

# DUKE ENERGY

GAS DEPARTMENT

1  
23

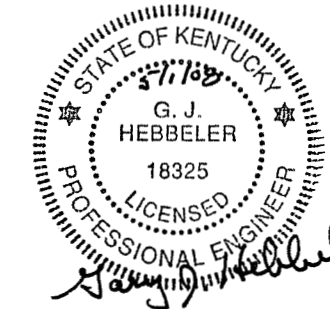
SOUTHEAST DISTRICT

CONTACT GAS SYSTEMS OPERATIONS SUPERVISOR PRIOR TO STARTING JOB TO VERIFY GAS FLOW

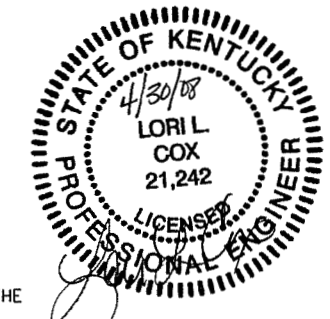
RECEIVED

MAY 05 2008

PUBLIC SERVICE COMMISSION



AUTHORIZED  
NOV.14, 2007  
CONSTRUCTION  
DRAWING



MAIN ABANDONMENT		
3" SC-SP	1930	10'
3" -SP	1925	290'
3" S-SP	1907	292'
3" S-SP	1924	934'
3" S-SP	1925	195'
3" ST-SP	1924	198'
4" CIBS-SP	1907	855'
4" CIBS-SP	1931	48'
4" CIBS-SP	1938	64'
4" CIC-SP	1937	150'
4" CIC-SP	1938	68'
4" CIC-SP	1950	6'
4" CIMJ-SP	1951	13'
4" CI-SP	1907	1550'
4" S-SP	1907	180'
4" S-SP	1924	420'
4" S-SP	1925	490'
4" ST-SP	1925	52'
4" ST-SP	1930	78'
4" SWPC-SP	1982	67'
6" CIMJ-SP	1950	992'
6" SC-SP	1929	216'

NOTE:

1. INSTALL TRACER WIRE BOX EVERY 500' ON THE ENTIRE JOB, PER STD 2.18.1.3
2. STOP OFF MAIN EVERY 500' PER STD 2.13.1.3 WHEN INSERTING TO MAINTAIN SERVICE
3. APPLY FIELD COATING MATERIALS PER STDS. 7.2.1.1 AND 7.2.1.2
4. FIELD BENDING OF PIPE SHALL BE PERFORMED PER STD.2.18.10
5. ALL GAS MAIN BEING INSERTED IS TO BE INSERTED INTO EX GAS MAIN

VICINITY MAP  
N.T.S.

WELDING PROCEDURE(S) REQUIRED	PIPE INSTALLED ON JOB					PERMIT(S) REQUIRED
	SIZE	KIND	WALL THICKNESS	EST. QUANTITIES	ACTUAL QUANTITIES	CITY OF LUDLOW
SPEC. #	2"	PL		3,525'		
SPEC. #	4"	PL		3,159'		
SPEC. #	6"	PL		7'		
SPEC. #						
SPEC. #						
	TOTAL ACTUAL INSTALLED					
DESIGN REVIEW OF COMPLETED CONSTRUCTION JOB		CORROSION ENGINEERING		UTILITY LOCATION CONTACTS		
SPONSOR _____ DATE _____		APPR. BY: _____		TELEPHONE: 1-800-752-6007		
FIELD CHANGE REQUEST DOCUMENT REQUIRED: YES <input type="checkbox"/> NO <input type="checkbox"/>		COATING TYPE _____		ELECTRIC: 1-800-752-6007		
TRANSMISSION DESIGN DOCUMENT REQUIRED: YES <input type="checkbox"/> NO <input type="checkbox"/>		INSPECTION: VISUAL <input type="checkbox"/> JEEP <input type="checkbox"/> TYPE PATCH MATERIAL _____		SAN. SEWER: 578-7450		
		CONDITION OF PIPE COATING WHEN DELIVERED TO JOB: GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR <input type="checkbox"/>		STORM SEWER: 491-1233		
		INSULATION CHECKED <input type="checkbox"/>		WATER: 426-2721		
		NO. CHECKED _____		CABLE T.V.: 431-7766		
				MUNICIPALITY: CITY OF LUDLOW 491-1233		
FIELD PRESSURE TEST		SUPERVISOR BLOCK		GAS CONTACTS		
ALL PIPELINES REQUIRED TESTING BEFORE PLACING INTO SERVICE. PRESSURE CHARTS AND FORMS SHOULD BE FORWARDED TO GAS ENGINEERING AND PLANNING		SUPERVISOR OR CONTRACTOR _____		CONSTRUCTION: STEVE FARLEY (W) 513-287-2588		
REQUIRED TEST PRESSURE RANGE:		RECORDED BY _____		ENGINEERING SPONSOR: DAN SCHULER (W) 513-287-2152 (C) 513-509-0328		
MIN. _____ PSIG TO MAX _____ PSIG		DATE STARTED _____ DATE PLACED IN SERVICE _____				
HOURS _____ MEDIUM _____		DATE COMPLETED _____ PERMIT NO. _____				
TESTED BY _____ DATE _____						
				DRAWN _____ NEI 08-27-04		
				CHECKED _____		
				APPROVED _____		
				CLOSED BY _____		
				EST. FOOTAGE 6,691'		
				PASSPORT # 00603990		
				MOD 315		
				MAIN REPLACEMENT		
				LUDLOW, KENTON CO., KENTUCKY		

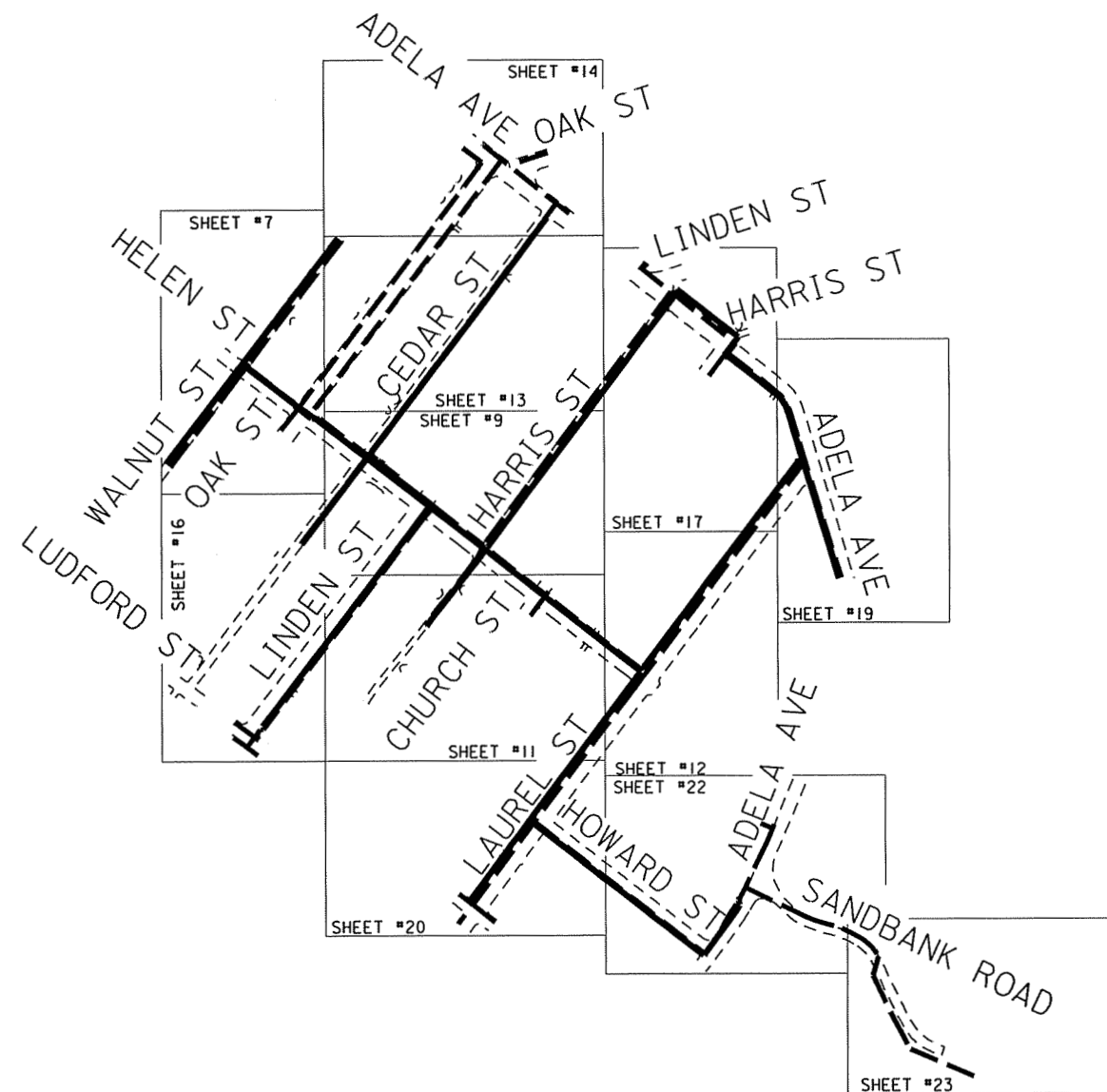
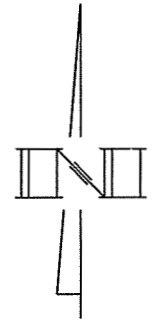
CPCN Filing  
April, 2008  
Module 315

AUG.02,07  
S01W01-26, 27,34,35

REVISIONS

MAP NO. S 0 1 W 0 1 - 2 6 DRAWING NO. 0 5 - 8 3 1 5 - 3



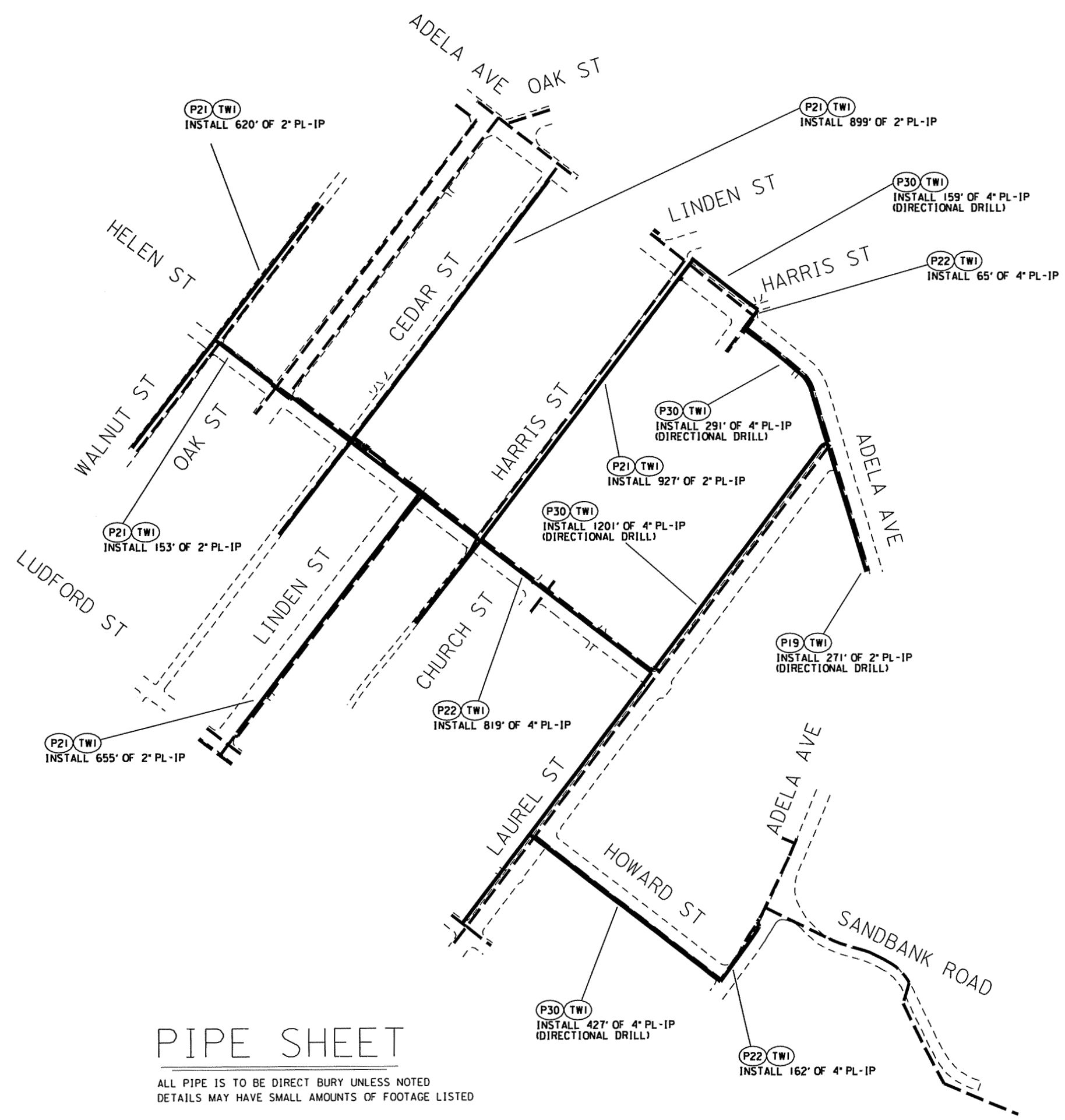
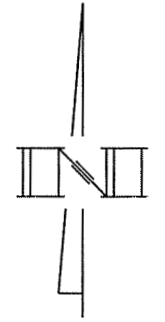


SITE PLAN

REVISIONS

AUG.02,07

05-8315-3



# PIPE SHEET

ALL PIPE IS TO BE DIRECT BURY UNLESS NOTED  
DETAILS MAY HAVE SMALL AMOUNTS OF FOOTAGE LISTED

REVISIONS

AUG.02,07

** GAS MAIN REPLACEMENT **															
** SERVICE CHECK LIST **															
( SUBJECT TO STANDARD FIELD CHECK )															
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	LOC	SDWK	DWAY	PAV	SOD	OUT	COMMENTS
7	0025743	304	ADELA	1	P5	35	4	NN	IS						
		304	ADELA						OS						
7	0362032	308	ADELA	1	P7	35	3	SS	IS						
7	0025746	310	ADELA	2	CU	32	15	WE	IS						
7	0025724	314	ADELA	2	SPC	15	28	EW	IS						
7	0025749	412	ADELA	1 1/2	S	37	2	SN	IS						
7	0025750	512	ADELA	1 1/2	S	12	1	NS	OS						
7	0488759	512	ADELA	3	P7	3	23	WW	OS						
7	0025728	513	ADELA	1 1/4	CU	41	2	SN	IS						
7	0025751	612	ADELA	1 1/2	S	1	14	EW	IS						
7	0392782	612	ADELA	1 1/4	P7	1	13	EW	IS						
7	0383205	109	HELEN	1 1/4	SPC	5	2	EW	IS						
7	0026511	305	HELEN	1 1/4	SPC	7	14	NS	IS						
7	0026512	307	HELEN	1	P5	4	13	EW	IS						
7		309	HELEN												SERVED BY 307 HELEN
7	0026618	301	HOWARD	1	P7	33	1	NN	IS						
7	0026619	302	HOWARD	1	P7	2	3	SN	IS						
7	0026620	303	HOWARD	1	P7	28	2	SN	IS						
7	0026621	304	HOWARD	1	P5	1	2	SS	OS						
7	0026622	307	HOWARD	1	P5	1	1	NN	IS						
7	0026623	308	HOWARD	1	P5	1	2	NN	IS						
7	0026624	309	HOWARD	1	P5	28	2	NN	IS						
7	0026625	310	HOWARD	1	P5	1	1	NN	IS						
7	0026626	313	HOWARD	1	P7	28	1	SN	IS						
7	0026627	314	HOWARD	1	P7	1	1	NN	IS						
7	0026628	315	HOWARD	1 1/2	S	27	3	NN	IS						
7	0026629	316	HOWARD	1 1/2	S	2	1	SN	IS						
7	0026630	319	HOWARD	1 1/2	S	27	1	SN	IS						
7	0026631	320	HOWARD	1 1/2	S	2	1	NN	IS						
7	0026632	321	HOWARD	1 1/4	SPC	27	1	SN	IS						
7	0026633	322	HOWARD	1 1/2	S	2	1	NN	IS						
7	0026634	323	HOWARD	1	P5	26	6	SN	IS						
7	0026635	326	HOWARD	1	P5	5	1	NN	IS						
7	0026636	327	HOWARD	1	P7	37	3	SN	IS						
7	0026637	328	HOWARD	1	P5	1	1	SN	IS						
7	0026638	329	HOWARD	1	P5	28	2	SN	IS						
7	0026639	330	HOWARD	1 1/2	S	2	1	NS	IS						
7	0026640	331	HOWARD	1 1/2	S	27	1	SN	IS						
7	0026641	332	HOWARD	1 1/2	S	2	1	NN	IS						
7	0358882	508	LAUREL				3	EE	OS						

** GAS MAIN REPLACEMENT **															
** SERVICE CHECK LIST **															
( SUBJECT TO STANDARD FIELD CHECK )															
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	LOC	SDWK	DWAY	PAV	SOD	OUT	COMMENTS
7	0026744	510	LAUREL	1 1/2	S	8	1	WE	IS						
7	0026745	512	LAUREL	1 1/2	S	8	1	EE	IS						
7	0026746	514	LAUREL	1 1/2	S	8	2	EW	IS						
7	0026747	516	LAUREL	1	P5	8	4	EW	IS						
7	0026732	517	LAUREL	1 1/4	P7	35	4	WW	OS						
7	0026749	518	LAUREL	1	P5	8	6	EW	IS						
7	0026750	519	LAUREL	1	P5	30	1	EW	IS						
7	0026751	520	LAUREL	1 1/2	S	8	1	EW	IS						
7	0026752	521	LAUREL	1	P5	37	1	EW	IS						
7	0026753	522	LAUREL	1 1/2	S	8	1	WW	IS						
7	0026754	524	LAUREL	1 1/2	S	8	1	WE	IS						
7	0026755	525	LAUREL	1	P5	36	2	EW	IS						
7	0026756	526	LAUREL	1 1/2	S	8	1	EW	IS						
7	0026757	527	LAUREL	1 1/2	S	31	9	WE	IS						
7	0026758	528	LAUREL	1 1/2	S	6	1	WW	IS						
7	0026759	529	LAUREL	1	P7	26	10	WE	IS						
7	0026760	530	LAUREL	1	P7	5	1	WE	IS						
7	0026761	531	LAUREL	1 1/2	S	31	9	WE	IS						
7	0026762	532	LAUREL	1 1/2	S	8	5	EW	IS						
7	0026763	533	LAUREL	1 1/2	S	31	8	WE	IS						
7	0026764	534	LAUREL	1 1/2	S	8	11	WE	IS						
7	0026765	535	LAUREL	1 1/2	S	31	9	WE	IS						
7	0026766	536	LAUREL	1 1/2	S	6	1	WE	IS						
7	0026767	537	LAUREL	1 1/2	S	31	9	WE	IS						
7	0026768	538	LAUREL	1 1/2	S	6	1	WE	IS						
7	0026743	539	LAUREL	1 1/2	S	37	9	WE	IS						
7	0026771	541	LAUREL	1	P7	38	9	WE	IS						
7	0026770	542	LAUREL	1 1/2	S	6	2	WE	IS						
7	0026773	543	LAUREL	1 1/2	S	37	8	WE	IS						
7	0026774	544	LAUREL	1 1/2	S	8	1	WE	IS						
7	0026775	545	LAUREL	1 1/2	S	37	0	?							
7	0026776	546	LAUREL	1	P7	7	5	WE	OS						
7	0026735	548	LAUREL	1	P7	8	8	EW	IS						
7	0026777	549	LAUREL	1 1/4	CU	43	2	EW	IS						
7	0026778	601	LAUREL	1 1/4	CU	36	1	EW	IS						
7	0360279	602	LAUREL			0	2	WE	IS						
7	0026781	603	LAUREL	1 1/4	CU	36	2	WW	IS						
7	0026782	604	LAUREL	1 1/2	S	5	1	WE	IS						
7	0026783	605	LAUREL	1	P5	38	1	EW	IS						
7	0026784	607	LAUREL	1	P5	36	1	WW	IS						

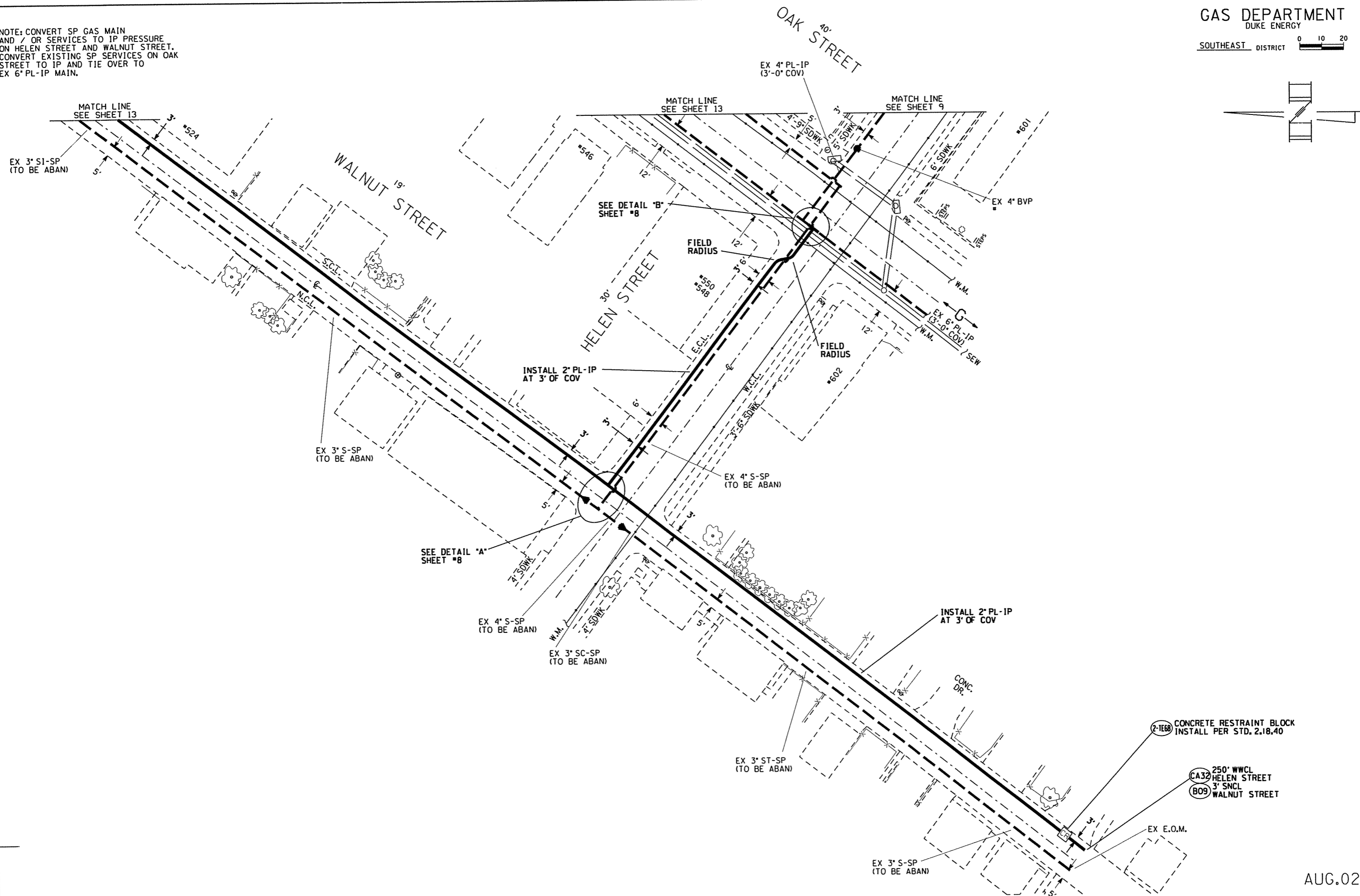
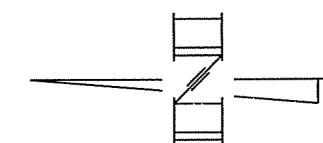
** GAS MAIN REPLACEMENT **															
** SERVICE CHECK LIST **															
( SUBJECT TO STANDARD FIELD CHECK )															
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	LOC	SDWK	DWAY	PAV	SOD	OUT	COMMENTS
7	0027201	521	OAK	1 1/2	S	30	10	EW	IS						
7	0027202	523	OAK	1	P7	17	4	WE	IS						
7	0027203	524	OAK	1	P7	37	10	EW	IS						
7	0027204	525	OAK	1 1/2	S	40	3	WE	IS						
7	0027206	527	OAK	1 1/2	S	12	4	EW	IS						OFF CEDAR
7	0027208	529	OAK	1 1/2	S	40	2	EW	IS						
7	0027210	531	OAK	1 1/2	S	40	11	EW	IS						
7	0027213	535	OAK	1 1/2	S	40	3	EW	IS						
7	0027214	536	OAK	1	P5	37	2	WE	IS						
7	0027215	537	OAK	1	P7	7	4	EW	IS						
7	0027216	539	OAK	1 1/2	S	40	2	EW	IS						
7	0027217	540	OAK	1	P7	25	5	EW	IS						
7	0027218	541	OAK	1 1/2	S	40	3	EW	IS						
7	0292287	542	OAK	1	CU	36	6	EW	IS						
7	0027181	543	OAK	1 1/2	S	40	2	EW	IS						
7	0027221	544	OAK	1 1/2	S	13	2	EW	IS						
7	0379783	546	OAK			0	3	EW	IS						
7	0027222	547	OAK	1 1/4	S	40	5	EW	IS						
7		548	OAK												SERVED BY 550 OAK
7	0027224	549	OAK	1 1/2	S	40	13	EW	IS						
7	0027225	550	OAK	1 1/2	S	4	6	NS	IS						OFF HELEN
7	0027226	601	OAK	1	P5	14	2	WE	IS						

** GAS MAIN REPLACEMENT **															
** SERVICE CHECK LIST **															
( SUBJECT TO STANDARD FIELD CHECK )															
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	LOC	SDWK	DWAY	PAV	SOD	OUT	COMMENTS
7	0026785	608	LAUREL	1 1/2	S	5	3	WE	IS						
7	0026786	610	LAUREL	1 1/2	S	5	1	EW	IS						
7	0026787	614	LAUREL	1	P5	5	1	WE	IS						
7	0026788	616	LAUREL	1 1/2	S	5	1	WE	IS						
7	0026789	617	LAUREL	1 1/4	CU	36	8	WE	IS						
7	0026790	618	LAUREL	1 1/4	S	8	1	WW	IS						
7	0026791	619	LAUREL	1 1/4	CU	17	6	WE	IS						
7	0026792	620	LAUREL	1 1/4	S	8	3	EW	OS						
7	0026793	622	LAUREL	1	P7	16	2	EE	IS						
7	0026794	626	LAUREL	1 1/2	S	8	1	WW	IS						
7	002														

JOB MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST	ACTUAL
2-TE68	2" x 1" ELECTROFUSION TEE	0000903925	12	
2-TE70	4" IPS x 1" CTS ELECTROFUSION TEE	0050093846	2	
B09	ROUND VALVE BOX	0050057322	28	
	ROUND VALVE BOX LID	0050057324	28	
CA3	4" M.J. CAP	0050057329	3	
CA32	2" IPS PURGE POINT FITTING	0050057593	7	
CA8	3" WELD CAP	0050057336	1	
CO2	3" COUPLING #38 S-S NON-INS	0050057417	1	
CO30	6" ELECTROFUSION COUPLING	0050091357	4	
CO39	2" ELECTROFUSION COUPLING	0050057409	15	
CO41	4" ELECTROFUSION COUPLING	0050057407	35	
EL38	4" - 45 DEG. IPS BUTT FUSION ELL	0050057554	5	
EL39	4" - 90 DEG. IPS BUTT FUSION ELL	0050057555	3	
P19	2" PLASTIC PIPE - 500' .216 SDR 11	0050056008	1'	
P21	2" IPS PLASTIC PIPE - 40' .216 SDR 11	0050056057	3,254'	
P22	4" IPS PLASTIC PIPE - 40' .395 SDR 11.5	0050056058	1,081'	
P27	6" IPS PLASTIC PIPE - 40' .491 SDR 13.5	0050088398	7'	
P30	4" IPS PLASTIC PIPE - 500' COIL .395 SDR 11.5	0000900260	2,078'	
RE11	4" IPS x 2" IPS BUTT FUSION REDUCER	0050057758	10	
RE15	6" IPS x 4" IPS BUTT FUSION REDUCER	0050088410	1	
SB	TRACER WIRE SPLIT BOLT	0000933615	14	
TE38	2" IPS BUTT FUSION TEE	0050057865	1	
TE39	4" IPS BUTT FUSION TEE	0050057867	12	
TE63	6" x 6" SDR 13.5 x 2" IPS REDUCING BUTT FUSION BRANCH TEE	0050092518	1	
TW1	TRACER WIRE	0050119416	13,382'	
WAXC	COLD WAX TRENTON GREY COAT	0050086637	1	
WAXH	HOT WAX TRENTON INNER COAT	0050086635	2	
WAXI	WAX IMPREGNATED PLASTIC (TRENTON GUARD WRAP)	0050058162	33	
WAXP	WAX PRIMER TRENTON PRIME COAT	0050085819	1	
AT	AQUA SEAL TAPE	667667	1	
BT	1" ROLL BLACK TAPE	0050086501	15	
TAPE	3/4" ROLL TAPE	0050066551	10	
CAN	CAN OF FOAM	0050092405	31	
CA27	2" IPS BUTT FUSION CAP	0050057346	2	
CA28	4" IPS BUTT FUSION CAP	0050057347	2	
CA30	6" IPS BUTT FUSION CAP	0050088404	2	
CA31	8" IPS BUTT FUSION CAP	0050092510	2	

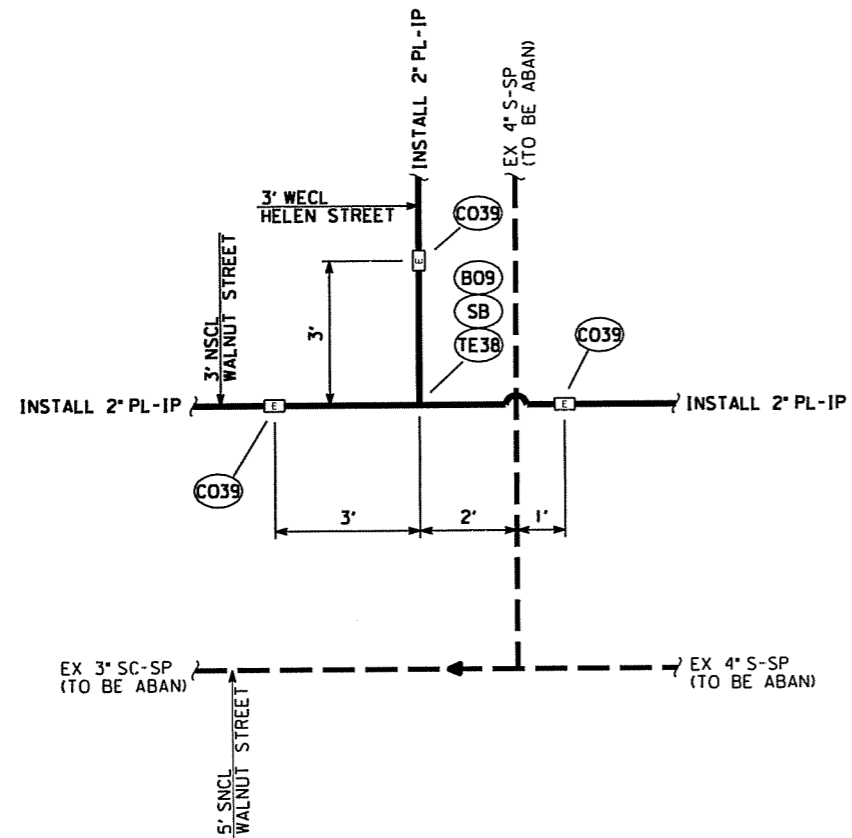
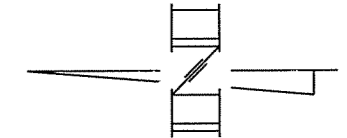
NOTE: CONVERT SP GAS MAIN AND / OR SERVICES TO IP PRESSURE ON HELEN STREET AND WALNUT STREET. CONVERT EXISTING SP SERVICES ON OAK STREET TO IP AND TIE OVER TO EX 6" PL-IP MAIN.



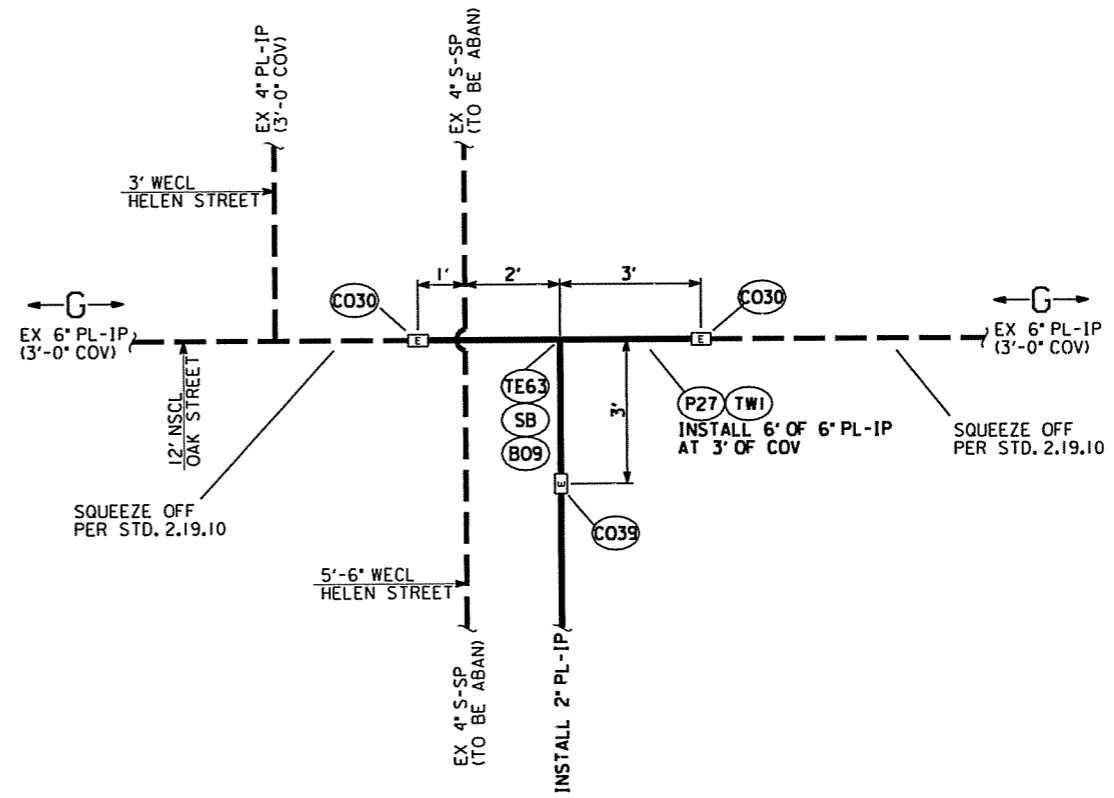
REVISIONS

AUG.02,07

05-8315-3



DETAIL "A"  
N.T.S.  
(FROM SHEET #7)



DETAIL "B"  
N.T.S.  
(FROM SHEET #7)

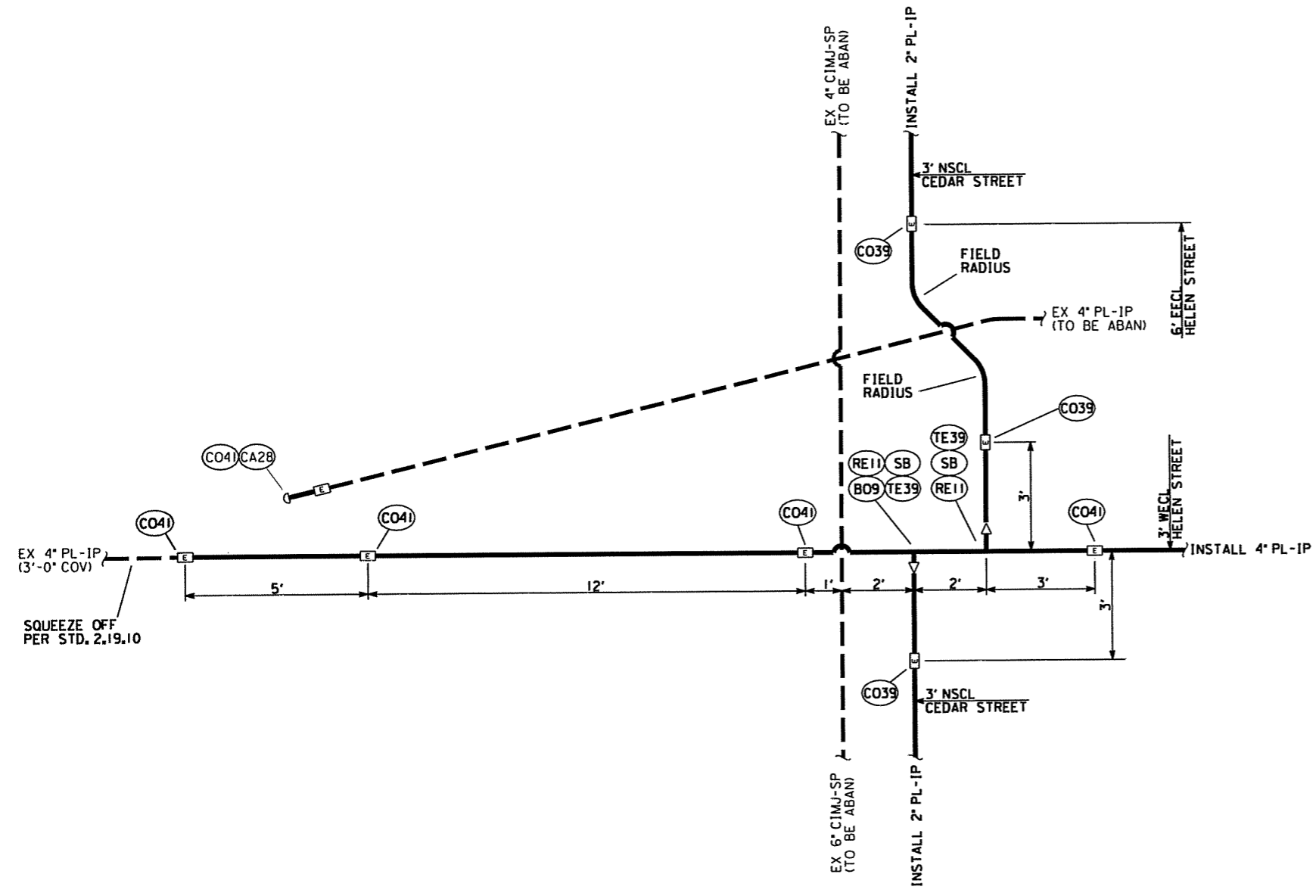
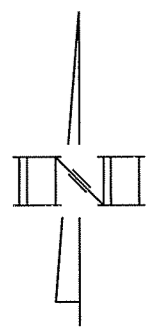
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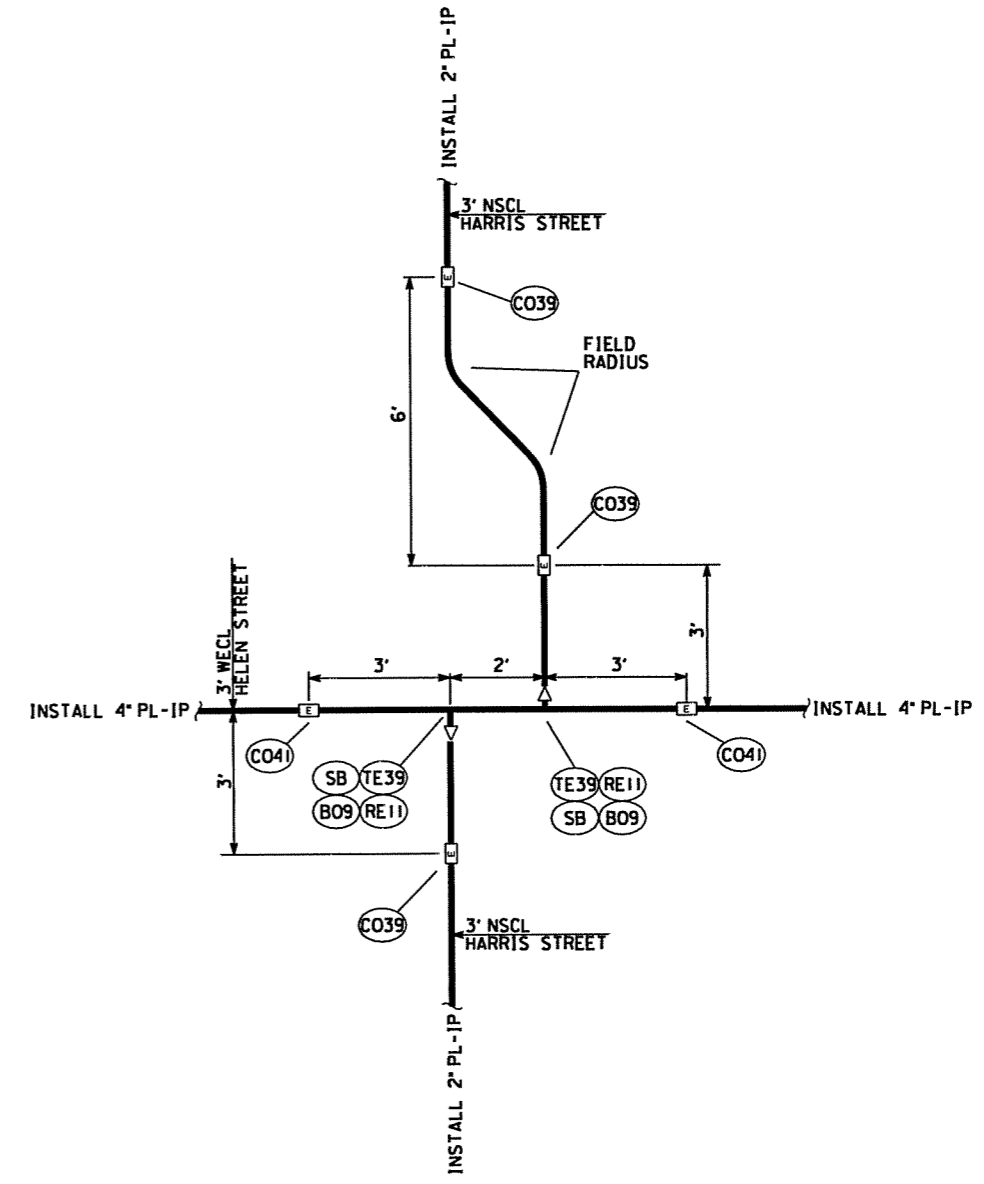
05-8315-3







DETAIL "C"  
N.T.S.  
(FROM SHEET #9)

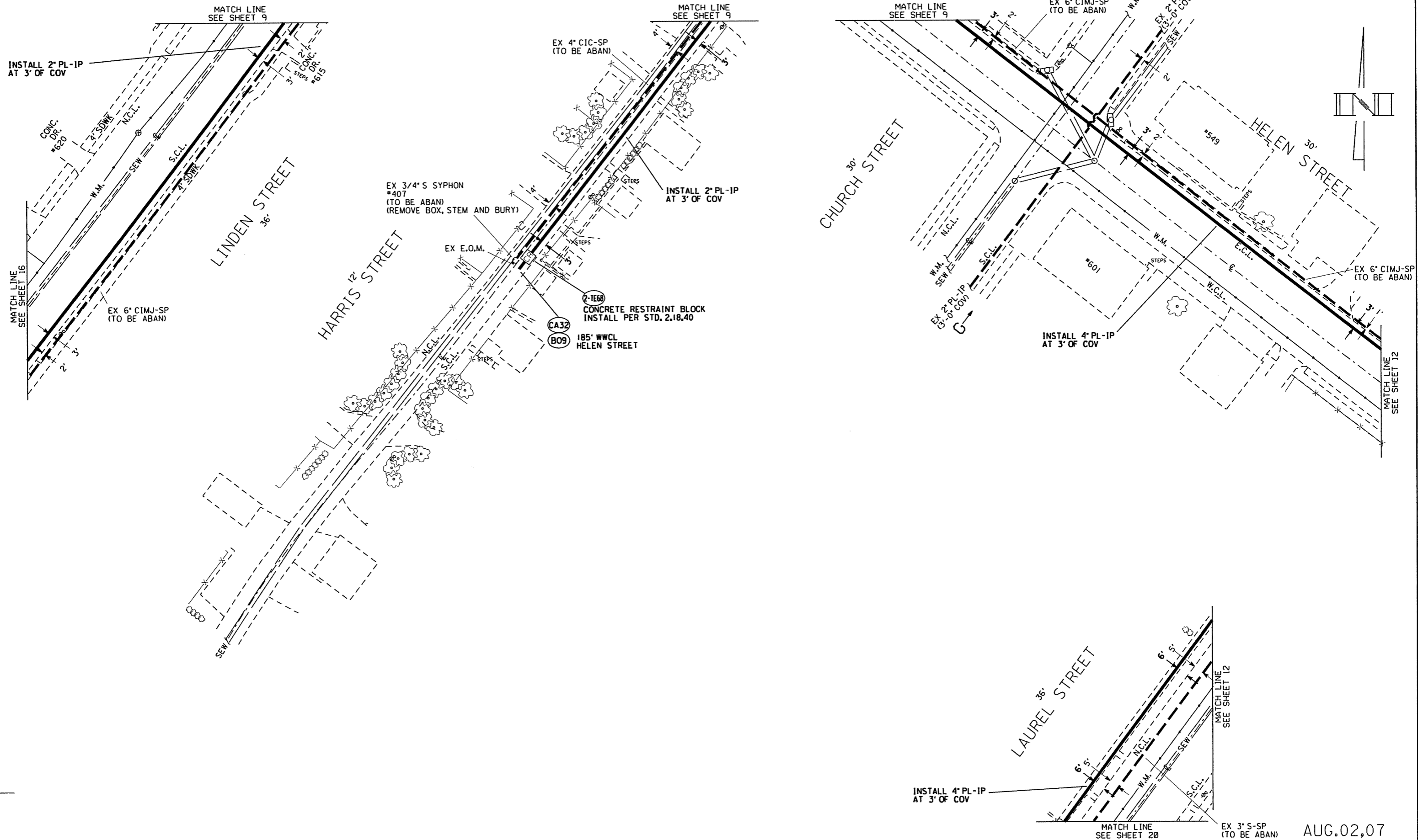


DETAIL "D"  
N.T.S.  
(FROM SHEET #9)

REVISIONS

AUG.02,07

NOTE: CONVERT SP GAS MAIN  
AND / OR SERVICES TO IP PRESSURE

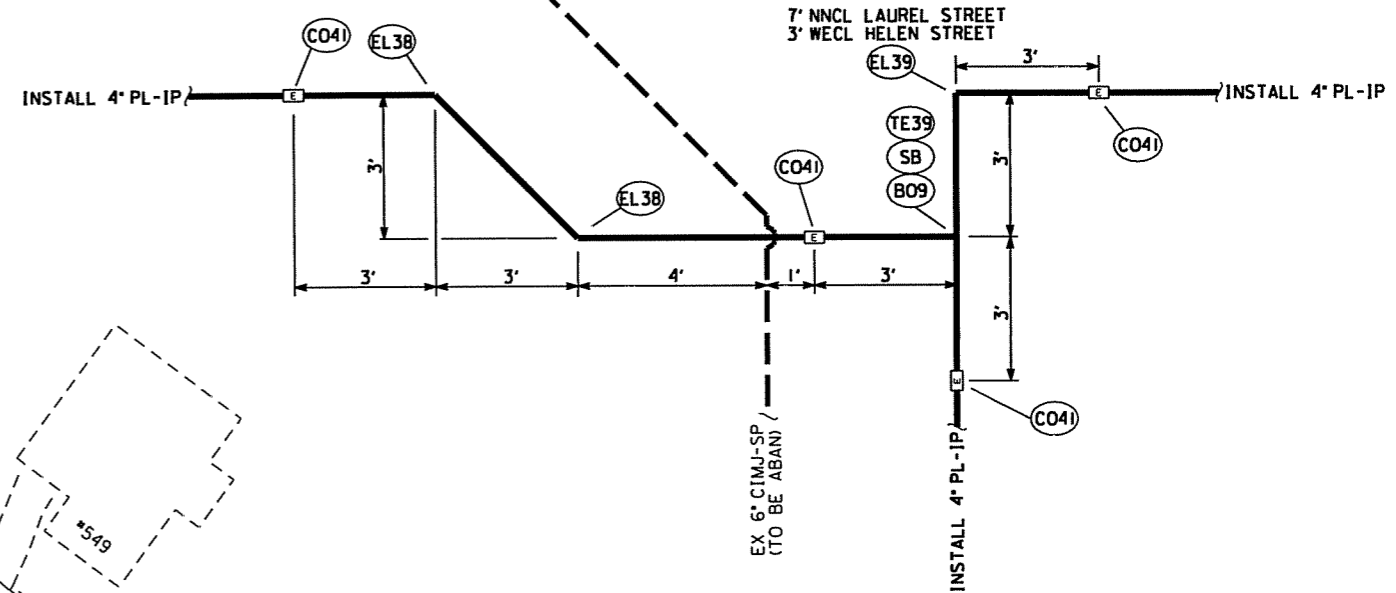
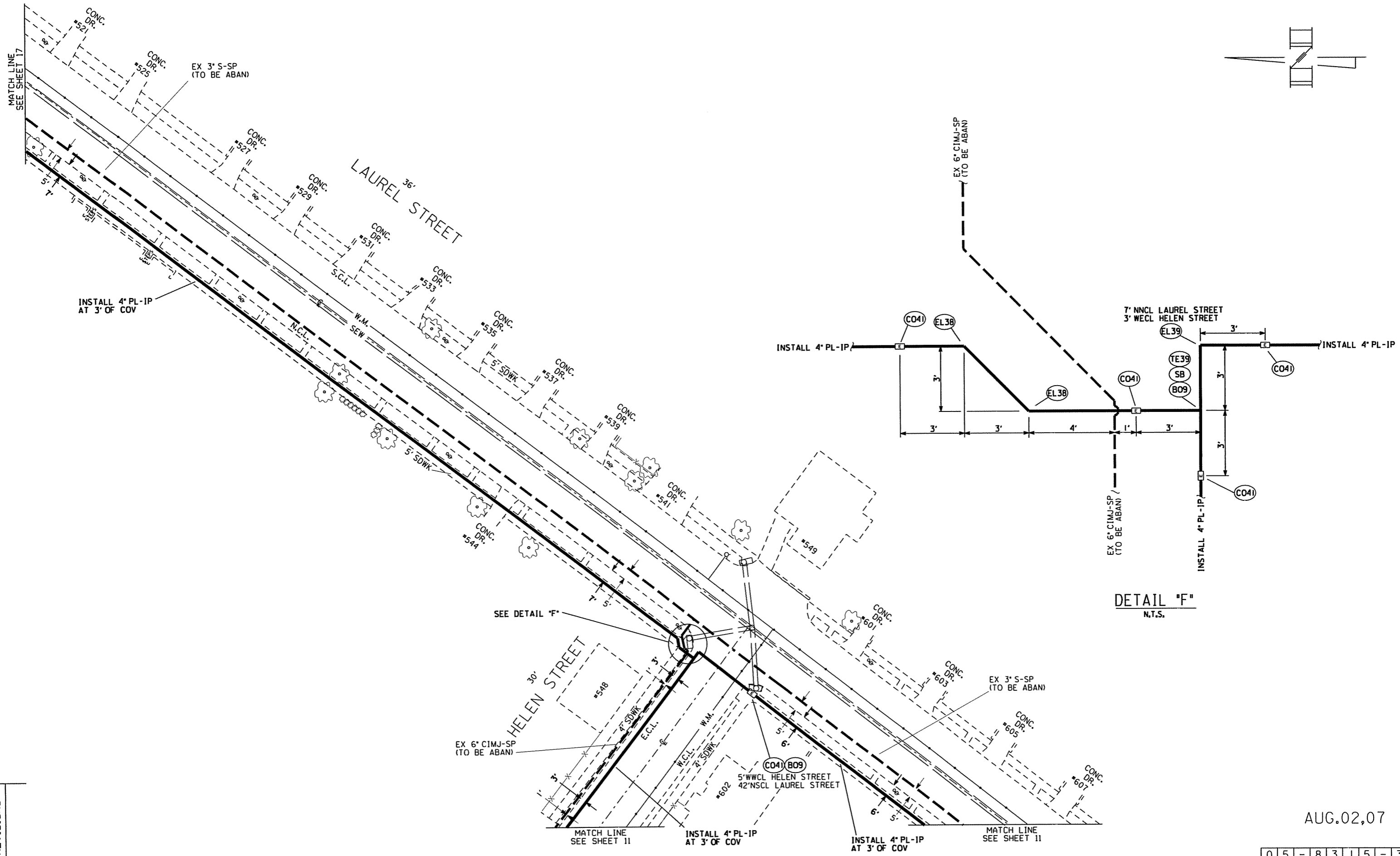
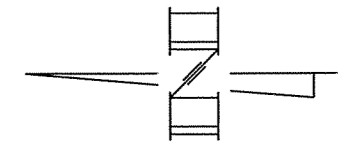
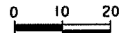


REVISIONS

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NOTE: CONVERT SP GAS MAIN  
AND / OR SERVICES TO IP PRESSURE

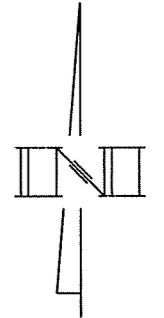


DETAIL 'F'  
N.T.S.

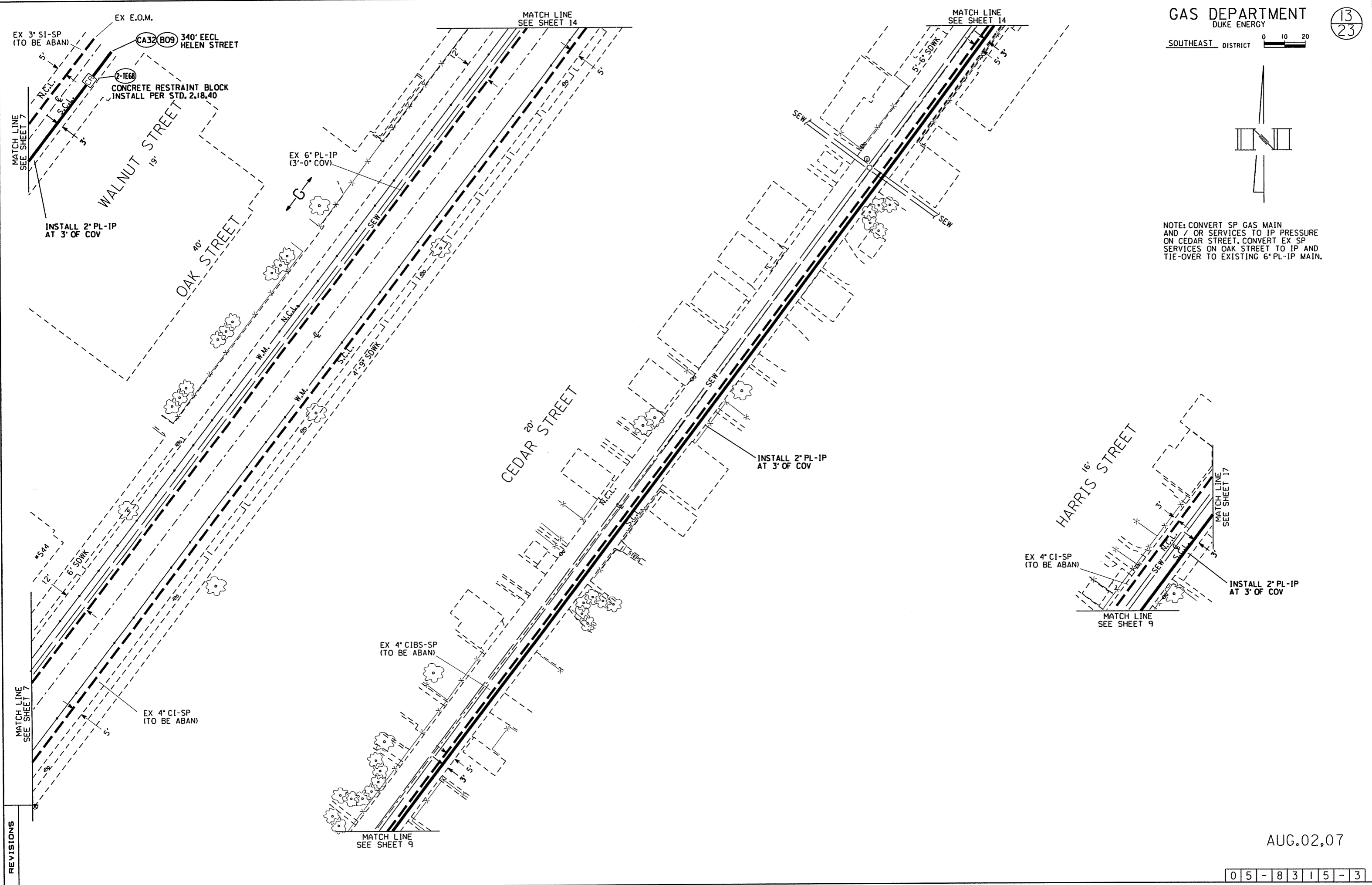
REVISIONS

AUG.02,07

05-8315-3



NOTE: CONVERT SP GAS MAIN AND / OR SERVICES TO IP PRESSURE ON CEDAR STREET. CONVERT EX SP SERVICES ON OAK STREET TO IP AND TIE-OVER TO EXISTING 6" PL-IP MAIN.

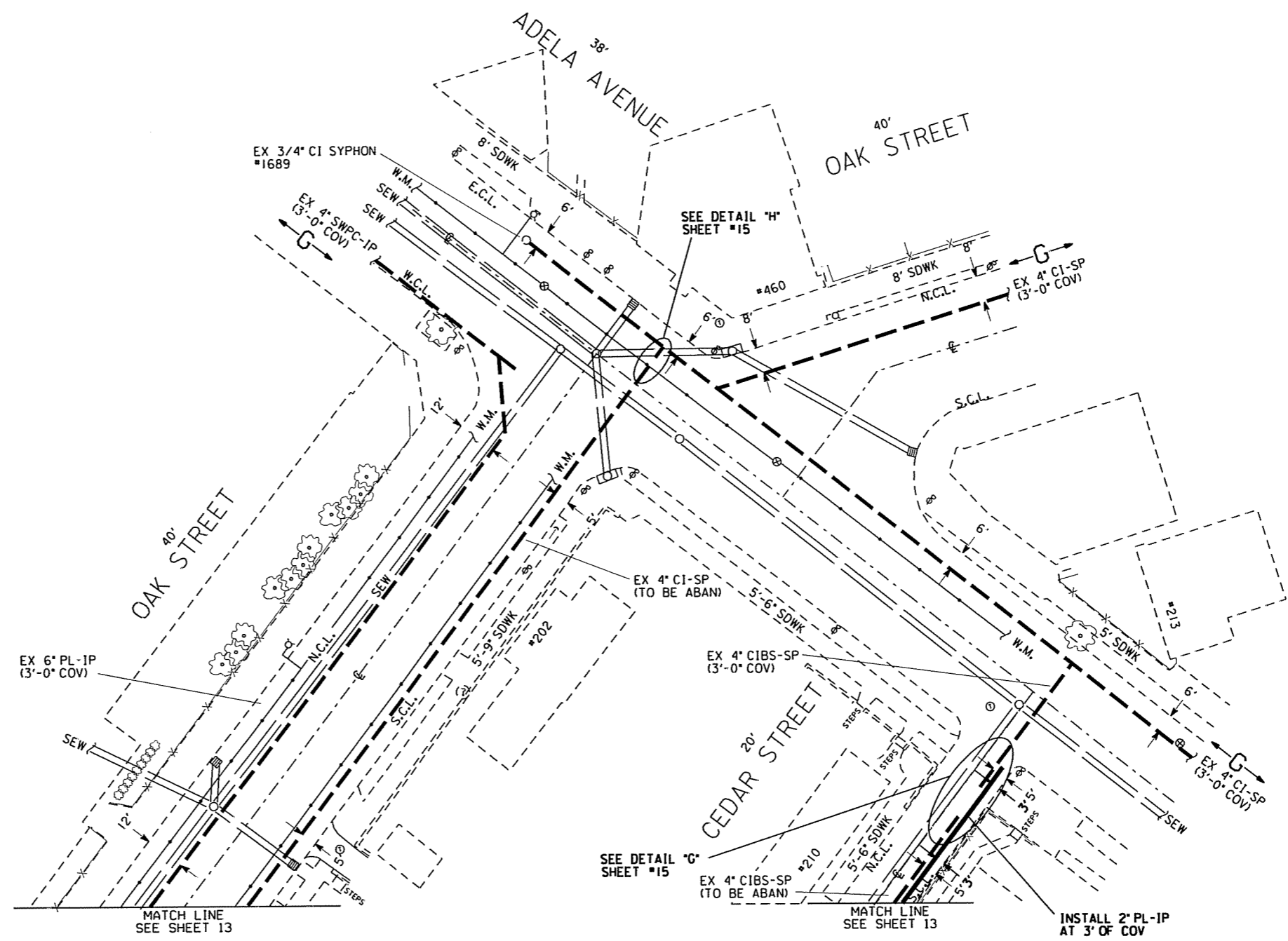
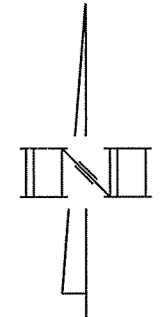


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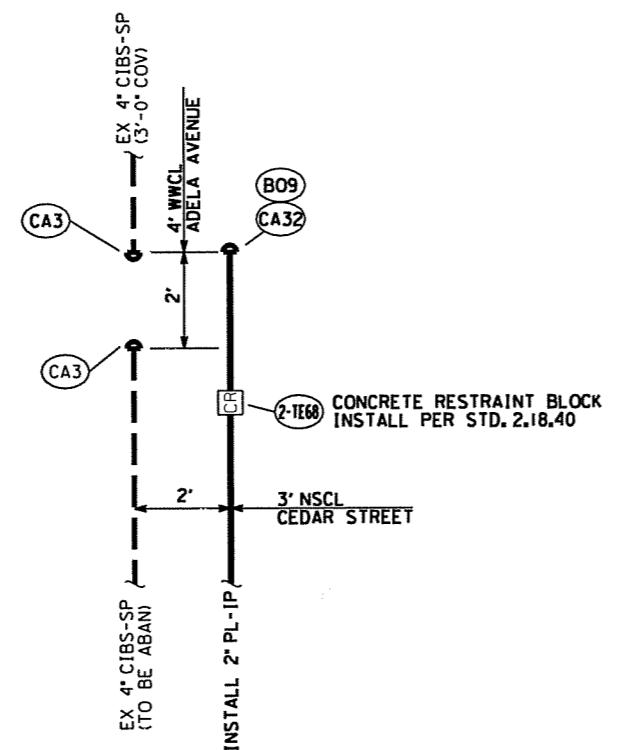
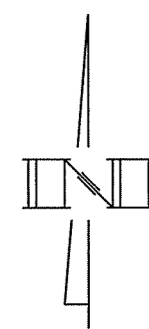
NOTE: CONVERT SP SERVICES ON CEDAR STREET FROM INTERSECTION OF ADELA - SOUTH TO IP PRESSURE AND TIE-OVER TO NEW IP MAIN. CONVERT SP SERVICES ON OAK STREET TO IP PRESSURE AND TIE-OVER TO EX 6" PL-IP MAIN.



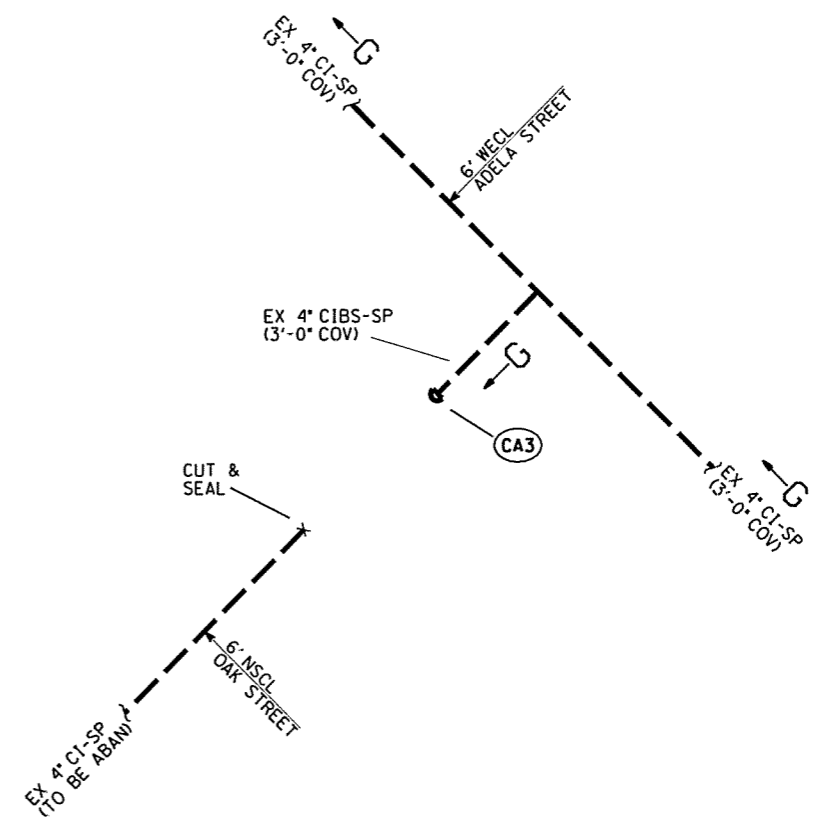
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**DETAIL "G"**  
N.T.S.  
(FROM SHEET #14)



**DETAIL "H"**  
N.T.S.  
(FROM SHEET #14)

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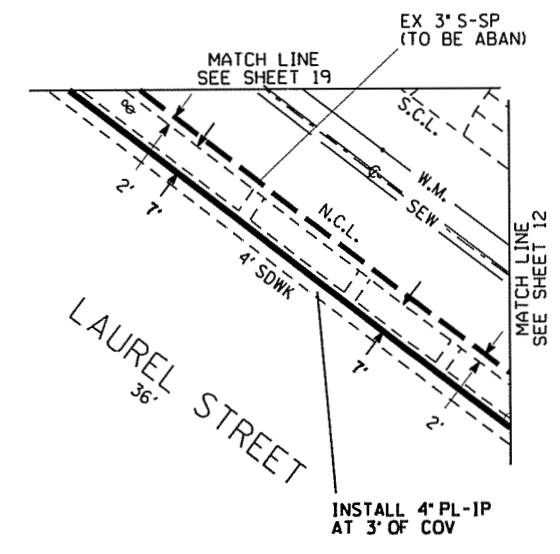
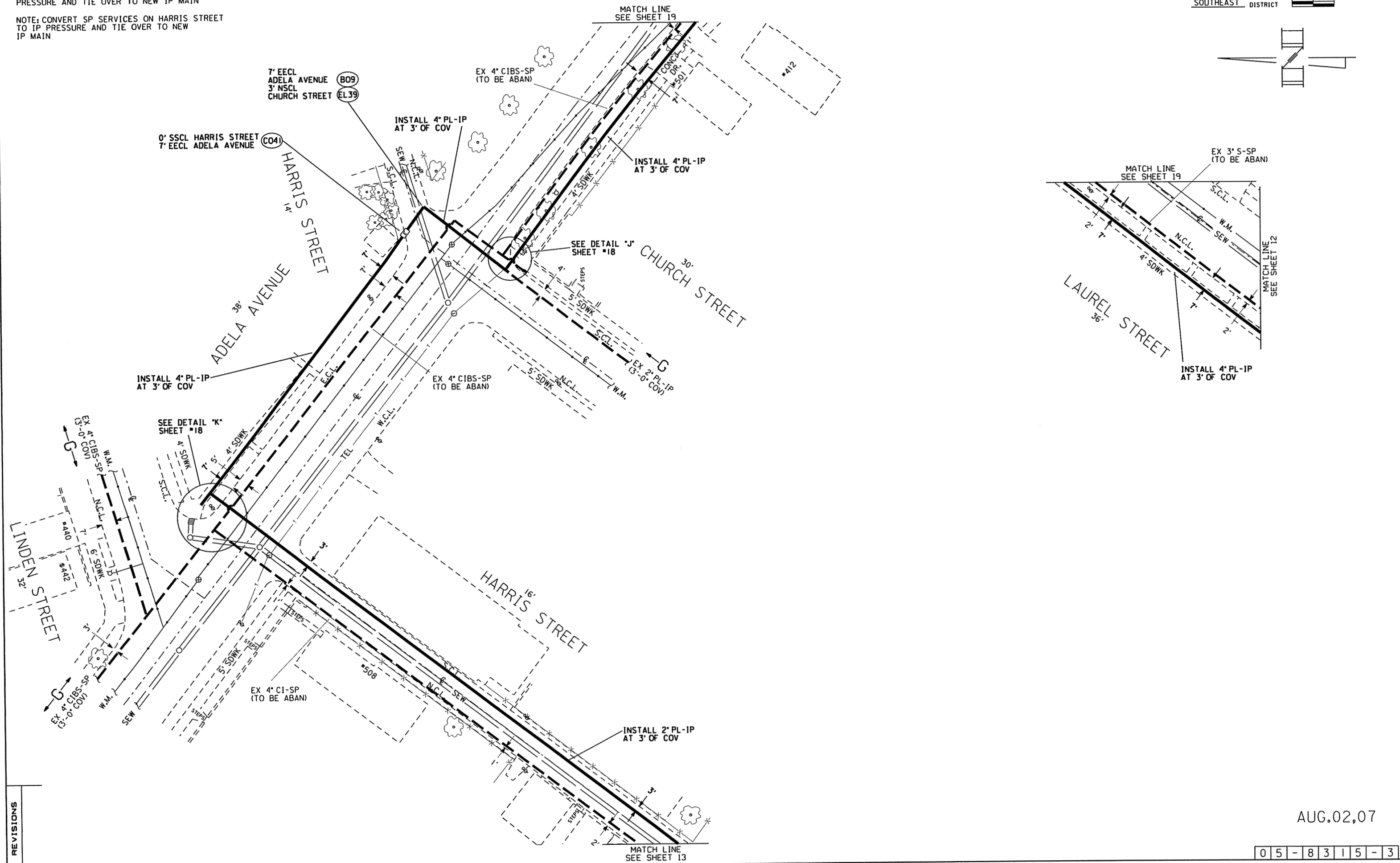
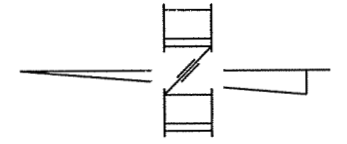
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NOTE: CONVERT SERVICES ON ADELA AVENUE  
BETWEEN CHURCH AND HARRIS TO IP  
PRESSURE AND TIE OVER TO NEW IP MAIN

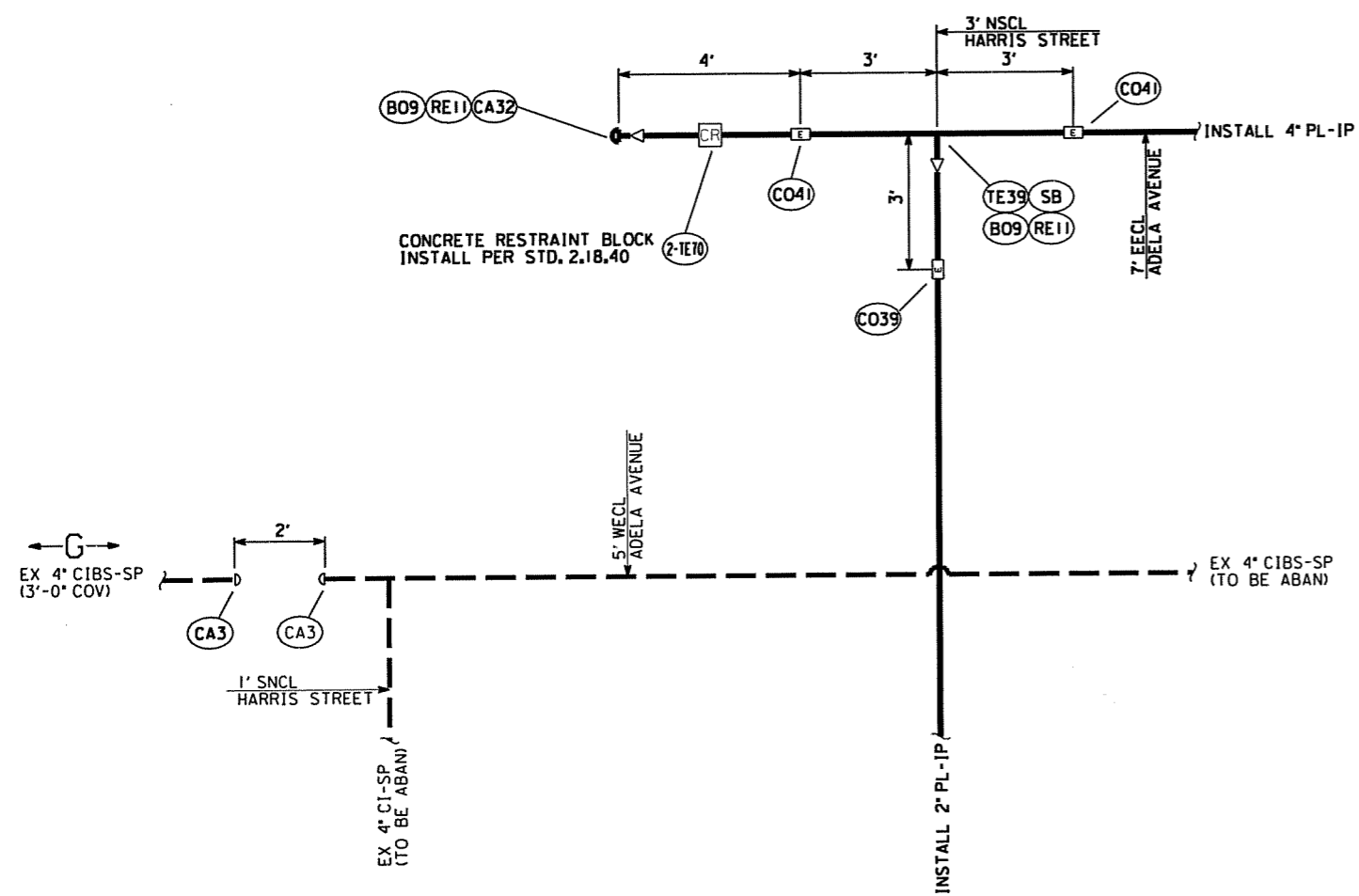
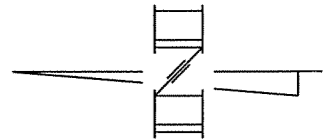
NOTE: CONVERT SP SERVICES ON HARRIS STREET  
TO IP PRESSURE AND TIE OVER TO NEW  
IP MAIN



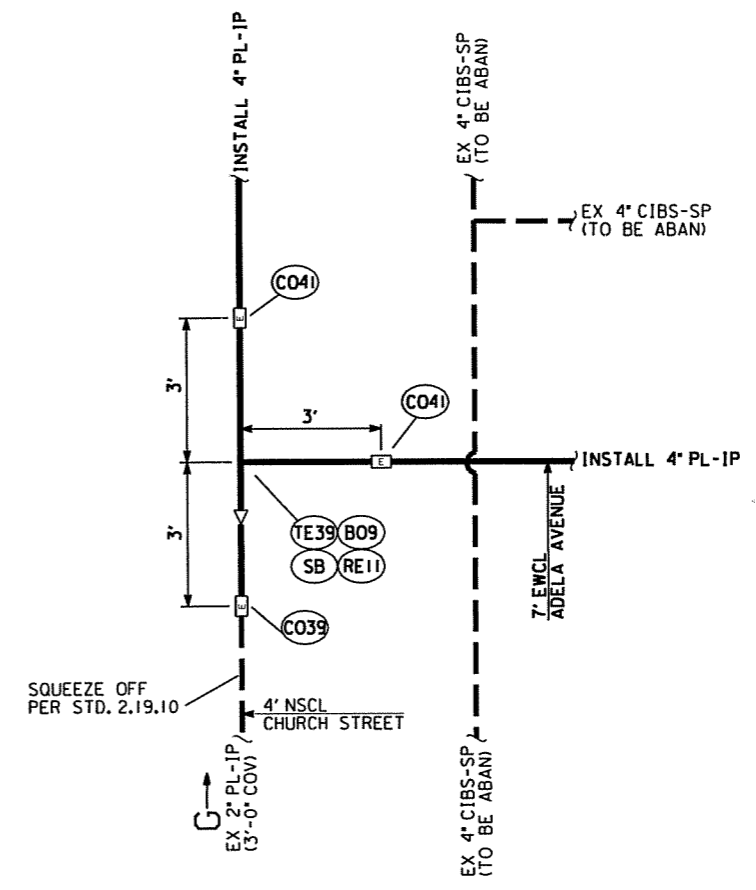
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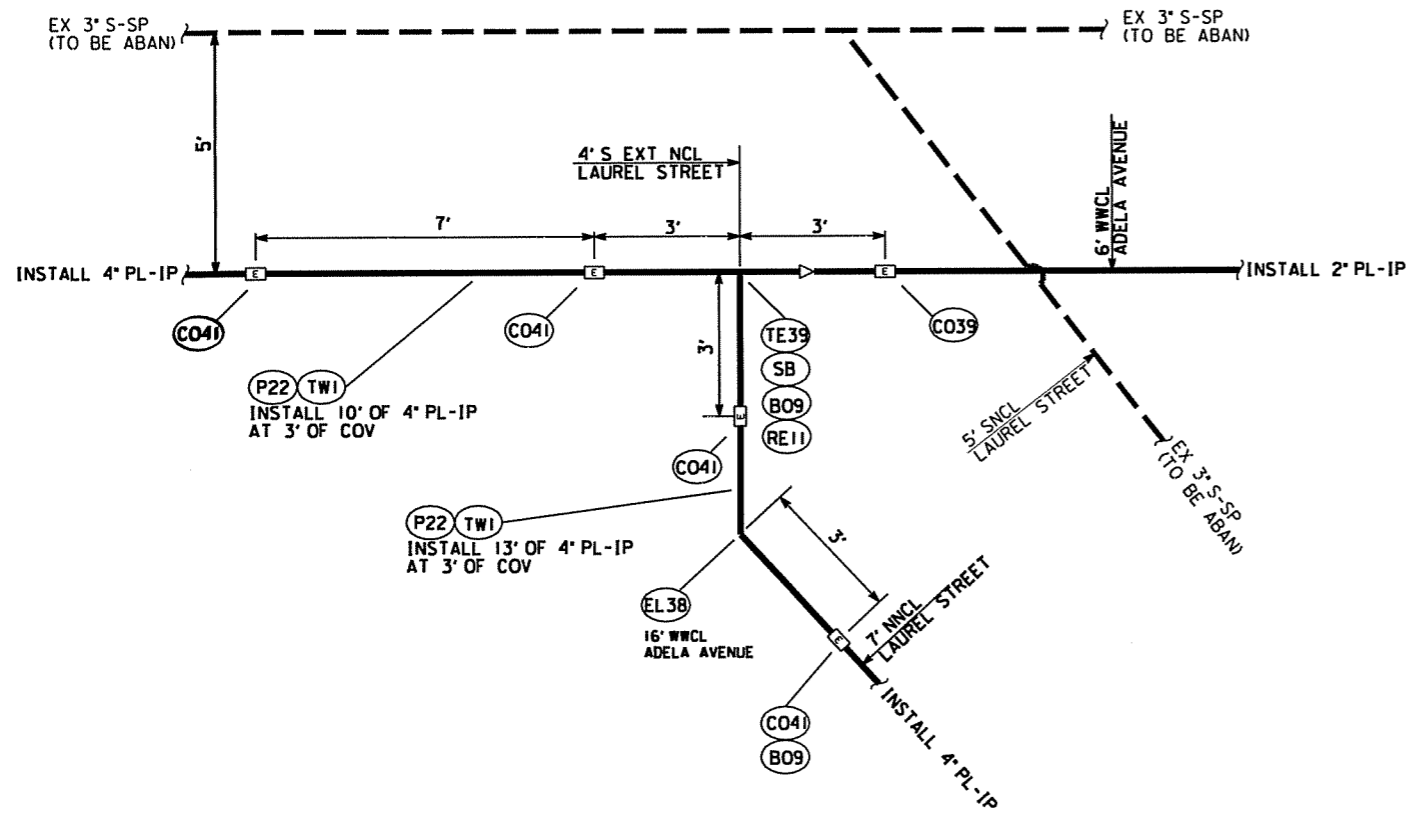
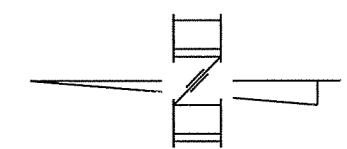
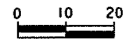
DETAIL "K"  
N.T.S.  
(FROM SHEET #17)



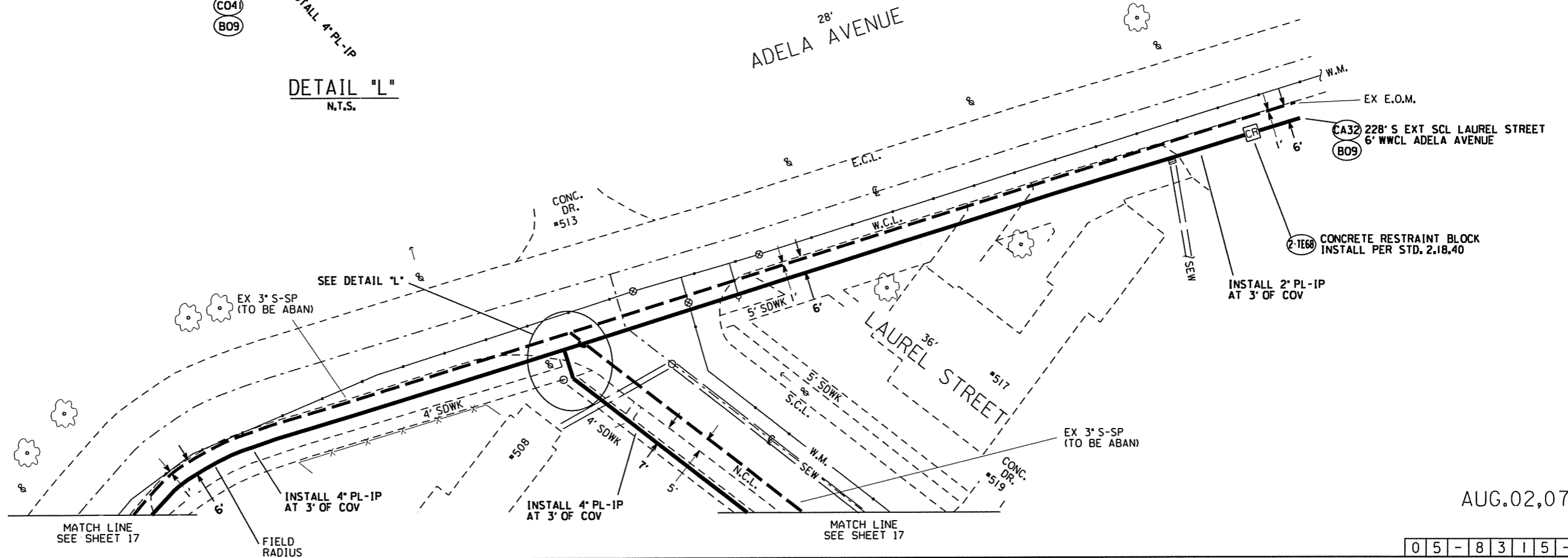
DETAIL "J"  
N.T.S.  
(FROM SHEET #17)

REVISIONS

NOTE: CONVERT SP GAS MAIN  
AND / OR SERVICES TO IP PRESSURE



DETAIL "L"  
N.T.S.

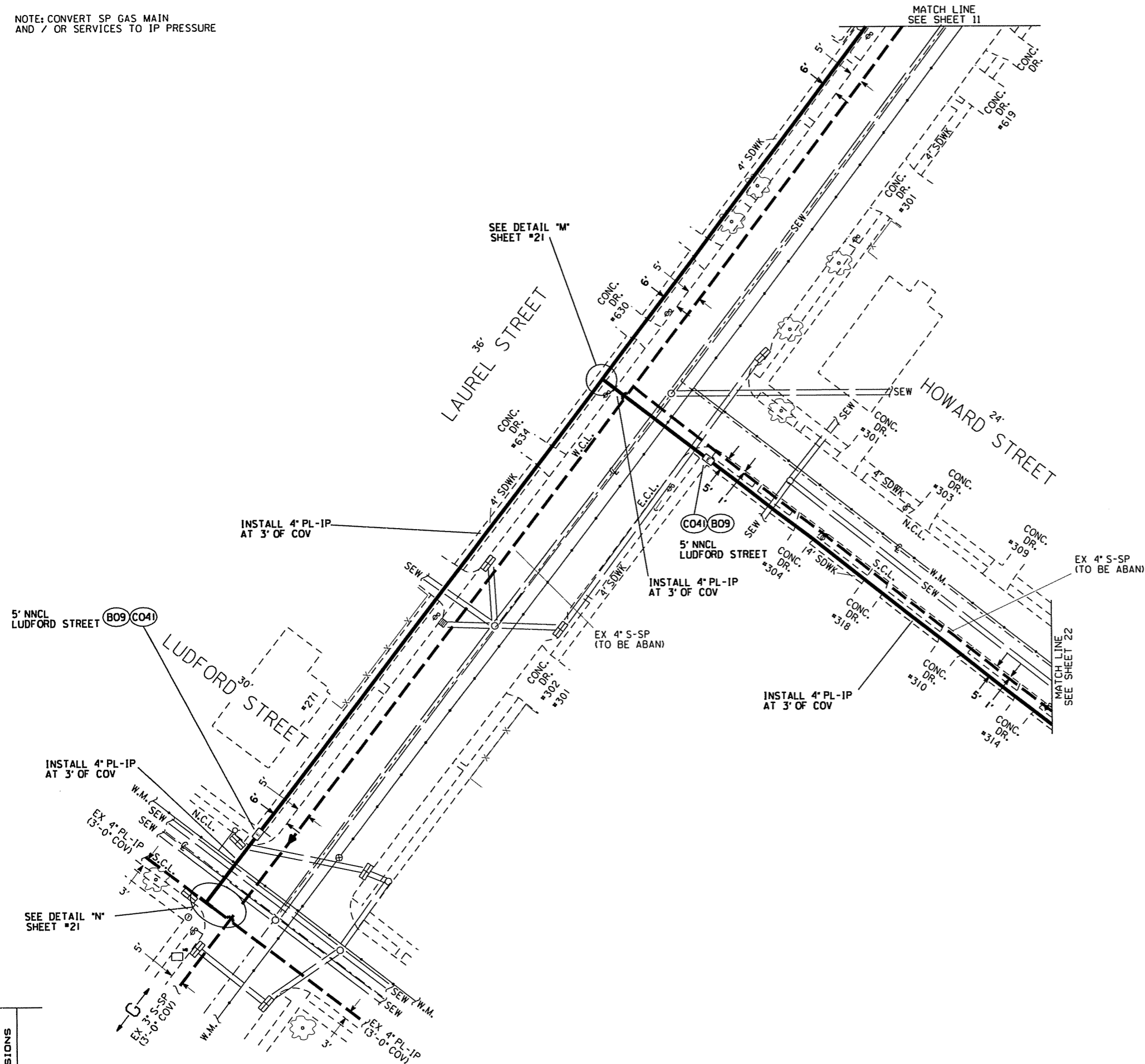
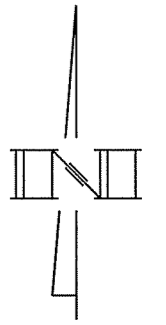


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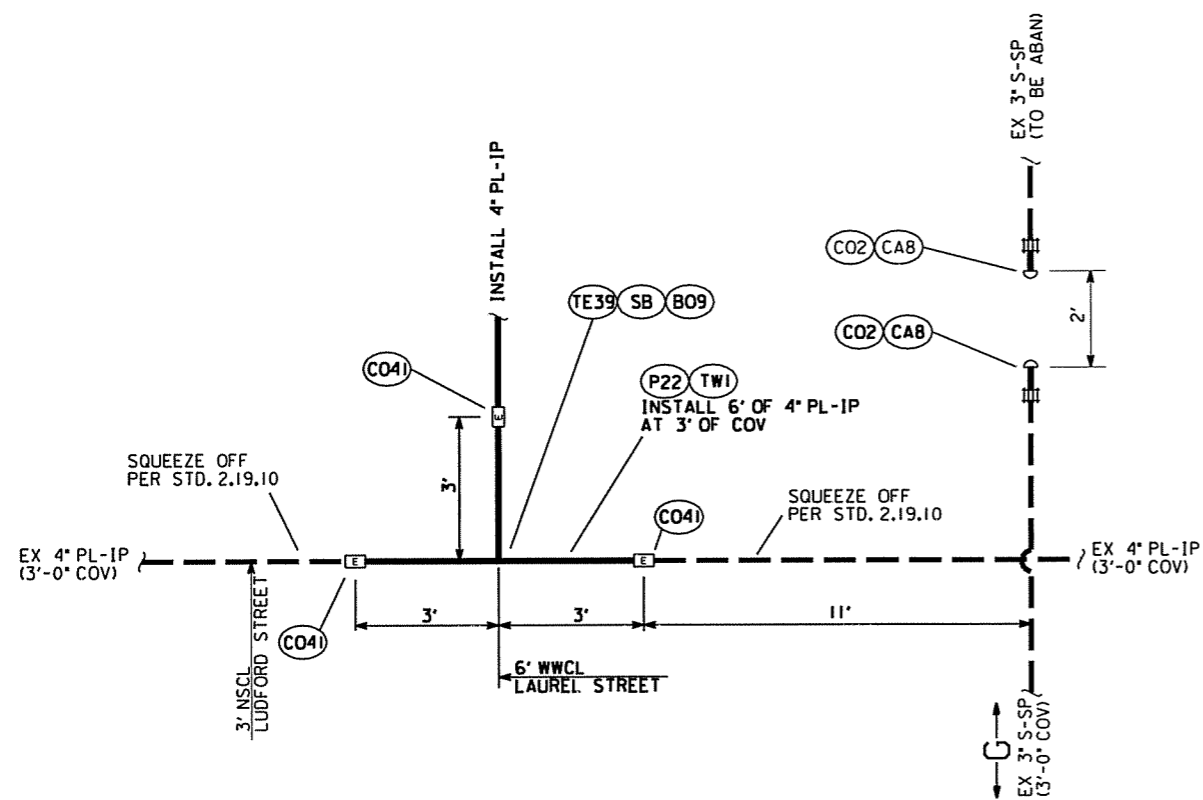
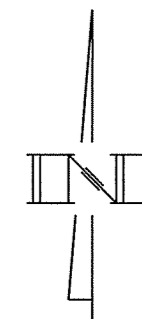
05-8315-3

NOTE: CONVERT SP GAS MAIN  
AND / OR SERVICES TO IP PRESSURE

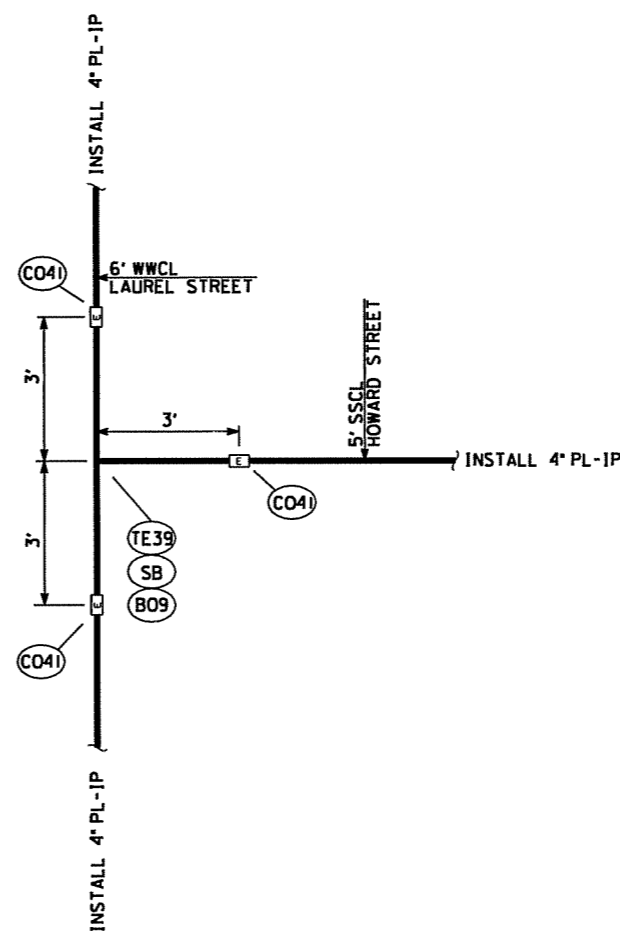


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**DETAIL "N"**  
N.T.S.  
(FROM SHEET #20)



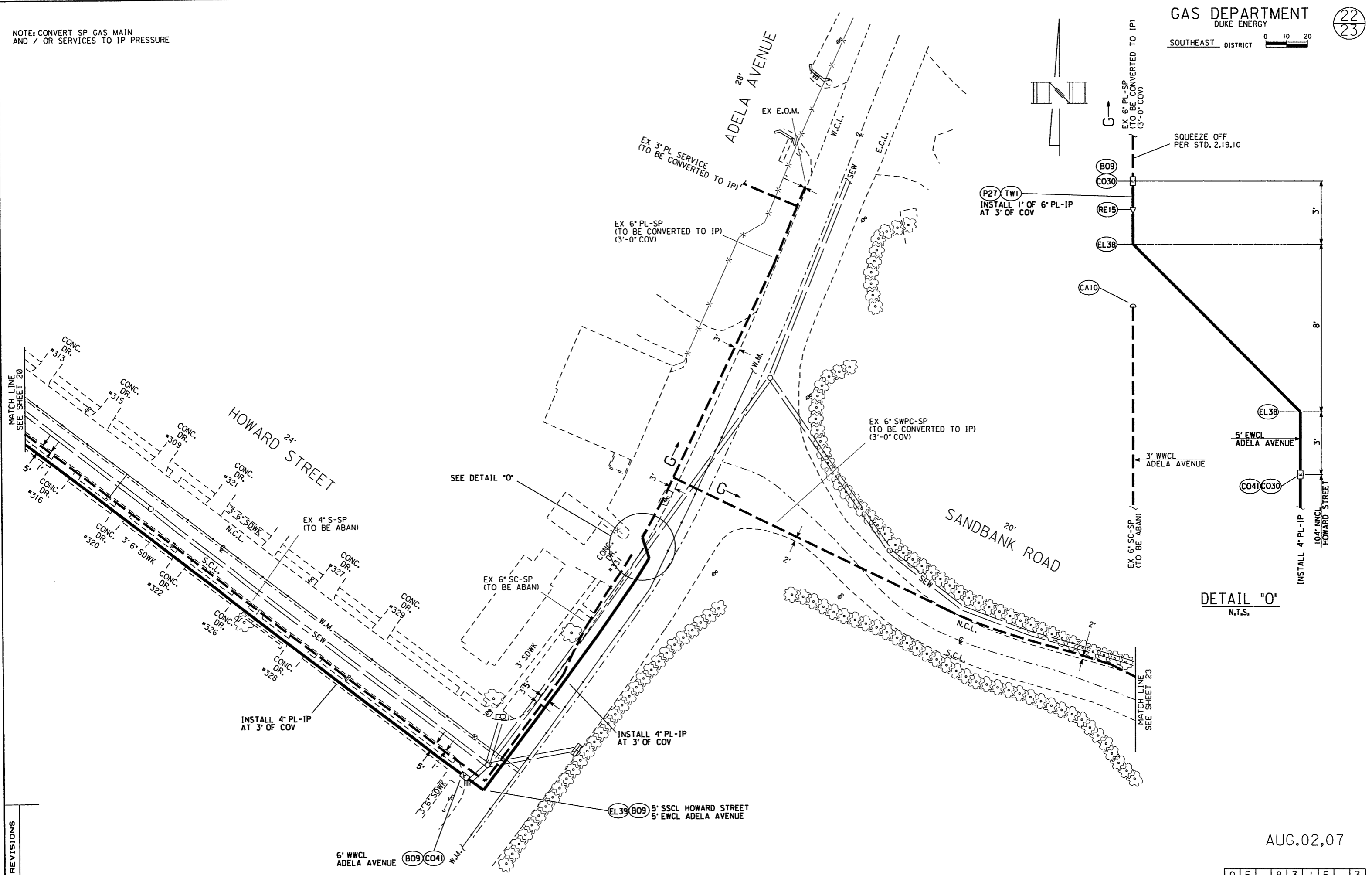
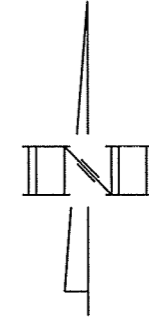
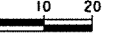
**DETAIL "M"**  
N.T.S.  
(FROM SHEET #20)

REVISIONS

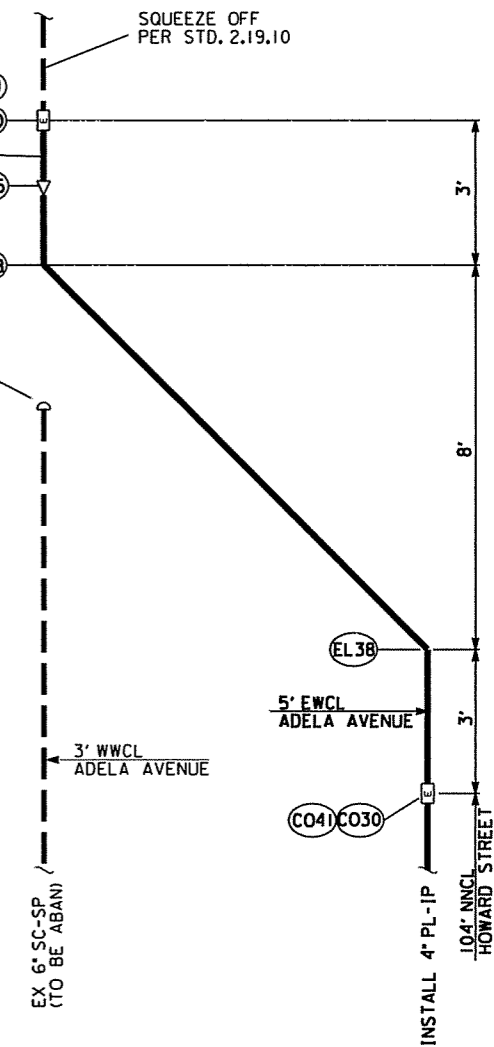
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NOTE: CONVERT SP GAS MAIN  
AND / OR SERVICES TO IP PRESSURE



(P27 TW1)  
INSTALL 1' OF 6" PL-IP  
AT 3' OF COV



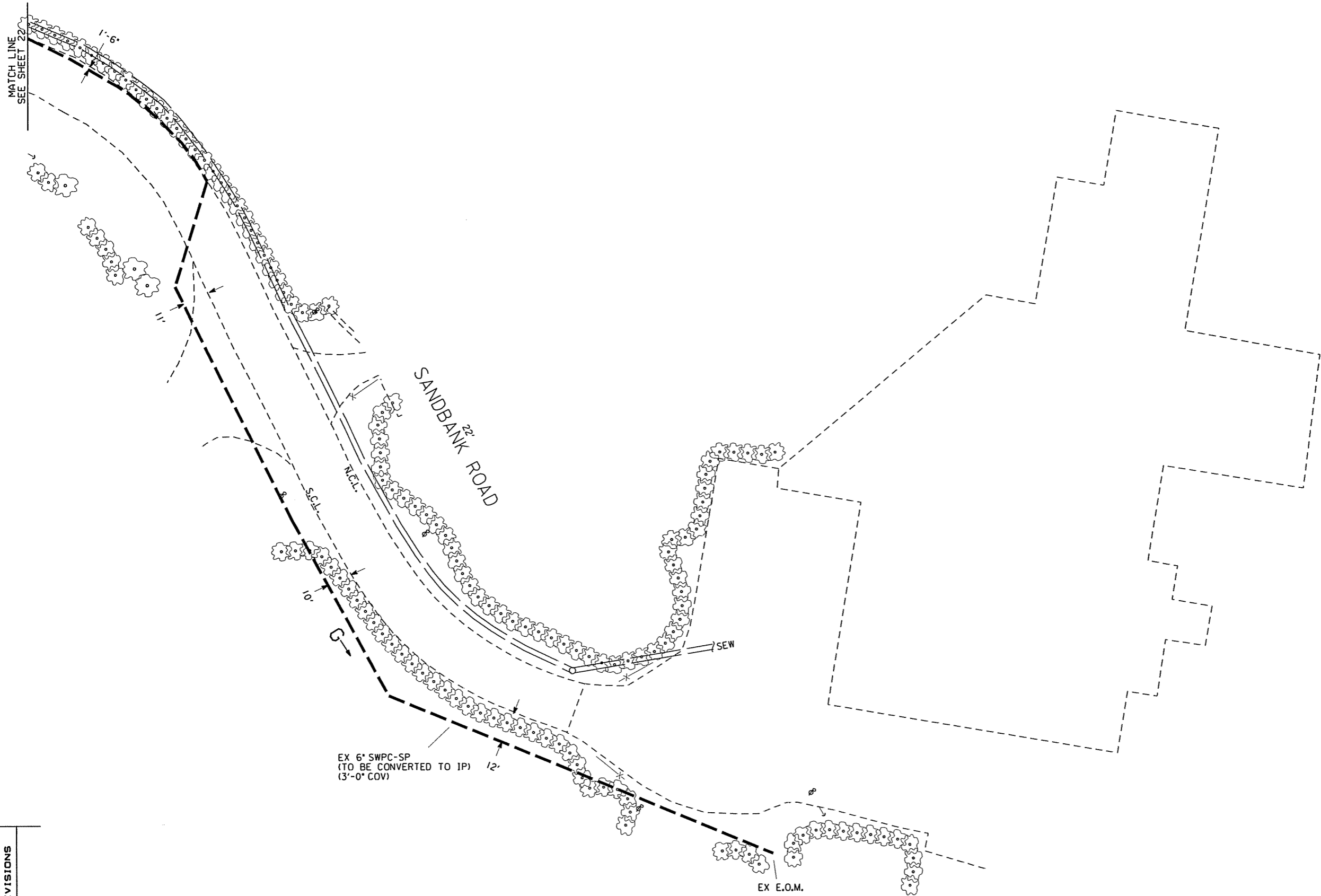
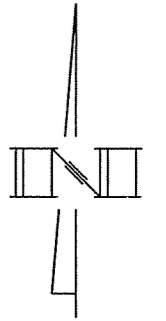
DETAIL "O"  
N.T.S.

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NOTE: CONVERT SP GAS MAIN  
AND / OR SERVICES TO IP PRESSURE



EX 6" SWPC-SP  
(TO BE CONVERTED TO IP)  
(3'-0" COV)

EX E.O.M.

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