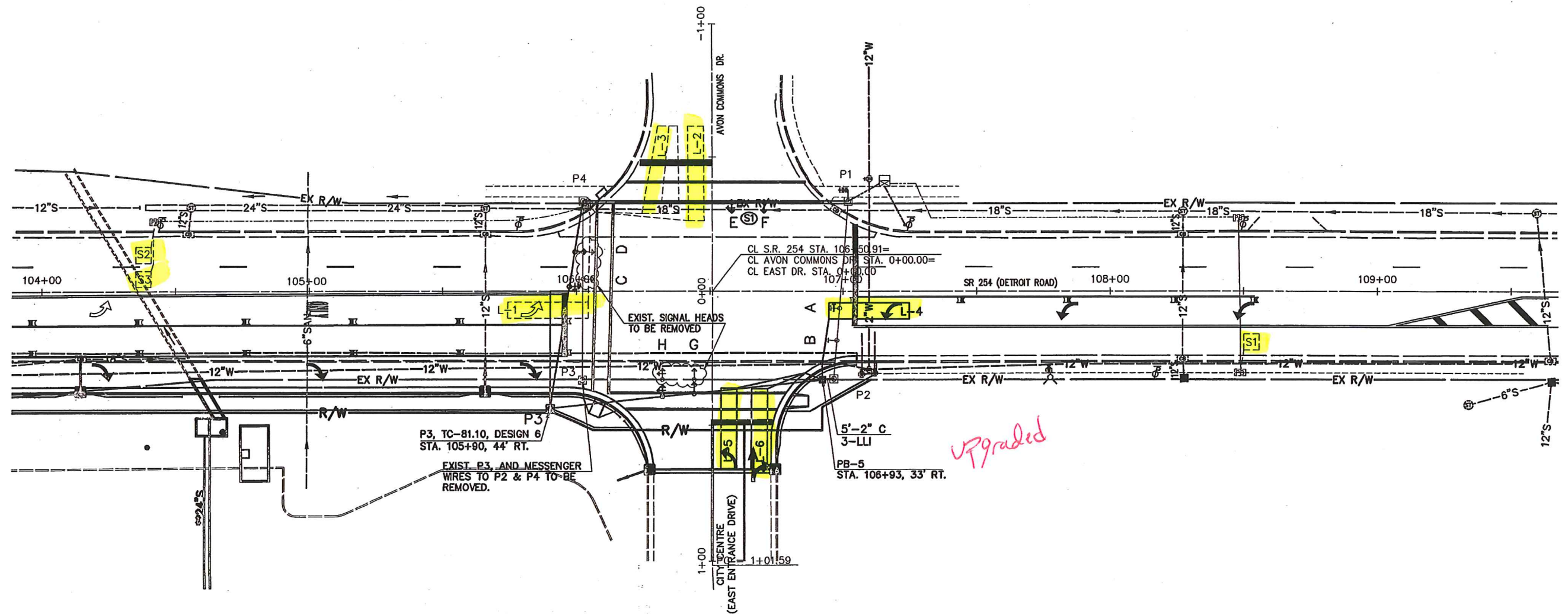
	LOOP	SIZE	CONNECT TO PHASE	PRESENCE/PULSE	DELAY (SEC.)	DETECTOR UNIT	LABEL	
EX.	S1	6'x6'	SYSTEM	PULSE		1	EB	COUNT
EX.	S2	6'x6'	SYSTEM	PULSE		2	WB	COUNT
EX.	S3	6'x6'	SYSTEM	PULSE		3	WB	COUNT
EX.	L-1	6'x30'	5	PRESENCE		4	EB-L	
EX.	L-2	6'x30'	4	PRESENCE	3*	5	SB-L	
EX.	L-3	8'x12x30'	4	PRESENCE	10*	6	SB-R	
	L-4	6'x30'	1	PRESENCE	10*	7	WB-L	
	L-5	6'x30'	3	PRESENCE	10*	8	NB-L	
	L-6	6'x30'	8	PRESENCE	10*	9	NB	

* INHIBIT DELAY DURING ASSOCIATED PHASE GREEN INTERVAL.

- LEGEND**
- STRAIN POLE
 - 3 LENS, 1-WAY, SIGNAL HEAD
 - 5 LENS, 1-WAY, SIGNAL HEAD
 - EXISTING LOOP
 - NEW LOOP
 - EX. PULL BOX
 - NEW PULL BOX, 18" CONCRETE (U.N.O.)
 - PEDESTRIAN PUSHBUTTON
 - PEDESTRIAN SIGNAL HEAD
 - PEDESTRIAN CROSSING SIGN
 - EXISTING UTILITY POLE
 - EXISTING CONDUIT
 - NEW CONDUIT (2", 725.05 UNLESS NOTED OTHERWISE)
- NOTE: ALL CONDUCTORS ARE #14 AWG EXCEPT AS NOTED.



TYPICAL SIGNAL HEADS
ALL 12" ALUMINUM w/ LED LAMPS



SIGNAL PLAN

SIGNAL PLAN
S.R. 254 / CITY CENTRE ACCESS DRIVE

HORIZONTAL SCALE IN FEET
0 10 20 40

IMPROVEMENT PLANS
S.R. 254

CALCULATED	MEMO	CHECKED	DLT
------------	------	---------	-----

20
24

PEDESTRIAN PUSHBUTTON SIGNS



R10-3e(L)
9" x 15"
QUANTITY = 3



R10-3e(R)
9" x 15"
QUANTITY = 3

EXISTING SIGNS TO BE REMOVED



R10-H11f
QTY = 1

*** BENCHMARK:
TOP OF HYDRANT
ELEVATION: 683.37

DA-X RADAR DETECTION AREA

* LP-1, LIGHT POLE NOTES:
PROPOSED LIGHT POLE SHALL BE ALUMINUM WITH BLACK COATING PER SUPPLEMENTAL SPECIFICATION 916.
LP-1, LUMINAIRE NOTES:
LUMINAIRE SHALL MATCH THE EXISTING LUMINAIRES ALONG THE EAST SIDE OF MIDDLETON DRIVE JUST NORTH OF THE INTERSECTION.

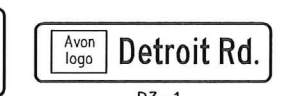
PROPOSED INTERNALLY ILLUMINATED STREET NAME SIGNS



D3-1
108" x 30"
QTY=1



D3-1
108" x 30"
QTY=1



D3-1
84" x 20"
QTY=2

SCALE IN FEET (HORIZONTAL)

STATE OF OHIO
MICHAEL W. SCHWEICKART
Professional Engineer
No. 58935
Exp. 06/30/2018

NO.	REVISIONS	DATE	BY
1	STREETLIGHT MODIFICATIONS	07/16/18	JAT
2	ADDRESS CUE COMMENTS	05/07/18	JAT
3	ADDRESS CUE COMMENTS	05/07/18	JAT
4	ADDRESS CUE COMMENTS	04/17/18	JAT

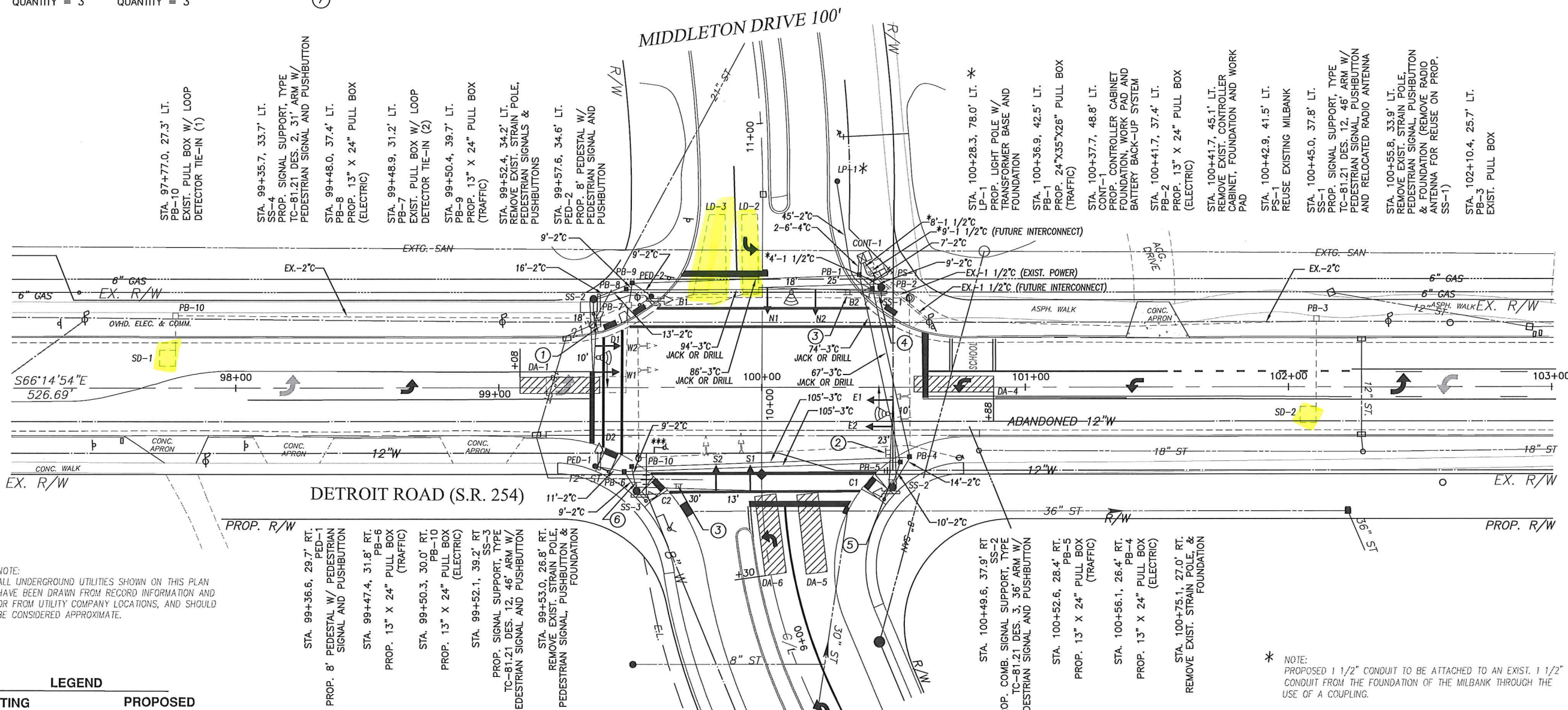
NO.	REVISIONS	DATE	BY
1	STREETLIGHT MODIFICATIONS	07/16/18	JAT
2	ADDRESS CUE COMMENTS	05/07/18	JAT
3	ADDRESS CUE COMMENTS	05/07/18	JAT
4	ADDRESS CUE COMMENTS	04/17/18	JAT

TMS ENGINEERS INC.
2112 CAGE PARKWAY SOUTH, UNIT 7
TWINBURG, OHIO 44097
(330) 686-6402 (330) 686-6417 FAX

CITY OF AVON, OHIO
DETROIT ROAD (S.R. 254) AND
MIDDLETON DR./SETON DR.
SIGNAL IMPROVEMENT PLAN

03-13-18
18-043

T8 OF T12



NOTE:
ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN DRAWN FROM RECORD INFORMATION AND OR FROM UTILITY COMPANY LOCATIONS, AND SHOULD BE CONSIDERED APPROXIMATE.

* NOTE:
PROPOSED 1 1/2" CONDUIT TO BE ATTACHED TO AN EXIST. 1 1/2" CONDUIT FROM THE FOUNDATION OF THE MILBANK THROUGH THE USE OF A COUPLING.

To BE Completed
2019

LEGEND

EXISTING	PROPOSED

PROPOSED SIGNS

R9-3a
18" x 18"
QTY = 1

R9-3b
18" x 12"
QTY = 1

R10-H11f
36" x 54"
QTY = 1

PROPOSED SIGNALS

TYPE D2
COUNT DOWN TYPE

B1 - B2
C1 - C2
D1 - D2

WI & E1 NI, N2, S1, S2, E2 & W2

ALL HEADS ARE 12" WITH LED LAMP UNITS
VEHICLE SIGNALS SHALL HAVE BLACK BACKPLATES
W/ YELLOW REFLECTIVE BORDER.

NOTE: THIS SHEET SUPERSEDES ALL SHEETS DATED ON OR BEFORE 4/20/00

PED SIGNS



R-73A
9" x 12"
QTY = 4



R-73A
9" x 12"
QTY = 4

REMOVE EXISTING STOP SIGN
STA. 86+28, 25' R

PROPOSED 18" PULL BOX, PB3
STA. 158+15, 26' L

PROPOSED 2" CONDUIT RISER
FOR INTERCONNECT DROP
STA. 158+22, 25' L

PROPOSED STRAIN POLE, P1
TYPE TC-81.10, DES. 6
W/ PED SIGNALS & PUSHBUTTONS
STA. 157+47, 38' L

PROPOSED 18" PULL BOX, PB1
STA. 157+48, 51' L

PROP. CONTROLLER W/ FOUNDATION
AND WORK PAD
STA. 157+53, 91' L

PROPOSED POWER SERVICE
STA. 157+55, 55' L

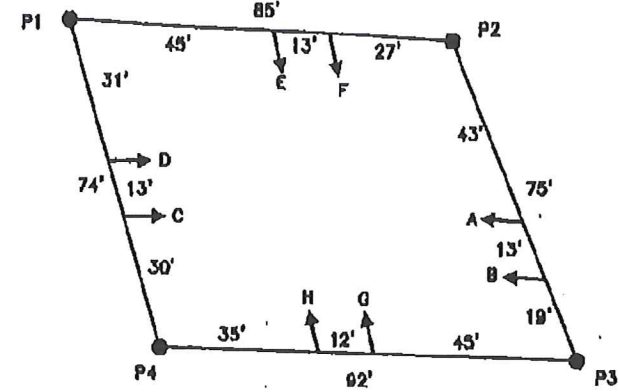
PROPOSED STRAIN POLE, P2
TYPE TC-81.10, DES. 6
W/ PED SIGNAL & PUSHBUTTON
STA. 158+37, 40' L

PROPOSED STRAIN POLE, P4
TYPE TC-81.10, DES. 6
W/ PED SIGNALS & PUSHBUTTONS
STA. 157+74, 30' R

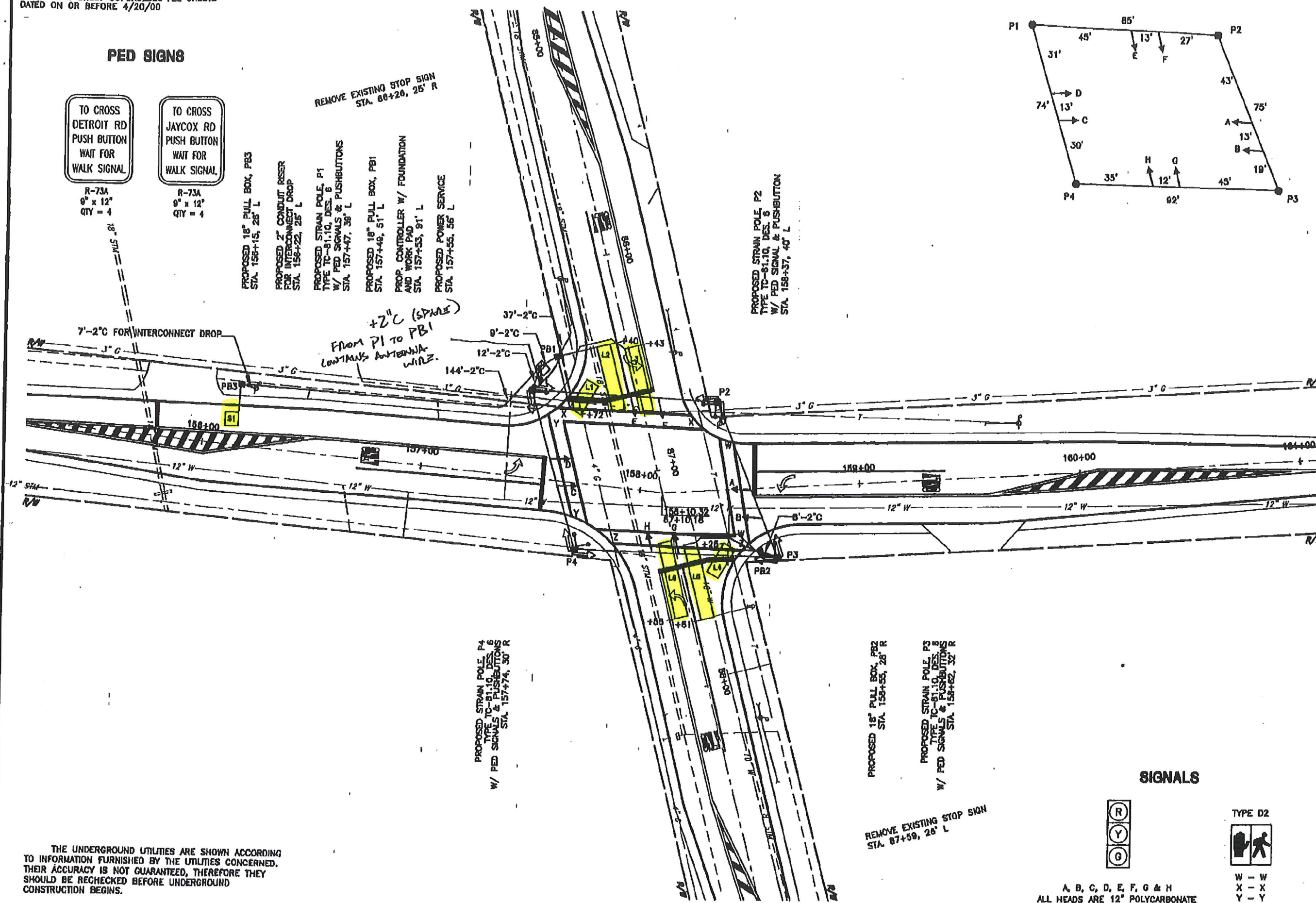
PROPOSED 18" PULL BOX, PB2
STA. 158+55, 26' R

PROPOSED STRAIN POLE, P3
TYPE TC-81.10, DES. 6
W/ PED SIGNALS & PUSHBUTTONS
STA. 158+62, 32' R

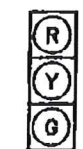
REMOVE EXISTING STOP SIGN
STA. 87+59, 26' L



SCALE IN FEET



SIGNALS



A, B, C, D, E, F, G & H
ALL HEADS ARE 12" POLYCARBONATE

TYPE D2
W - W
X - X
Y - Y
Z - Z

THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.

TRAFFIC CONTROL PLAN
DETROIT ROAD (SR 254) & JAYCOX ROAD

LORAIN COUNTY
CITY OF AVON

25
24

PED SIGNS



SPECIAL
9" x 12"
QTY = 4



SPECIAL
9" x 12"
QTY = 2

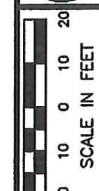
STREET SIGNS:

STREET NAME	EXISTING
DETROIT RD.	
WISTERIA WAY	

LEGEND

- NEW
- EXISTING, TO REMAIN
- EXISTING, TO BE REMOVED

- PROPOSED SIGN, SINGLE POST
- EXISTING SIGN, SINGLE POST
- EXISTING SIGN, POLE MOUNTED
- EXISTING STREET NAME SIGN, POLE MOUNTED
- EXISTING STREET NAME SIGN SUPPORT
- REMOVE PAVEMENT MARKING

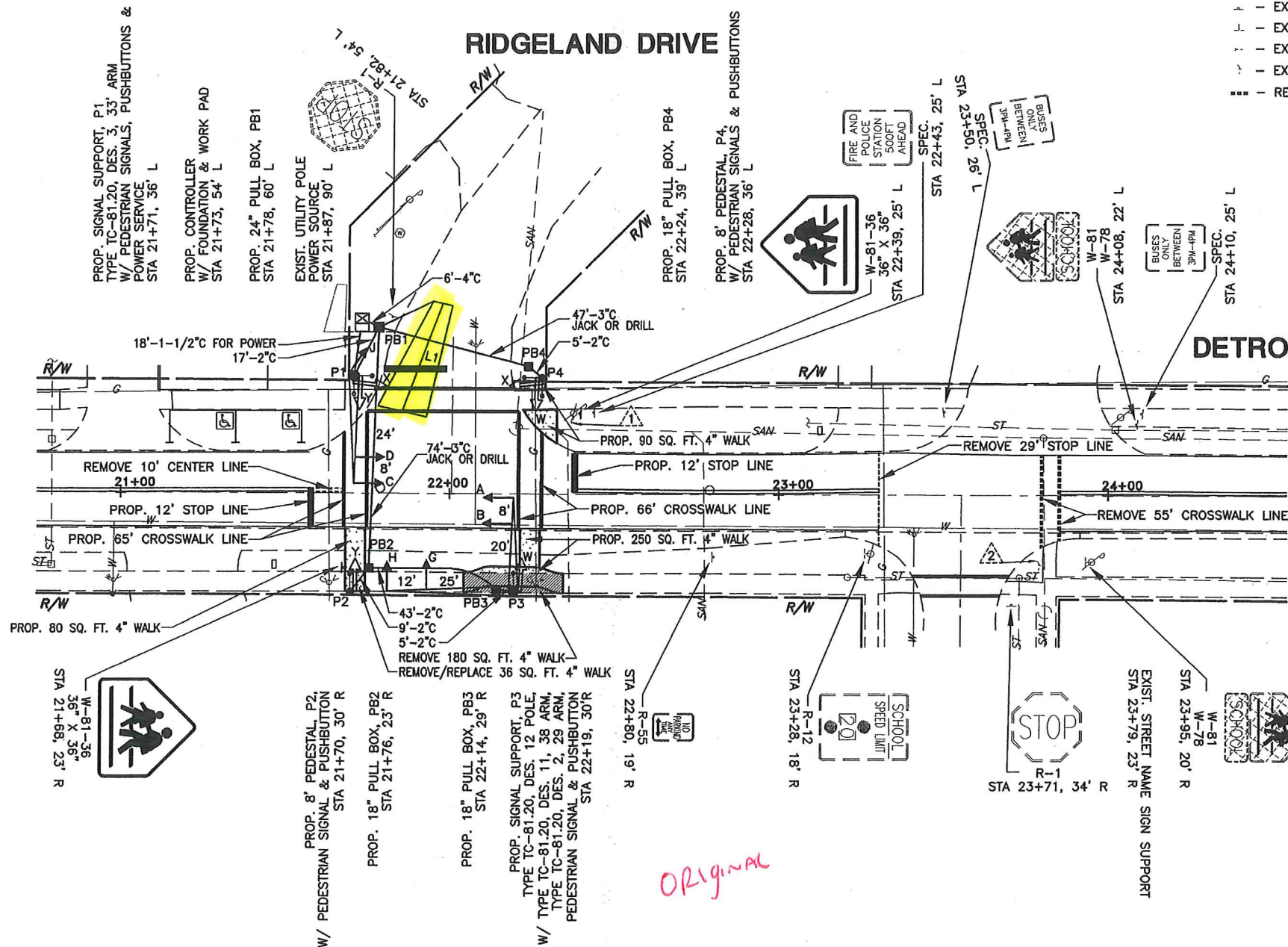


CALCULATED
MINS
CHECKED

**TRAFFIC CONTROL PLAN
DETROIT ROAD AND RIDGELAND DRIVE**

LORAIN COUNTY
CITY OF AVON

5
6



ORIGINAL

SIGNALS



A, B, C, D, G, H & J

ALL HEADS ARE 12" POLYCARBONATE
AND HAVE TUNNEL VISORS

W - W
X - X
Y - Y,
TYPE D2

THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.

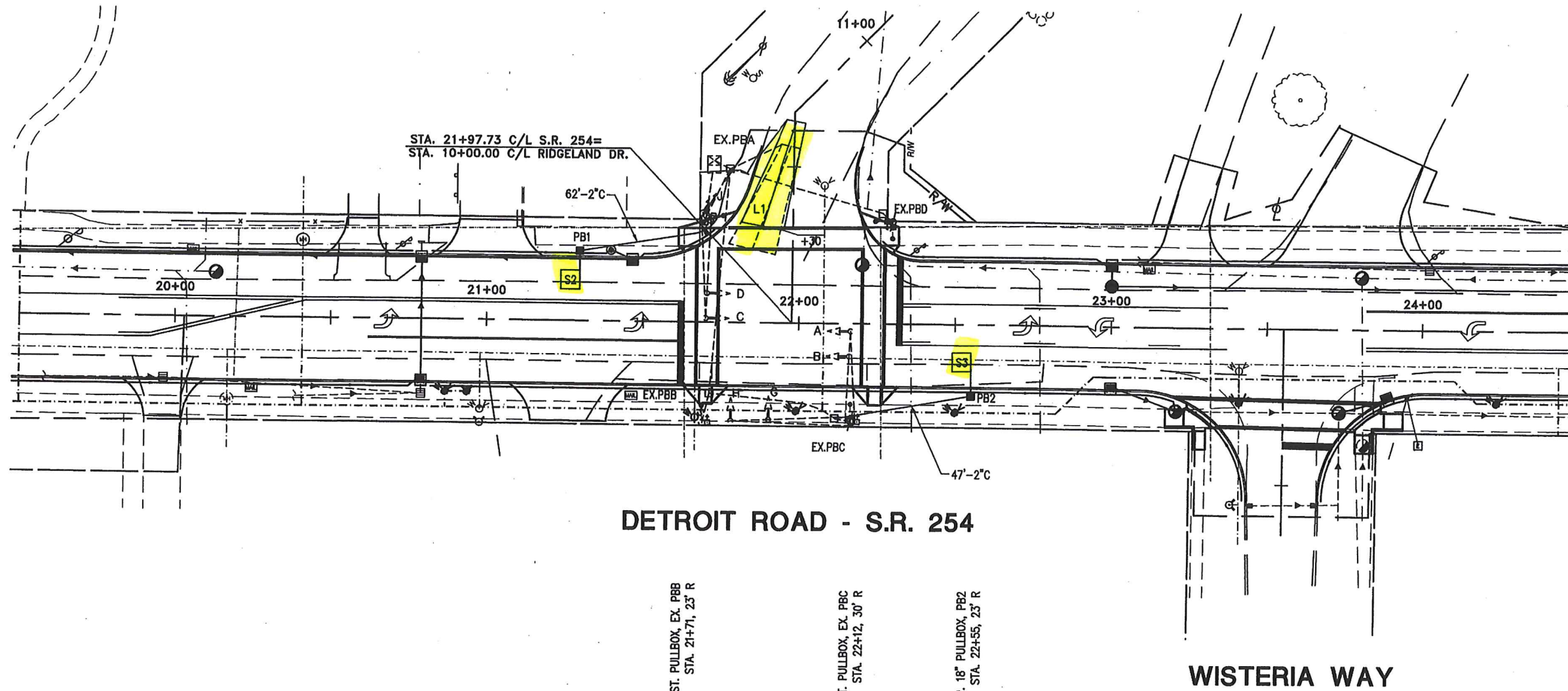
CONVENTIONAL SYMBOLS

	PROPOSED	EXISTING
EXISTING RIGHT OF WAY LINE		
CENTERLINE		
CORPORATION LINE		
FENCE LINE		
PROPERTY LINE		
PROPOSED RIGHT OF WAY LINE		
SEWER		
MANHOLE		
CATCH BASIN		
GAS		
WATER		
UTILITY POLES		
SERVICE POLE		
LOOP DETECTORS		
MAGNETOMETER DETECTORS		
SPAN WIRE SUPPORT		
CANTILEVER SUPPORT		
SIGN ON WIRE SUPPORT		
SIGN ON CANTILEVER SUPPORT		
SIGNAL HEAD, STD. 1-WAY		
PEDESTRIAN SIGNAL		
CONDUIT		
PULLBOX		
CONTROLLER CABINET		

PROP. 18" PULLBOX, PB1
STA. 21+30, 22' L

PROP. CONTROLLER MODIFICATION
STA. 21+72, 52' L

EXIST. PULLBOX, EX.PBA
STA. 21+77, 48' L



DETROIT ROAD - S.R. 254

WISTERIA WAY

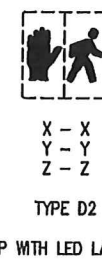
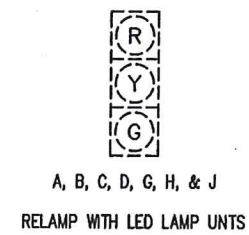
EXIST. PULLBOX, EX. PBB
STA. 21+71, 23' R

EXIST. PULLBOX, EX. PBC
STA. 22+12, 30' R

PROP. 18" PULLBOX, PB2
STA. 22+55, 23' R

Upgraded.

EXISTING SIGNALS



THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.



CALCULATED PSW
CHECKED TLR

TRAFFIC CONTROL PLAN
DETROIT ROAD (S.R. 254) AND RIDGELAND DRIVE

LOR-254-05.09
(DETROIT ROAD)

REVISION DATE: 02-22-2008 JOB NUMBER: 05-057

FOR SIGNING DETAILS SEE SHEET 10.
FOR PAVEMENT MARKING DETAILS SEE SHEET 10.

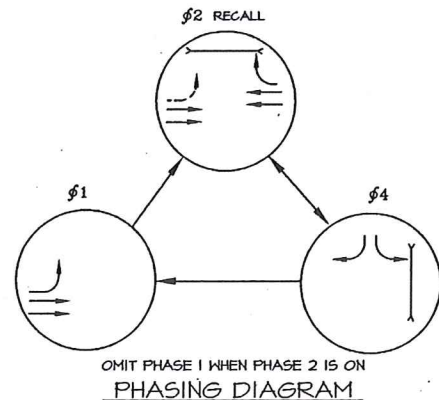
NOTE: THE POWER SERVICE SHALL RUN IN A SEPARATE CONDUIT FROM THE SOURCE TO THE CONTROLLER CABINET.

NOTE: 2-3" C SHALL RUN FROM PB2 TO CONTROLLER

NOTE: A HARD WIRE PRE-EMPT CONNECTION FROM THE FIRE STATION PUSHBUTTON TO THE NEW SIGNAL SHALL BE MADE VIA A NEW 1" CONDUIT FROM THE NEW CONTROLLER, TO AN EXISTING FULLBOX LOCATED AT STA 87+39.341, THROUGH EXISTING CONDUIT TO FULLBOX AT STA 87+43.32R, THROUGH EXISTING CONDUIT INTO FIRE STATION. (SEE SITE CIVIL DRAWINGS FOR EXISTING FULLBOX LOCATIONS)

NOTES:

1. PHASE SPLITS SHALL INCLUDE ALL GREEN PLUS YELLOW & ALL RED
2. PERMISSIVES SHALL START AT THE ZERO POINT OF THE CYCLE
3. OFFSETS SHALL BE REFERENCED TO THE BEGINNING OF PHASE 2 & 6 GREEN
4. DETROIT & AVON CENTER RD IS MASTER LOCATION, 0% OFFSET

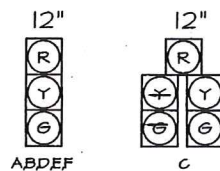


SIGNAL HEAD	phi 1		phi 2		phi 3		phi 4		FLASH	DNELL
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR		
A	R	R	G	G	Y	R				
B	R	R	G	G	Y	R				
C	R	R	G	G	Y	R				
D	G	G	G	G	Y	R				
E	R	R	R	R	R	R				
F	R	R	R	R	R	R				
W-W	DW	DW	DW	DW	DW	DW				
Y-Y	DW	DW	DW	DW	DW	DW				

SIGNAL SEQUENCE CHART

FUNCTION	phi 1	phi 2	phi 4
INITIAL	8.0		8.0
MINIMUM GREEN	-	36	-
VEHICLE EXTENSION	2.0	-	2.0
MAXIMUM GREEN	8.0	-	25
PEDESTRIAN WALK	-	5.0	5.0
PEDESTRIAN CLEARANCE	-	16	20
VEHICLE YELLOW CLEARANCE	3.0	3.0	3.0
VEHICLE ALL RED CLEARANCE	1.0	2.0	2.0
RECALL	OFF	MIN.	OFF
MEMORY	OFF	OFF	OFF

SIGNAL TIMING CHART



LED SIGNAL HEADS RIGID MOUNTED



LED PEDESTRIAN SIGNALS

STANDARD CONSTRUCTION DRAWINGS	
TC 85.20	5/1/00
TC 85.10	4/19/02
TC 83.20	5/1/00
TC 82.10	4/19/02
TC 81.20	5/1/00
TC 73.10	1/19/01
TC 71.10	4/19/02
TC21.20	1/19/01



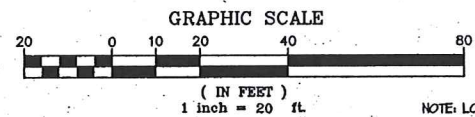
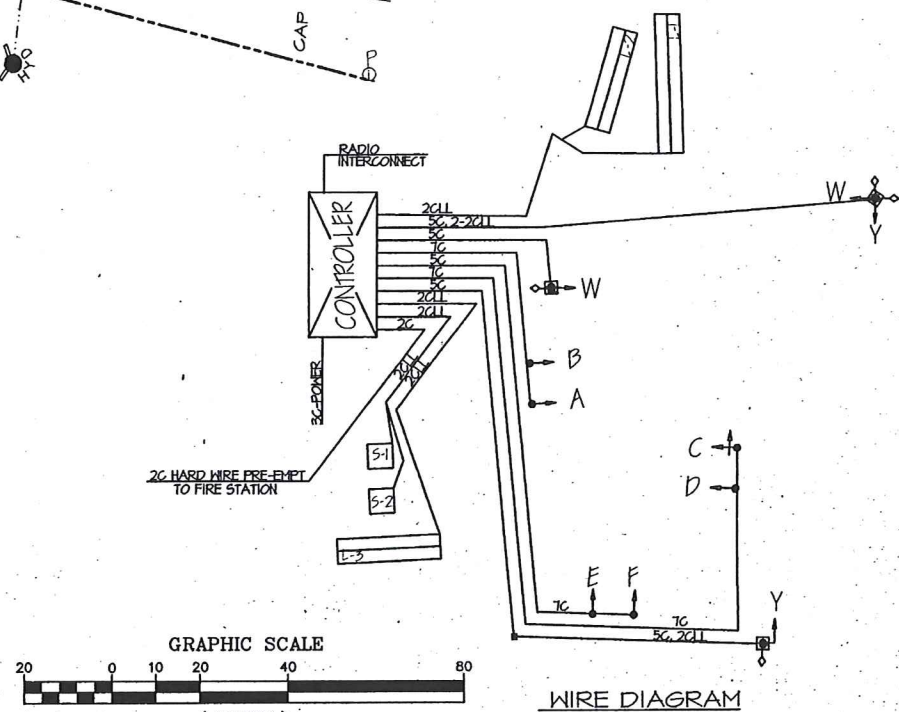
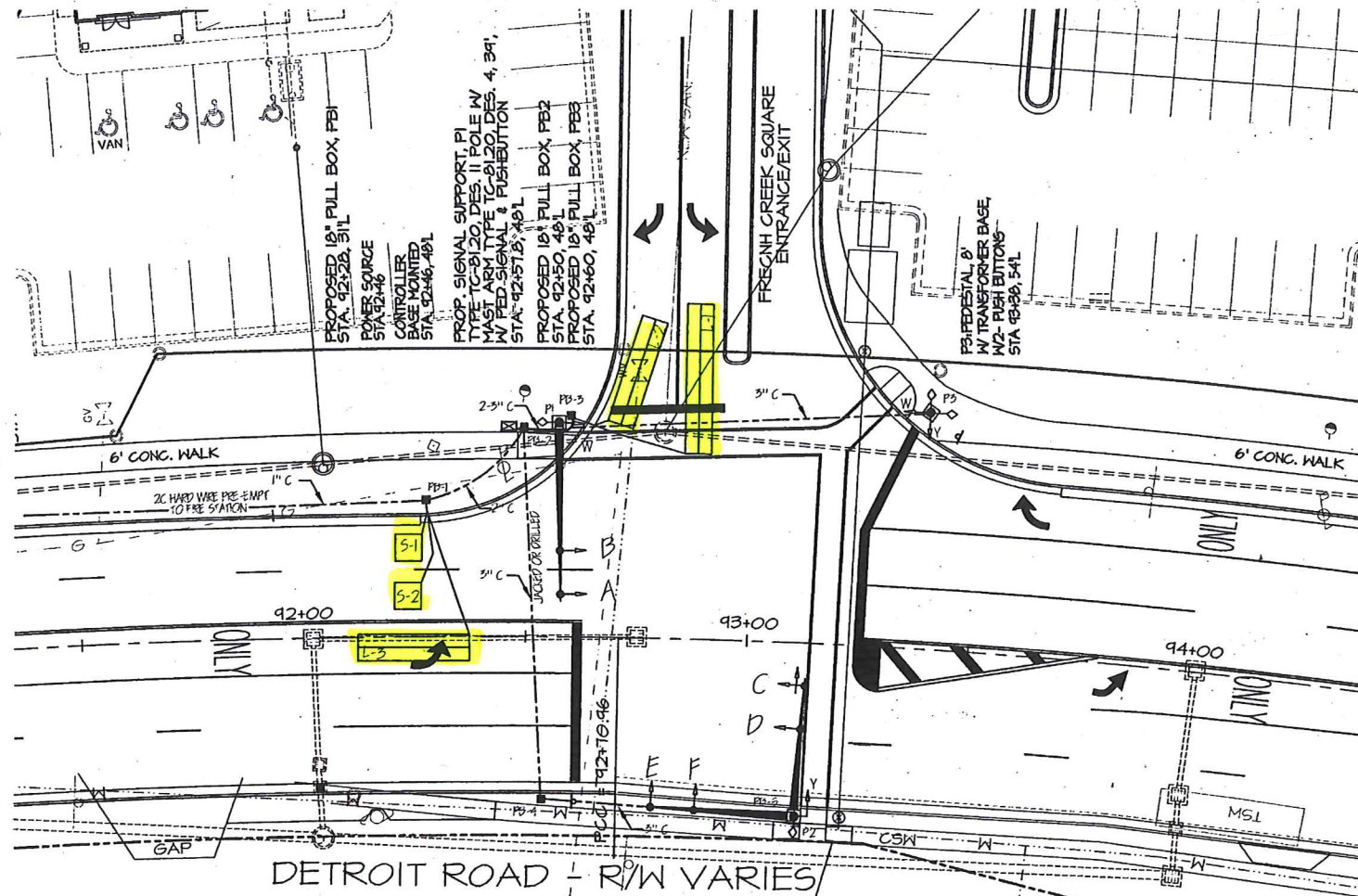
TO CROSS DETROIT RD PUSH BUTTON WAIT FOR WALK SIGNAL



TO CROSS DRIVE PUSH BUTTON WAIT FOR WALK SIGNAL

LOOP SIZE	TURNS	MODE	DELAY	PHASE	REMARK	INHIBITED DELAY	LOOP LOCATION
L-1	6X35	2-4-2	3.0	phi 4	QUADRUPOLE	YES	STA 92+80, 42L
L-2	6X25	2-4-2	3.0	phi 4	QUADRUPOLE	YES	STA 92+12, 41L
L-3	6X25	2-4-2	3.0	phi 1	QUADRUPOLE	YES	STA 92+31, 3R
S-1	6X6	3			SYSTEM		STA 92+30, 22L
S-2	6X6	3			SYSTEM		STA 92+30, 10L

LOOP DETECTOR CHART



WIRE DIAGRAM

DETOIT RD @ FRENCH CREEK SQ	DIAL 1	DIAL 2
CYCLE LENGTH	85 SEC	95 SEC
PHASE 1 SPLIT	30%	19%
PHASE 2 SPLIT	40%	55%
PHASE 3 SPLIT	0%	0%
PHASE 4 SPLIT	30%	26%
PERMISSIVE	5%	5%
OFFSET	12%	48%
TIME OF DAY SCHEDULE	9:00PM TO 9:00AM MON-SAT	9:00AM TO 9:00PM MON-SAT

DETOIT RD @ AVON CENTER (REVISED)	DIAL 1	DIAL 2
CYCLE LENGTH	85 SEC	95 SEC
PHASE 1 SPLIT	10%	14%
PHASE 2 SPLIT	41%	37%
PHASE 3 SPLIT	10%	10%
PHASE 4 SPLIT	25%	27%
PHASE 5 SPLIT	10%	17%
PHASE 6 SPLIT	41%	37%
PHASE 7 SPLIT	10%	19%
PHASE 8 SPLIT	29%	27%
PERMISSIVE	5%	5%
OFFSET	0%	0%
TIME OF DAY SCHEDULE	9:00PM TO 9:00AM MON-SAT	9:00AM TO 9:00PM MON-SAT

COORDINATION TIMING

REVISIONS

DATE	DESCRIPTION

CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE PRIOR TO CONSTRUCTION.

FRENCH CREEK SQUARE - PHASE 1 OFF SITE IMPROVEMENT PLANS

S. R. 254 & S. R. 83, AVON, OHIO

FRENCH CREEK SQUARE, L.L.C.
30000 CHAGRIN BLVD., CLEVELAND, OHIO 44124

Concept: Thru Construction
TELEPHONE 740-915-1674 FAX 915-1714
Engineering & Design Group Inc.
39550 CIRTIS BLVD. SUITE 110 EASTLAKE OHIO 44095

DRAWN BY: DMK CHECKED BY: SAL

CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE PRIOR TO CONSTRUCTION.

FRENCH CREEK SQUARE - PHASE 1 OFF SITE IMPROVEMENT PLANS

S. R. 254 & S. R. 83, AVON, OHIO

FRENCH CREEK SQUARE, L.L.C.
30000 CHAGRIN BLVD., CLEVELAND, OHIO 44124

SIGNAL PLAN

MARCH 2003
JOB NO. 020221
HORIZ. 1" = 20'
VERT. 1" = 20'

CE-22

PROPOSED 18" PULLBOX, PB4
STA. 97+46.2, 27' L

PROPOSED 18" PULLBOX, PB5
STA. 99+55.2, 27.1' L

PROP. SIGNAL SUPPORT, P3
TYPE TC-81.20, DES. 12 POLE W/ MAST ARM TYPES
TC-81.20, DES. 11, 44' AND TC-81.20, DES. 1, 18'
STA. 99+63.0, 24.3' L

PEDESTRIAN PUSHBUTTON SIGNS



R10-3b(L)
9' x 12"
QUANTITY = 2



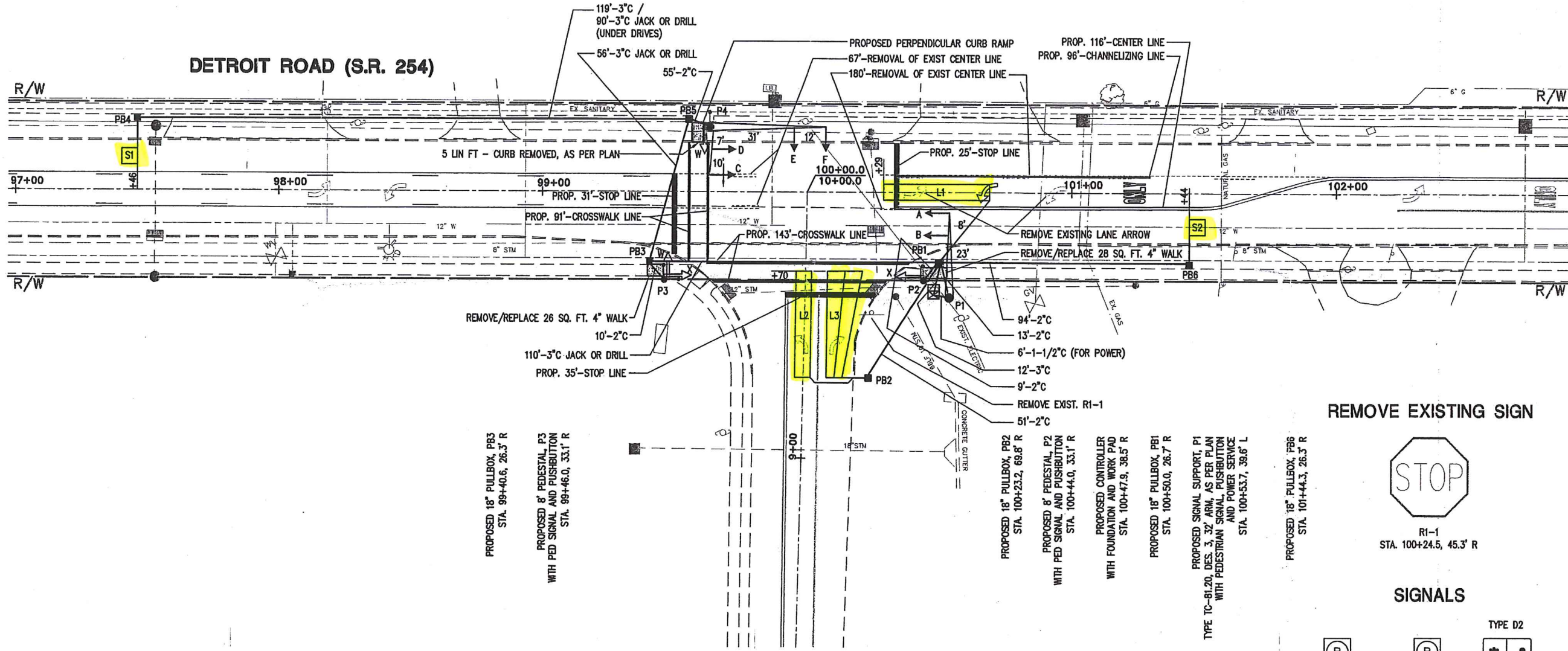
R10-3b(R)
9' x 12"
QUANTITY = 2

PLAN PREPARED BY:
TRAFFI-PRO CONSULTANTS, INC.
10749 PEARL ROAD, SUITE 2C
STRONGSVILLE, OHIO 44136
440-846-2444

REVISIONS
BRAUN-PRENOSIL ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNING
4630 Richmond Road, Suite 180, Warrensville Hts., Ohio 44128
Tel: (216) 937-1480 Fax: (216) 937-1497 braun@apc.net



07002
AUGUST 2002
Job No. 07002
Drawn By: CLM
Checked By: MMS
Date: 8/1/02
Scale: 1"=20'
Ver. Scale: 1"=20'

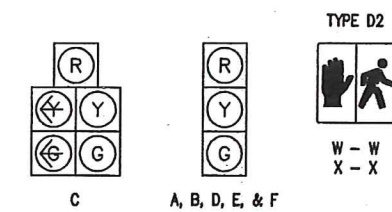


REMOVE EXISTING SIGN



R1-1
STA. 100+24.5, 45.3' R

SIGNALS

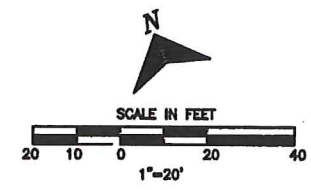


ALL HEADS ARE 12" POLYCARBONATE

AVON HERITAGE
ELEMENTARY SCHOOL
NORTH DRIVE

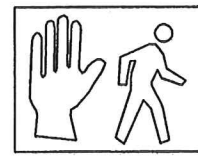
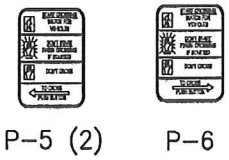
ORIGINAL

NOTE:
ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN
DRAWN FROM RECORD INFORMATION AND/OR FROM UTILITY
COMPANY LOCATIONS, AND SHOULD BE CONSIDERED
APPROXIMATE.



LEGEND

- SIGNAL SUPPORT
 - ↑ 3 LENS, 1-WAY, SIGNAL HEAD
 - ↑↑ 5 LENS, 1-WAY, SIGNAL HEAD
 - NEW LOOP
 - NEW PULL BOX, 18" CONCRETE (U.N.O.)
 - ⊕ PEDESTRIAN PUSHBUTTON
 - ⊕ PEDESTRIAN SIGNAL HEAD
 - ⊕ PEDESTRIAN CROSSING SIGN
 - ⊕ EXISTING UTILITY POLE
 - NEW CONDUIT (2", 725.05 UNLESS NOTED OTHERWISE)
- NOTE: ALL CONDUCTORS ARE #14 AWG EXCEPT AS NOTED.

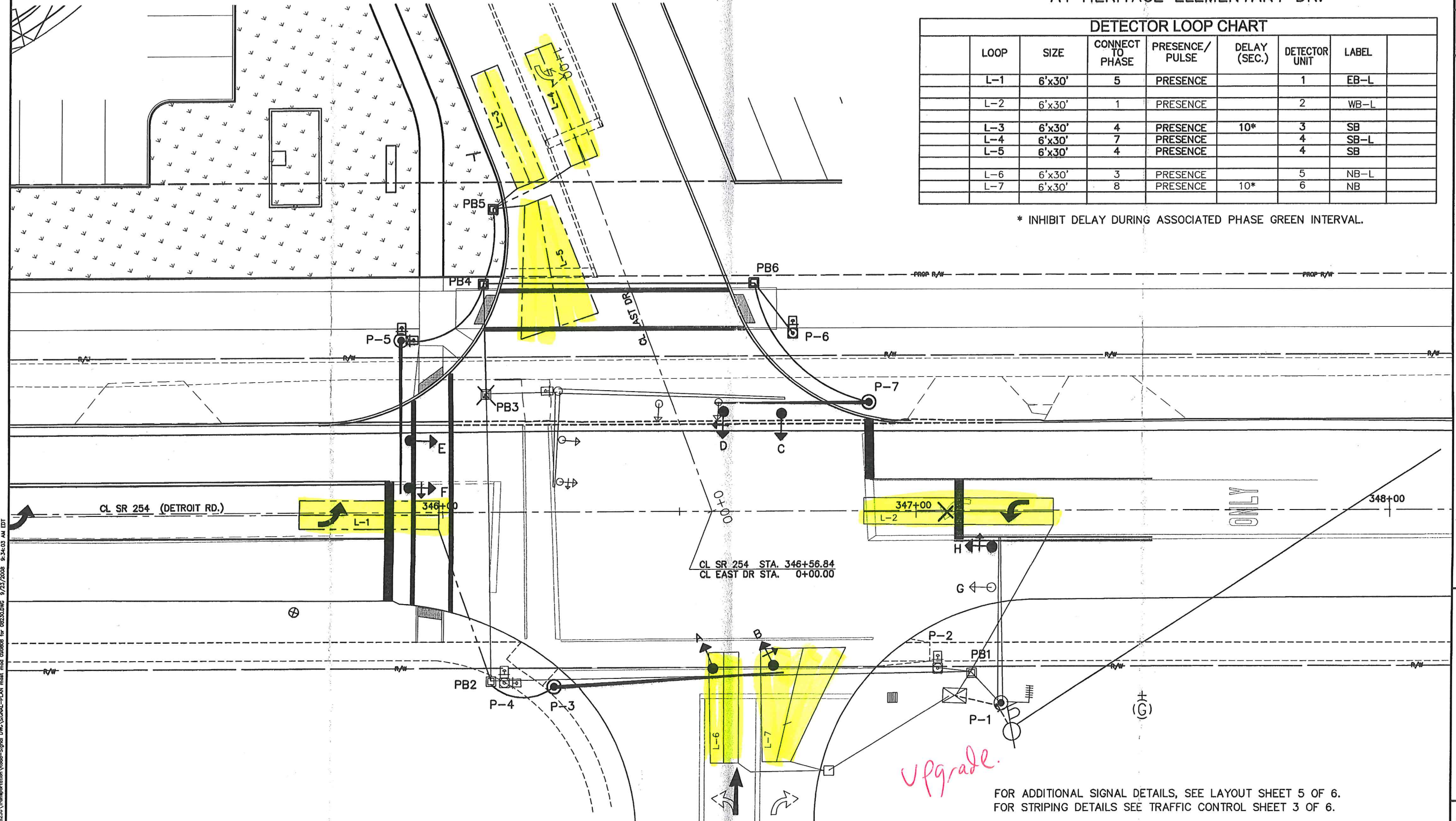


PEDESTRIAN PUSHBUTTON SIGNS (MATCH EXISTING SIGNS)
 PEDESTRIAN SIGNAL FACES (LED) PH-4 THRU 6

**S.R. 254 (DETROIT ROAD)
 AT HERITAGE ELEMENTARY DR.**

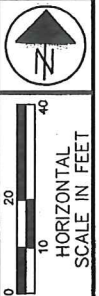
LOOP	SIZE	CONNECT TO PHASE	PRESENCE/PULSE	DELAY (SEC.)	DETECTOR UNIT	LABEL
L-1	6'x30'	5	PRESENCE		1	EB-L
L-2	6'x30'	1	PRESENCE		2	WB-L
L-3	6'x30'	4	PRESENCE	10*	3	SB
L-4	6'x30'	7	PRESENCE		4	SB-L
L-5	6'x30'	4	PRESENCE		4	SB
L-6	6'x30'	3	PRESENCE		5	NB-L
L-7	6'x30'	8	PRESENCE	10*	6	NB

* INHIBIT DELAY DURING ASSOCIATED PHASE GREEN INTERVAL.



SIGNAL PLAN

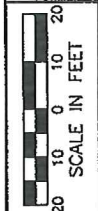
FOR ADDITIONAL SIGNAL DETAILS, SEE LAYOUT SHEET 5 OF 6.
 FOR STRIPING DETAILS SEE TRAFFIC CONTROL SHEET 3 OF 6.



SIGNAL PLAN

HERITAGE VILLAGE

R:\00000\08230\Transportation\Road-Signal-DWG\SIGNAL-PLAN.mxd mod 09/08/08 for 08230.DWG 9/23/2008 9:34:03 AM EDT



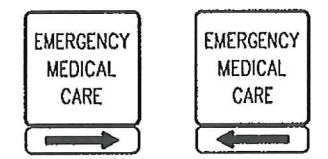
CALCULATED
CHECKED

TRAFFIC CONTROL PLAN
DETROIT ROAD - S.R. 254 AND HEALTHWAY DRIVE

LORAIN COUNTY
CITY OF AVON

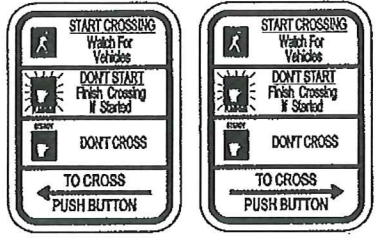
THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.

PROPOSED SIGN



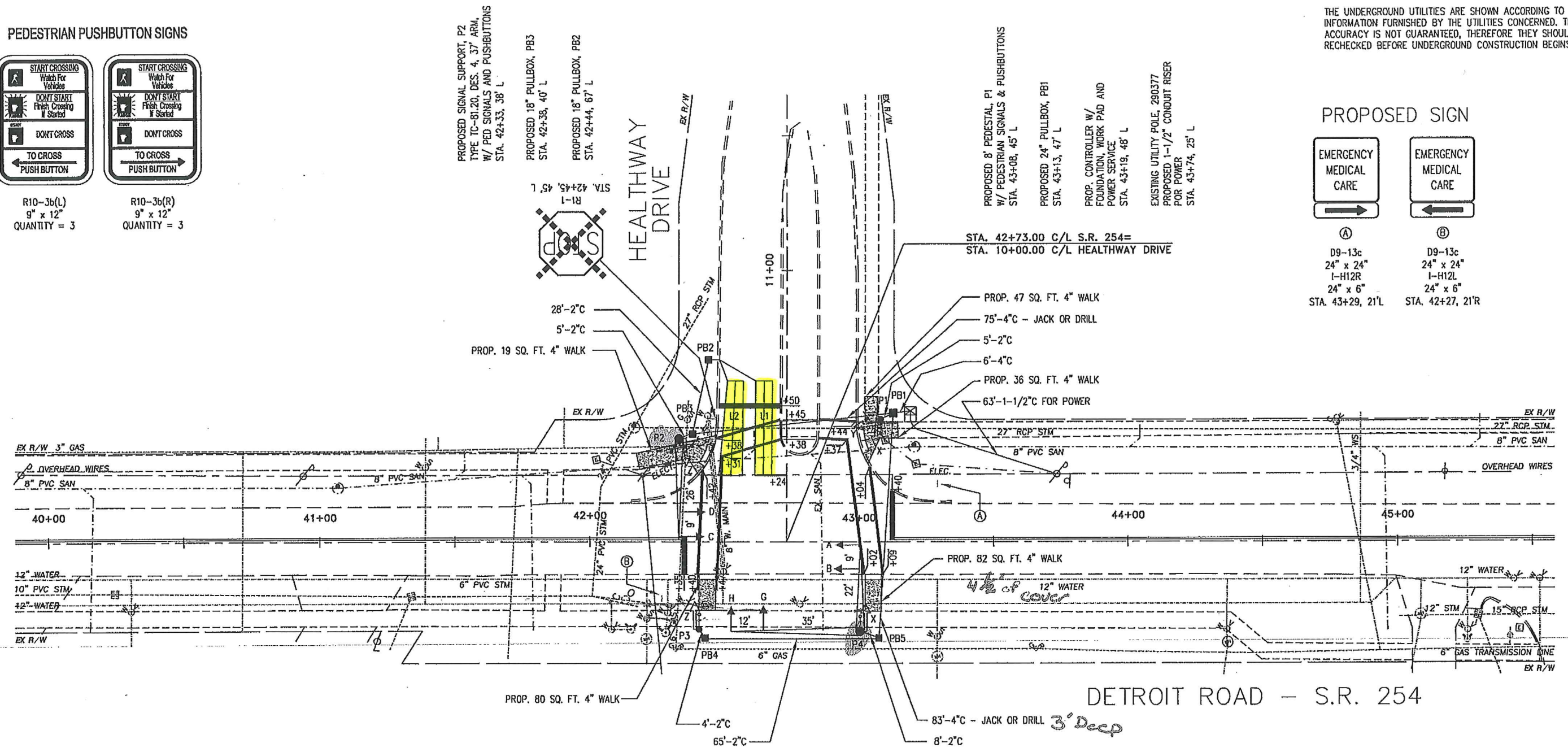
Ⓐ	Ⓑ
D9-13c 24" x 24" 1-H12R 24" x 6" STA. 43+29, 21'L	D9-13c 24" x 24" 1-H12L 24" x 6" STA. 42+27, 21'R

PEDESTRIAN PUSHBUTTON SIGNS



R10-36(L)
9" x 12"
QUANTITY = 3

R10-36(R)
9" x 12"
QUANTITY = 3



CONVENTIONAL SYMBOLS

EXISTING RIGHT OF WAY LINE		SERVICE POLE	
CENTERLINE		LOOP DETECTORS	
CORPORATION LINE		MAGNETOMETER DETECTORS	
FENCE LINE		SPAN WIRE SUPPORT	
PROPERTY LINE		CANTILEVER SUPPORT	
PROPOSED RIGHT OF WAY LINE		SIGN ON WIRE SUPPORT	
SEWER		SIGN ON CANTILEVER SUPPORT	
MANHOLE		SIGNAL HEAD, STD. 1-WAY	
CATCH BASIN		PEDESTRIAN SIGNAL	
GAS		CONDUIT	
WATER		PULLBOX	
UTILITY POLES		CONTROLLER CABINET	
MONUMENT BOXES			

PROPOSED 8" PEDESTAL, P3
W/ PEDESTRIAN SIGNALS & PUSHBUTTONS
STA. 42+41, 32' R

PROPOSED 18" PULLBOX, PB4
STA. 42+43, 36' R

PROPOSED SIGNAL SUPPORT, P4
TYPE TC-81.20, DES. 12, 48",
WITH MAST ARMS, TC-81.20, DES. 4, 33",
AND TC-81.20, DES. 4, 33",
PEDESTRIAN SIGNAL AND PUSHBUTTON
STA. 43+01, 33' R

PROPOSED 18" PULLBOX, PB5
STA. 43+08, 36' R

Original

SIGNALS

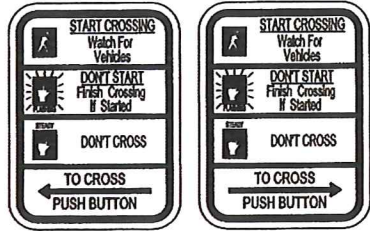
A, B, C, D, G & H
ALL HEADS ARE 12" POLYCARBONATE
WITH LED LAMP UNITS

X - X
Y - Y
Z - Z

TYPE D2
WITH LED LAMP UNITS

AERIAL DRAWING: 06008TPC.DWG
ACAD DRAWING: 06-008
JOB NUMBER: 06-008
REVISION DATE: 02-07-2006

EXIST. PEDESTRIAN PUSHBUTTON SIGNS



R10-3b(L)
 9' x 12'
 QUANTITY = 3

R10-3b(R)
 9' x 12'
 QUANTITY = 3

PROP. 18" PULLBOX, PB6
 STA. 42+11, 25' L

EXIST. SIGNAL SUPPORT, P2
 TYPE TC-81.20, DES. 4, 36" ARM,
 W/ PED SIGNALS AND PUSHBUTTONS
 STA. 42+33, 38' L

EXIST. 18" PULLBOX, PB3
 STA. 42+38, 40' L

EXIST. 18" PULLBOX, PB2
 STA. 42+44, 67' L

EXIST. 8' PEDESTAL, P1
 W/ PEDESTRIAN SIGNALS & PUSHBUTTONS
 STA. 43+08, 45' L

EXIST. 24" PULLBOX, PB1
 STA. 43+13, 47' L

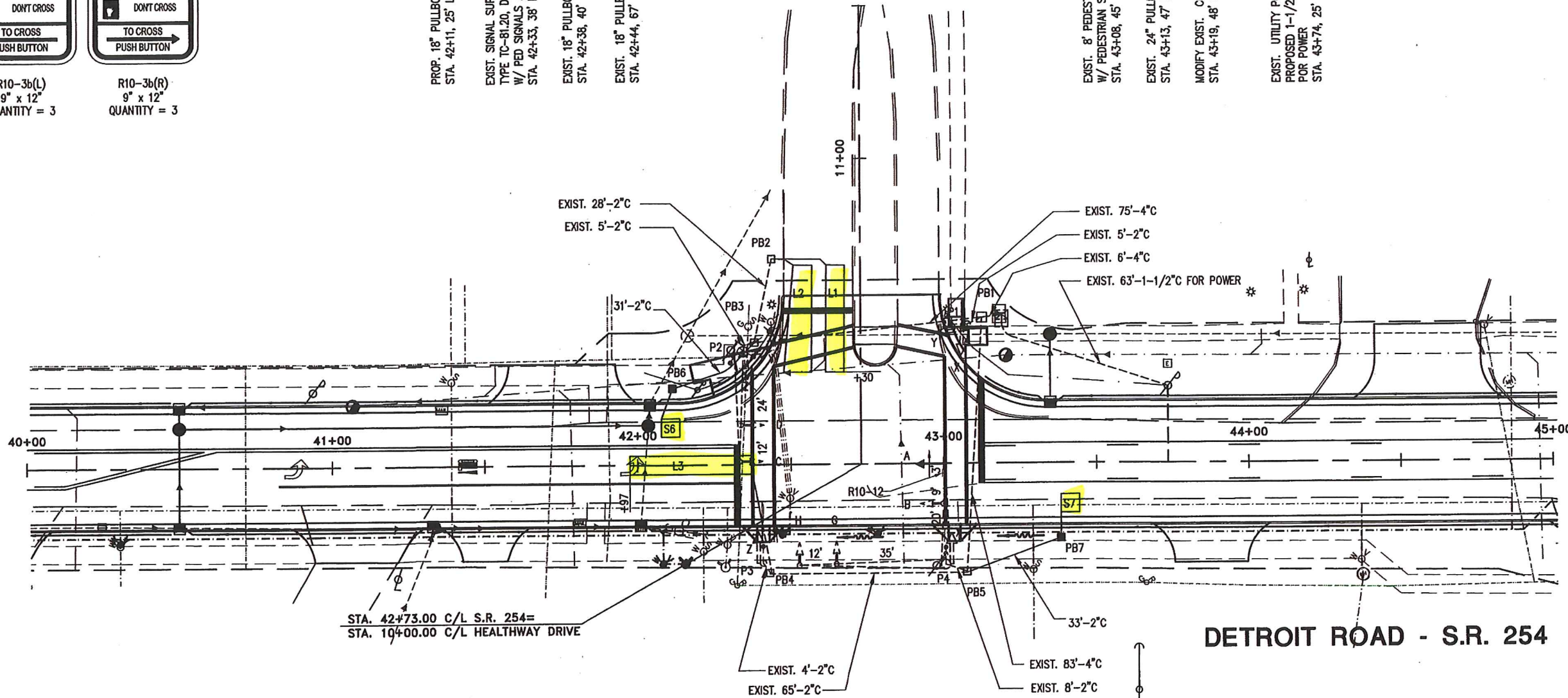
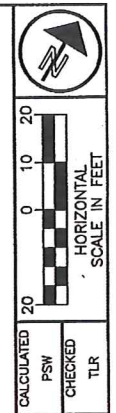
MODIFY EXIST. CONTROLLER
 STA. 43+19, 48' L

EXIST. UTILITY POLE, ##
 PROPOSED 1-1/2" CONDUIT RISER
 FOR POWER
 STA. 43+74, 25' L

PROPOSED SIGN



R10-12
 24' x 30'
 QTY=1



STA. 42+73.00 C/L S.R. 254=
 STA. 10+00.00 C/L HEALTHWAY DRIVE

DETROIT ROAD - S.R. 254

EXIST. 8' PEDESTAL, P3
 W/ PEDESTRIAN SIGNAL & PUSHBUTTON
 STA. 42+41, 32' R

EXIST. 18" PULLBOX, PB4
 STA. 42+43, 36" R

EXIST. SIGNAL SUPPORT, P4
 TYPE TC-12.30, DESIGN 6, 20' POLE,
 WITH MAST ARMS, TC-81.20, DESIGN 12, 48"
 AND TC-81.20, DESIGN 4, 34"
 PEDESTRIAN SIGNAL AND PUSHBUTTON
 REPLACE EXIST. 3-SECTION SIGNAL "A"
 W/ PROP. 5-SECTION SIGNAL "A"
 STA. 43+01, 33' R

EXIST. 18" PULLBOX, PB5
 STA. 43+08, 36" R

PROP. 18" PULLBOX, PB7
 STA. 43+38, 25' R

PROPOSED SIGNALS



A

EXISTING SIGNALS



B, C, D, G & H
 A (TO BE REMOVED)



X - X
 Y - Y
 Z - Z
 TYPE D2
 WITH LED LAMP UNITS

ALL HEADS ARE 12" POLYCARBONATE
 WITH LED LAMP UNITS

TRAFFIC CONTROL PLAN
 DETROIT ROAD (S.R. 254) AND HEALTHWAY DRIVE

LOR-254-05.09
 (DETROIT ROAD)

SIGNAL MODIFICATION PLAN - DETROIT ROAD (S.R. 254) & HEALTHWAY DRIVE



Sixmo Inc.
Architects & Engineers
20141 Lake Road
Rocky River, Ohio 44116
www.sixmo.com
p. 216.767.5400
f. 216.767.5477

PLAN PREPARED BY:

TMS Engineers, Inc.

4547 HUDSON DRIVE
STOW, OHIO 44224
(330) 686 - 6402 PHONE
(330) 686 - 6417 FAX



The City of Avon
36050 Chester Road
Avon, Ohio 44011
www.cityofavon.com

Avon Municipal Aquatic Facility
Avon, Ohio 44011

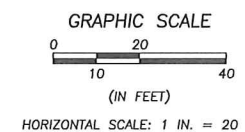
SIGNAL MODIFICATION PLAN

Revisions:

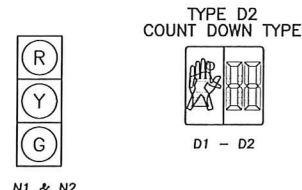
0 ISSUED 07.29.2014

Project Number: 14-101
Drawn By: JAT
Checked By: MWS
Date: 07.29.2014

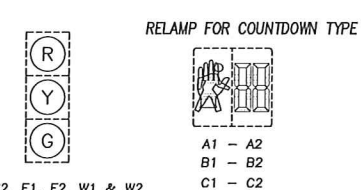
TC 8.0



PROPOSED SIGNALS



EXISTING SIGNALS TO BE REUSED



ALL HEADS ARE 12" WITH LED LAMP UNITS

RELAMP HEADS WITH LED LAMP UNITS

REPLACE MOUNTING HARDWARE FOR HEADS S1, S2, E1 & E2

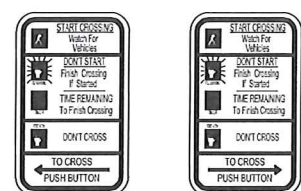
MOVE HEADS S1, S2, E1 & E2 TO POSITION S3, S4, E3 & E4 RESPECTIVELY

REPLACE MOUNTING HARDWARE FOR A1, A2, C1 & C2

COST TO REPLACE ALL MOUNTING HARDWARE SHALL BE INCIDENTAL TO THE

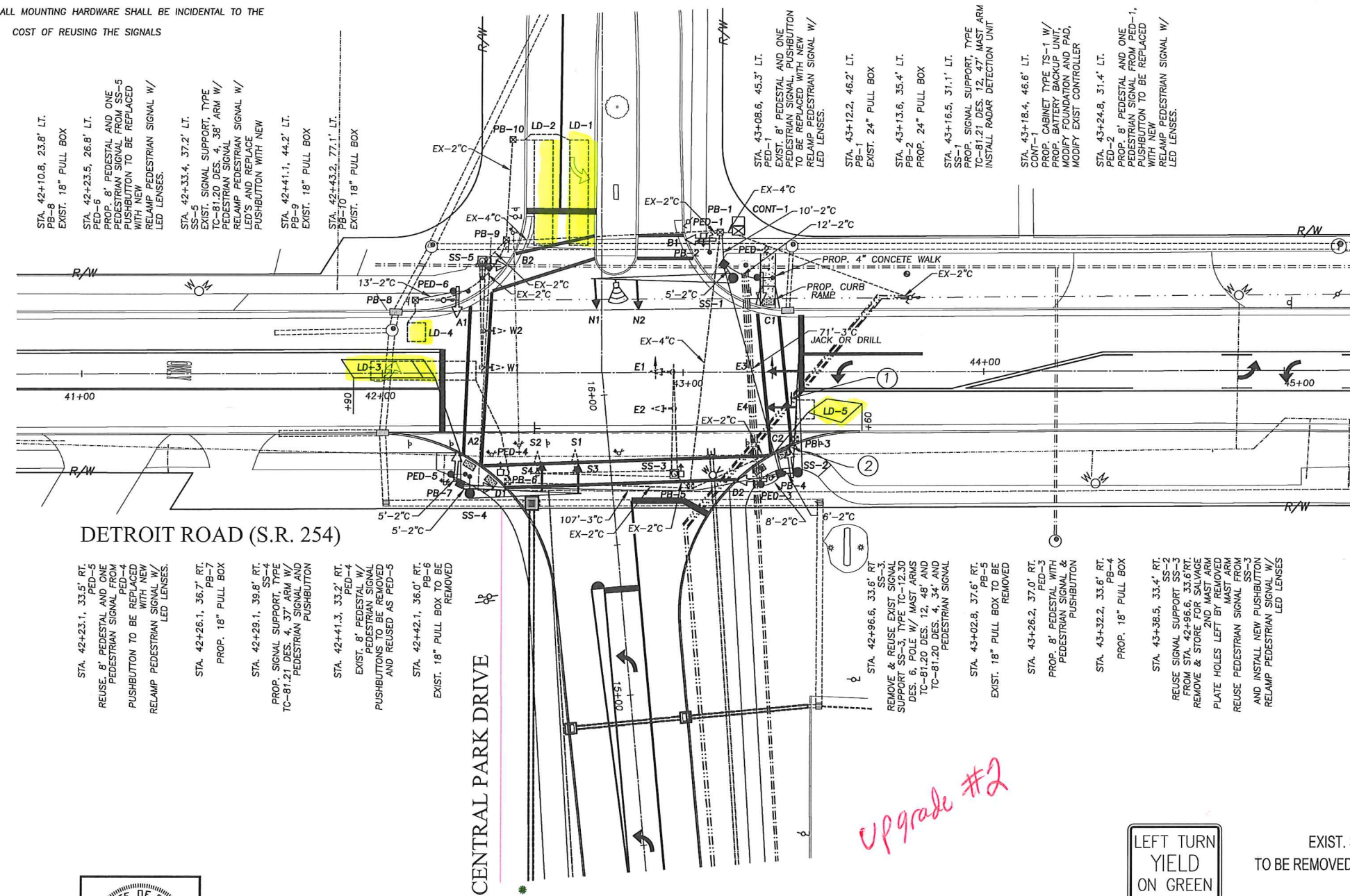
COST OF REUSING THE SIGNALS

PEDESTRIAN PUSHBUTTON SIGNS

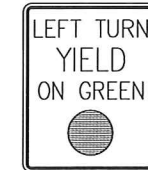


R10-3e(L)
9" x 15"
QUANTITY = 4

R10-3e(R)
9" x 15"
QUANTITY = 4



Upgrade #2



①
R10-12
24" x 30"
QUANTITY = 1



②
R3-H2cL
VAR x 18"
QUANTITY = 1

EXIST. SIGNS TO BE REMOVED & REERECTED

LEGEND

EXISTING	PROPOSED



AVON020414.11.122 Avon Municipal Aquatic Facility Concept Plan/Signal Modification Plan, Detroit Road (S.R. 254) & Healthway Drive, Project No. 14-101, 07/29/2014

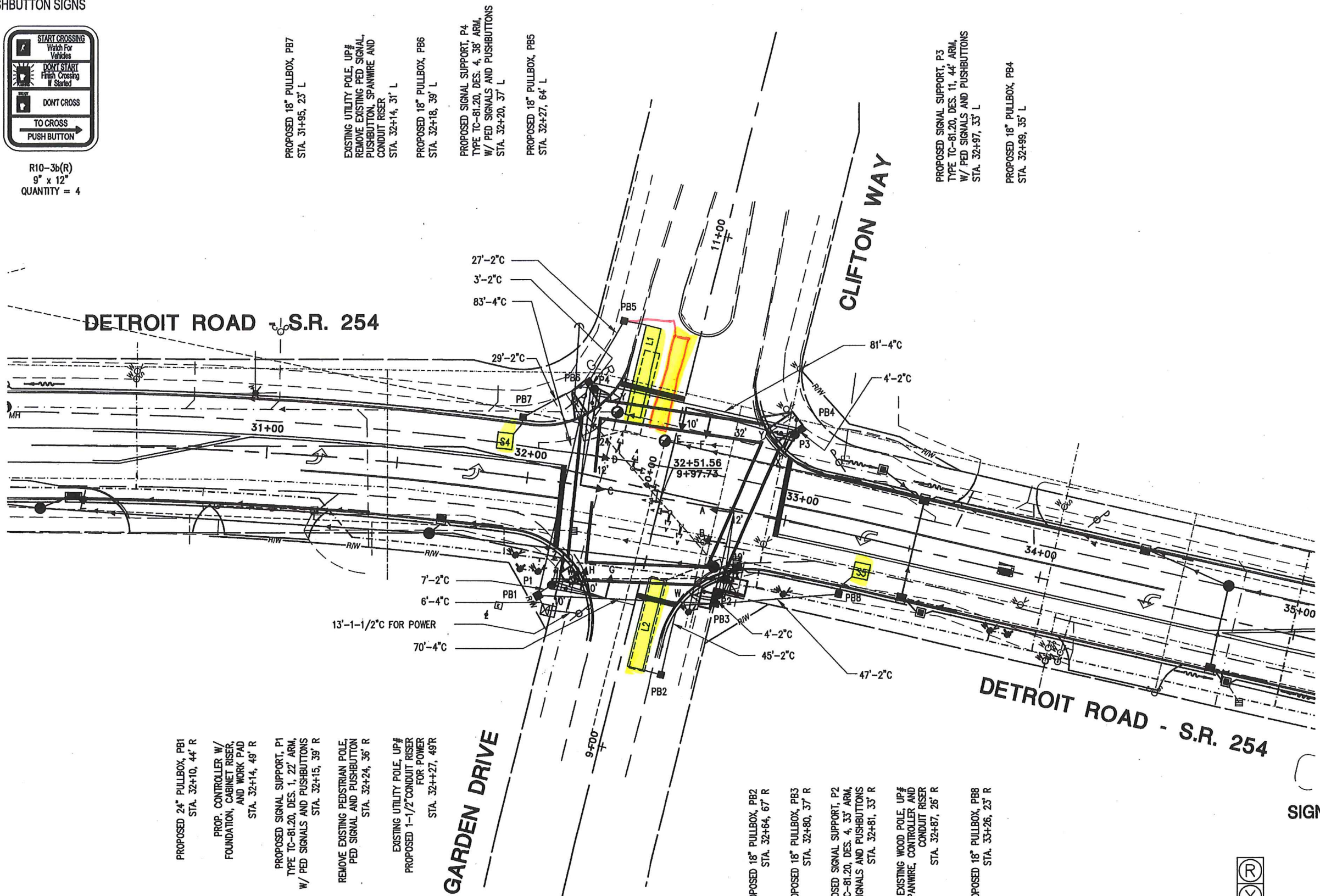
PEDESTRIAN PUSHBUTTON SIGNS



R10-3b(L)
 9" x 12"
 QUANTITY = 4



R10-3b(R)
 9" x 12"
 QUANTITY = 4



PROPOSED 24" PULLBOX, PB1
 STA. 32+10, 44' R

PROP. CONTROLLER W/
 FOUNDATION, CABINET RISER,
 AND WORK PAD
 STA. 32+14, 49' R

PROPOSED SIGNAL SUPPORT, P1
 TYPE TC-81.20, DES. 1, 22' ARM,
 W/ PED SIGNALS AND PUSHBUTTONS
 STA. 32+15, 39' R

REMOVE EXISTING PEDESTRIAN POLE,
 PED SIGNAL AND PUSHBUTTON
 STA. 32+24, 36' R

EXISTING UTILITY POLE, UP#
 PROPOSED 1-1/2" CONDUIT RISER
 FOR POWER
 STA. 32+27, 49' R

GARDEN DRIVE

PROPOSED 18" PULLBOX, PB2
 STA. 32+64, 67' R

PROPOSED 18" PULLBOX, PB3
 STA. 32+80, 37' R

PROPOSED SIGNAL SUPPORT, P2
 TYPE TC-81.20, DES. 4, 33' ARM,
 W/ PED SIGNALS AND PUSHBUTTONS
 STA. 32+81, 33' R

REMOVE EXISTING WOOD POLE, UP#
 SPANWIRE, CONTROLLER AND
 CONDUIT RISER
 STA. 32+87, 26' R

PROPOSED 18" PULLBOX, PB8
 STA. 33+26, 23' R

CLIFTON WAY

DETROIT ROAD - S.R. 254

PROPOSED 18" PULLBOX, PB7
 STA. 31+95, 23' L

EXISTING UTILITY POLE, UP#
 REMOVE EXISTING PED SIGNAL,
 PUSHBUTTON, SPANWIRE AND
 CONDUIT RISER
 STA. 32+14, 31' L

PROPOSED 18" PULLBOX, PB6
 STA. 32+18, 39' L

PROPOSED SIGNAL SUPPORT, P4
 TYPE TC-81.20, DES. 4, 38' ARM,
 W/ PED SIGNALS AND PUSHBUTTONS
 STA. 32+20, 37' L

PROPOSED 18" PULLBOX, PB5
 STA. 32+27, 64' L

PROPOSED SIGNAL SUPPORT, P3
 TYPE TC-81.20, DES. 11, 44' ARM,
 W/ PED SIGNALS AND PUSHBUTTONS
 STA. 32+97, 33' L

PROPOSED 18" PULLBOX, PB4
 STA. 32+99, 35' L



A, B, C, D, E, F, G & H



W - W
 X - X
 Y - Y
 Z - Z

TYPE D2
 WITH LED LAMP UNITS

ALL HEADS ARE 12" POLYCARBONATE
 WITH LED LAMP UNITS

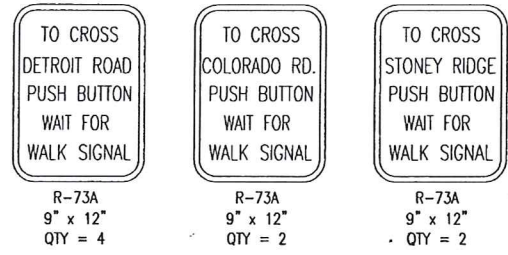
THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO
 INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR
 ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE
 RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.



TRAFFIC CONTROL PLAN
 DETROIT ROAD (S.R. 254) AND CLIFTON WAY / GARDEN DRIVE

LOR-254-05.09
 (DETROIT ROAD)

PED SIGNS

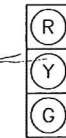
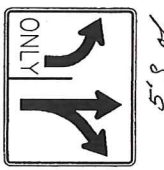
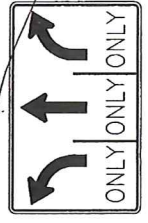
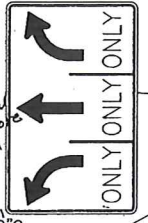
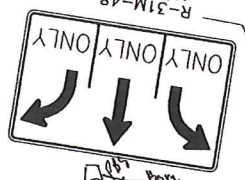


ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO ODOT SPECIFICATION 642



DETROIT ROAD (S.R. 254)

Loop
L11 30x6
L12 25x4
L13 25x6



ALL HEADS ARE 12" POLYCARBONATE

THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.

PRINTED JUL 11 2001

1994231.DETROIT_SIGNAL/201005PA.DWG

REVISIONS	DATE	DESCRIPTION
7/10/01		
4/2/01		ISSUE TO BID
12/20/00		ISSUE 0

CITY OF AVON
36080 CHESTER ROAD AVON, OHIO 44011

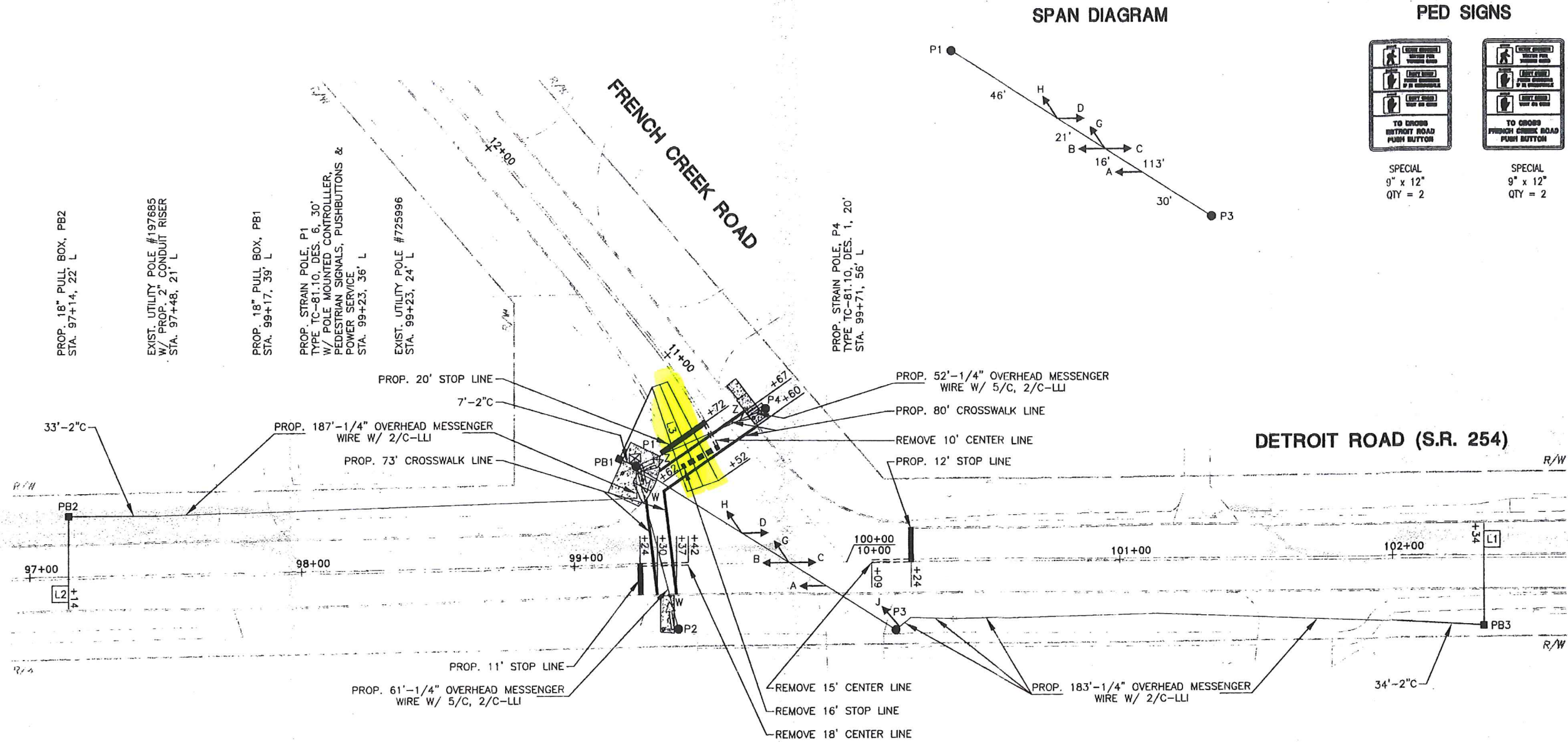
BRAMHALL
ENGINEERING AND SURVEYING CO., INC.
37307 HARVEST DRIVE AVON, OHIO 44011
(440) 934 - 7878 (440) 934 - 7879 FAX

**S.R. 254 - S.R. 611 - STONEY RIDGE ROAD
INTERSECTION IMPROVEMENTS
TRAFFIC CONTROL PLAN
AVON, OHIO**

SHEET	8	OF	11
JOB NO.			
	99-473		

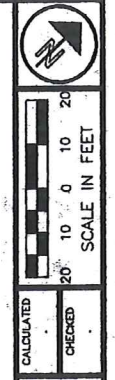
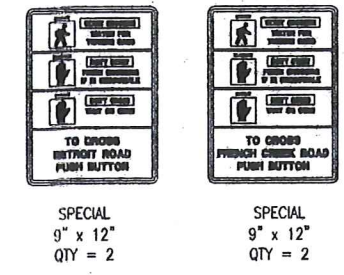
REVISION DATE: 06-03-2003
 ACAD DRAWING: 03081TPA.DWG
 JOB NUMBER: 03-081

THE UNDERGROUND UTILITIES ARE SHOWN ACCORDING TO INFORMATION FURNISHED BY THE UTILITIES CONCERNED. THEIR ACCURACY IS NOT GUARANTEED, THEREFORE THEY SHOULD BE RECHECKED BEFORE UNDERGROUND CONSTRUCTION BEGINS.



SPAN DIAGRAM

PED SIGNS



DETROIT ROAD (S.R. 254)

EXIST. UTILITY POLE #279737
 POWER SOURCE
 STA. 99+25, 21' R

PROP. STRAIN POLE, P2
 TYPE TC-81.10, DES. 1, 20'
 W/ PEDESTRIAN SIGNAL & PUSHBUTTON
 STA. 99+38, 23' R

PROP. STRAIN POLE, P3
 TYPE TC-81.10, DES. 6, 30'
 STA. 100+16, 25' R

EXIST. UTILITY POLE #58752
 STA. 100+23, 21' R

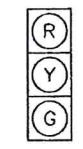
EXIST. UTILITY POLE #220085
 STA. 100+39, 21' R

EXIST. UTILITY POLE #58751
 STA. 101+13, 20' R

EXIST. UTILITY POLE #290232
 W/ PROP. 2" CONDUIT RISER
 STA. 102+00, 24' R

PROP. 18" PULL BOX, PB3
 STA. 102+34, 26' R

SIGNALS



A, B, C, D, G, H & J

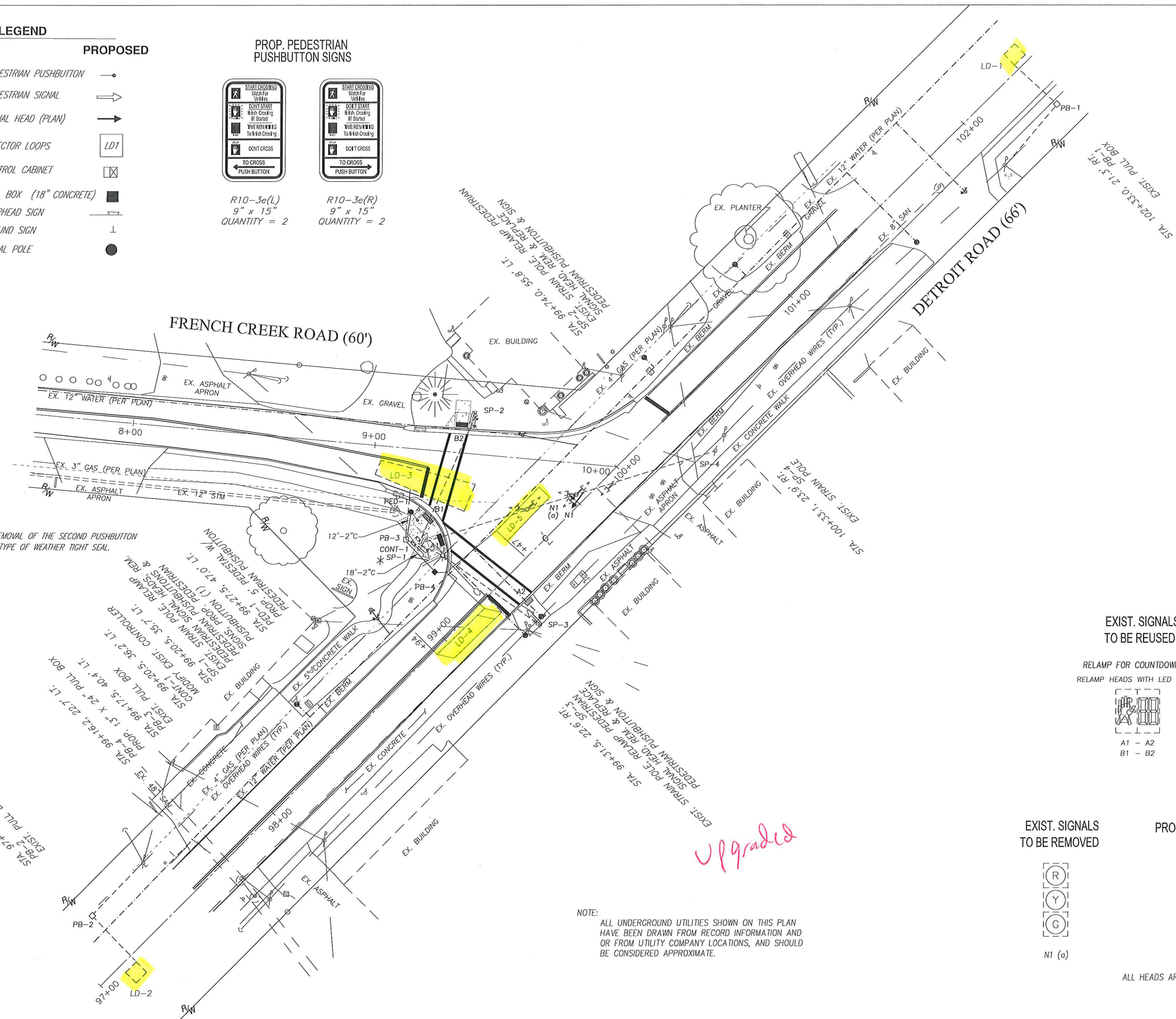
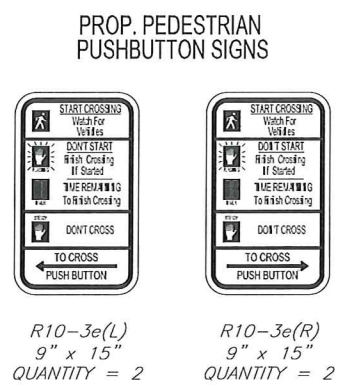
NOTE:
 ALL HEADS ARE 12" POLYCARBONATE
 AND HAVE TUNNEL VISORS.

Original

TRAFFIC CONTROL PLAN
 DETROIT ROAD (S.R. 254) & FRENCH CREEK ROAD

LORAIN COUNTY
 CITY OF AVON

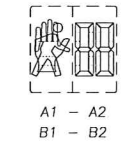
LEGEND	
EXISTING	PROPOSED



* THE HOLE LEFT BY THE REMOVAL OF THE SECOND PUSHBUTTON SHALL BE SEALED WITH A TYPE OF WEATHER TIGHT SEAL.

EXIST. SIGNALS TO BE REUSED

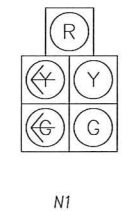
RELAMP FOR COUNTDOWN TYPE
RELAMP HEADS WITH LED LAMP UNITS



EXIST. SIGNALS TO BE REMOVED



PROPOSED SIGNALS



ALL HEADS ARE 12" WITH LED LAMP UNITS

NOTE:
ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN DRAWN FROM RECORD INFORMATION AND/OR FROM UTILITY COMPANY LOCATIONS, AND SHOULD BE CONSIDERED APPROXIMATE.

NORTH

SCALE IN FEET (HORIZONTAL)
0 10 20

STATE OF OHIO

MICHAEL W. SCHWEICKART
NO. 56982
REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE	BY
1	PADAR DETECTION OUT. LOOPS IN	02/21/17	JAT
2			
3			
4			
5			
6			

TMS ENGINEERS INC.
2112 CASE PARKWAY SOUTH, UNIT 7
TWINBURG, OHIO 44087
(330) 686-6402 (330) 686-6417 FAX

CITY OF AVON, OHIO
DETROIT ROAD (SR 254) AND
FRENCH CREEK ROAD
SIGNAL MODIFICATION

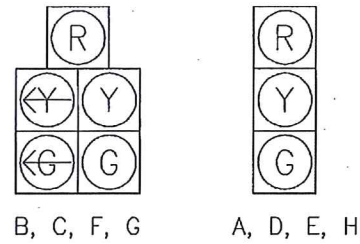
02-13-17
17-017

S.R. 254 (DETROIT ROAD)
AT CASE ROAD



LEGEND

- SIGNAL SUPPORT
 - 3 LENS, 1-WAY, SIGNAL HEAD
 - 5 LENS, 1-WAY, SIGNAL HEAD
 - NEW LOOP
 - FUTURE LOOP
 - NEW PULL BOX, 18" CONCRETE (U.N.O.)
 - EXISTING UTILITY POLE
 - VERIFICATION LIGHT(S)
 - PRE-EMPT RECEIVER
 - NEW CONDUIT (2", 725.05 UNLESS NOTED OTHERWISE)
- NOTE: ALL CONDUCTORS ARE #14 AWG EXCEPT AS NOTED.
U.N.O. - UNLESS NOTED OTHERWISE
TBR - TO BE REMOVED



TYPICAL SIGNAL HEADS
ALL 12" ALUMINUM w/ LED LAMPS

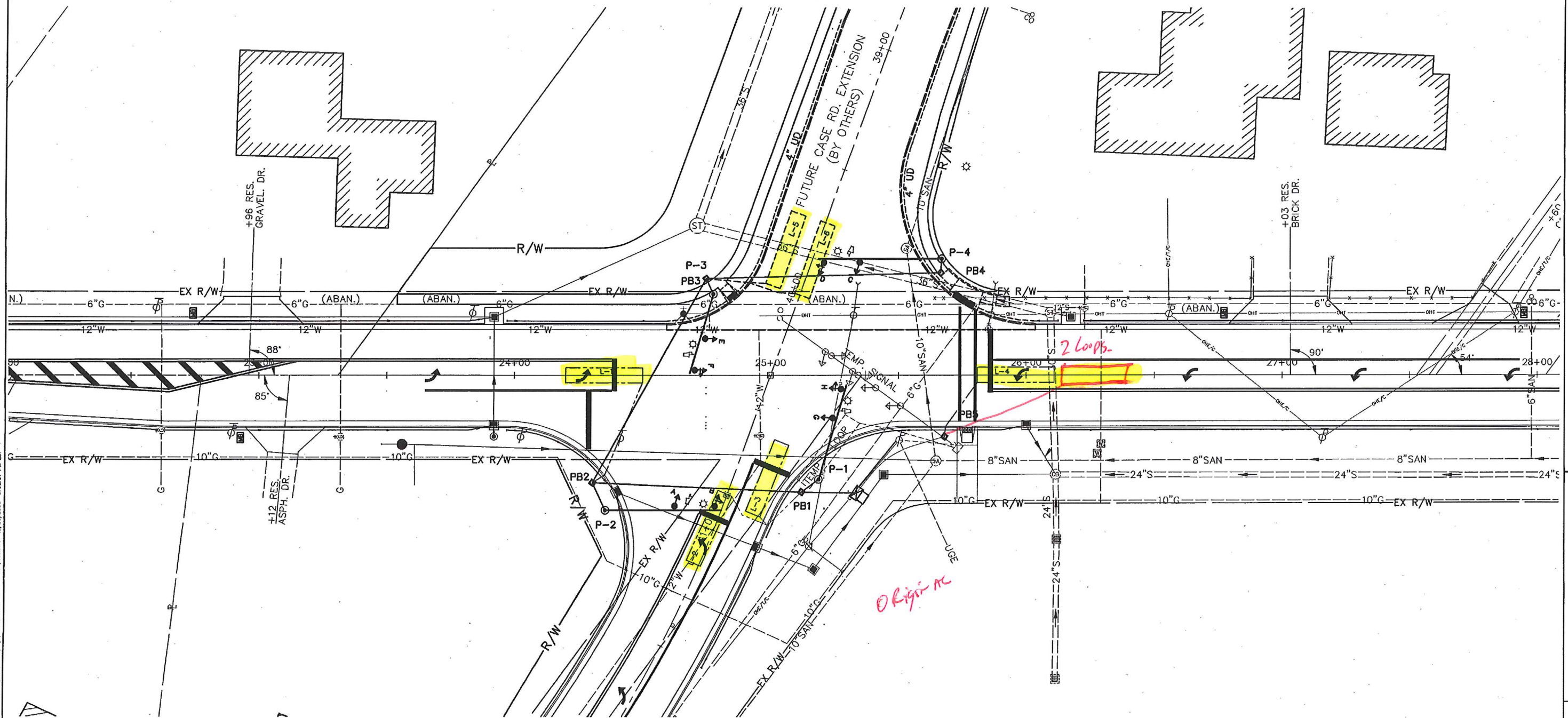
NOTE:
TEMPORARY SIGNAL SHALL REMAIN IN SERVICE UNTIL NEW SIGNAL INSTALLATION IS PLACED INTO OPERATION. CONTRACTOR SHALL COVER TEMPORARY SIGNAL HEADS AND LAMPION COMPANIES NOTIFIED FOR REMOVAL OF TEMPORARY SIGNAL.

DETECTOR LOOP CHART

LOOP	SIZE	CONNECT TO PHASE	PRESENCE/PULSE	DELAY (SEC.)	DETECTOR UNIT	LABEL	COMMENTS
L-1	6'x30'	5	PRESENCE		1	EB-L	(SEE NOTE)
L-2	6'x30'	3	PRESENCE	10*	2	NB-L	
L-3	6'x30'	8	PRESENCE	10*	3	NB	
L-4	6'x30'	1	PRESENCE		4	WB-L	
L-5	6'x30'	4	PRESENCE	10*	5	SB	FUTURE
L-6	6'x30'	7	PRESENCE	10*	6	SB-L	FUTURE

* INHIBIT DELAY DURING ASSOCIATED PHASE GREEN INTERVAL.

NOTE: FINAL CONNECTION FOR LOOP L-1 AT CONTROLLER SHALL BE MADE UPON COMPLETION OF FUTURE CASE RD. EXTENSION.

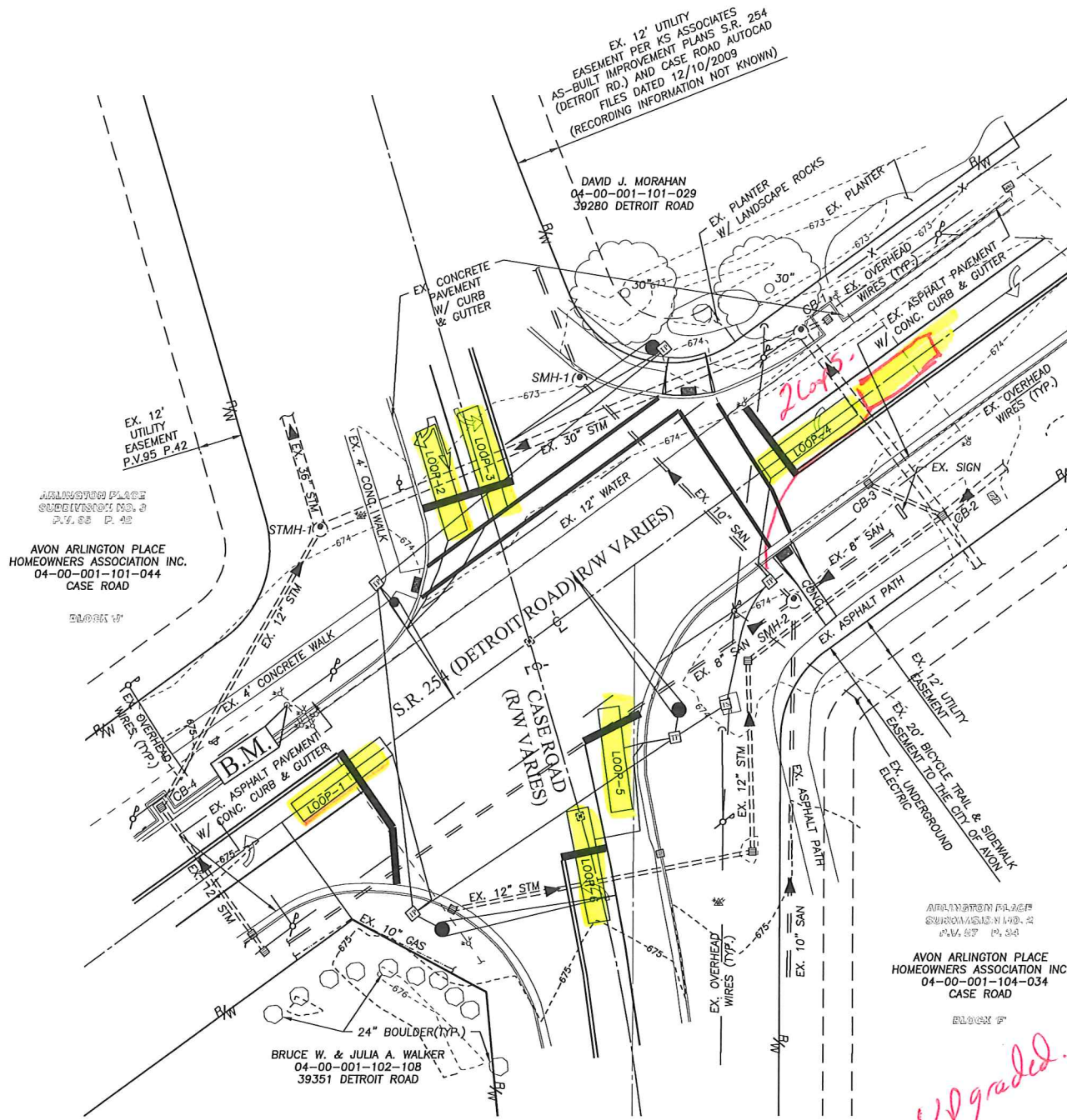


SIGNAL PLAN

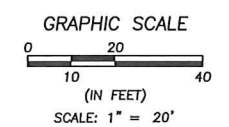
S.R. 254 & CASE RD.

40
42

EXISTING STRUCTURES			
ITEM	RIM / GRATE	PIPE SIZE, DIRECTION, INVERT ELEV.	
CB-1	673.53	12" HDPE (W) INV: 669.43	4" PVC (W) INV: 671.63
CB-2	672.56	30" HDPE (N) INV: 664.26	24" HDPE (S) INV: 667.56
		24" RCP (E) INV: 664.36	12" PVC (W) INV: 665.81
		12" PVC (NW) INV: 669.66	
CB-3	673.83	12" HDPE (SE) INV: 670.73	
CB-4	674.34	12" HDPE (E&W) INV: 668.64	12" HDPE (S) INV: 670.89
		4" PVC (W) INV: 671.59	4" PVC (E) INV: 672.29
STMH-1	672.38	36" RCP (N) INV: 659.13	36" RCP (E) INV: 661.83
		12" HDPE (SW) INV: 667.43	
SMH-1	672.89	8" PVC (N) INV: 654.56	8" PVC (S) INV: 655.49
SMH-2	674.00	8" PVC (N) INV: 655.65	8" PVC (S&E) INV: 656.05
		8" PVC (E) INV: 661.92	8" PVC (W) INV: 656.28



- LEGEND**
- MONUMENT BOX FOUND (AS INDICATED)
 - CENTERLINE
 - RIGHT-OF-WAY LINE
 - MANHOLE
 - CATCH BASIN
 - WATER SERVICE VALVE
 - WATER VALVE
 - HYDRANT
 - WATER METER
 - GAS VALVE
 - GAS LINE MARKER
 - POWER POLE
 - GUY ANCHOR
 - POWER POLE AND LIGHT
 - TRAFFIC SIGNAL CONTROL BOX
 - TRAFFIC PULL BOX
 - MAST ARM SIGNAL POLE
 - EX. MINOR CONTOUR
 - EX. MAJOR CONTOUR
 - EX. ELECTRIC
 - EX. GAS
 - EX. OVERHEAD WIRES
 - EX. SANITARY
 - EX. STORM
 - EX. WATER
 - FENCE



BENCHMARK:
TOP TURN NUT OF HYDRANT
NORTHWEST CORNER OF
DETROIT ROAD AND CASE ROAD
ELEV. 677.38

- SURVEY NOTES:**
1. A BOUNDARY SURVEY PURSUANT TO CHAPTER 4733-37 OF THE OHIO ADMINISTRATIVE CODE HAS NOT BEEN PERFORMED BY BRAMHALL ENGINEERING & SURVEYING COMPANY, INC. THIS PLAN IS BASED UPON AVAILABLE COUNTY INFORMATION.
 2. TOPOGRAPHIC SURVEY PERFORMED MAY-JUNE 2015.

EXISTING UNDERGROUND UTILITIES NOTE:
THE SIZE & LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, BRAMHALL ENGINEERING AND SURVEYING COMPANY, INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

<p>OHIO UTILITIES PROTECTION SERVICE</p> <p>BEFORE YOU DIG ANYWHERE IN OHIO! CALL 1-800-362-2764 OR 8-1-1 (TOLL FREE)</p> <p>OHIO LAW REQUIRES 48 HOURS BUT NO MORE THAN 19 WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH (NON MEMBERS MUST BE CALLED DIRECTLY) WWW.OUPS.ORG</p> <p>TICKET NO.: A51420264</p>	<p>OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE</p> <p>TWO WORKING DAYS BEFORE YOU DIG CALL 1-800-925-0988 (TOLL FREE) WWW.OGPPS.COM</p>
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DATE	BY	DESCRIPTION
06-10-2015	APA	ISSUE TO CLIENT
06-16-2015	APA	UPDATED ADDED ADDITIONAL EASEMENT
07-24-2015	APA	ISSUE TO CLIENT

BRAMHALL
ENGINEERING AND SURVEYING CO., INC.
801 MOORE ROAD AVON, OHIO 44011
(440) 934 - 7878 (440) 934 - 7879 FAX

DRAWN BY: JAD
CHECKED BY: APA

PREPARED FOR:
TMS ENGINEERS INC
2112 CASE PARKWAY SOUTH, UNIT 7
TWINSBURG, OHIO 44087

S.R. 254 (DETROIT ROAD) & CASE ROAD PEDESTRIAN UPGRADES EXISTING CONDITIONS
CITY OF AVON, COUNTY OF LORAIN, STATE OF OHIO

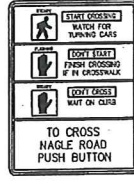
SHEET 3 OF 10
JOB NO. 15-4170

J:\154170 SR254(Detroit Road) and Case Road\DRAWINGS\5 (Page 02) Existing Conditions.dwg, Plotted: Jul 24, 2015 - 6:33am

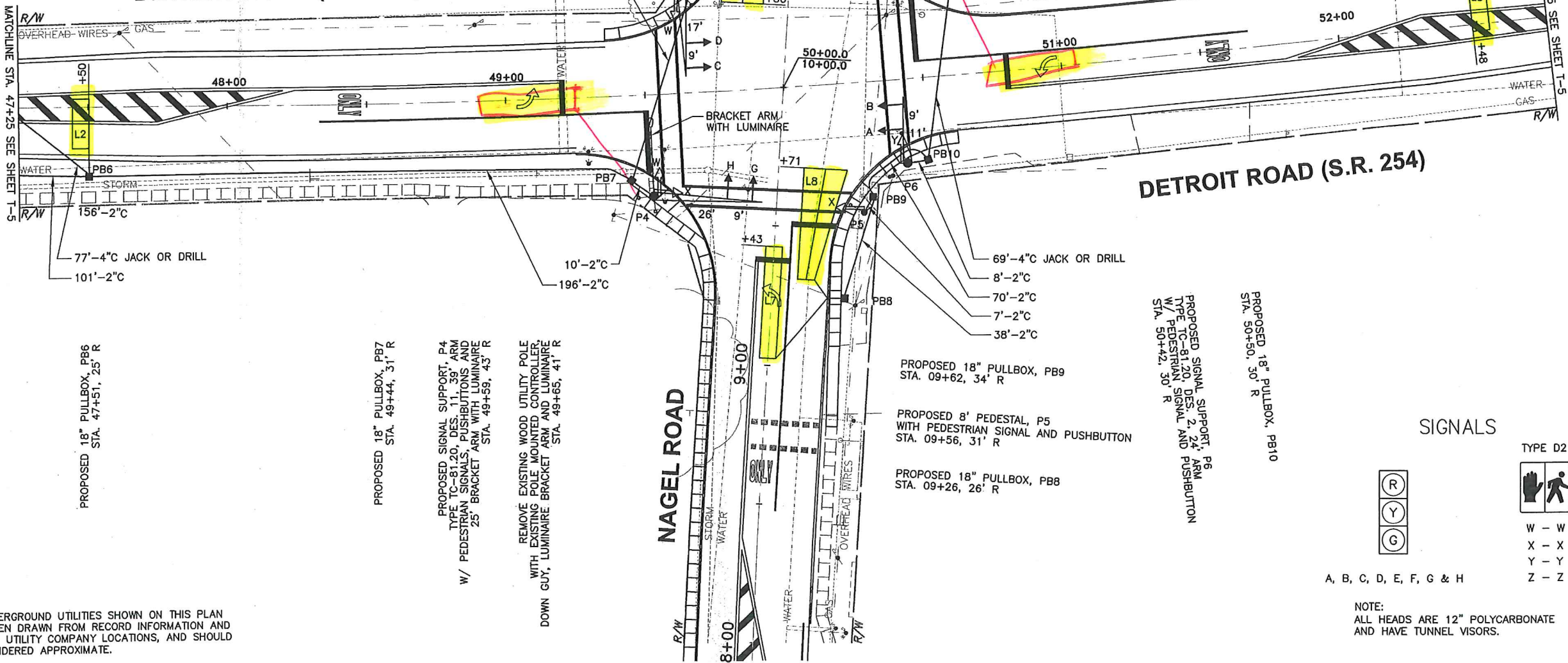
PED SIGNS



SPECIAL
9" x 12"
QTY = 4



SPECIAL
9" x 12"
QTY = 4



NOTE:
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HAVE BEEN DRAWN FROM RECORD INFORMATION AND
OR FROM UTILITY COMPANY LOCATIONS, AND SHOULD
BE CONSIDERED APPROXIMATE.

PROPOSED 18" PULLBOX, PB12
STA. 52+48, 25' L

PROPOSED 24" PULLBOX, PB1
STA. 50+63, 38' L

PROPOSED CONTROLLER WITH
FOUNDATION AND WORK PAD
STA. 50+63, 43' L

PROPOSED SIGNAL SUPPORT, P1
TYPE TC-81.20, DES. 11, 39' ARM
W/ PEDESTRIAN SIGNALS, PUSHBUTTONS
AND POWER SERVICES
STA. 50+31, 44' L

PROPOSED 18" PULLBOX, PB2
STA. 10+80, 22' L

PROPOSED 8' PEDESTAL, P2
W/ PEDESTRIAN SIGNAL AND PUSHBUTTON
STA. 10+46, 29' L

PROPOSED SIGNAL SUPPORT, P3
TYPE TC-81.20, DES. 3, 30' ARM
W/ PEDESTRIAN SIGNAL, PUSHBUTTON
STA. 49+65, 36' L

PROPOSED 18" PULLBOX, PB3
STA. 49+68, 40' L

PROPOSED 18" PULLBOX, PB6
STA. 47+51, 25' R

PROPOSED 18" PULLBOX, PB7
STA. 49+44, 31' R

PROPOSED SIGNAL SUPPORT, P4
TYPE TC-81.20, DES. 11, 39' ARM
W/ PEDESTRIAN SIGNALS, PUSHBUTTONS AND
25' BRACKET ARM WITH LUMINAIRE
STA. 49+59, 43' R

REMOVE EXISTING WOOD UTILITY POLE
WITH EXISTING POLE MOUNTED CONTROLLER
DOWN GUY, LUMINAIRE BRACKET ARM AND LUMINAIRE
STA. 49+65, 41' R

PROPOSED 18" PULLBOX, PB9
STA. 09+62, 34' R

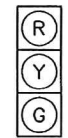
PROPOSED 8' PEDESTAL, P5
WITH PEDESTRIAN SIGNAL AND PUSHBUTTON
STA. 09+56, 31' R

PROPOSED 18" PULLBOX, PB8
STA. 09+26, 26' R

PROPOSED SIGNAL SUPPORT, P6
TYPE TC-81.20, DES. 2, 24' ARM
W/ PEDESTRIAN SIGNAL AND
STA. 50+42, 30' R

PROPOSED 18" PULLBOX, PB10
STA. 50+50, 30' R

SIGNALS

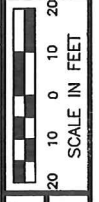


TYPE D2

	W - W
	X - X
	Y - Y
	Z - Z

A, B, C, D, E, F, G & H

NOTE:
ALL HEADS ARE 12" POLYCARBONATE
AND HAVE TUNNEL VISORS.



SCALE IN FEET

TRAFFIC CONTROL PLAN
DETROIT ROAD (S.R. 254) AND NAGEL ROAD

LORAIN COUNTY
CITY OF AVON

T-4

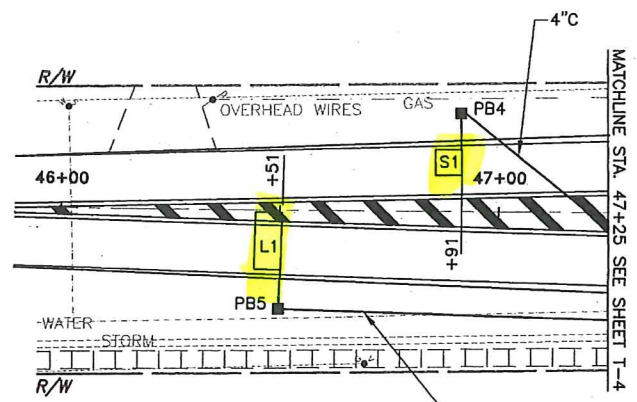
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JOB NUMBER: 04-066
REVISION DATE: 06-21-2004

REVISION DATE: 06-21-2004
 ACAD DRAWING: 04066TPA.DWG
 JOB NUMBER: 04-066

CONVENTIONAL SYMBOLS

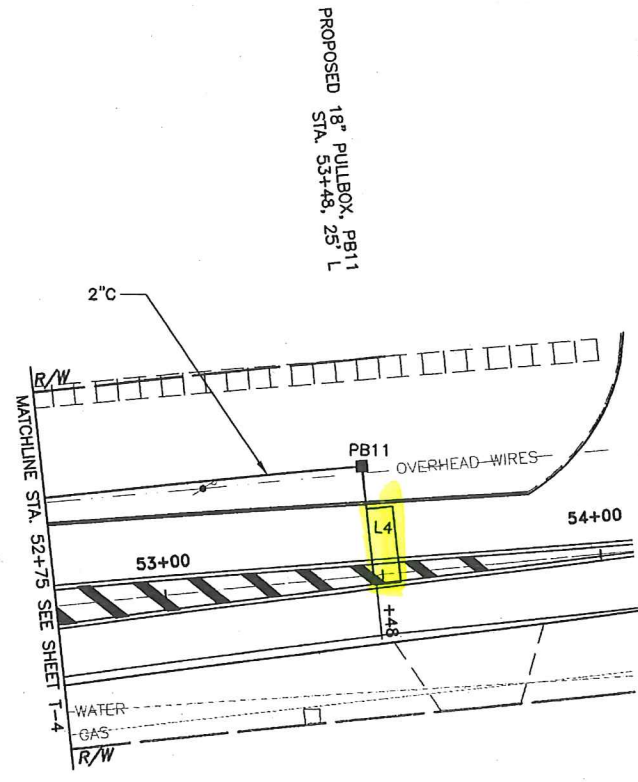
EXISTING RIGHT OF WAY LINE	— R/W —
CENTERLINE	— — — — —
CORPORATION LINE	— — — — —
FENCE LINE	— x —
PROPERTY LINE	— P/L —
PROPOSED RIGHT OF WAY LINE	— — — — —
SEWER	— — — — —
MANHOLE	○
CATCH BASIN	□
GAS	— 3" —
WATER	— 6" —
ELECTRIC	— ELECT. —
UTILITY POLES	○
MONUMENT BOXES	□
SERVICE POLE	□
LOOP DETECTORS	□
MAGNETOMETER DETECTORS	□
SPAN WIRE SUPPORT	●
CANTILEVER SUPPORT	—
SIGN ON WIRE SUPPORT	—
SIGN ON CANTILEVER SUPPORT	—
SIGNAL HEAD, STD. 1-WAY	→
PEDESTRIAN SIGNAL	→
CONDUIT	2" C
PULLBOX	■
CONTROLLER CABINET	□
PREEMPT DETECTOR	□

NOTE:
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 HAVE BEEN DRAWN FROM RECORD INFORMATION AND
 OR FROM UTILITY COMPANY LOCATIONS, AND SHOULD
 BE CONSIDERED APPROXIMATE.



PROPOSED 18" PULLBOX, PB5
 STA. 46+51, 23' R

PROPOSED 18" PULLBOX, PB4
 STA. 46+91, 23' L



PROPOSED 18" PULLBOX, PB11
 STA. 53+48, 25' L



TRAFFIC CONTROL PLAN
 DETROIT ROAD (S.R. 254) AND NAGEL ROAD

LORAIN COUNTY
 CITY OF AVON

T-5