



Cinergy Corp.  
139 East Fourth Street  
Rm 25 AT II  
P.O. Box 960  
Cincinnati, OH 45201-0960  
tel 513.287.3601  
fax 513.287.3810  
jfinnigan@cinergy.com

**John J. Finnigan, Jr.**  
Senior Counsel

**RECEIVED**

**MAR 10 2006**

**PUBLIC SERVICE  
COMMISSION**

**VIA OVERNIGHT MAIL**

March 9, 2006

Ms. Elizabeth O'Donnell  
Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

Re: In the Matter of the Application of The Union Light, Heat and Power Company  
for a Certificate of Public Convenience and Necessity to Construct Gas  
Distribution Facilities within its Service Territory  
Case No. 2006-00101

Dear Ms. O'Donnell:

Enclosed please find an original and twelve copies of the Application of The  
Union Light, Heat and Power Company in the above-referenced case.

I have also enclosed an original set of maps, labeled CPCN Filing and CPCN  
Modules 371, 352, 319, 311, 312, 348, 341, 351, and two copy sets of the same.

Please date stamp and return the two extra copies of my cover letter and the  
Application in the enclosed envelope.

If you have any questions, please do not hesitate to contact me at (513) 287-3601.

Sincerely,

John J. Finnigan, Jr.  
Senior Counsel

JJF/sew

cc: Hon. Elizabeth E. Blackford (with copy of Application)

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

MAR 10 2006

PUBLIC SERVICE  
COMMISSION

In the Matter of:

APPLICATION OF THE UNION LIGHT, HEAT )  
AND POWER COMPANY FOR A CERTIFICATE )  
OF PUBLIC CONVENIENCE AND NECESSITY )  
TO CONSTRUCT GAS DISTRIBUTION FACILITIES )  
WITHIN ITS SERVICE TERRITORY )

CASE NO. 2006-00101

\* \* \* \* \*

APPLICATION

\* \* \* \* \*

Pursuant to KRS 278.020, 807 KAR 5:001, Sections 8 and 9, and the Commission's Order dated December 22, 2005 in *In the Matter of Adjustment of Gas Rates of The Union Light, Heat and Power Company*, Case No. 2005-00042, The Union Light, Heat and Power Company (ULH&P) respectfully states as follows:

1. ULH&P is a Kentucky corporation with its principal office and principal place of business at 1697A Monmouth Street, Newport Shopping Center, Newport, Kentucky 41071. Its mailing address is P.O. Box 960, Cincinnati, Ohio 45201.

2. ULH&P is a utility engaged in the gas and electric business. ULH&P purchases, sells, stores and transports natural gas in Boone, Campbell, Gallatin, Grant, Kenton and Pendleton Counties, Kentucky. ULH&P also generates electricity, which it distributes and sells in Boone, Campbell, Grant, Kenton and Pendleton counties.

3. Pursuant to 807 KAR 5:001, Section 8(3), ULH&P states that a certified copy of its Articles of Incorporation, as amended, is on file with the Commission in Case 180636

No. 2005-00042.

4. In Case No. 2005-00042, ULH&P sought Commission approval of a base rate increase for its gas operations, including the re-approval of Rider AMRP. Under ULH&P's proposal, Rider AMRP provided for an annual adjustment to rates over a ten-year period, to allow ULH&P to recover the costs of replacing its cast iron and bare steel mains on an accelerated basis, including the cost of recovering customer-owned service lines connected to such mains.

5. In an Order dated January 31, 2002 in Case No. 2001-00092, the Commission approved Rider AMRP, subject to certain modifications, for an initial period of three years. In an Order dated December 22, 2005 in Case No. 2005-00042, the Commission re-approved Rider AMRP, subject to certain modifications, through the end of the program life in 2010. The Commission's Orders require ULH&P to file an application for a certificate of public convenience and necessity (CPCN) for the mains that ULH&P will replace under the program. The purpose of this application is to comply with these Commission Orders. ULH&P previously filed an application for a CPCN for the 2002, 2003, 2004 and 2005 Rider AMRP construction work in Case No. 2002-00089, Case No. 2002-00407, Case No. 2004-00017, and Case No. 2005-00094, respectively.

6. Pursuant to 807 KAR 5:001, Section 9(2)(a), ULH&P states that the proposed construction is or will be required by public convenience and necessity because cast iron and bare steel mains comprise approximately 7% of ULH&P's natural gas distribution system, and such mains are subject to leaks at a greater rate than coated steel or polyethylene, leading to higher operating and maintenance expenses, greater line losses and safety and reliability

risks. Further information to support the fact that the proposed construction is or will be required by public convenience and necessity is contained in the following filings by ULH&P on May 4, 2001 in Case No. 2001-00092: Direct Testimony of Leonard C. Randolph, Jr.; Direct Testimony of Sevket Torpis; and the April, 2001 Independent Review of Cast Iron and Bare Steel Pipe Replacement Program Report prepared by Stone & Webster Consultants, as well as the Commission's Orders dated January 31, 2002 in Case No. 2001-00092 and December 22, 2005 in Case No. 2005-00042, all of which are incorporated by reference herein.

7. Pursuant to 807 KAR 5:001, Section 9(2)(b), ULH&P states that the construction work involves the replacement of existing cast iron and bare steel facilities, including mains, main-to-curb services and curb-to-meter services, and that ULH&P has previously filed with the Commission the applicable franchises from the proper public authorities.

8. Pursuant to 807 KAR 5:001, Section 9(2)(c), ULH&P states that the construction work will occur at various locations throughout ULH&P's distribution system. ULH&P has divided the work into modules. A module consists of two to five miles of cast iron and bare steel mains located within a particular community. The location for the construction work within the modules is indicated on the construction maps filed herewith. The modules are rank-ordered according to various factors, including safety and reliability considerations, to determine the priority under which the construction work contained within each module should be performed. In addition to module work, ULH&P will continue to perform 2006 Cast Iron Maintenance Optimization System® (CIMOS) and Bare Steel

Maintenance Optimization System® (BSMOS) programs, street improvement projects and any emergency replacements that may arise in 2006.

ULH&P will use contractors and employees to perform and supervise the work. ULH&P will utilize conventional excavation and main construction techniques and, to the extent possible, directional drilling techniques. ULH&P will follow and will require its contractors to follow ULH&P's manual of construction practices on file with the Commission.

9. In the Commission's Order dated October 7, 2002 *In the Matter of the Application of The Union Light, Heat and Power Company for a Certificate of Public Convenience and Necessity to Construct Gas Distribution Facilities within its Service Territory and for a Deviation from Administrative Regulation 807 KAR 5:022, Section 9(17)*, Case No. 2002-00089, the Commission authorized ULH&P to deviate from the Commission's August 29, 2002 Order granting a certificate for public convenience and necessity, to the extent that ULH&P incurred additional costs for metallic main and services replacement work, not to exceed by 20% the amount authorized by the Commission's August 29, 2002 Order. The Commission issued similar Orders in Case Nos. 2004-00017 and 2005-00094.

10. In the instant application, ULH&P requests authorization to incur construction costs in the amount of \$11,700,000 for module work, CIMOS and BSMOS work and street improvement work during 2006. The projects are as described in Attachment A. In addition, consistent with the Commission's previous orders in ULH&P's CPCN cases for its Rider AMRP increases, ULH&P requests a deviation, to the extent that

actual construction costs exceed the projected cost of \$11,700,000, in an amount up to 20% of the projected cost.

11. Pursuant to 807 KAR 5:001, Section 9(2)(d), ULH&P states that it has submitted with this filing maps showing the location or route of the construction. ULH&P requests permission to provide only three sets of these maps due to the voluminous number of maps, rather than the standard filing requirement of ten sets. To ULH&P's knowledge, no other like facilities owned by others are located anywhere within the map area.

12. Pursuant to 807 KAR 5:001, Section 9(2)(e), ULH&P states that it proposes to finance the construction through continuing operations and debt instruments as necessary.

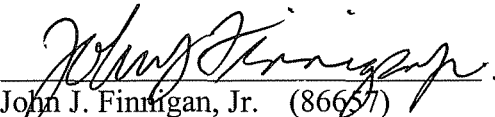
13. Pursuant to 807 KAR 5:001, Section 9(2)(f), ULH&P states that the estimated cost of construction of the proposed facilities, including the cost of replacing metallic service lines connected to cast iron and bare steel mains, for the 2006 construction program is \$11,700,000.

14. Pursuant to the Commission's December 22, 2005 Order in Case No. 2005-00042, ULH&P will continue annually to seek a certificate for public convenience and necessity for AMRP-related construction. Pursuant to the Order, ULH&P will also resume filing its Rider AMRP update filings by March 31, 2008. Accordingly, ULH&P proposes to resume its quarterly update filings for AMRP construction work (required in past years for Rider AMRP update filings) at the end of the first quarter of 2007, with this filing covering progress on construction projects initiated in 2007. ULH&P requests that the Commission address in this proceeding the timing for its next quarterly update report, and the period to be covered by such report.

WHEREFORE, ULH&P respectfully requests that the Commission issue a Certificate of Public Convenience and Necessity pursuant to KRS 278.020(1) for the above-described construction as requested herein.

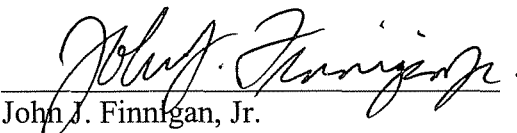
Respectfully submitted,

THE UNION LIGHT, HEAT AND  
POWER COMPANY

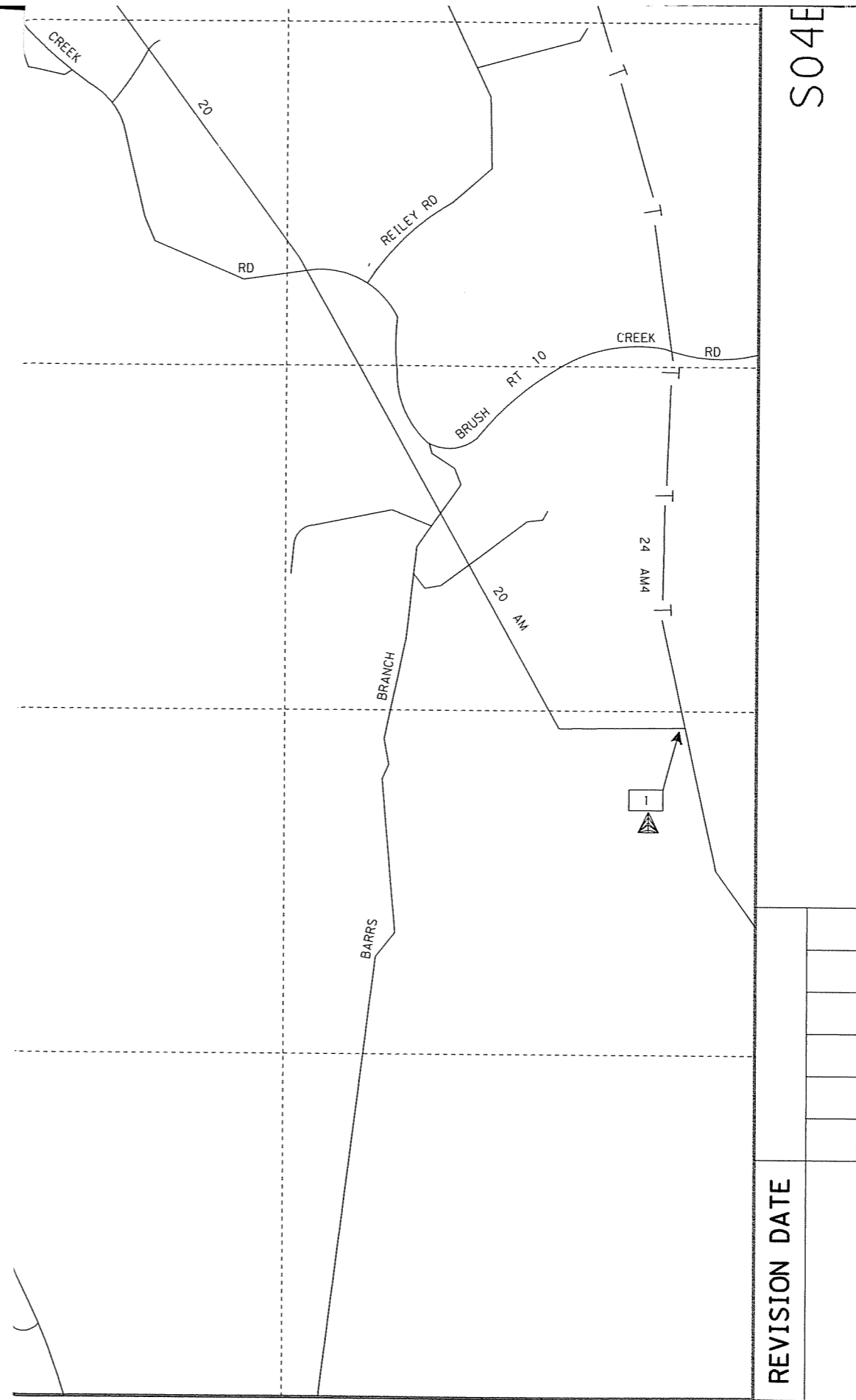
  
\_\_\_\_\_  
John J. Finnigan, Jr. (86657)  
Senior Counsel  
Cinergy Services, Inc.  
P. O. Box 960  
139 East Fourth Street, Rm 25 ATII  
Cincinnati, Ohio 45201-0960  
Phone: (513) 287-3601  
Fax: (513) 287-3810  
e-mail: jfinnigan@cinergy.com

CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing Application of The Union Light, Heat and Power Company has been served via overnight mail to the following party on this 9<sup>TH</sup> day of March, 2006:

  
\_\_\_\_\_  
John J. Finnigan, Jr.

Hon. Elizabeth E. Blackford  
Office of AG  
Utility Intervention and Rate Division  
1024 Capital Center Drive  
Frankfort, Kentucky 40601

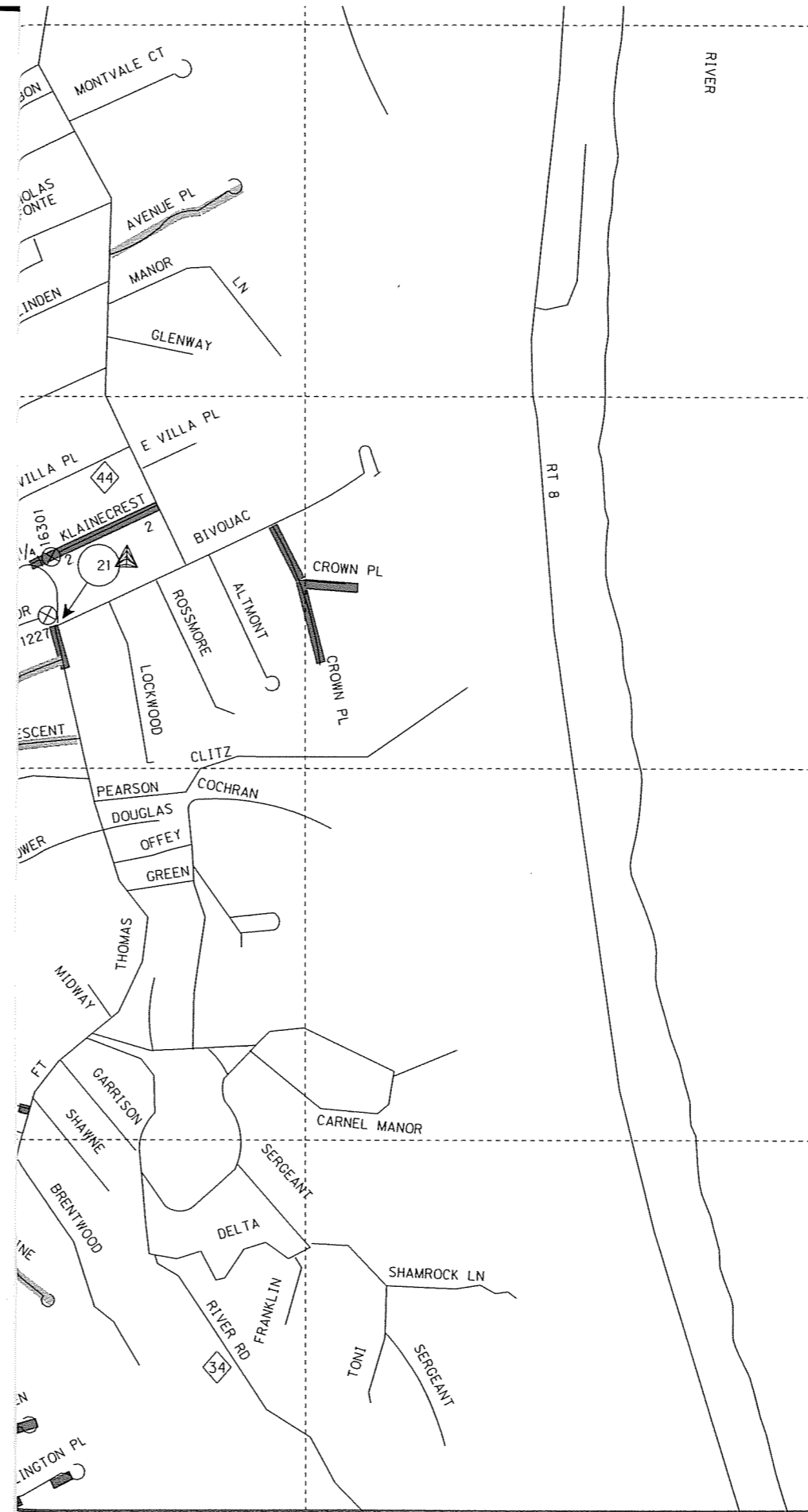


& E. & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S04E02

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 COMMISSION







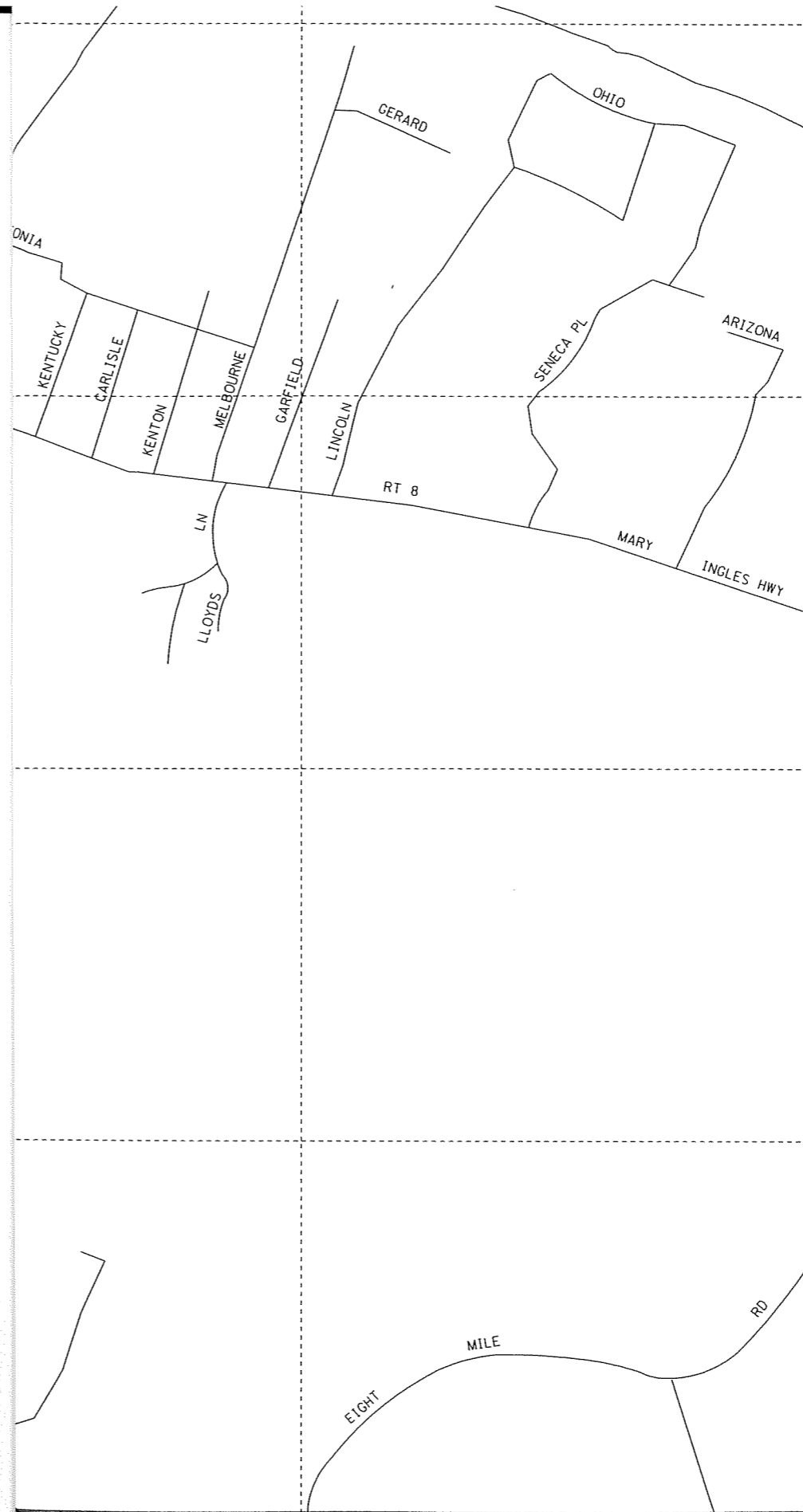
S01E

REVISION DATE	

E. & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S01E01

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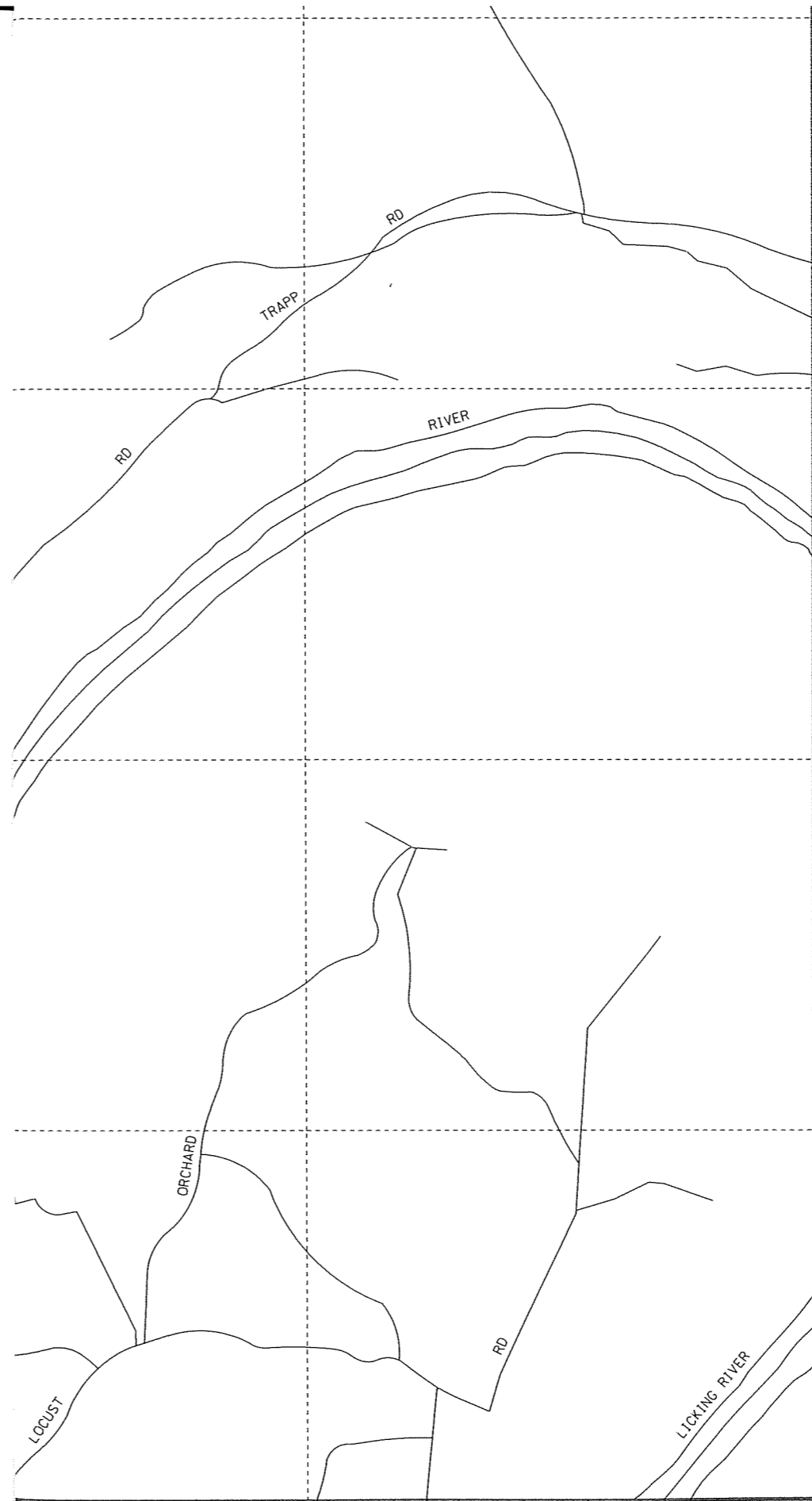


S02E

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x E. & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S02E02

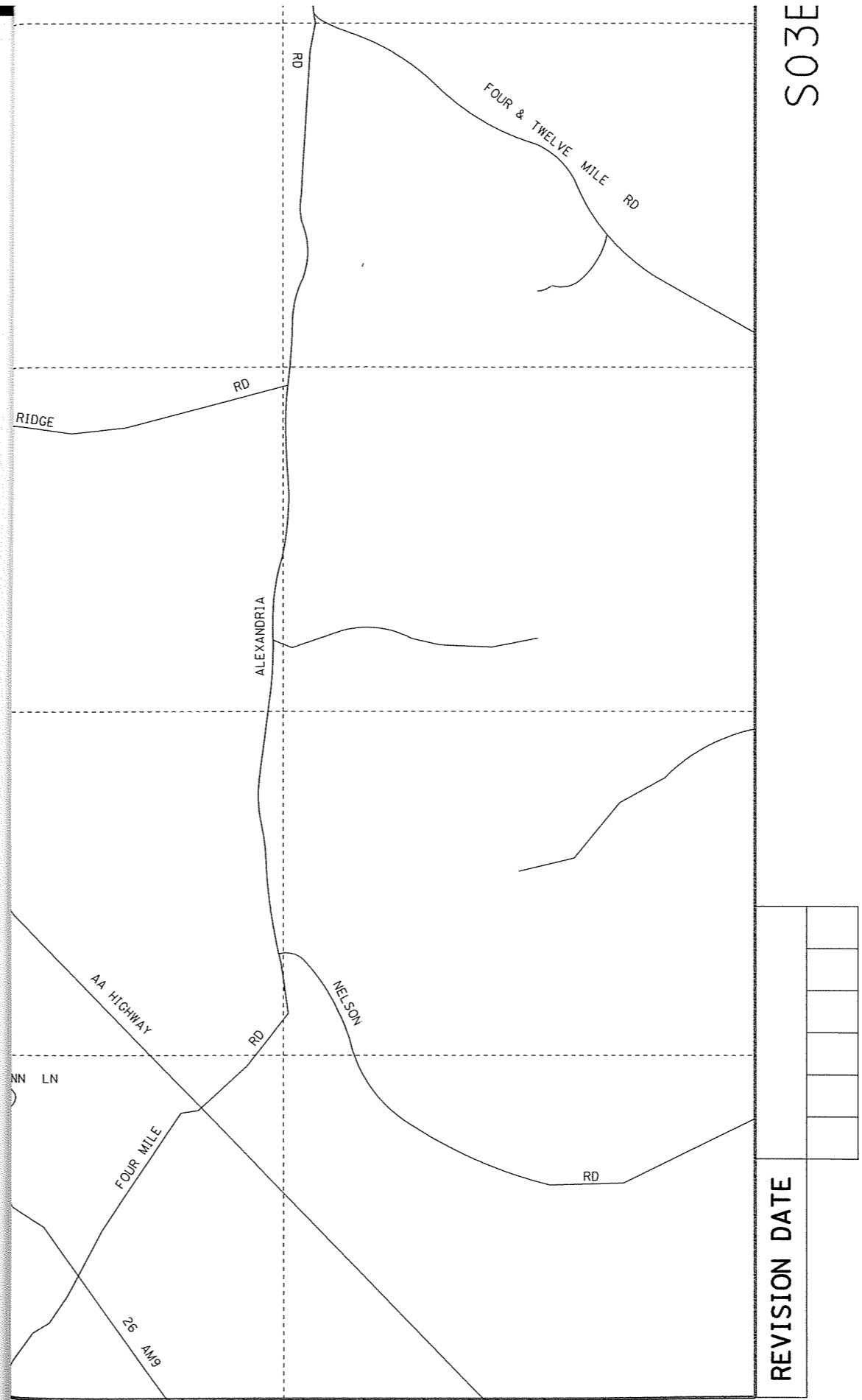


S03E

REVISION DATE	

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& E. & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S03E01



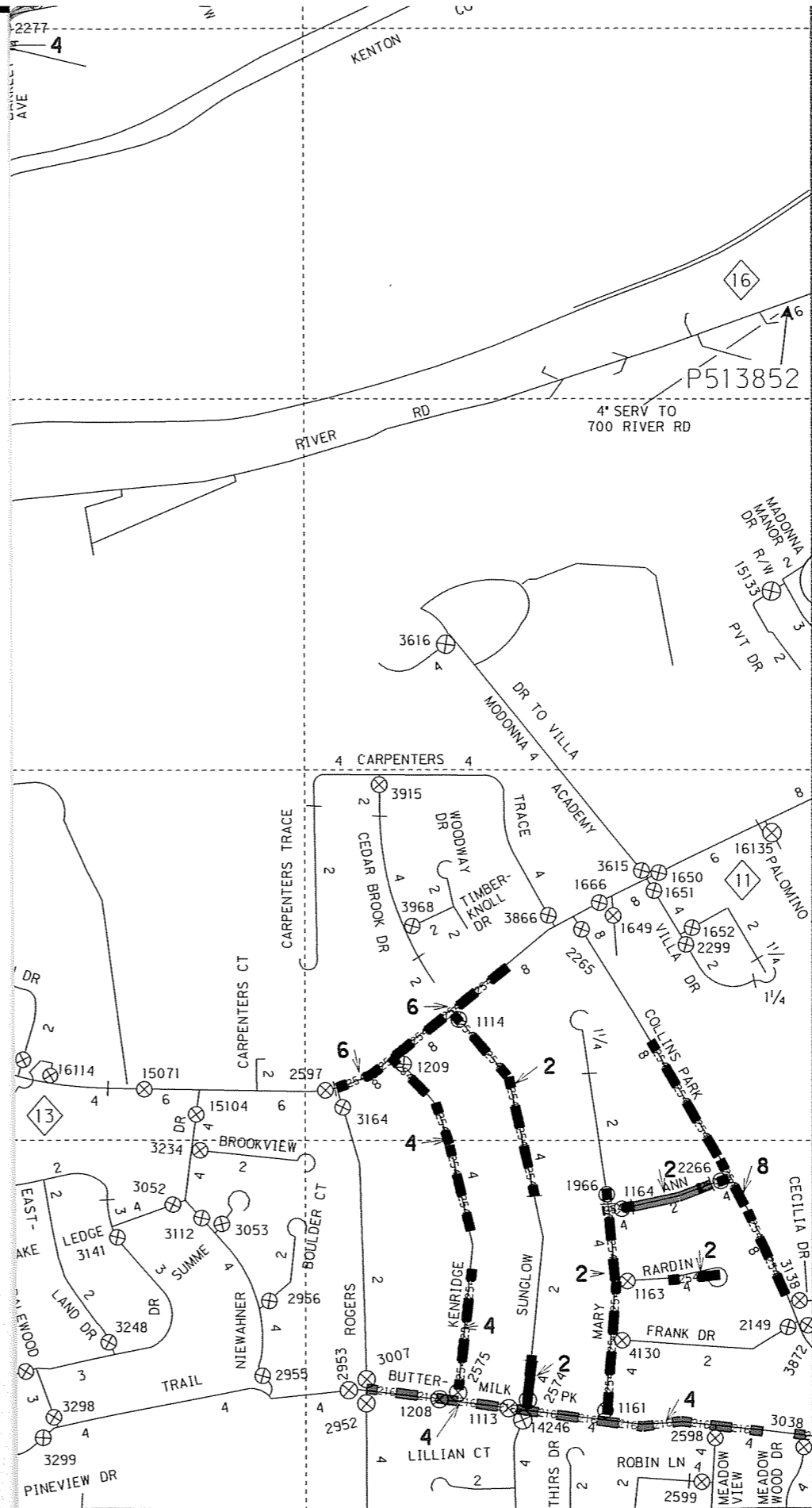
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& E. & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S03E02

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 PUBLIC SERVICE  
 COMMISSION





S01W

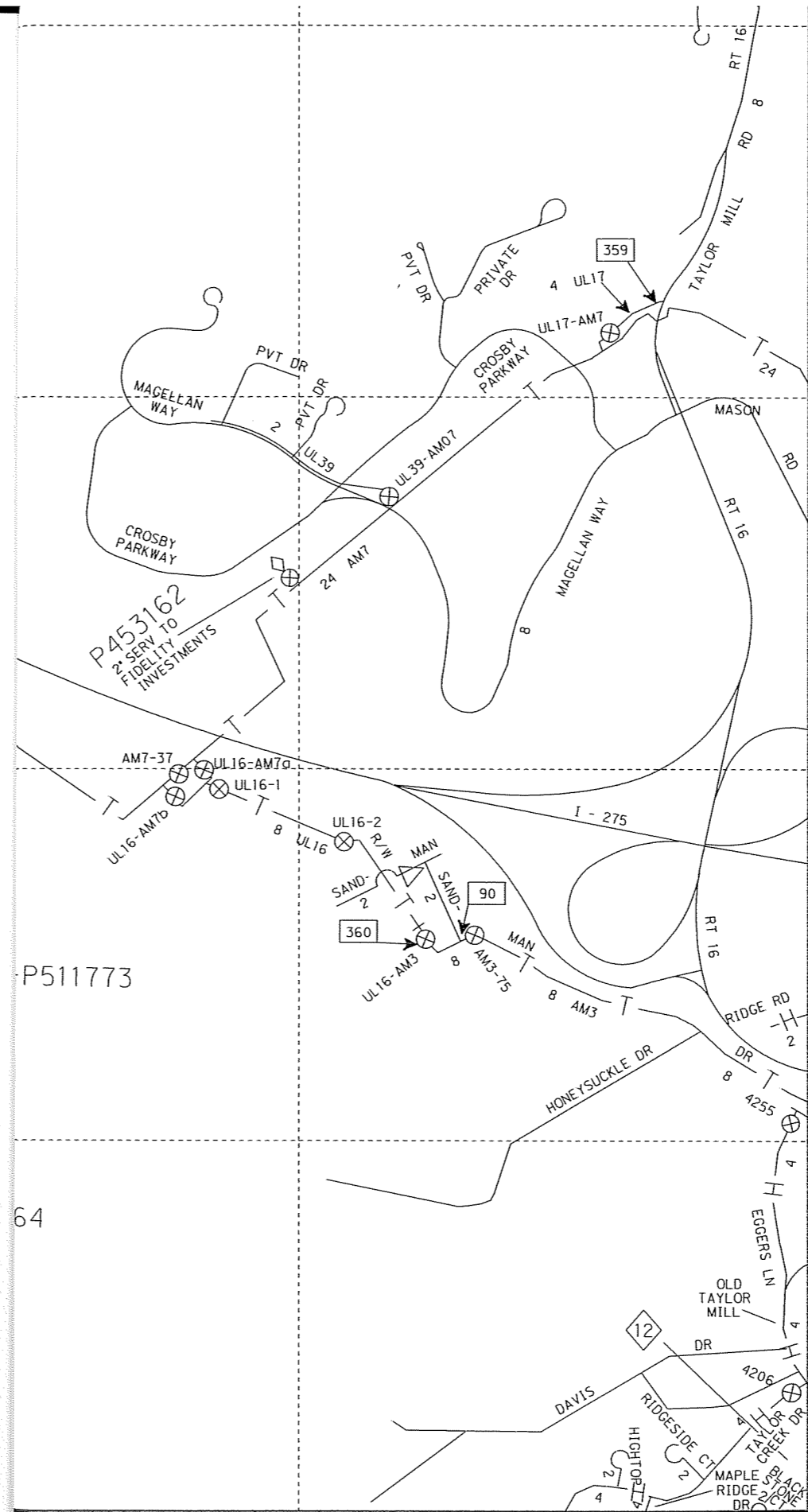
REVISION	DATE

AMERICAN GAS & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S01W02

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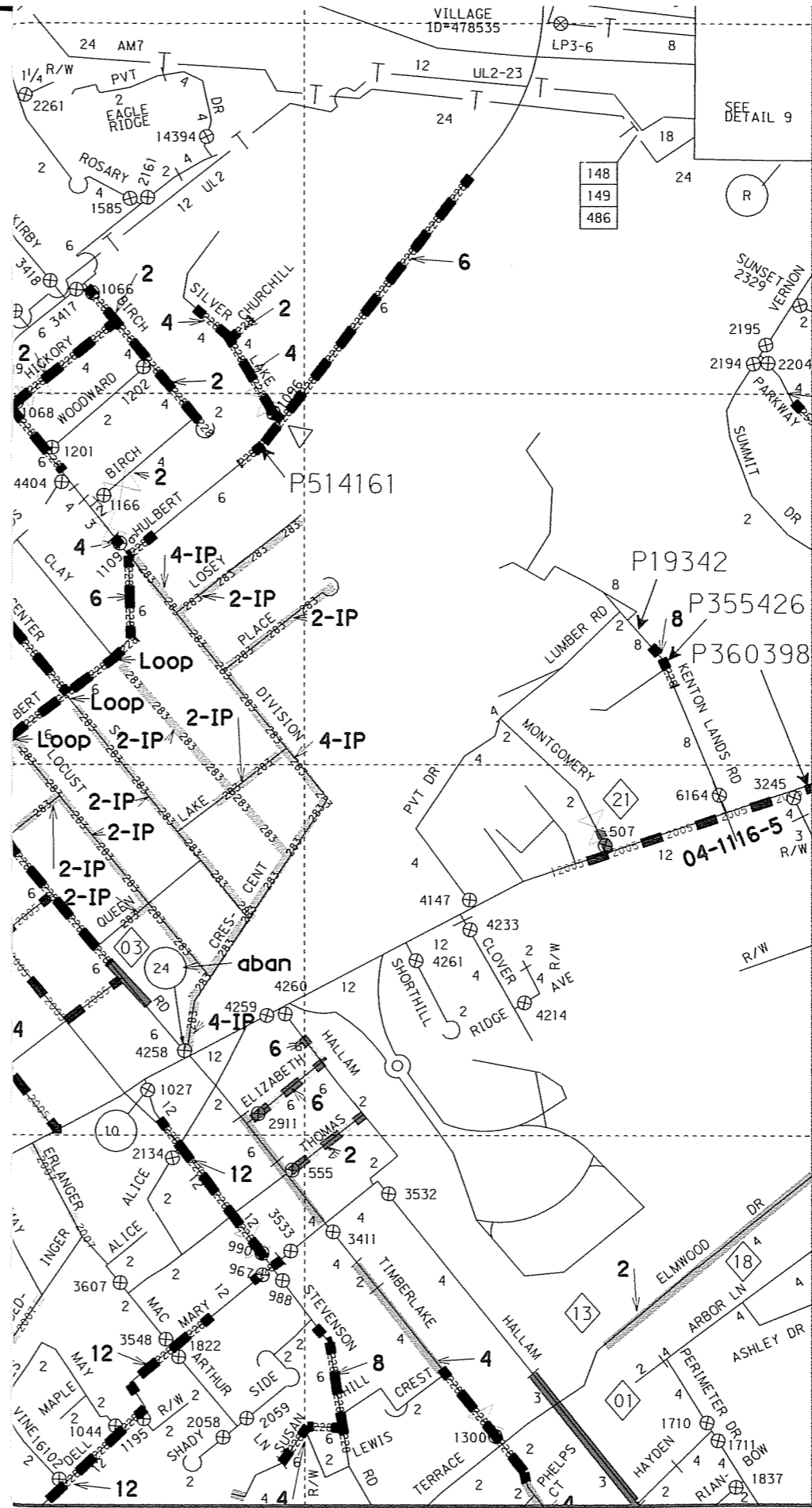
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... & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S02W01



S02W

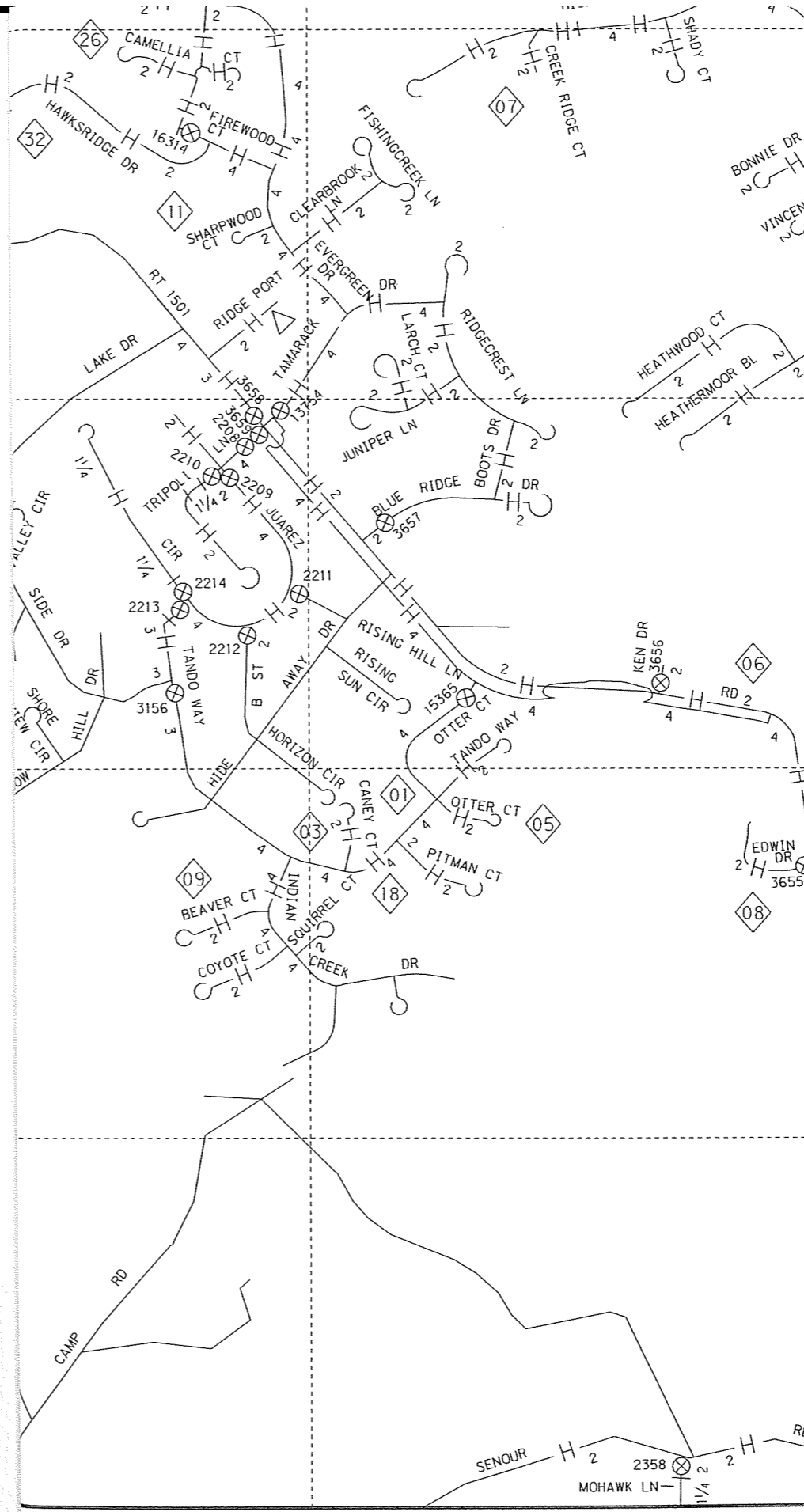

REVISION DATE

**RECEIVED**

MAR 10 2006

PUBLIC SERVICE  
COMMISSION

W. E. & SUBSIDIARY COMPANIES  
GAS DEPT. MAP NO. S02W02

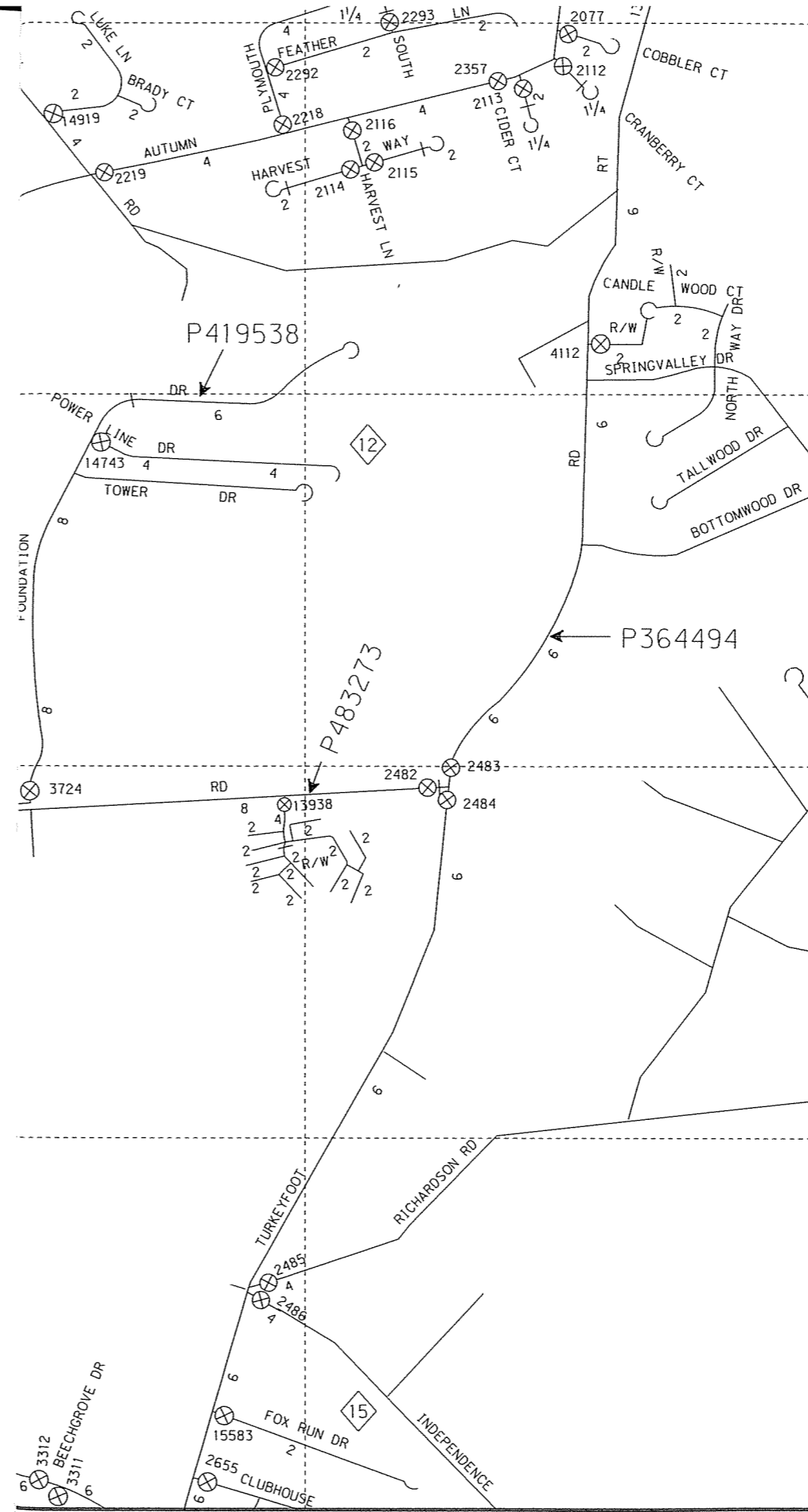


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REVISION DATE

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W. & E. & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S03W01



S03W

P419538

P483273

P364494


REVISION DATE

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MAR 10 2006

PUBLIC SERVICE COMMISSION

E. & SUBSIDIARY COMPANIES  
 GAS DEPT. MAP NO. S03W02

# THE UNION LIGHT HEAT & POWER CO.

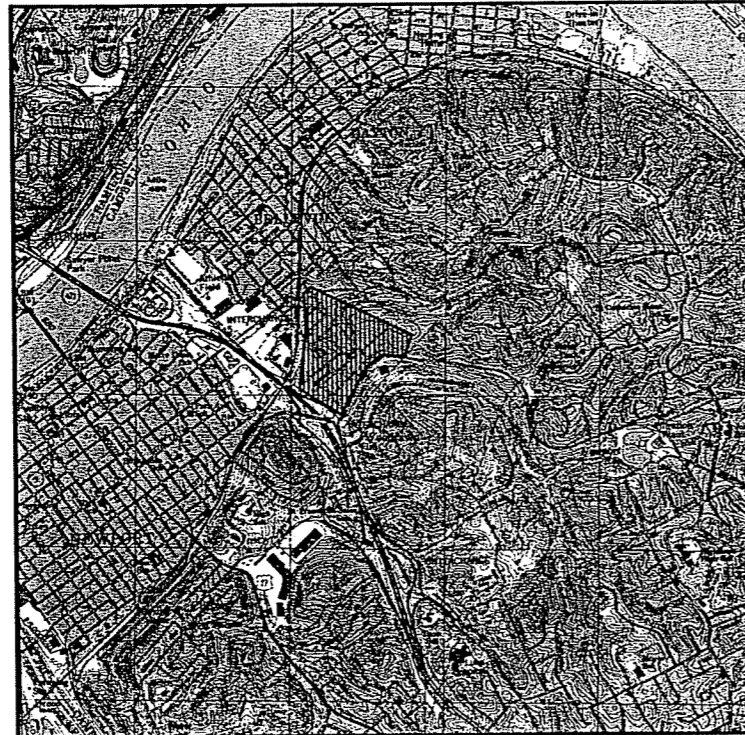
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36

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MAR 10 2006

PUBLIC SERVICE  
COMMISSION

**AUTHORIZED**  
February 24, 2006  
CONSTRUCTION  
DRAWING



VICINITY MAP

N.T.S.

MAIN ABANDONMENT			MAIN ABANDONMENT		
6" CIC	1937	4'			
6" SC	1929	31'			
6" CIMJ	1957	223'			
6" CIMJ	1963	507'			
6" CIC	1937	45'			
6" SC	1929	345'			
6" CIC	1937	344'			
6" CSC	1929	790'			
6" SC	1929	135'			
4" SC	1941	61'			
4" CIMJ	1940	160'			
4" CIMJ	1939	297'			
6" CIMJ	1950	219'			
6" CIMJ	1952	137'			
6" SC	1929	417'			
6" CIBS	1968	11'			
6" SWPC	1968	148'			
6" ST	1929	150'			
6" CIMJ	1955	202'			
6" CIMJ	1954	333'			
6" SC	1928	721'			
4" CIMJ	1957	32'			
4" CI	1937	88'			
4" CIC	1937	443'			
4" CIMJ	1947	822'			
6" SC	1929	331'			
6" CIMJ	1947	40'			
8" SC	1928	1110'			
8" SC	1929	159'			
8" SC	1928	22'			
8" SC	1929	133'			
2" CU	1947	47'			
6" CIC	1932	55'			
6" SC	1928	386'			
6" SC	1928	5'			
6" SC	1928	5'			
6" SC	1928	5'			
6" SC	1928	5'			
6" SC	1928	118'			
6" SC	1928	1811'			
6" SC	1928	29'			

- INSTALL TRACER WIRE BOX EVERY 500' ON THE ENTIRE JOB, PER STD. 2.18.1.3.
- STOP OFF MAIN EVERY 500' PER STD. 2.13.1.3, WHEN INSERTING TO MAINTAIN SERVICE.
- APPLY FIELD COATING MATERIALS PER STDS. 7.1.1.1 AND 7.2.1.2.
- FIELD BENDING OF PIPE SHALL BE PERFORMED PER STD. 2.18.10.
- ALL GAS MAIN BEING INSERTED IS TO BE INSERTED INTO EX. GAS MAIN.

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

RESTORATION INFORMATION MAINS ONLY										** PERMIT REQUIRED	
RESTORATION REQUIRED	YES	NO								YES	NO
RUSH RESTORATION	YES	NO								YES	NO
COPY SENT TO PAVING INSPECTOR IN ADVANCE	YES	NO								YES	NO

FOR EAP USE ONLY																		
EAP USE ONLY	CONTR. NO.	PERMIT NO.	WORK ORDER	COMMUNITY	CONDL. CODE	SUB. CODE	DIST.	AREA	PAVING CODE	SIZE OF OPENING LENGTH	WIDTH	LESS THAN 18" COP. YES	AHEAD OF PAVING YES	HOUSE OR BLOCK NO.	DIST. & DIRECTION FROM INTERSECTING STREET	INTERSECTING STREET	SKETCH YES	NO

**UTILITY LOCATION CONTACTS**  
 TELEPHONE: 513-533-3154  
 ELECTRIC: 513-421-9500  
 SAN. SEWER: 859-578-7460  
 STORM SEWER: 859-578-7460  
 WATER: 859-441-0482  
 CABLE T.V.: 859-431-0300  
 MUNICIPALITY: 859-859-3666

**DESIGN REVIEW OF COMPLETED CONSTRUCTION JOB**  
 SPONSOR \_\_\_\_\_ DATE \_\_\_\_\_  
 FIELD CHANGE REQUEST DOCUMENT REQUIRED: YES  NO   
**MAOP VERIFICATION BLOCK**  
 REQUIRED: YES  NO

DESIGN SPECIFICATION			ESTIMATED AND ACTUAL UNITS OF WORK	
GD-150 COMPOSITE			EST. QUANTITIES	ACTUAL QUANTITIES
ITEM DESCRIPTION (REF. GD-147)	SIZE & KIND	UNITS		
BASIC UNITS OF CONSTRUCTION:				
LENGTH OF MAIN	3"	(LIN. FT.)	60'	
	4"	(LIN. FT.)	3,724'	
	6"	(LIN. FT.)	5,701'	
	8"	(LIN. FT.)	946'	
SPECIALS INSTALLED				
TOTAL INSTALLATION				
SIZE, KIND & FOOTAGE REMOVED FOR TIE-INS				
BORING WITHOUT CASING		(LIN. FT.)		
BORING WITH CASING		(LIN. FT.)		
(CASING & CARRIER)		(LIN. FT.)		
VALVE ASSEMBLY COMP.		(EACH)		
		(EACH)		
		(EACH)		
X-RAY OF WELD		(EACH WELD)		
SERVICE CONNECTIONS		(EACH)		
ROCK EXCAVATIONS		(CU. YD.)		
BANKRUN REQUIRED		(TON)		
NATIVE SOIL - COMPACTED		(LIN. FT.)		
CONCRETE PAVEMENT	CLASS 1	(SQ. YD.)		
GRANITE OR BRICK PAVEMENT	CLASS 2	(SQ. YD.)		
ASPHALT CONC. SURFACE OVER CONCRETE	CLASS 3	(LIN. FT.)		
ASPHALT CONC. ON STONE / ASPHALT BASE	CLASS 4	(LIN. FT.)		
TEMPORARY RESTORATION	CLASS 5	(LIN. FT.)		
SIDEWALK RESTORATION	CLASS 6	(SQ. YD.)		
DRIVEWAY RESTORATION	CLASS 7	(SQ. YD.)		
BERM RESTORATION	CLASS 8	(SQ. YD.)		
GRASS RESTORATION	CLASS 9	(SQ. YD.)		

**TEST CONN. PER STANDARD 7.7.1**  
 NO. PROPOSED \_\_\_\_\_  
 NO. INSTALLED \_\_\_\_\_  
 NO. TESTED OK (P/S INDICATOR) \_\_\_\_\_

**CORROSION ENGINEERING**  
 APPR. BY: \_\_\_\_\_  
 COATING TYPE: \_\_\_\_\_  
 VISUAL  KEEP   
 TYPE PATCH MATERIAL \_\_\_\_\_

**ANODE**  
 NO. PROPOSED 3# 0  
 NO. INSTALLED 17# 6  
 NO. INSTALLED 3# \_\_\_\_\_  
 NO. INSTALLED 17# \_\_\_\_\_

PLASTIC SEPARATIONS INSTALLED   
 CONTINUITY OF COUPLINGS CHECKED   
 CASING CHECKED FOR SHORT

CONDITION OF PIPE COATING WHEN DELIVERED TO JOB:  
 GOOD  FAIR  POOR

INSULATION CHECKED   
 NO. CHECKED \_\_\_\_\_

**FIELD PRESSURE TEST**  
 ALL PIPELINES REQUIRED TESTING BEFORE PLACING INTO SERVICE. PRESSURE CHARTS AND FORMS SHOULD BE FORWARDED TO GAS ENGINEERING AND PLANNING

REQUIRED TEST PRESSURE RANGE:  
 MIN. 50 PSIG TO MAX. 100 PSIG  
 HOURS 24 MEDIUM AIR \_\_\_\_\_  
 TESTED BY \_\_\_\_\_ DATE \_\_\_\_\_

**SUPERVISOR BLOCK**  
 SUPERVISOR OR CONTRACTOR \_\_\_\_\_  
 RECORDED BY \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_  
 PERMIT NO. \_\_\_\_\_

EMS ENG. SPONSOR: D. HAINES LINE NO. 859-873-0076 DESIGN RESPONSIBILITY DESIGN  
 GAS ENG. SPONSOR: D. BRODBECK LINE NO. 287-1001 DESIGN RESPONSIBILITY MAIN  
 CONSTRUCTION CONTACT: D. WESTENBURG LINE NO. 247-2588

PERMITS REQUIRED: CITY OF BELLEVUE

GAS DEPT.			MOD 371		
DRAWN	EMS	10/11/05	DISTRICT C E N W N SE SW W		
CHECKED	DAH	10/11/05	SCALE AS NOTED		
APPROVED			I.D. NO.		
APPROVED			W.O. NO. SEE CHART		
APPROVED			EST. FOOTAGE 10,431'		
MAP NO. S 0 1 E 0 1 - 2 5			DRAWING NO. 0 5 - 8 3 7 1 - 6		

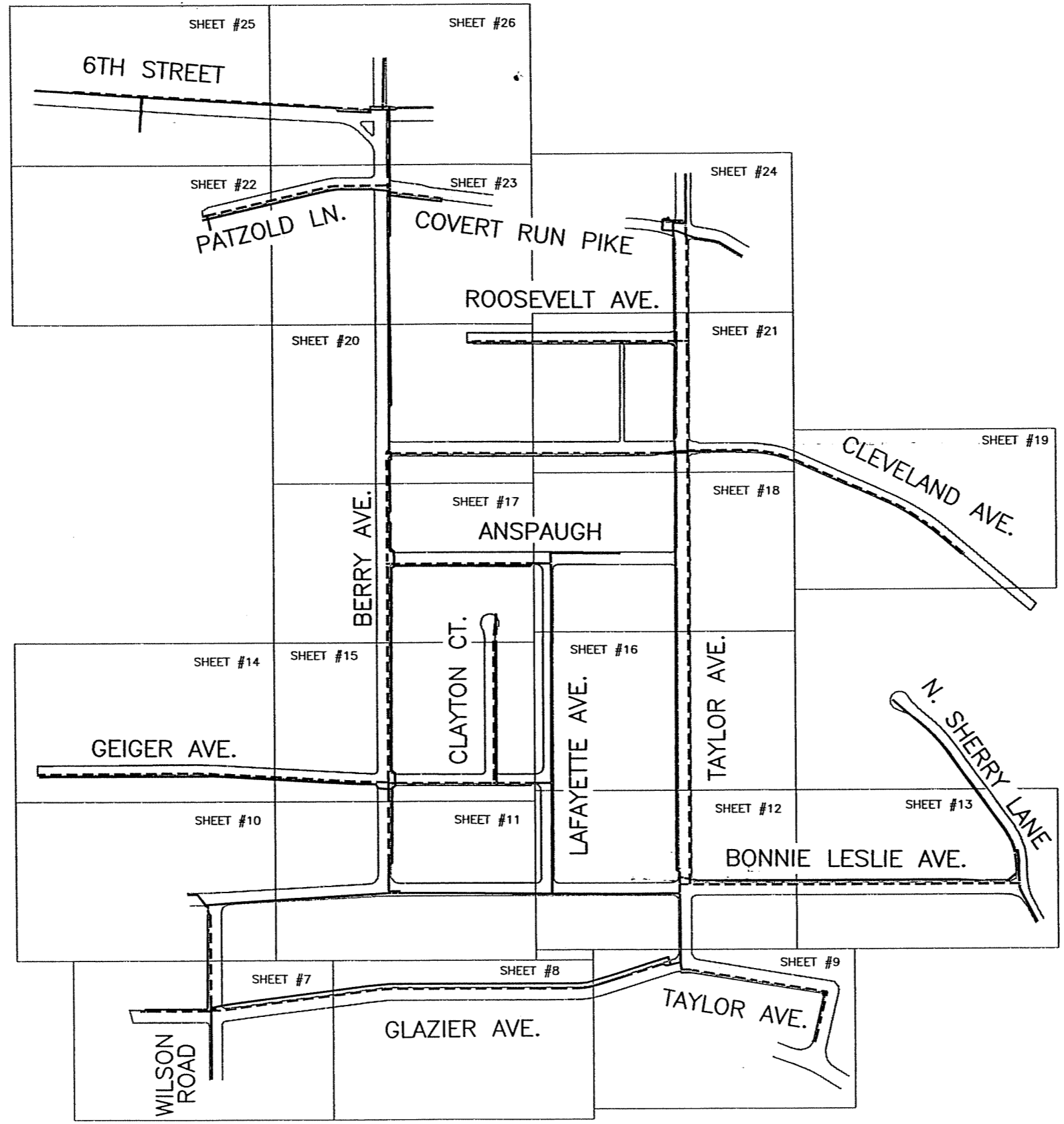
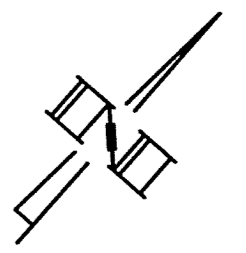
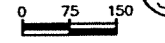
MAIN REPLACEMENT  
 BELLEVUE, CAMPBELL CO., KY

	W.O.#
MAIN INSTALLATION	G0583716
SERVICE M-C INSTALLATION	MC0583716
SERVICE C-M INSTALLATION	CM0583716
ABANDONMENT	R0583716
METER RELOCATION	CIBSMM

CPCN Filing  
 March, 2006  
 Module 371

\* SERVICE CUTS ARE TO BE REPORTED ON INDIVIDUAL JOB CONTROL FORMS  
 \*\* PERMIT NUMBER REQUIRED FOR CITY OF CINCINNATI, NORWOOD, HAMILTON COUNTY, AND STATE OF KENTUCKY





REVISIONS





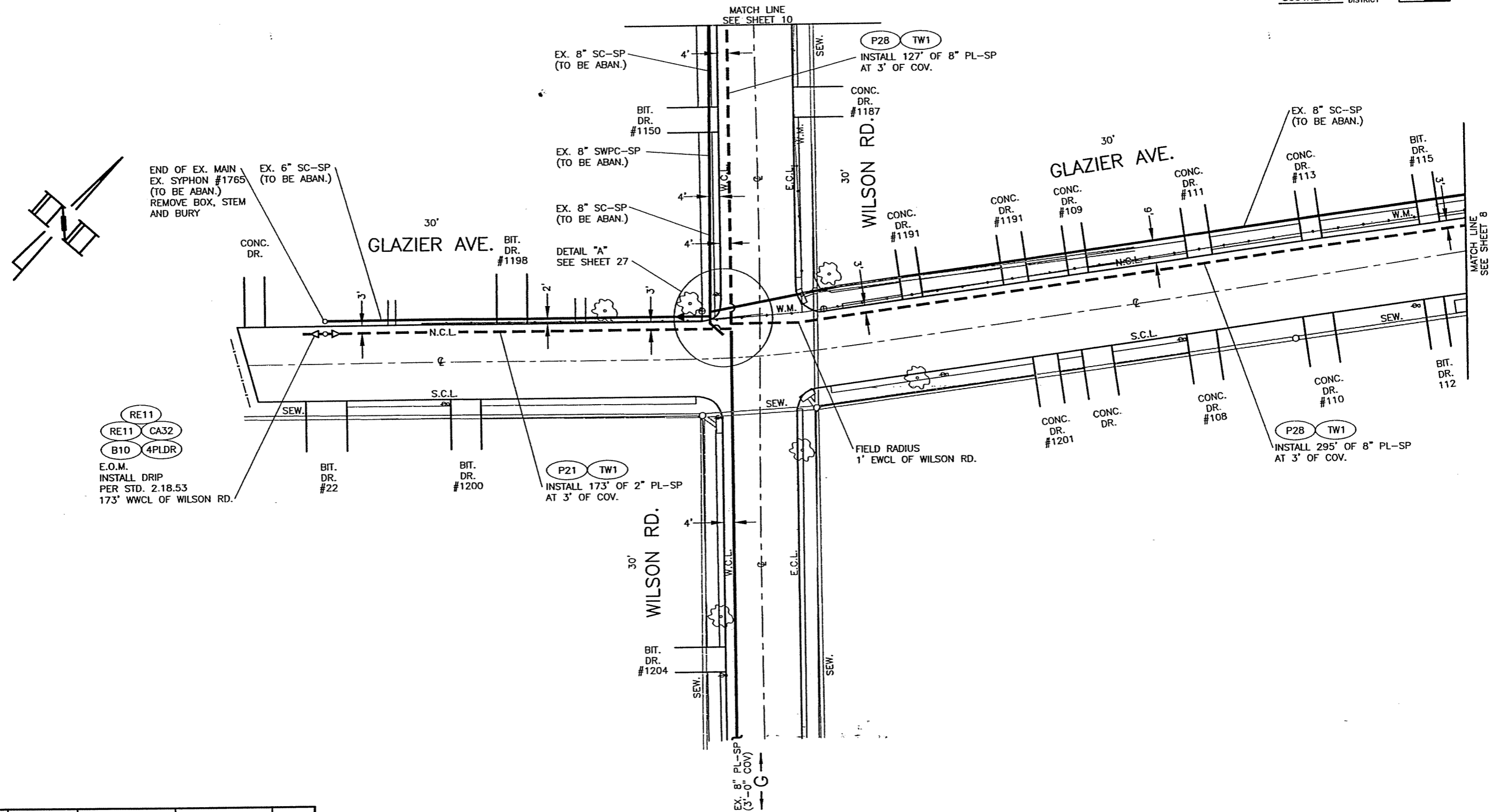


MAIN MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST.	ACTUAL
4PLDR			5	
6PLDR			5	
AN3	17# GALVOMAG	0050056182	7	
AS3	RECT. VALVE BOX ASSEMBLY	0050057269	2	
B10	TRACER WIRE BOX	0050057326	1	
B09	ROUND VALVE BOX	0050057322	32	
B09	ROUND VALVE BOX LID	0050057324	32	
CA30	6" IPS BUTT FUSION CAP	0050088404	3	
CA32	2" IPS PURGE POINT FITTING	0050057593	7	
CO30	6" ELECTROFUSION COUPLING	0050091357	39	
CO32	3" COUPLING #711 S-PL W/STIFFENER	0050057432	1	
CO33	4" COUPLING #711 S-PL W/ STIFFENER	0050057434	1	
CO34	6" COUPLING #711 S-PL W/ STIFFENER	0050057436	6	
CO39	2" ELECTROFUSION COUPLING	0050057409	1	
CO41	4" ELECTROFUSION COUPLING	0050057407	16	
CO47	8" ELECTROFUSION COUPLING	0050092525	7	
CO49	8" COUPLING #711 S-S NON-INS	0050092528	1	
CO58	12" COUPLING #711 S-PL	0050118102	1	
EL39	4" - 90 DEG. IPS BUTT FUSION ELL	0050057555	1	
EL40	3" - 45 DEG. IPS BUTT FUSION ELL	0050091394	2	
EL43	6" - 45 DEG. IPS BUTT FUSION ELL	0050088405	12	
EL44	6" - 45 DEG. IPS BUTT FUSION ELL	0050088406	2	
EL45	8" - 45 DEG. IPS BUTT FUSION ELL	0050092509	4	
P22	4" IPS PLASTIC PIPE - 40' .395 SDR 11.5	0050056058	3,724	
P26	3" IPS PLASTIC PIPE - 40' .302 SDR 11.5	0050088397	60	
P27	6" IPS PLASTIC PIPE - 40' .491 SDR 13.5	0050088398	5,701	
P28	8" IPS PLASTIC PIPE - 40' .639 SDR 13.5	0050092508	946	
RE11	4" IPS X 2" IPS BUTT FUSION REDUCER	0050057758	6	
RE13	4" IPS X 3" IPS BUTT FUSION REDUCER	0050088409	1	
RE15	6" IPS X 4" IPS BUTT FUSION REDUCER	0050088410	11	
RE18	8" IPS X 6" IPS BUTT FUSION REDUCER	0050092516	1	
RE21	12" IPS X 8" IPS BUTT FUSION REDUCER	0050118109	1	
SB	TRACER WIRE SPLIT BOLT	0000933615	18	
ST8	8" STIFFENER	0050092527	1	
ST8	8" STIFFENER	0050118103	1	
ST8	12" STIFFENER	0050057867	1	
TE39	4" IPS BUTT FUSION TEE	0050088411	15	
TE42	6" IPS BUTT FUSION TEE	0050092512	1	
TE48	8" IPS BUTT FUSION TEE	0050092519	1	
TE64	8" X 8" SDR 13.5 X 2" IPS REDUCING BUTT FUSION	0000903923	4	
TE70	4" X 1" ELECTROFUSION TEE	0000903927	12	
TE71	6" X 1" ELECTROFUSION TEE	0050079028	10,431	
TW1	TRACER WIRE	0050088490	1	
VA56	4" PLASTIC VALVE 80#	0050088489	1	
VA58	3" PLASTIC VALVE 80#			

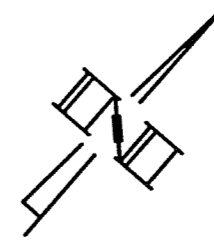
RETIREMENT MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST.	ACTUAL
CA28	4" IPS BUTT FUSION CAP	0050057347	2	
CA3	4" M.J. CAP	0050057329	1	
CA30	6" IPS BUTT FUSION CAP	0050088404	7	
CA31	8" IPS BUTT FUSION CAP	0050092510	3	
CA35	3" IPS BUTT FUSION CAP	0050091397	1	
CA4	6" M.J. CAP	0050057330	2	
CO30	6" ELECTROFUSION COUPLING	0050091357	2	
CO32	3" COUPLING #711 S-PL W/STIFFENER	0050057432	1	
CO34	6" COUPLING #711 S-PL W/STIFFENER	0050057436	5	
CO41	4" ELECTROFUSION COUPLING	0050057407	2	
CO47	8" ELECTROFUSION COUPLING	0050092525	2	
CO49	8" COUPLING #711 S-S NON-INS	0050092528	1	
ST8	8" STIFFENER	0050092527	1	



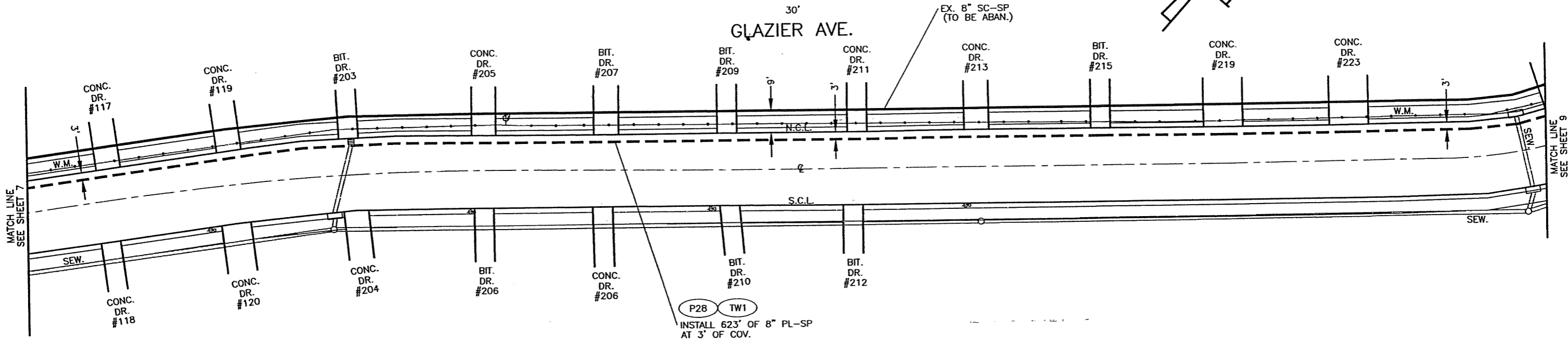
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"				173'	
8"				422'	

REVISIONS



30'  
GLAZIER AVE.

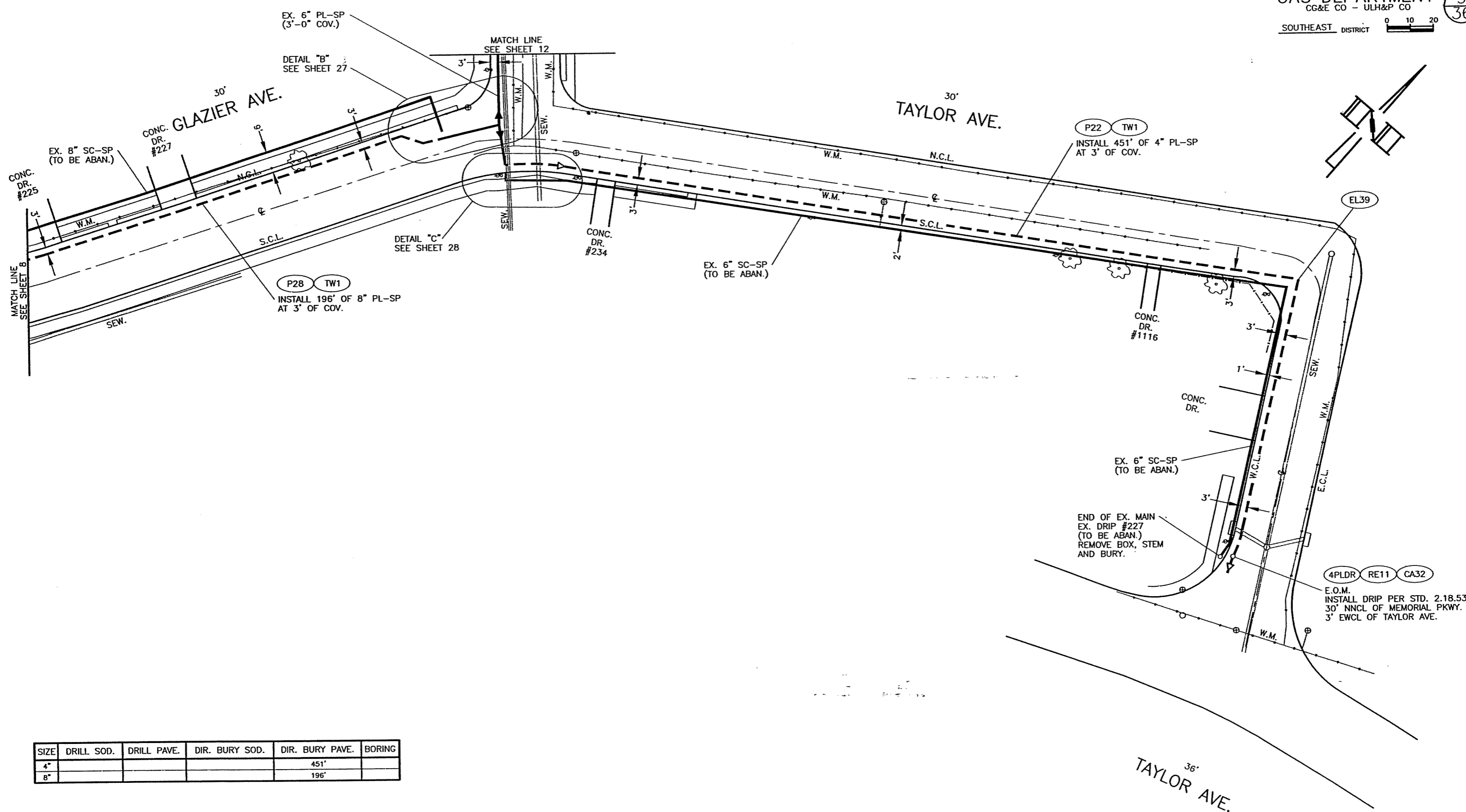
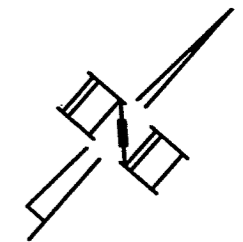
EX. 8" SC-SP  
(TO BE ABAN.)



P28 TW1  
INSTALL 623' OF 8" PL-SP  
AT 3' OF COV.

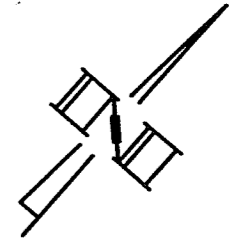
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
8"				623'	

REVISIONS

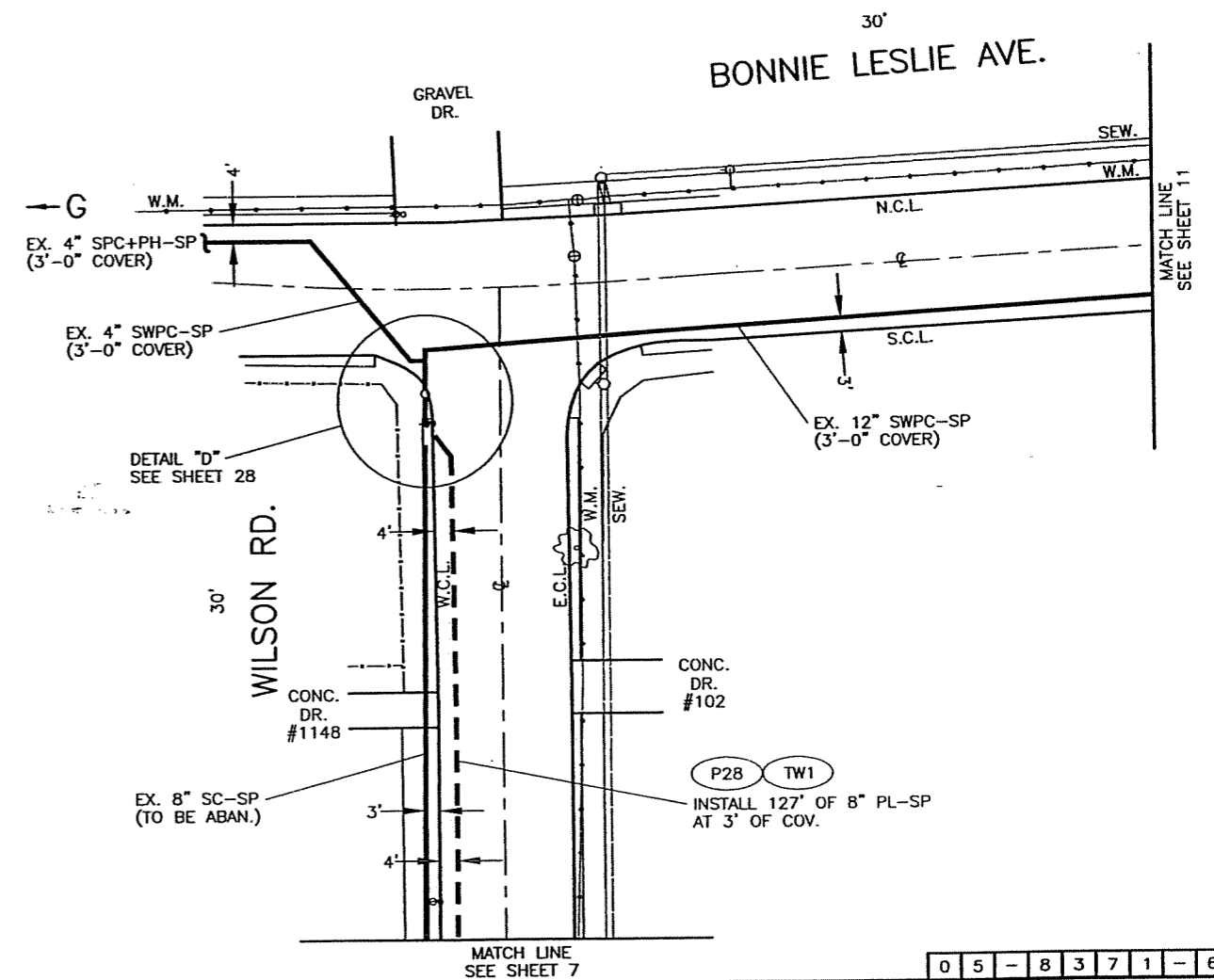


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				451'	
8"				196'	

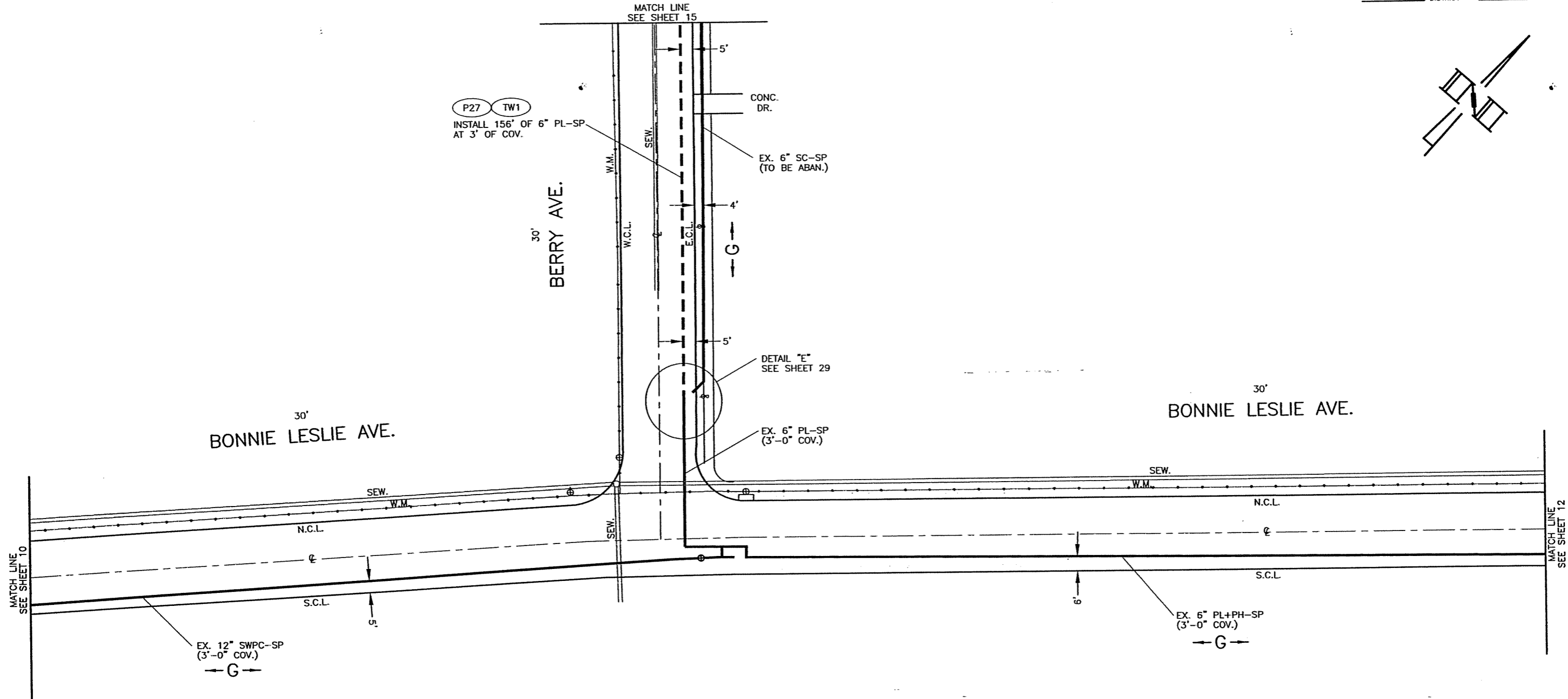
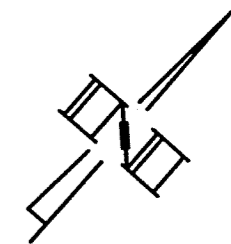
REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
8"				127"	



REVISIONS



P27 TW1  
INSTALL 156' OF 6" PL-SP  
AT 3' OF COV.

CONC.  
DR.  
EX. 6" SC-SP  
(TO BE ABAN.)

DETAIL "E"  
SEE SHEET 29

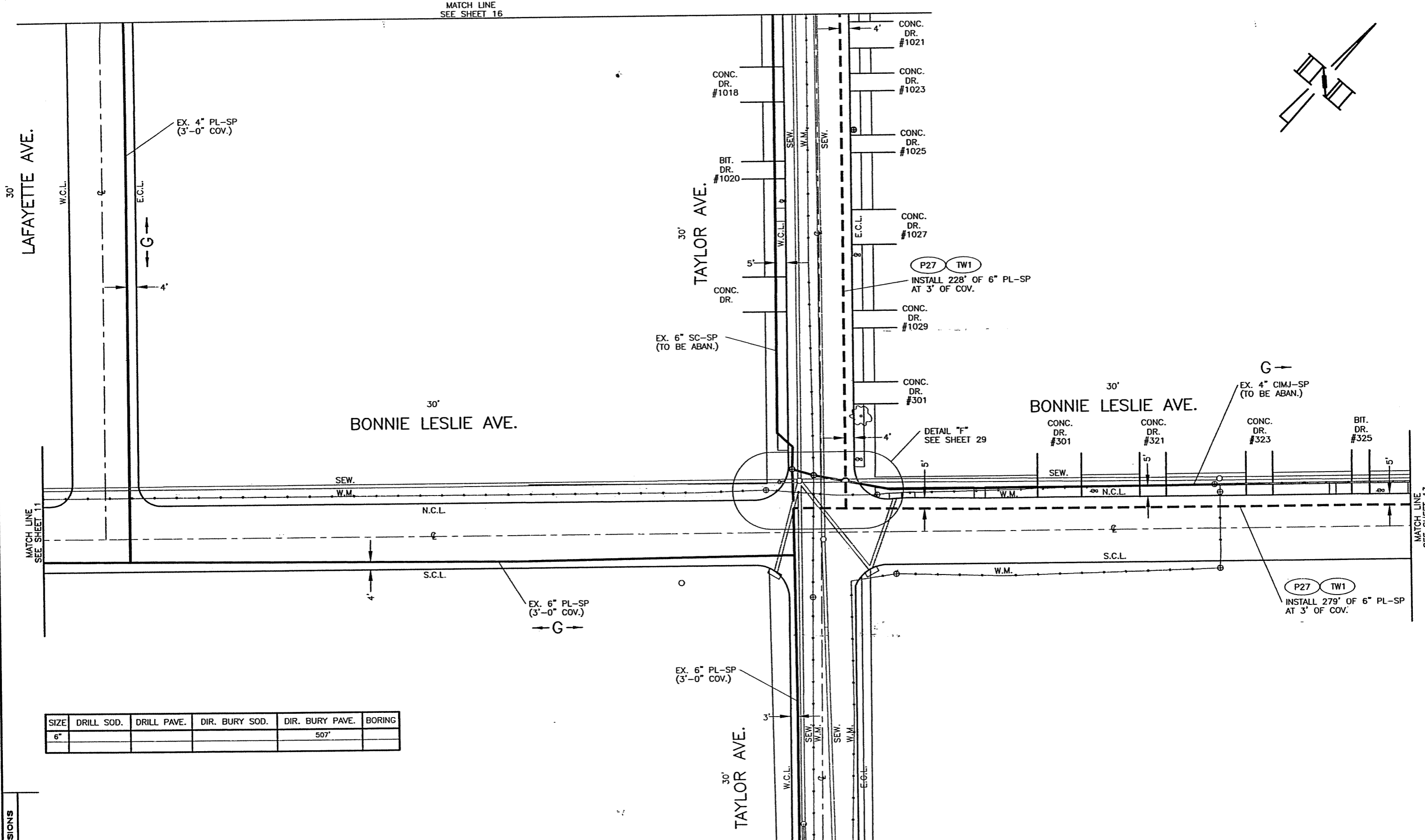
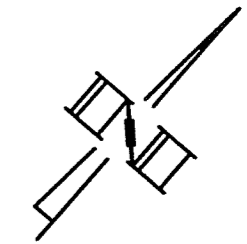
EX. 6" PL-SP  
(3'-0" COV.)

EX. 6" PL+PH-SP  
(3'-0" COV.)

EX. 12" SWPC-SP  
(3'-0" COV.)

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				156'	

REVISIONS



MATCH LINE  
SEE SHEET 16

MATCH LINE  
SEE SHEET 11

MATCH LINE  
SEE SHEET 13

MATCH LINE  
SEE SHEET 9

30'  
LAFAYETTE AVE.

30'  
TAYLOR AVE.

30'  
BONNIE LESLIE AVE.

30'  
BONNIE LESLIE AVE.

30'  
TAYLOR AVE.

EX. 4" PL-SP  
(3'-0" COV.)

CONC.  
DR.  
#1018

BIT.  
DR.  
#1020

CONC.  
DR.  
#1029

EX. 6" SC-SP  
(TO BE ABAN.)

CONC.  
DR.  
#1021

CONC.  
DR.  
#1023

CONC.  
DR.  
#1025

CONC.  
DR.  
#1027

CONC.  
DR.  
#1029

CONC.  
DR.  
#301

DETAIL "F"  
SEE SHEET 29

CONC.  
DR.  
#301

CONC.  
DR.  
#321

CONC.  
DR.  
#323

BIT.  
DR.  
#325

EX. 4" CIMJ-SP  
(TO BE ABAN.)

EX. 6" PL-SP  
(3'-0" COV.)

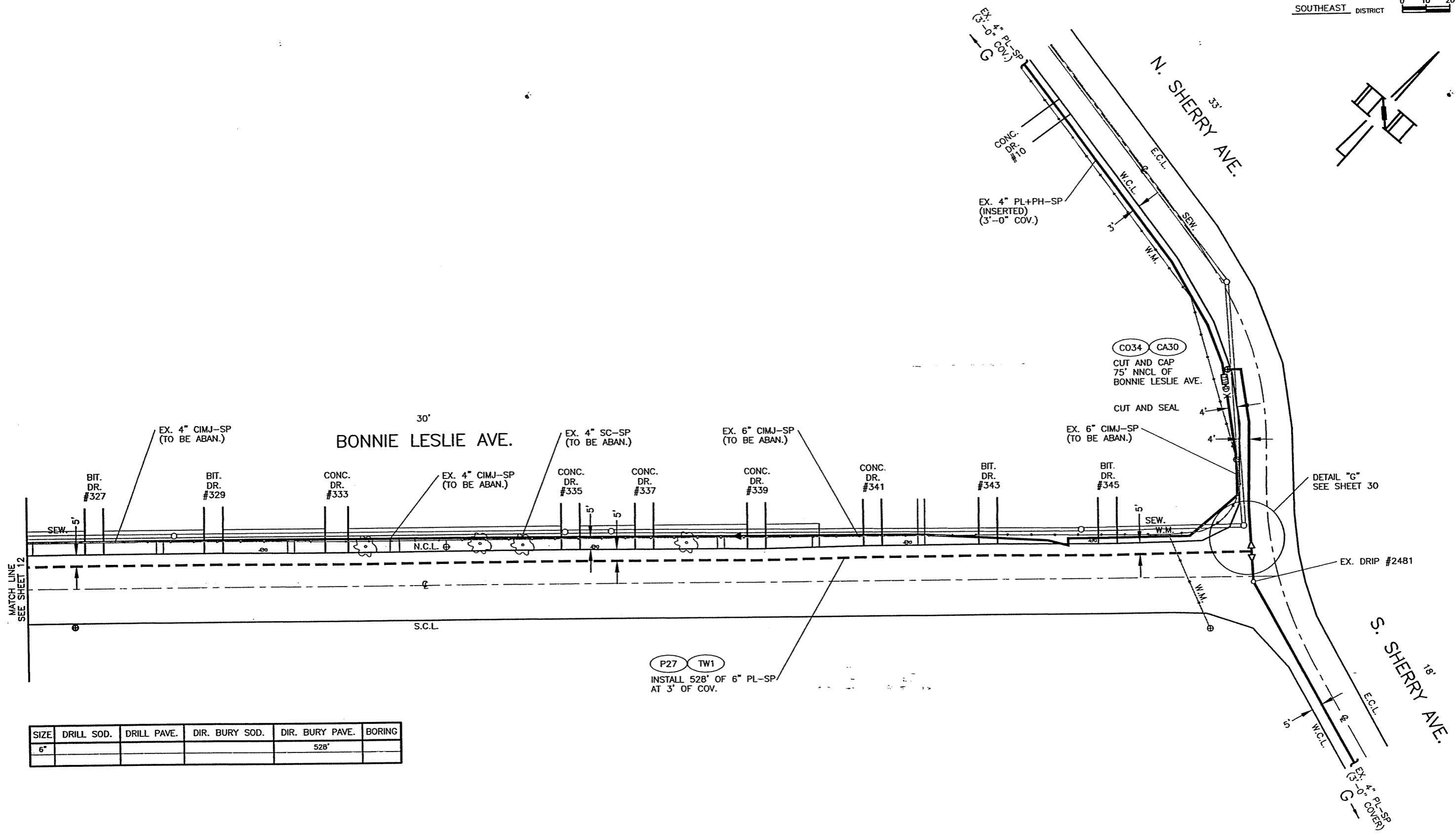
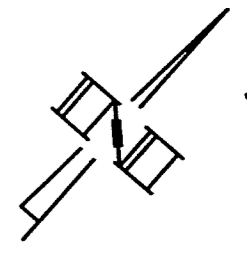
EX. 6" PL-SP  
(3'-0" COV.)

P27 TW1  
INSTALL 279' OF 6" PL-SP  
AT 3' OF COV.

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				507'	

REVISIONS



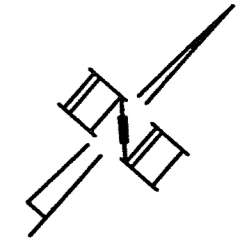
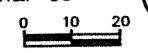


MATCH LINE  
SEE SHEET 12

(P27) (TW1)  
INSTALL 528' OF 6" PL-SP  
AT 3' OF COV.

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				528'	

REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				541'	

23'  
 GEIGER AVE.

P22 TW1  
 INSTALL 541' OF 4" PL-SP  
 AT 3' OF COV.

4PLDR RE11 CA32 B10

E.O.M.  
 INSTALL DRIP PER STD. 2.18.53

END OF EX. MAIN  
 EX. SIPHON #1140  
 (TO BE ABAN.)  
 REMOVE BOX, STEM  
 AND BURY.

CONC.  
 DR.  
 #68

CONC.  
 DR.  
 #70

BIT.  
 DR.  
 #74

CONC.  
 DR.  
 #76

BIT.  
 DR.  
 #80

CONC.  
 DR.  
 #82

CONC.  
 DR.  
 #84

CONC.  
 DR.  
 #86

CONC.  
 DR.  
 #88

CONC.  
 DR.  
 #88

CONC.  
 DR.  
 #90

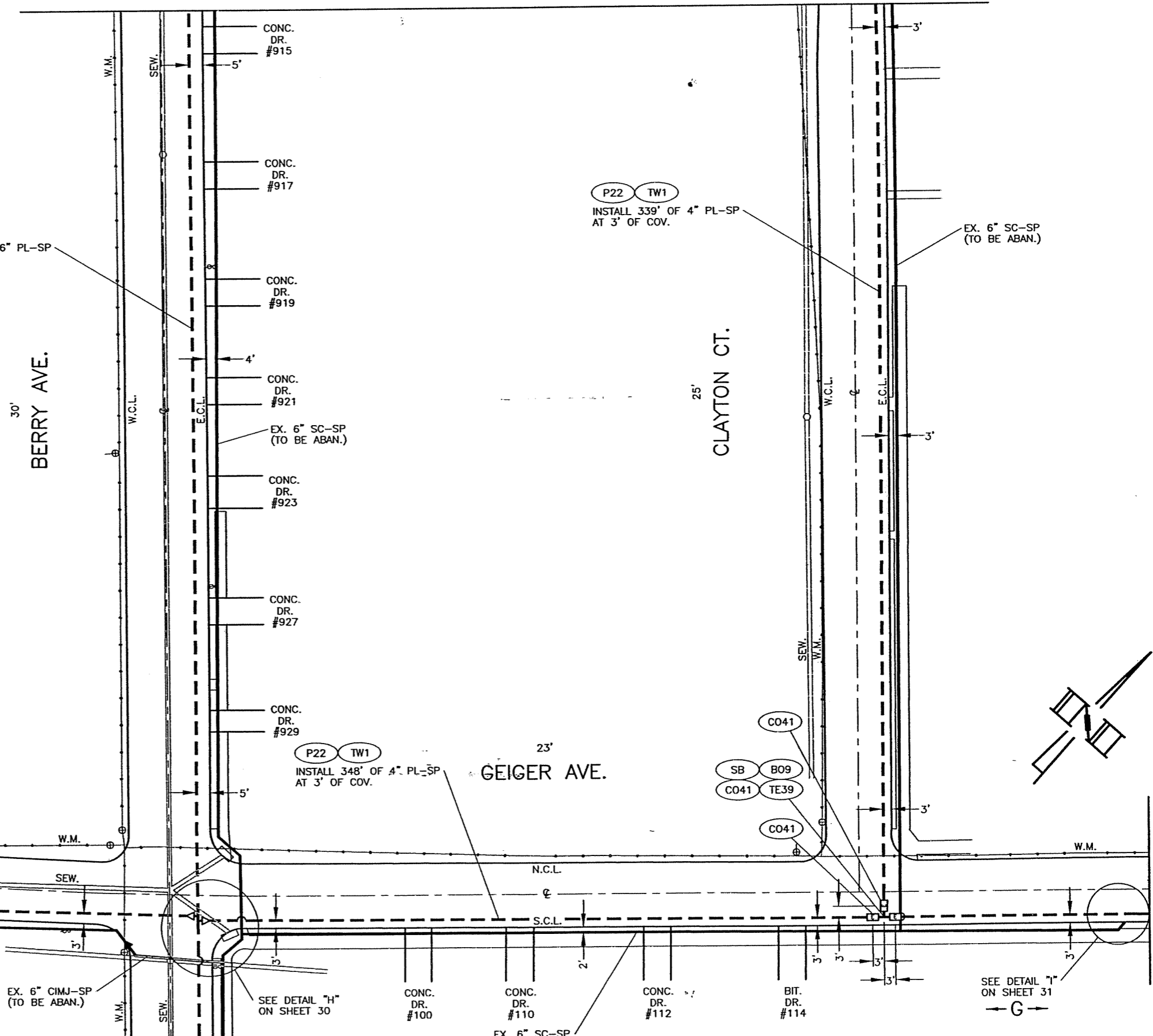
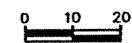
CONC.  
 DR.  
 #92

EX. 4" CIMJ-SP  
 (TO BE ABAN.)

MATCH LINE  
 SEE SHEET 15

REVISIONS

MATCH LINE  
SEE SHEET 17



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				617'	
6"				388'	

REVISIONS

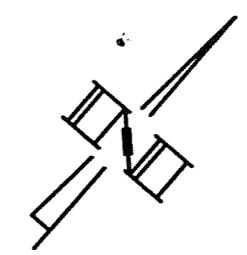
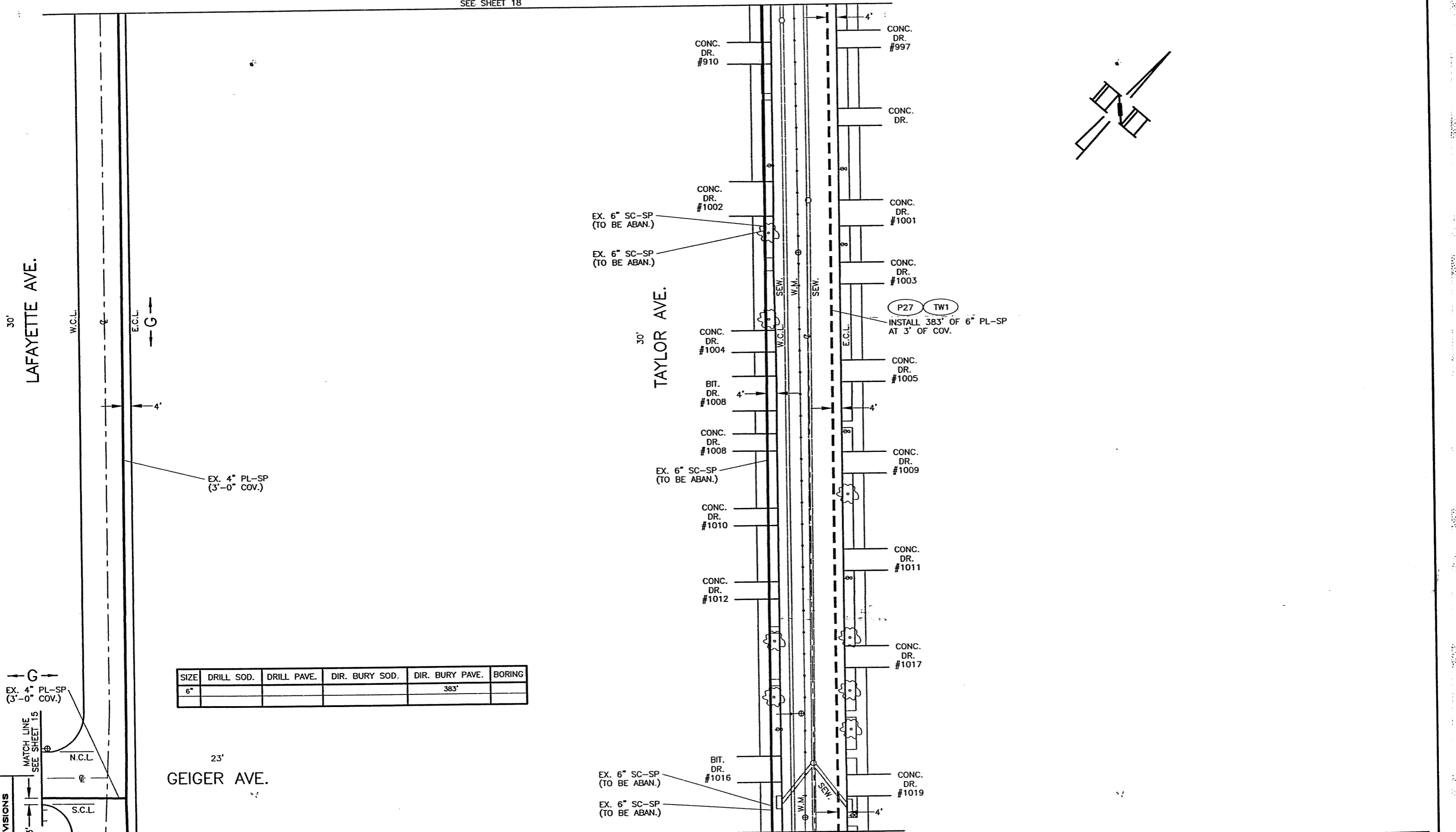
MATCH LINE  
SEE SHEET 14

MATCH LINE  
SEE SHEET 16

MATCH LINE  
SEE SHEET 11

05-8371-6

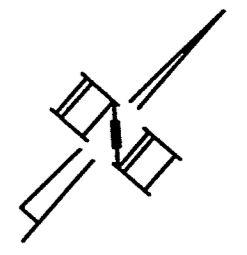
MATCH LINE  
 SEE SHEET 18



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				383'	

REVISIONS  
 3' →

MATCH LINE  
 SEE SHEET 12

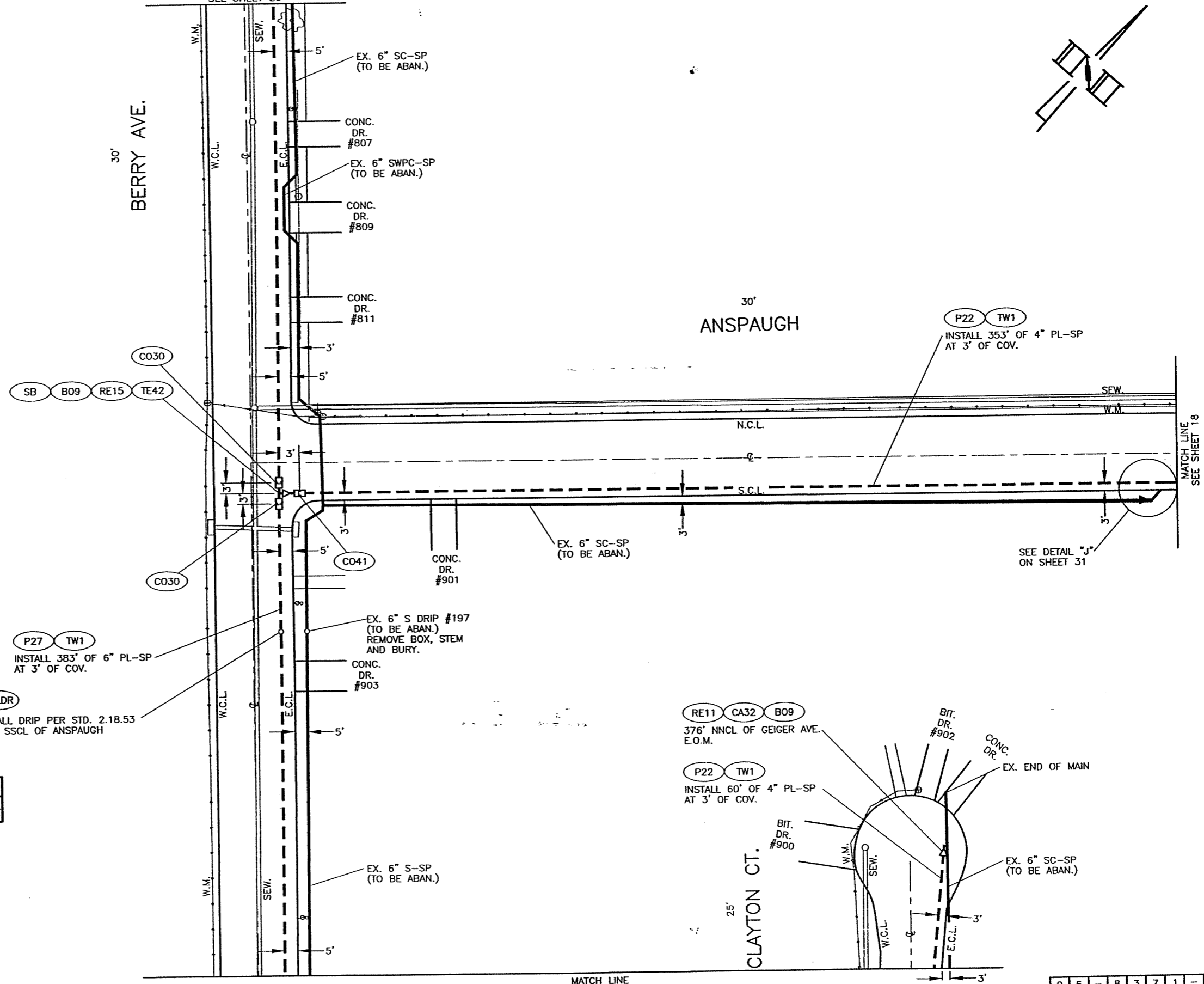


MATCH LINE  
SEE SHEET 20

30'  
BERRY AVE.

30'  
ANSPAUGH

25'  
CLAYTON CT.



MATCH LINE  
SEE SHEET 18

SEE DETAIL "J" ON SHEET 31

RE11 CA32 B09  
376' NNCL OF GEIGER AVE. E.O.M.

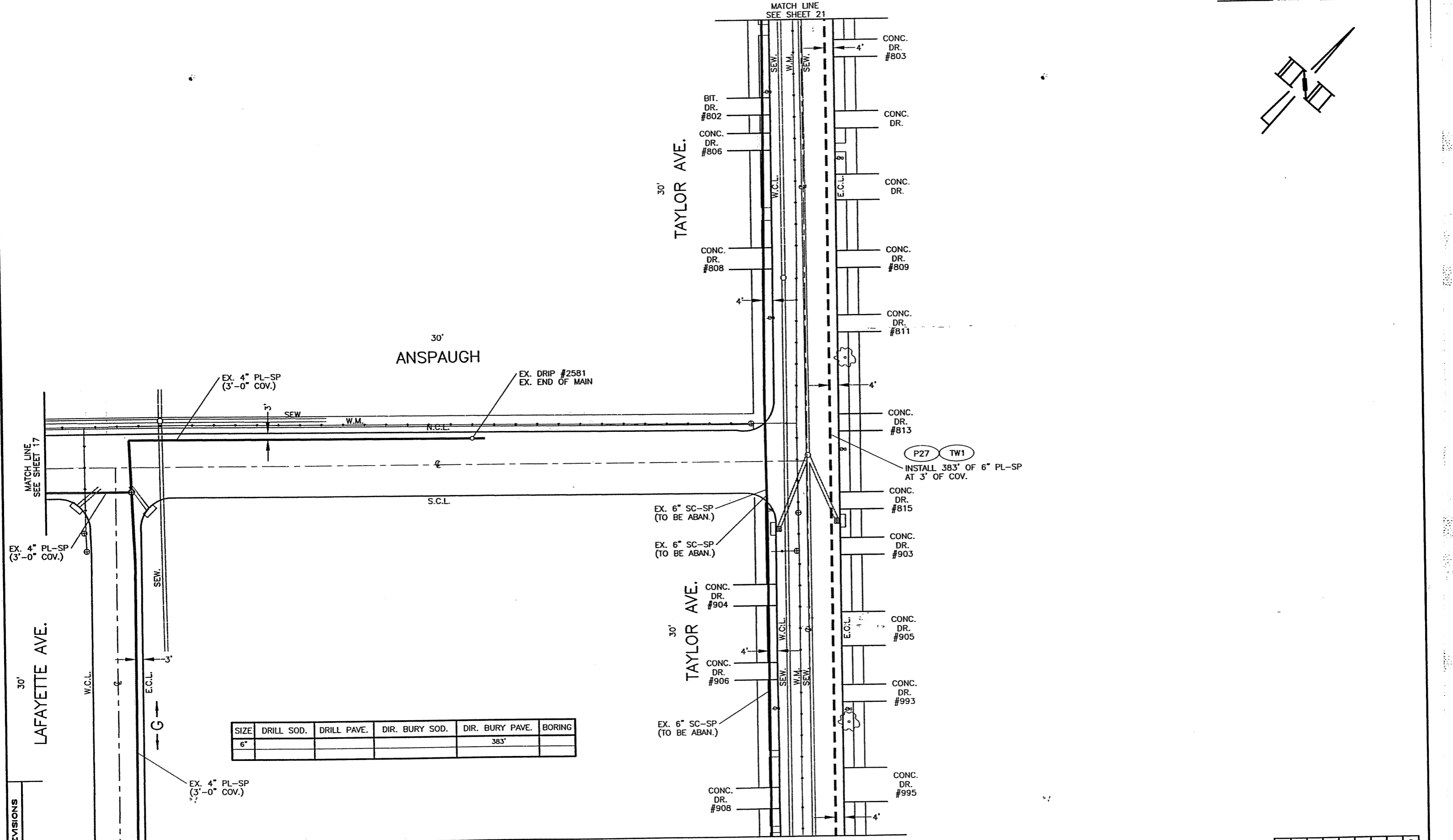
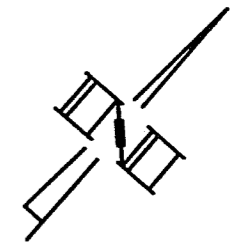
P22 TW1  
INSTALL 60' OF 4" PL-SP AT 3' OF COV.

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				413'	
6"				383'	

REVISIONS

MATCH LINE  
SEE SHEET 15

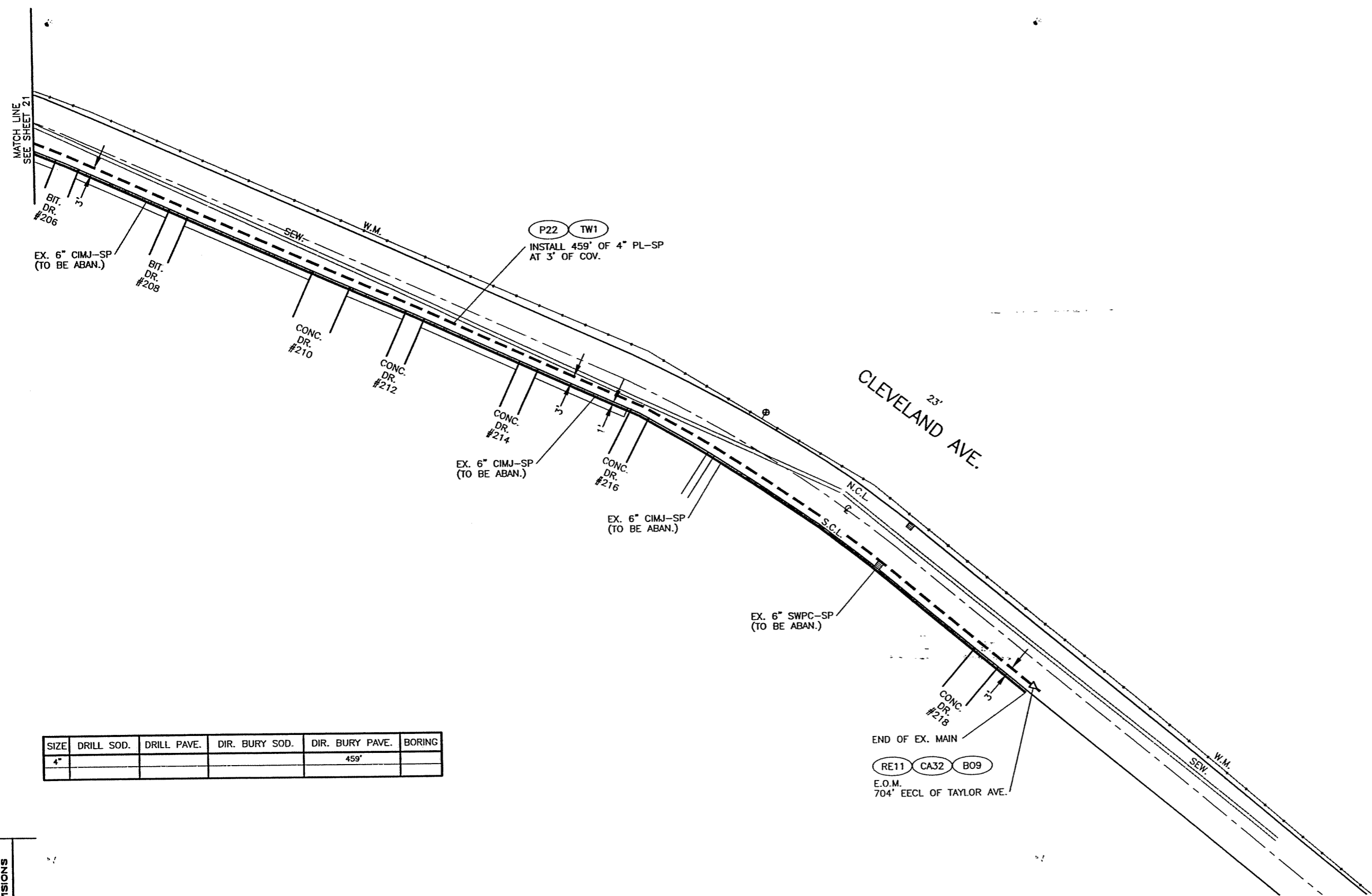
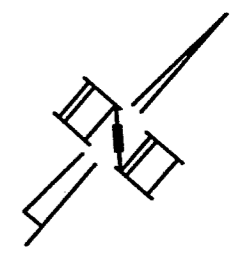
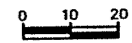
0 5 - 8 3 7 1 - 6



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				383'	

REVISIONS

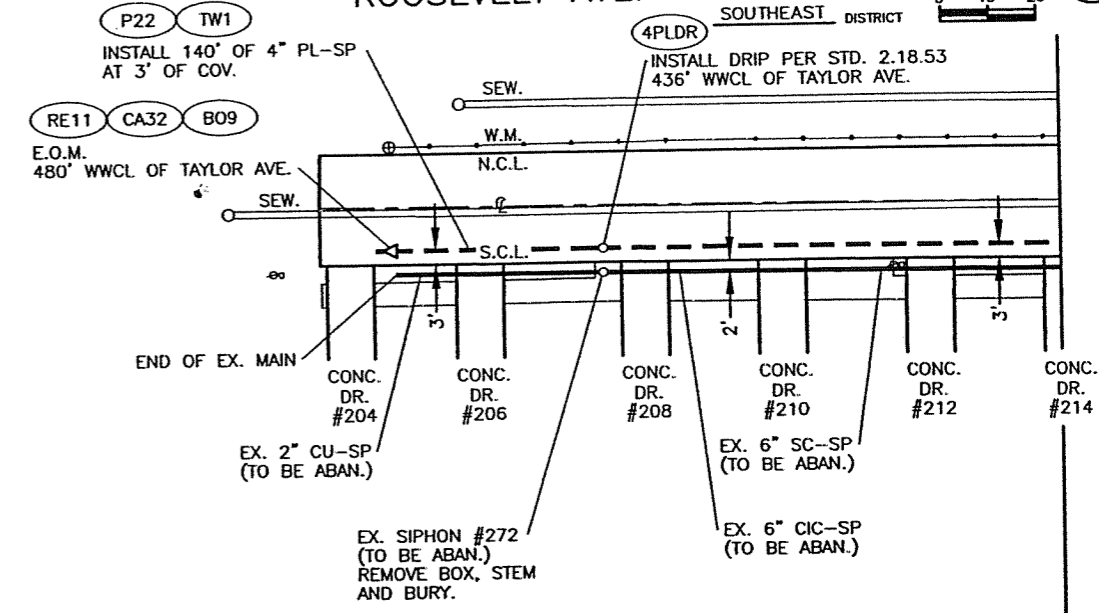
MATCH LINE  
SEE SHEET 16



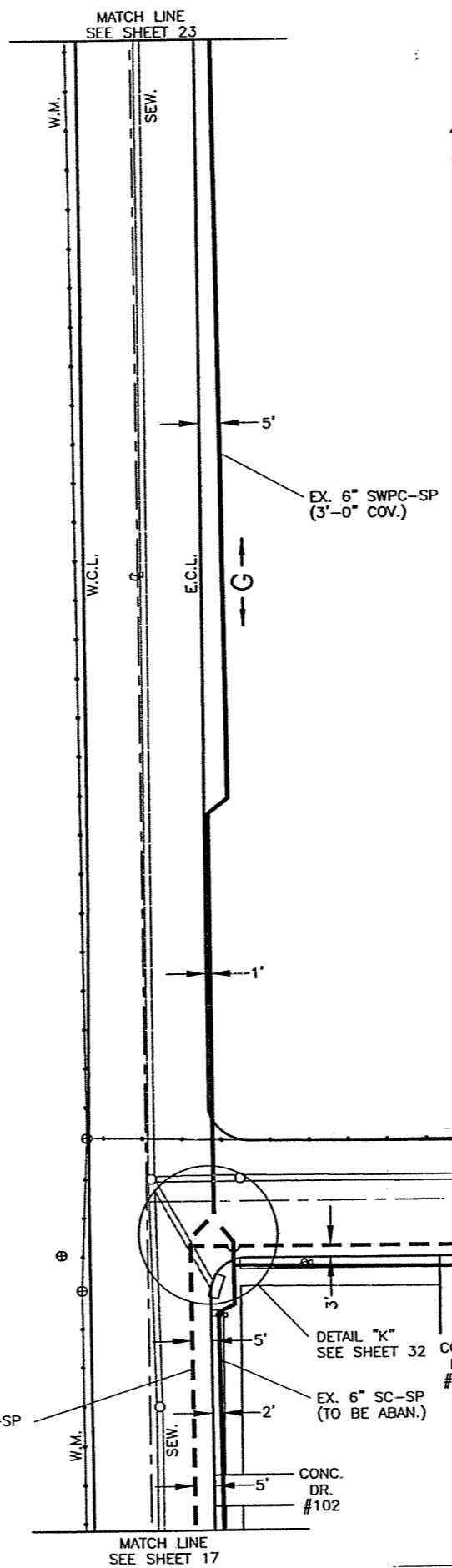
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				459'	

REVISIONS

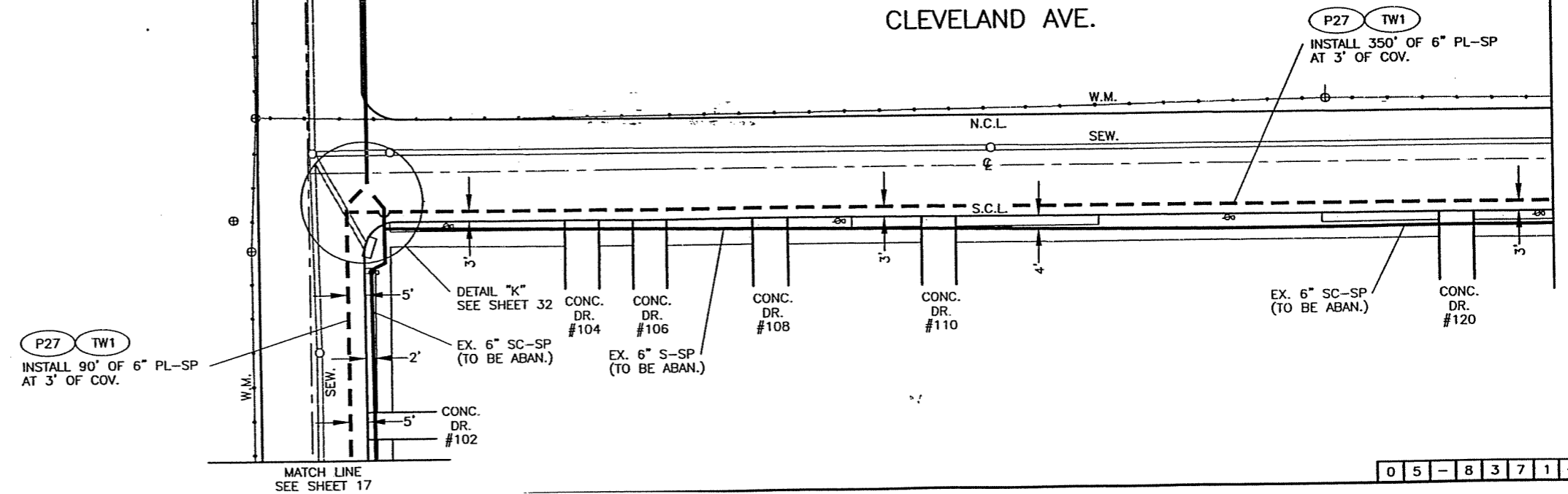
24'  
ROOSEVELT AVE.



30'  
BERRY AVE.



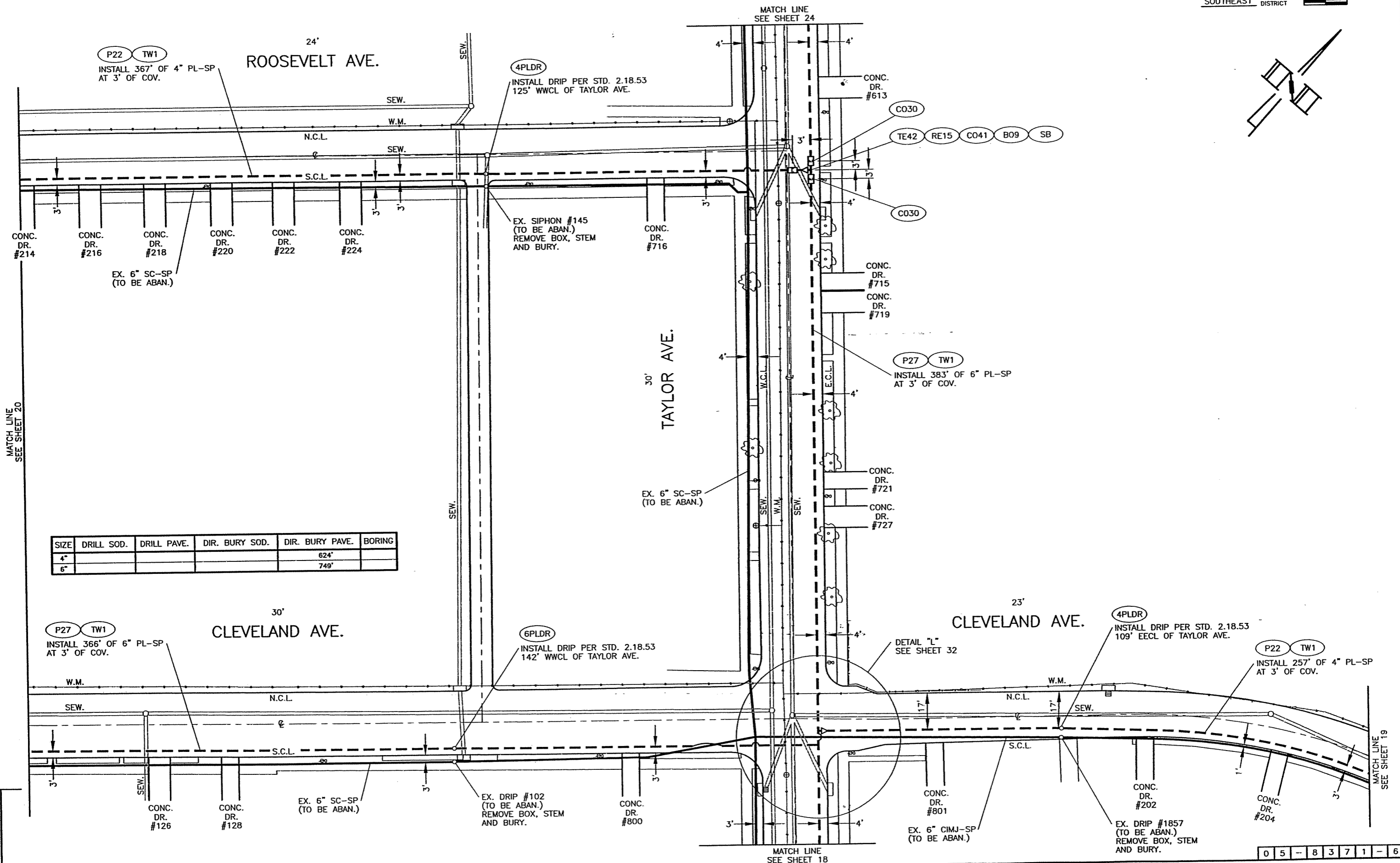
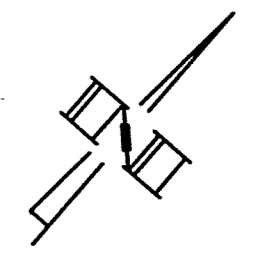
30'  
CLEVELAND AVE.



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				140'	
6"				440'	

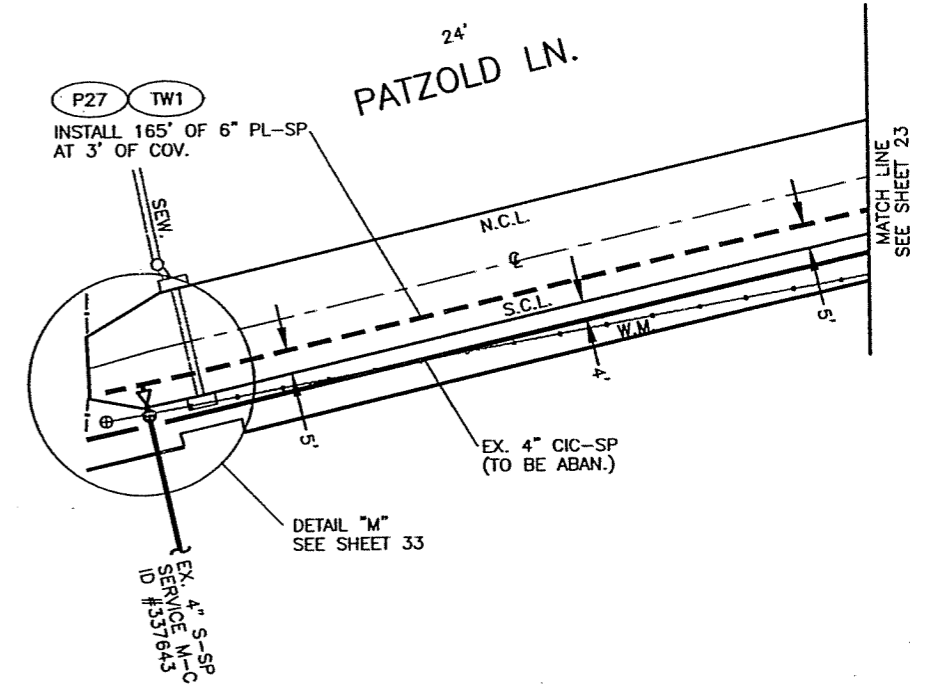
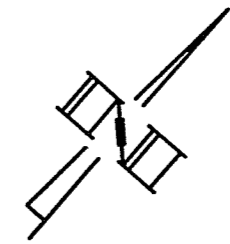
REVISIONS





SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				624'	
6"				749'	

REVISIONS



P27 TW1

INSTALL 165' OF 6" PL-SP  
AT 3' OF COV.

24'  
PATZOLD LN.

N.C.L.

S.C.L.

W.M.

EX. 4" C-SP  
(TO BE ABAN.)

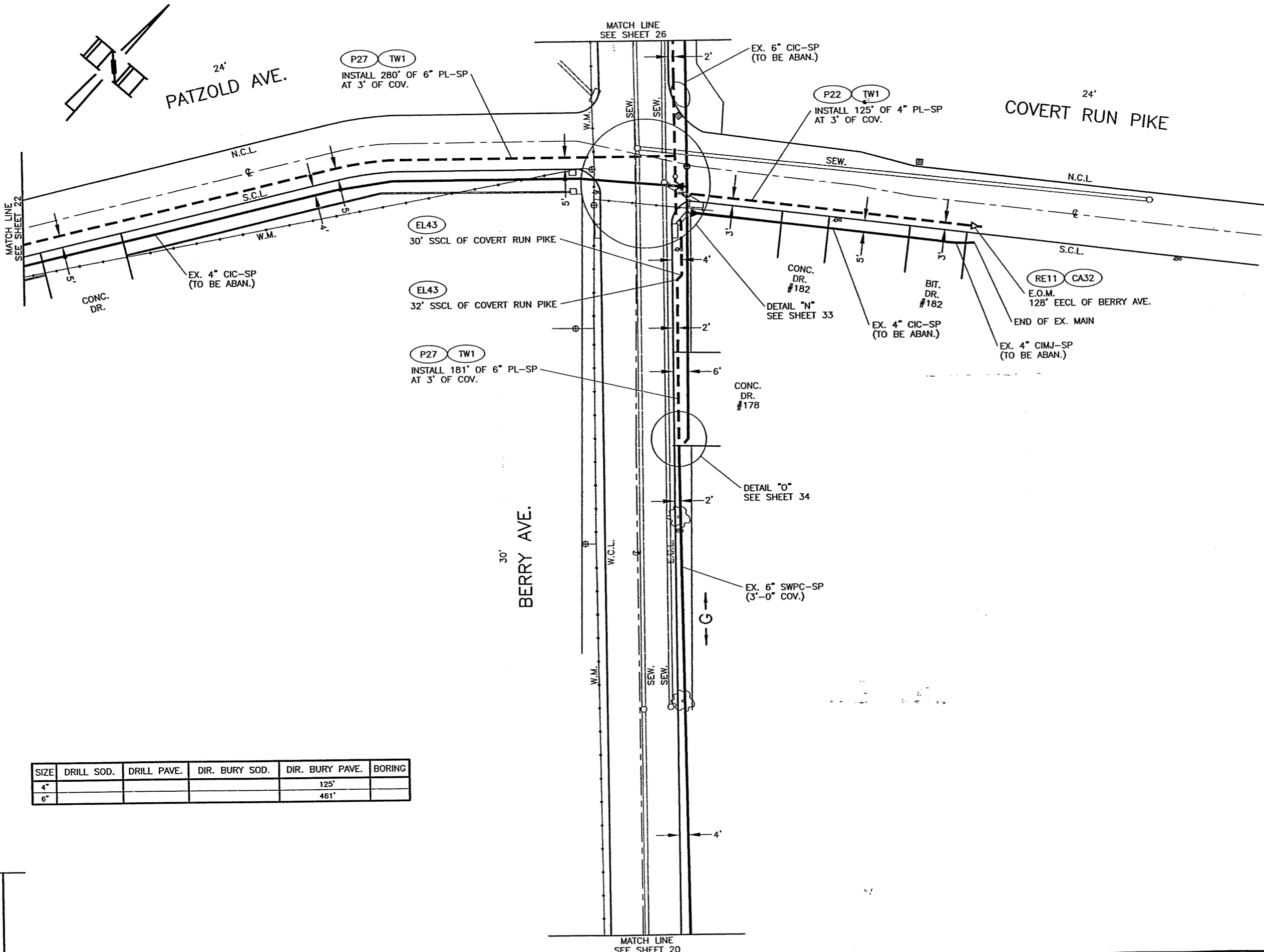
DETAIL "M"  
SEE SHEET 33

EX. 4" S-SP  
SERVICE M-1  
ID #37643

MATCH LINE  
SEE SHEET 23

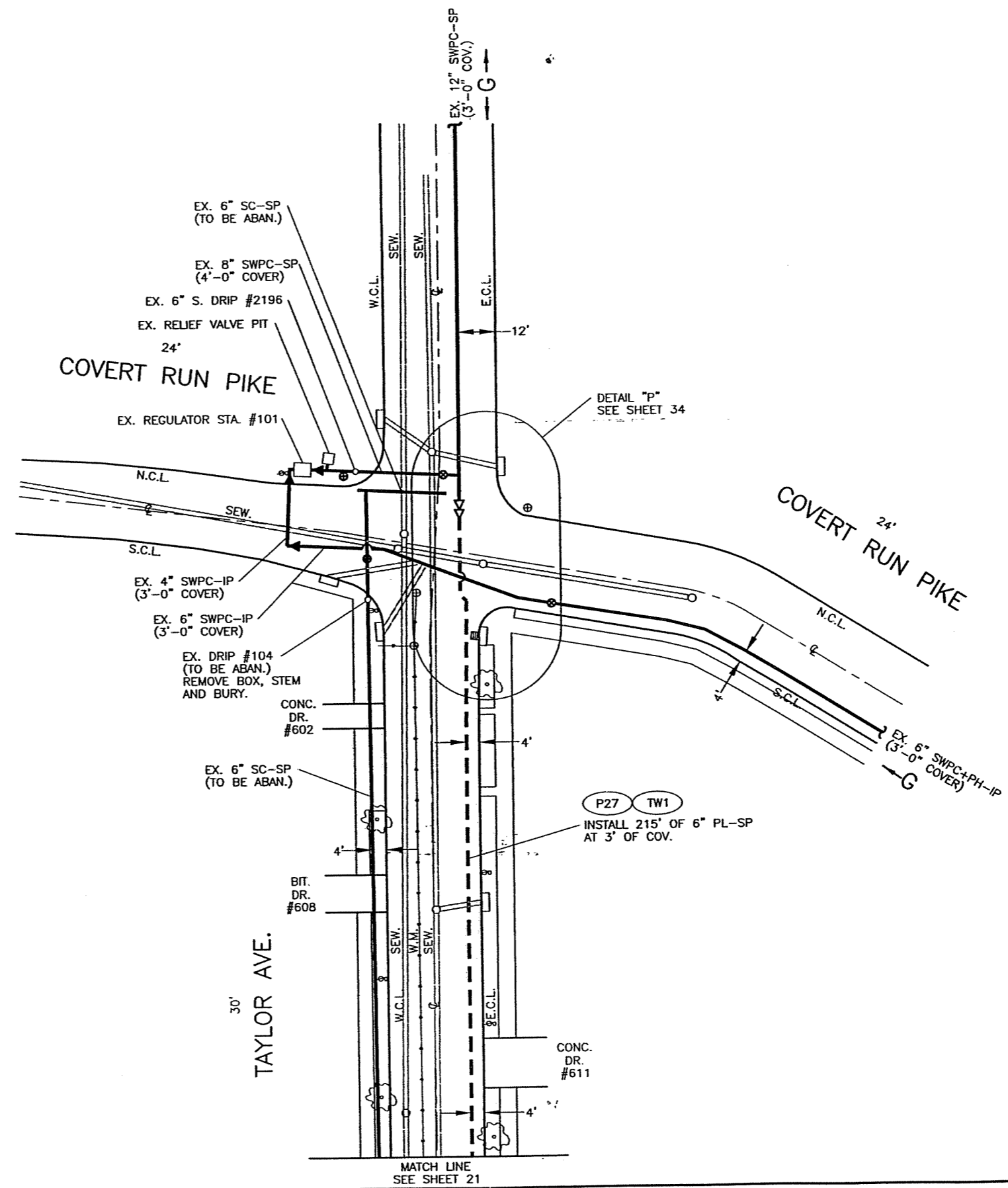
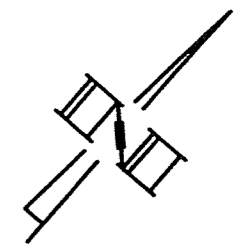
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				165'	

REVISIONS



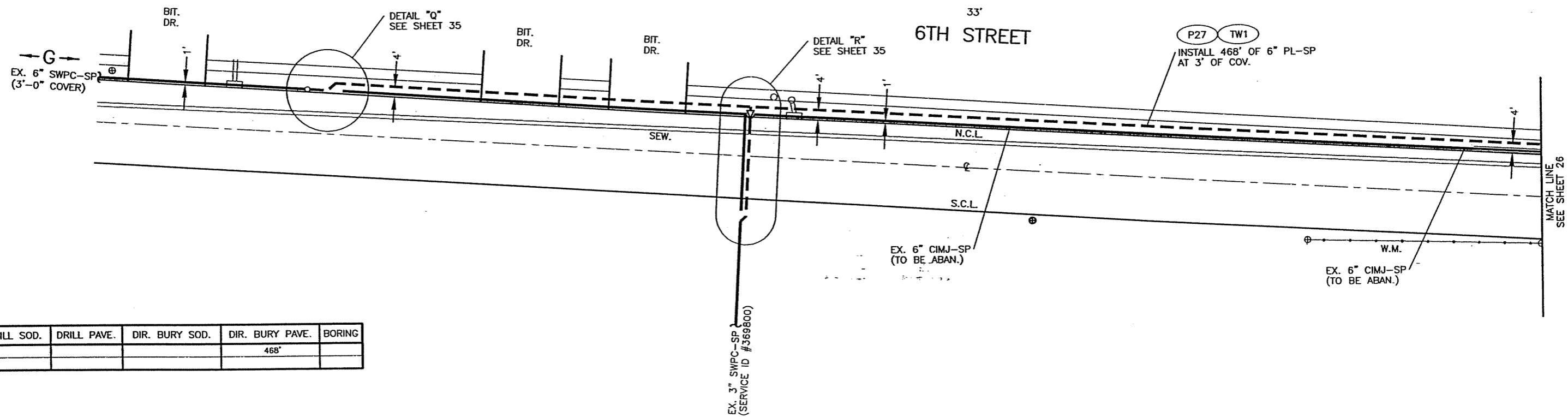
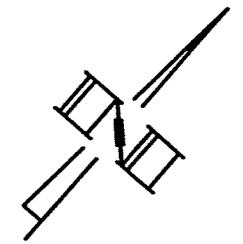
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"				125'	
6"				461'	

REVISIONS



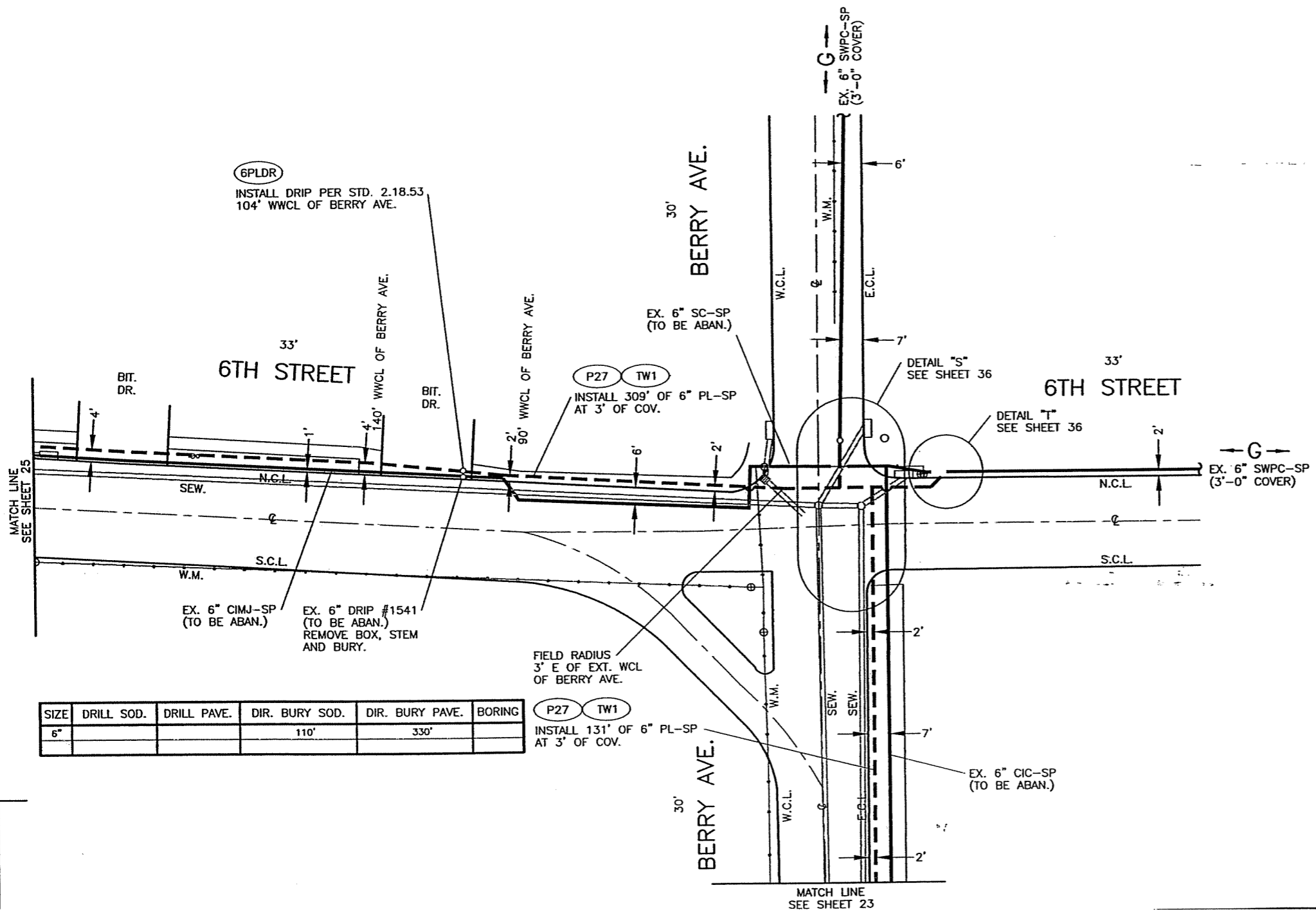
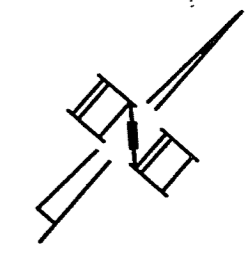
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				215'	

REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				468'	

REVISIONS



6PLDR  
INSTALL DRIP PER STD. 2.18.53  
104' WWCL OF BERRY AVE.

EX. 6" SC-SP  
(TO BE ABAN.)

P27 TW1  
INSTALL 309' OF 6" PL-SP  
AT 3' OF COV.

G  
EX. 6" SWPC-SP  
(3'-0" COVER)

DETAIL "S"  
SEE SHEET 36

DETAIL "T"  
SEE SHEET 36

G  
EX. 6" SWPC-SP  
(3'-0" COVER)

EX. 6" CIMJ-SP  
(TO BE ABAN.)

EX. 6" DRIP #1541  
(TO BE ABAN.)  
REMOVE BOX, STEM  
AND BURY.

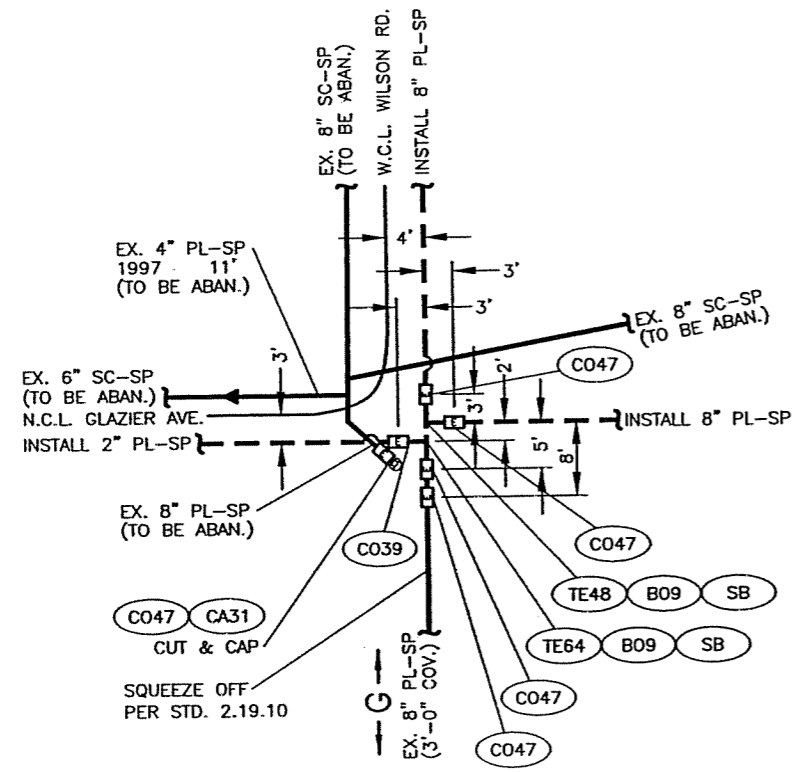
FIELD RADIUS  
3' E OF EXT. WCL  
OF BERRY AVE.

P27 TW1  
INSTALL 131' OF 6" PL-SP  
AT 3' OF COV.

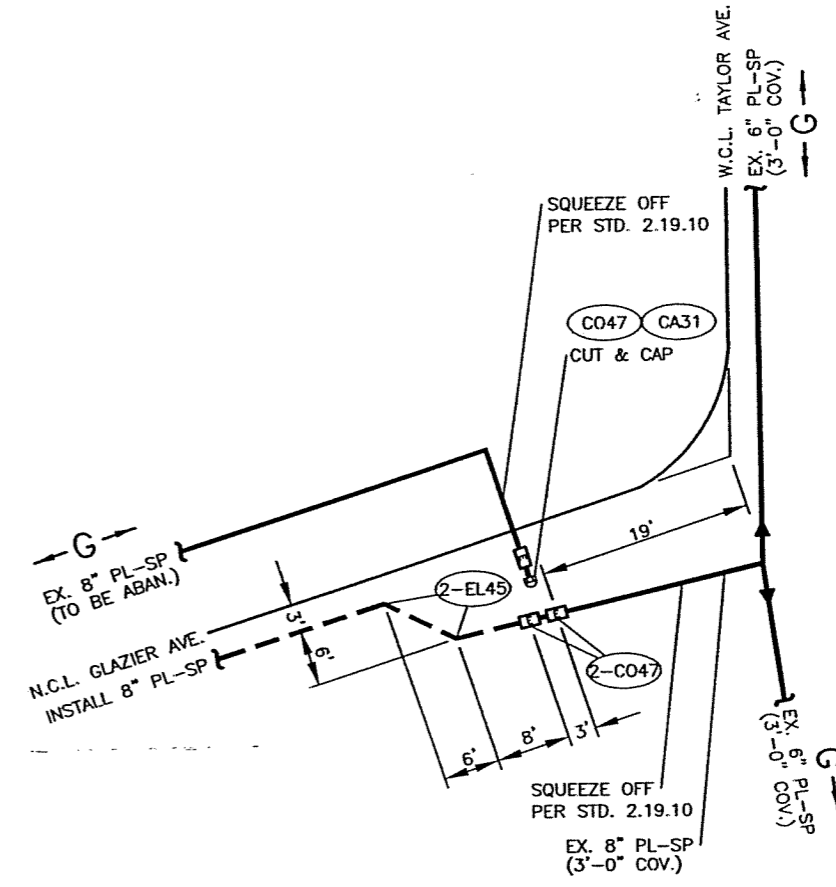
EX. 6" CIC-SP  
(TO BE ABAN.)

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"			110'	330'	

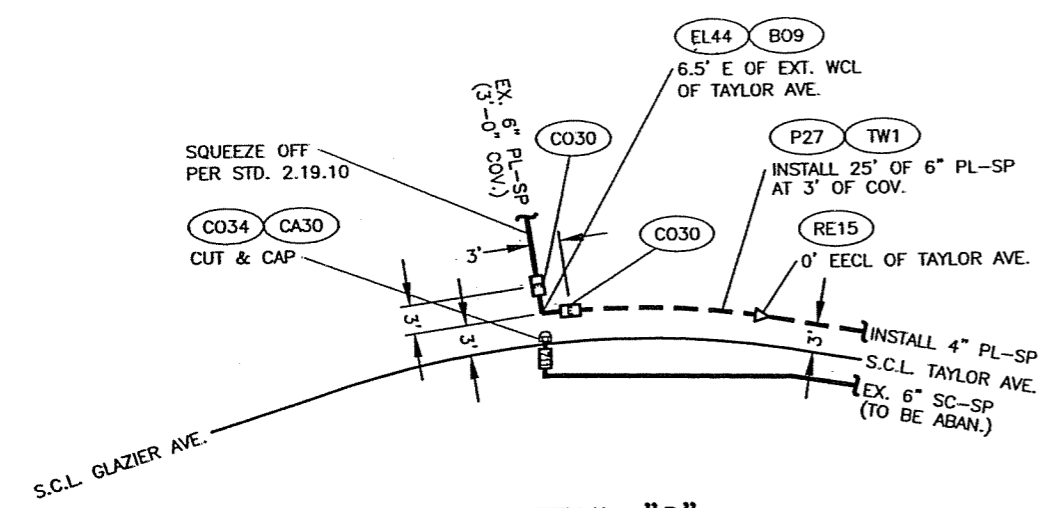
REVISIONS



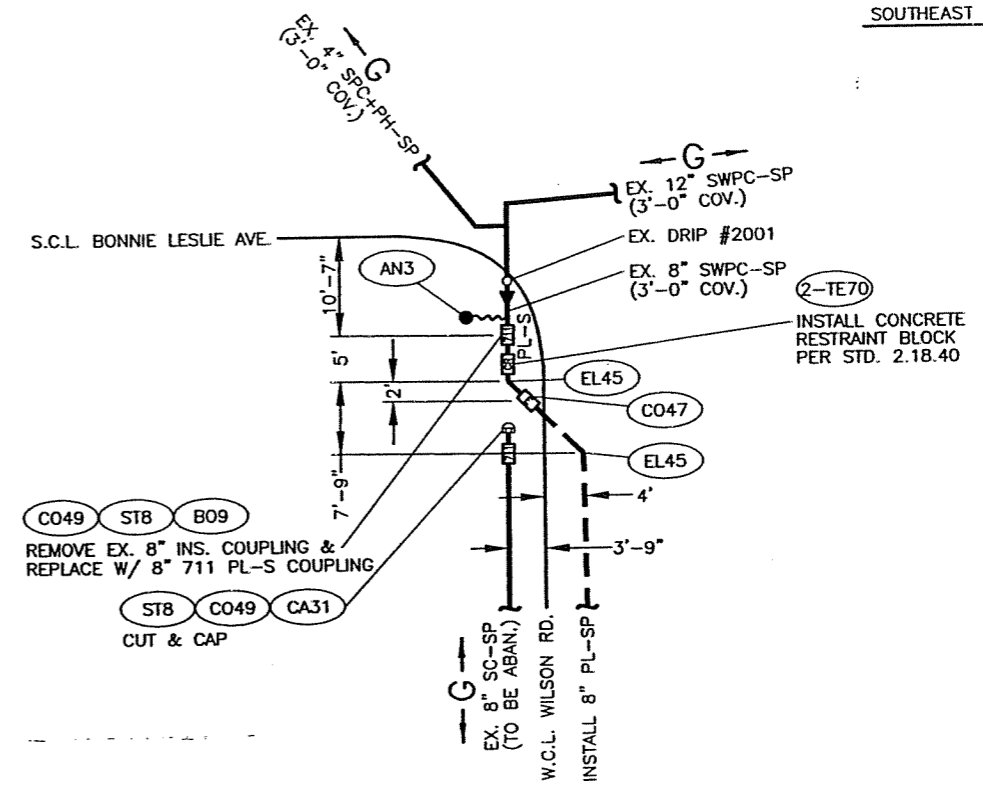
**DETAIL "A"**  
(FROM SHEET 7)  
N.T.S.



**DETAIL "B"**  
(FROM SHEET 9)  
N.T.S.



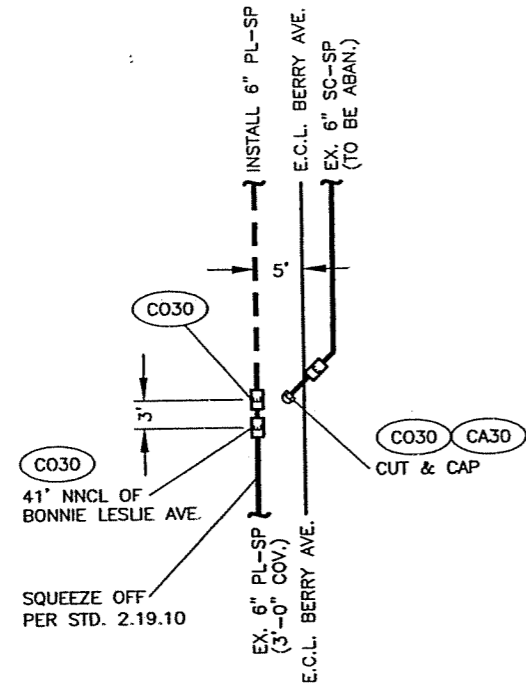
**DETAIL "C"**  
 (FROM SHEET 9)  
 N.T.S.



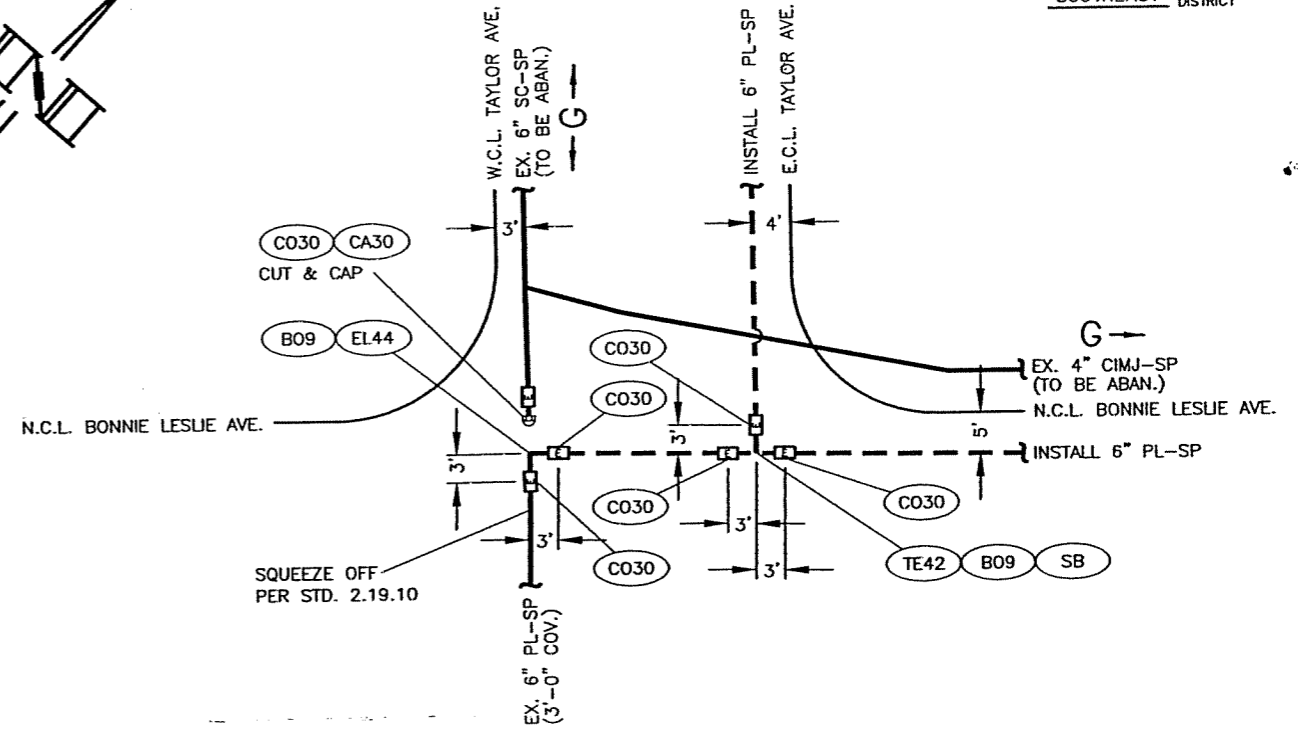
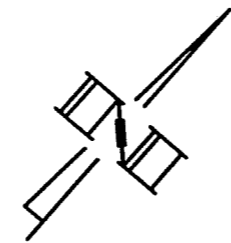
**DETAIL "D"**  
 (FROM SHEET 10)  
 N.T.S.

REVISIONS

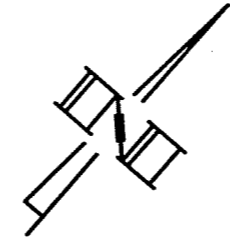




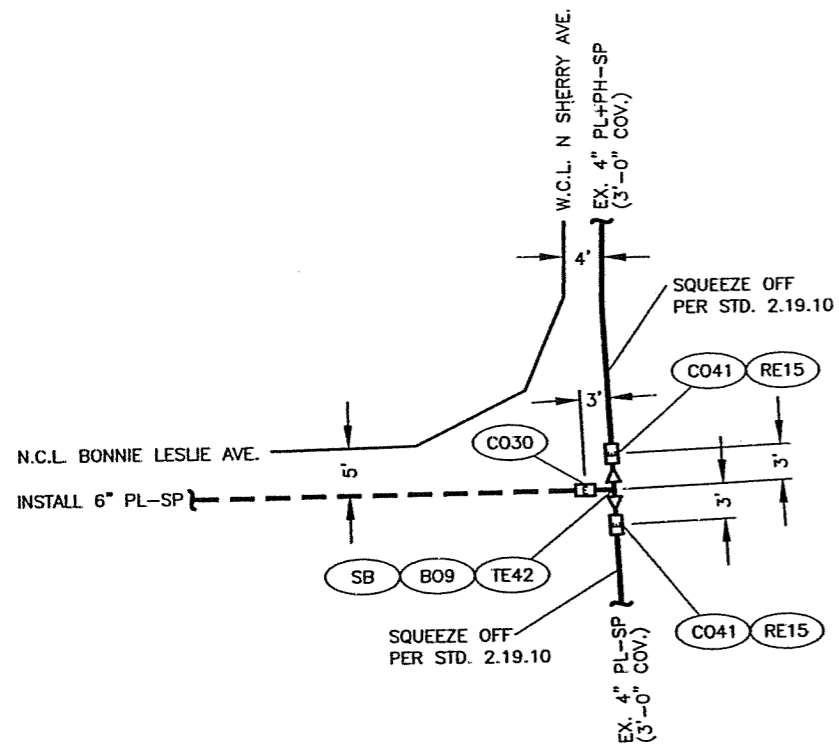
**DETAIL "E"**  
(FROM SHEET 11)  
N.T.S.



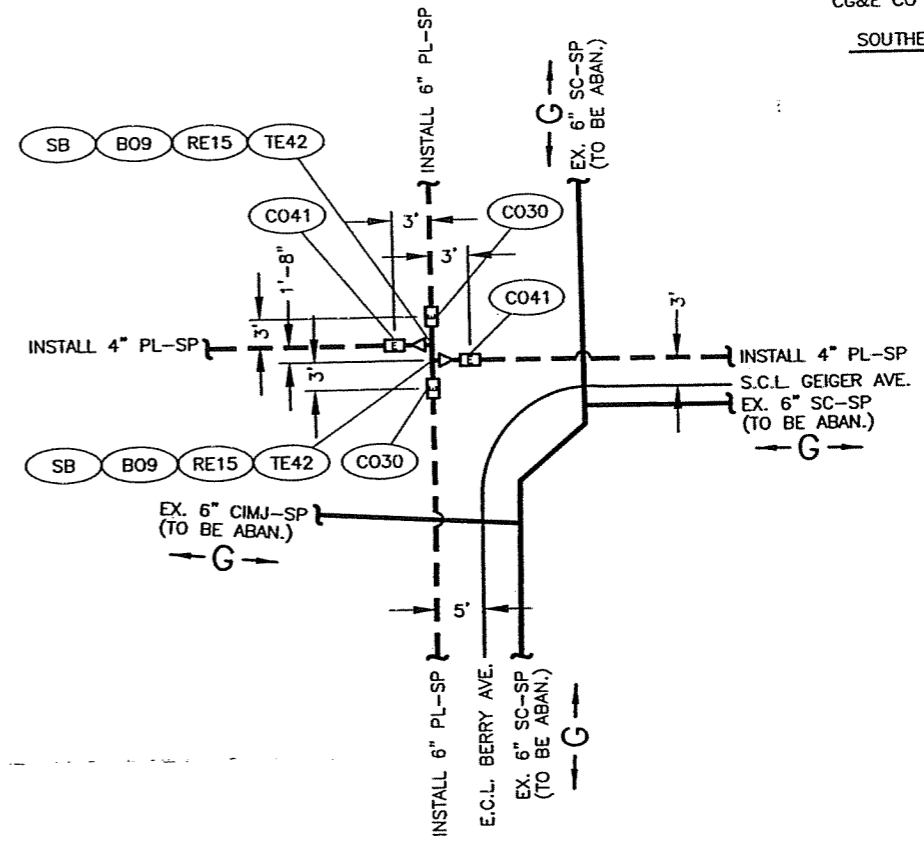
**DETAIL "F"**  
(FROM SHEET 12)  
N.T.S.



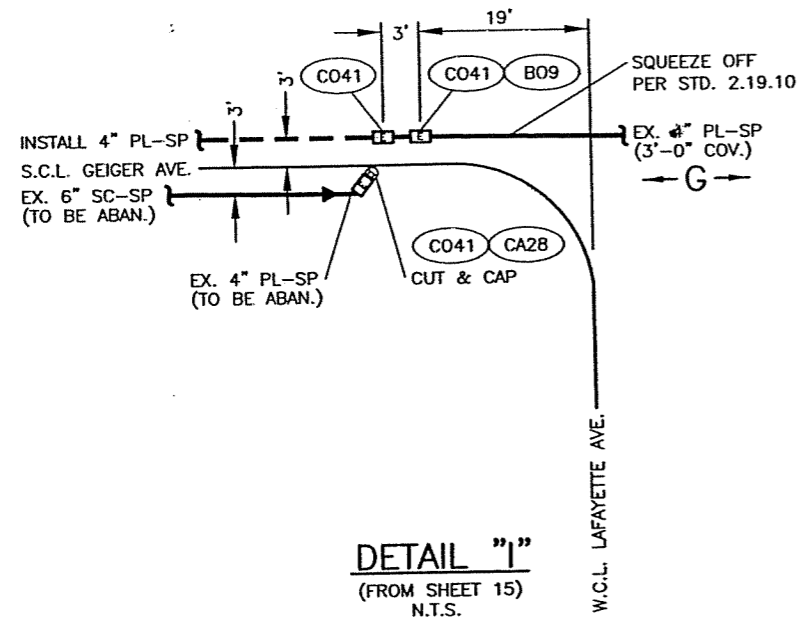
REVISIONS



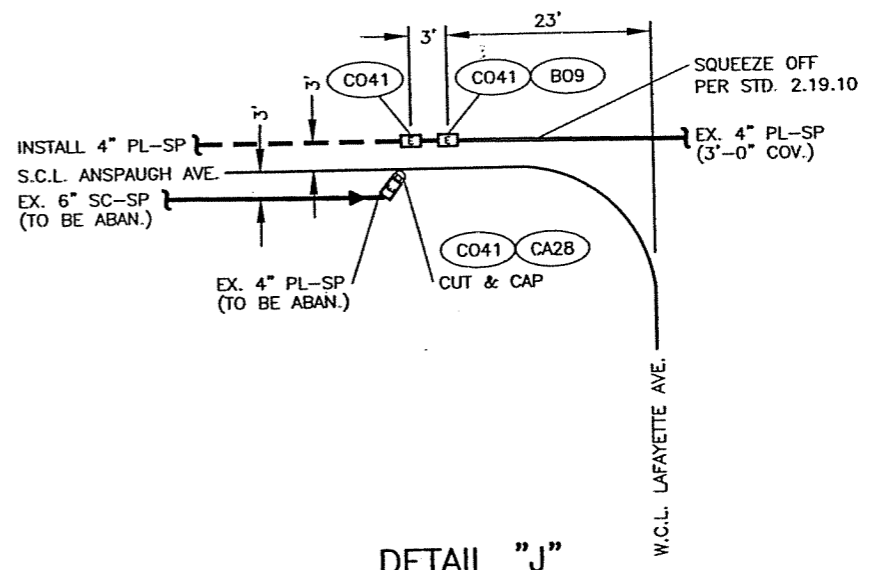
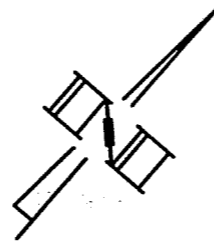
**DETAIL "G"**  
(FROM SHEET 13)  
N.T.S.



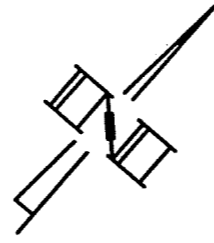
**DETAIL "H"**  
(FROM SHEET 15)  
N.T.S.



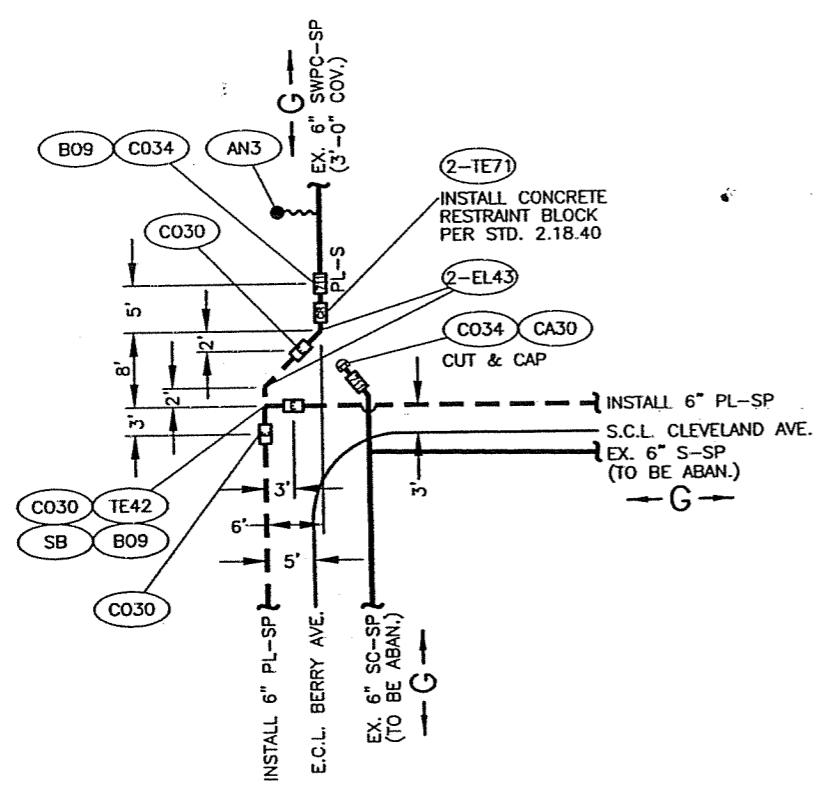
**DETAIL "I"**  
 (FROM SHEET 15)  
 N.T.S.



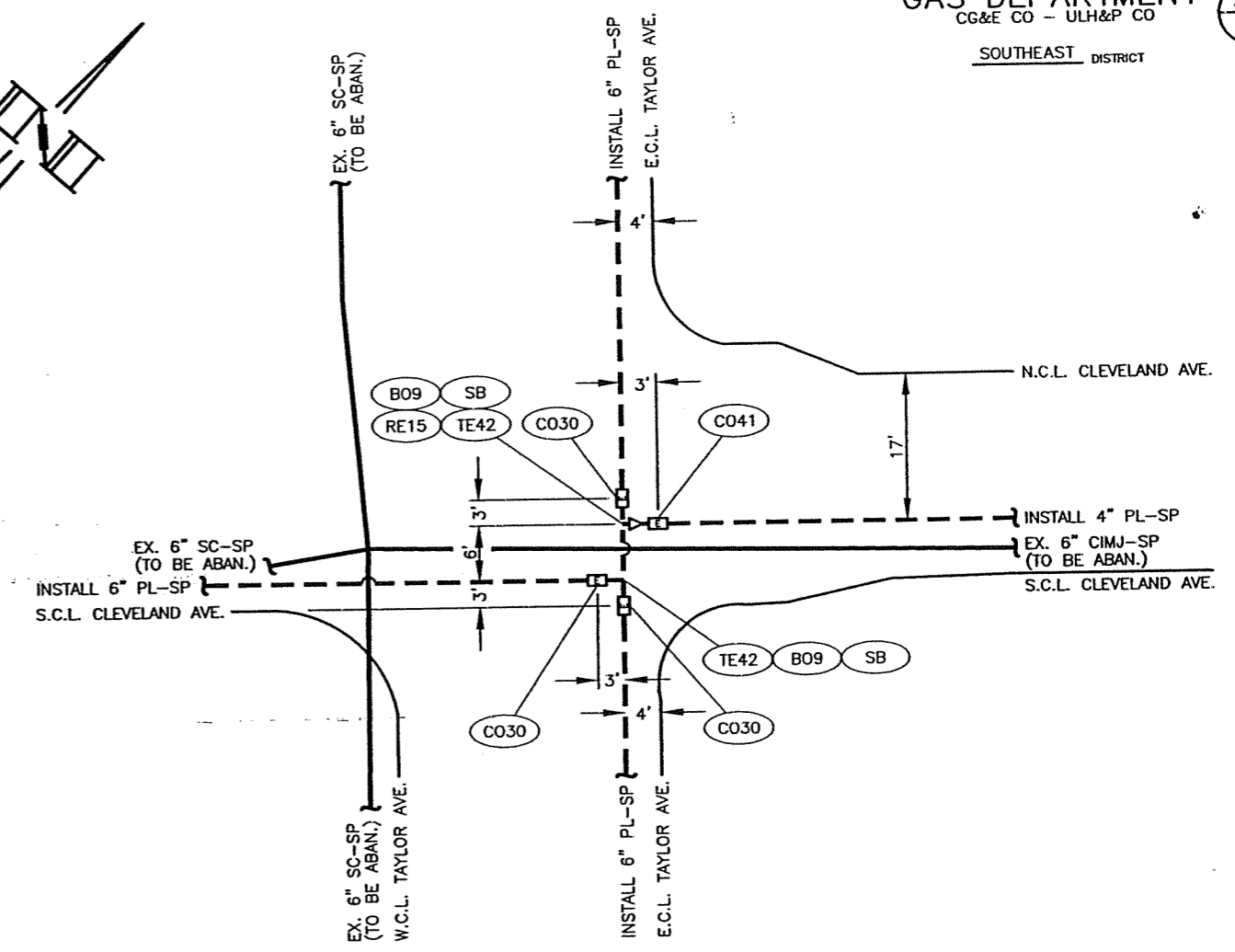
**DETAIL "J"**  
 (FROM SHEET 17)  
 N.T.S.



REVISIONS

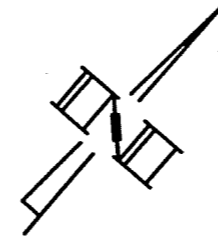
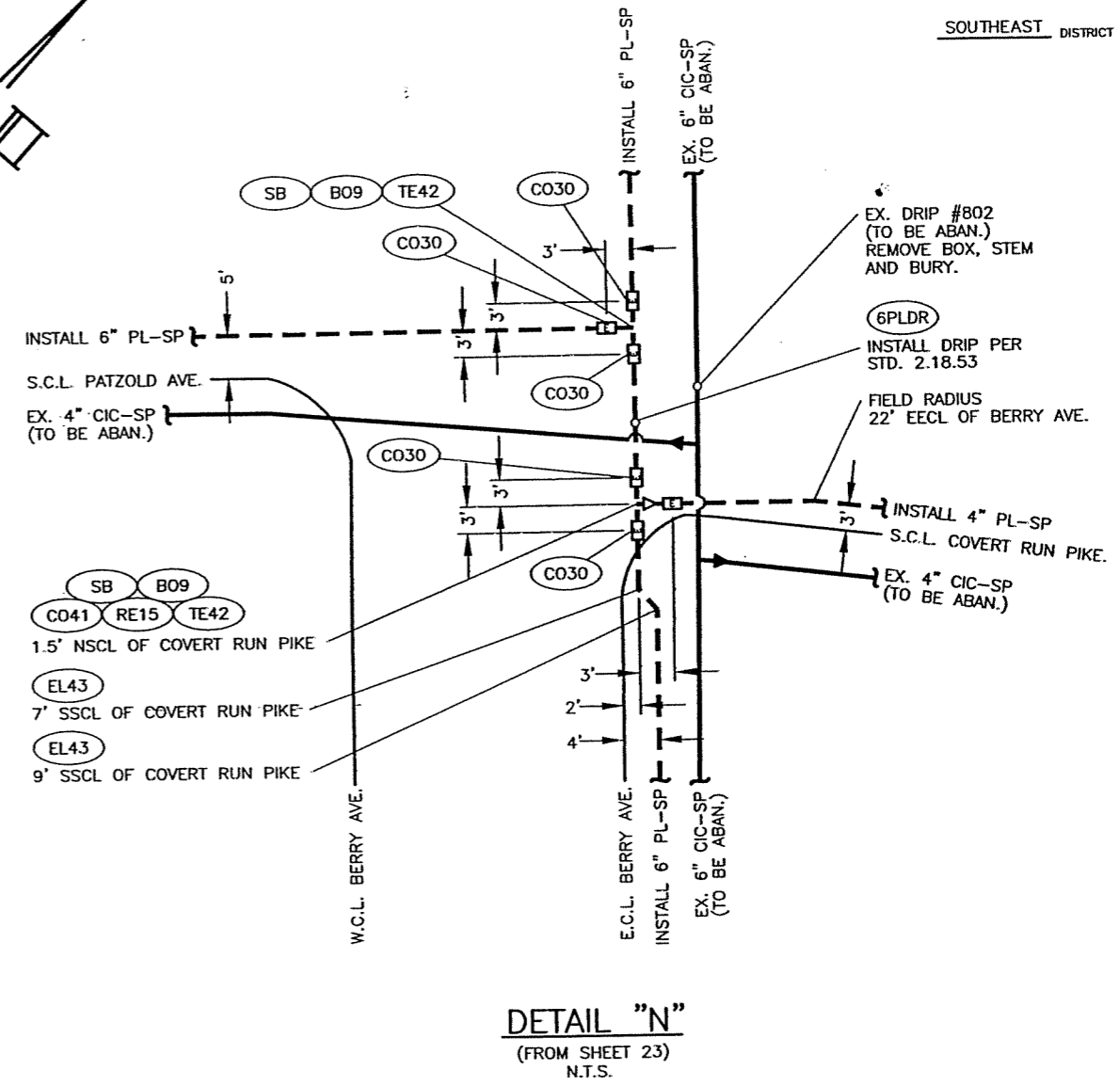
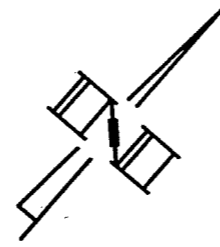
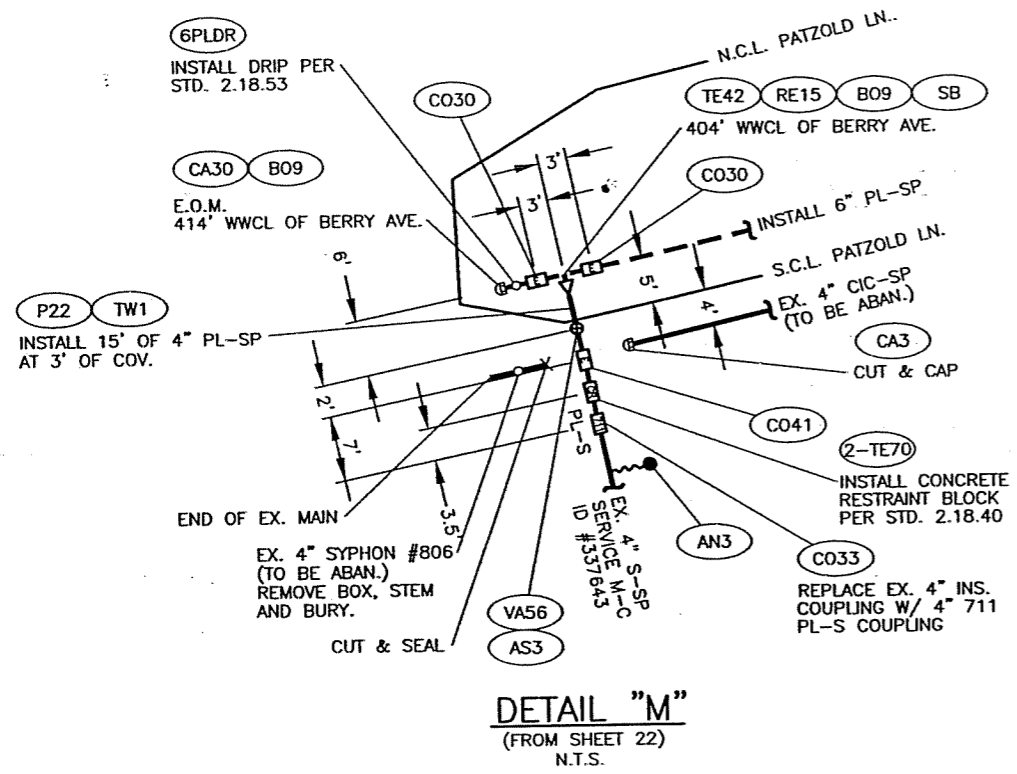


**DETAIL "K"**  
(FROM SHEET 20)  
N.T.S.

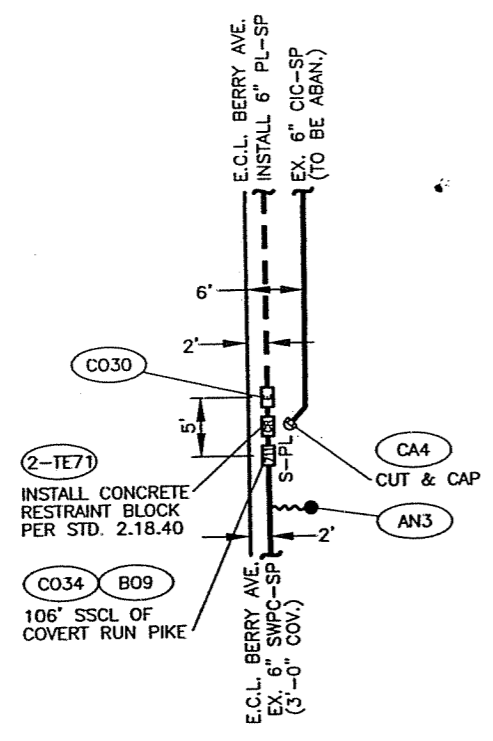


**DETAIL "L"**  
(FROM SHEET 21)  
N.T.S.

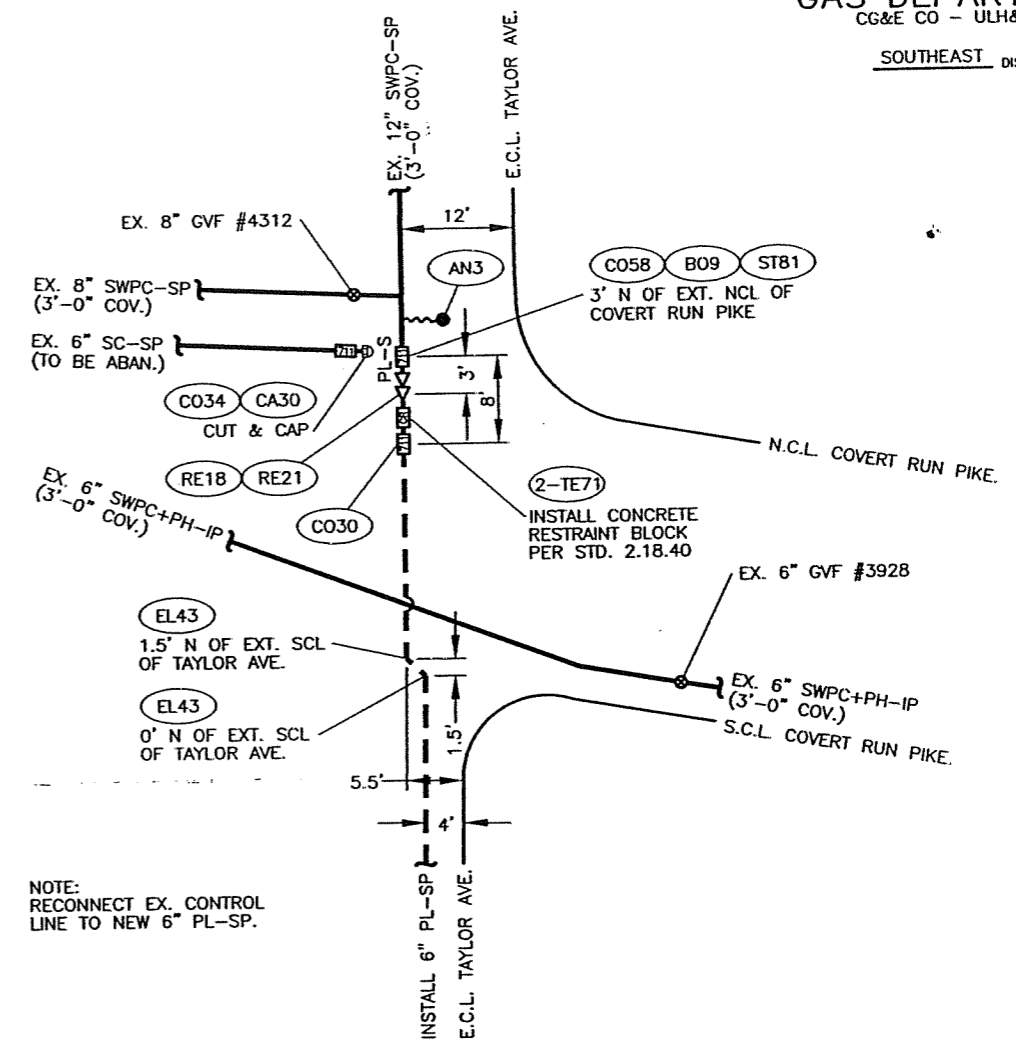
REVISIONS



REVISIONS



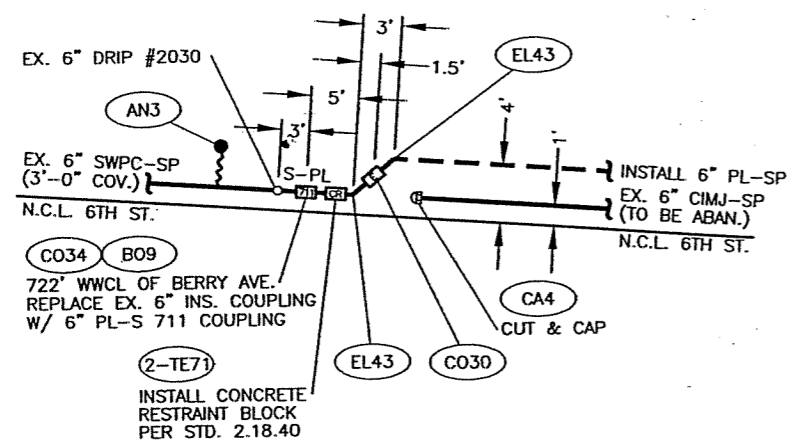
**DETAIL "O"**  
(FROM SHEET 23)  
N.T.S.



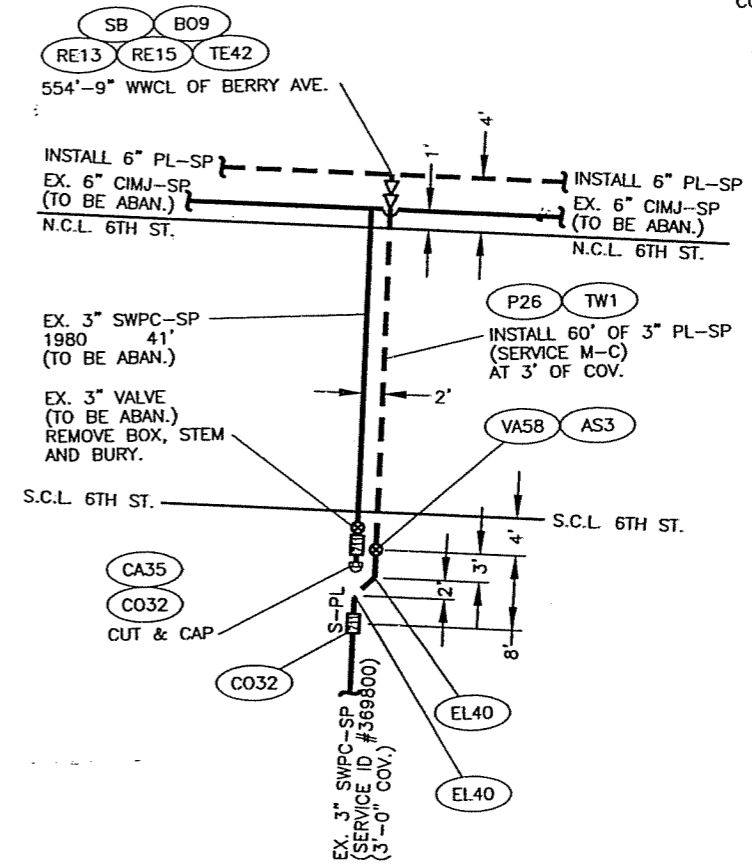
NOTE:  
RECONNECT EX. CONTROL  
LINE TO NEW 6" PL-SP.

**DETAIL "P"**  
(FROM SHEET 24)  
N.T.S.

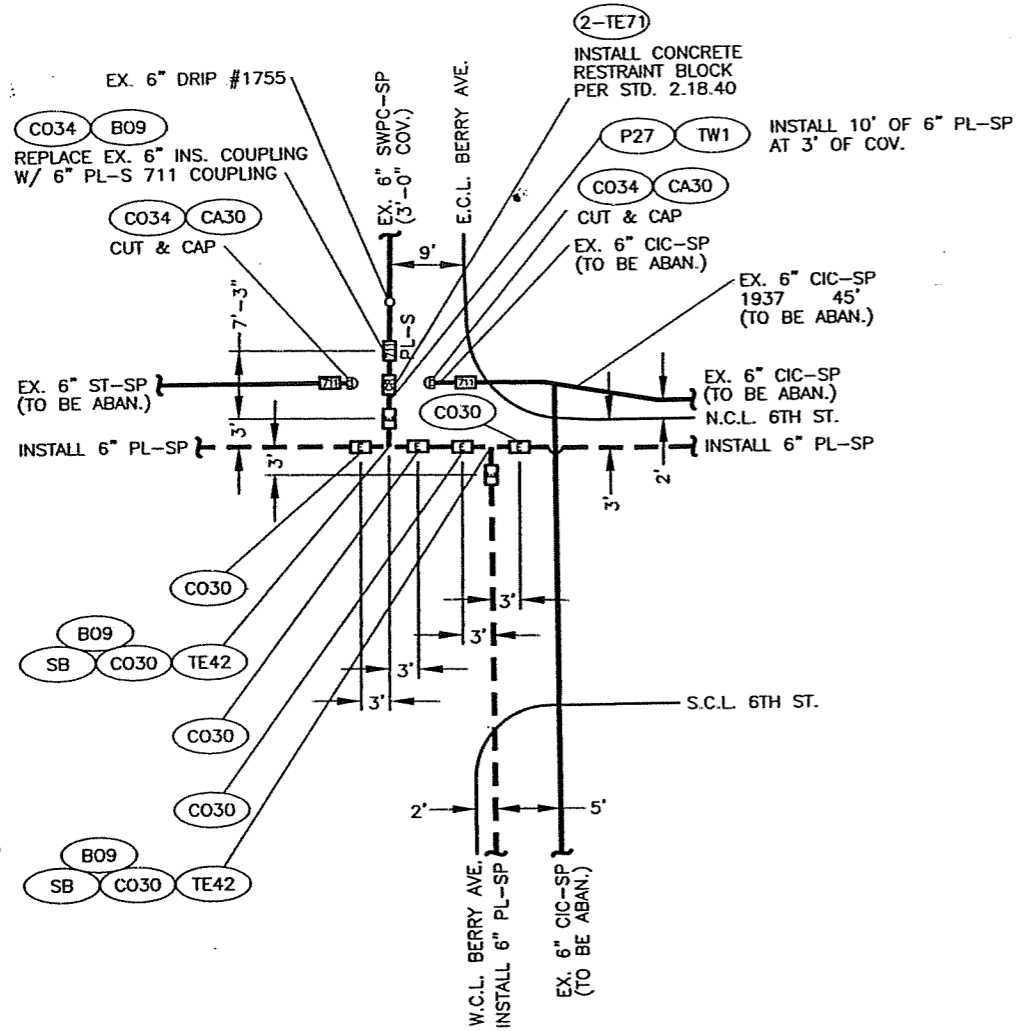
REVISIONS



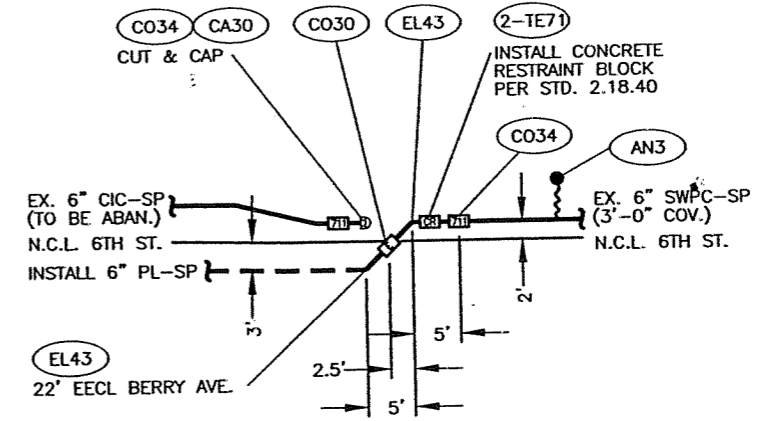
**DETAIL "Q"**  
(FROM SHEET 25)  
N.T.S.



**DETAIL "R"**  
(FROM SHEET 25)  
N.T.S.



DETAIL "S"  
(FROM SHEET 26)  
N.T.S.



DETAIL "T"  
(FROM SHEET 26)  
N.T.S.



RECEIVED

MAR 10 2006

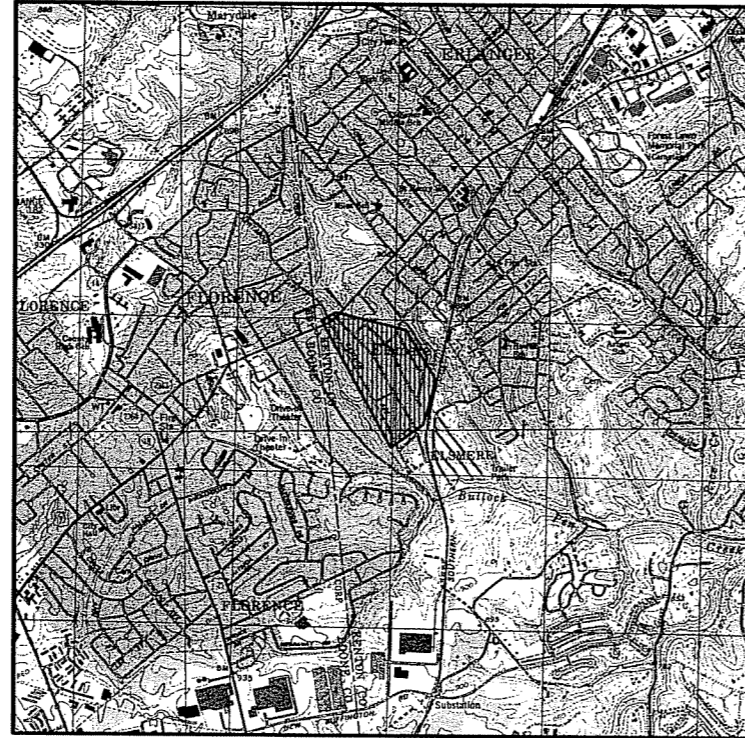
PUBLIC SERVICE COMMISSION

AUTHORIZED November 29, 2005 CONSTRUCTION DRAWING

THE UNION LIGHT HEAT & POWER CO.

ISSUE

1/30



VICINITY MAP N.T.S.

UTILITY LOCATION CONTACTS table with telephone, electric, sewer, storm sewer, water, cable TV, and municipality numbers.

DESIGN REVIEW OF COMPLETED CONSTRUCTION JOB form with sponsor, date, and required checkboxes.

MAIN ABANDONMENT table listing pipe sizes (6", 4", 2"), materials (CIMJ, SCPC, SWPC, CIBS), and lengths.

CONSTRUCTION NOTE: NO DIRECTIONAL DRILLING OF SP MAIN WILL BE ALLOWED UNLESS APPROVED BY THE GAS ENGINEERING SPONSOR

- 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. 7.1.1.1 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.

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

Main construction table with columns for CONTR. NO., PERMIT NO., WORK ORDER, COMMUNITY, PAYING CODE, SIZE OF OPENING, LESS THAN 15' COV., AHEAD OF PAVING, HOUSE OR BLOCK NO., DISTANCE & DIRECTION, STREET NAME, DIST. & DRECT. FROM INTERSECTING STREET, INTERSECTING STREET, SKETCH YES/NO.

REMARKS:

Job information fields: JOB #, CREW LEADER, EMPLOYEE #, DATE COMPLETED, FIELD SUPERVISOR, EMPLOYEE #.

EAP USE ONLY PAVING ENTERED field.

\* SERVICE CUTS ARE TO BE REPORTED ON INDIVIDUAL JOB CONTROL FORMS \*\* PERMIT NUMBER REQUIRED FOR CITY OF CINCINNATI, NORWOOD, HAMILTON COUNTY, AND STATE OF KENTUCKY

ESTIMATED AND ACTUAL UNITS OF WORK table with columns for DESIGN SPECIFICATION, DESCRIPTION, SIZE & KIND, UNITS, EST. QUANTITIES, ACTUAL QUANTITIES.

TEST CONN. PER STANDARD 7.7.1, CORROSION ENGINEERING, ANODE, FIELD PRESSURE TEST, SUPERVISOR BLOCK forms.

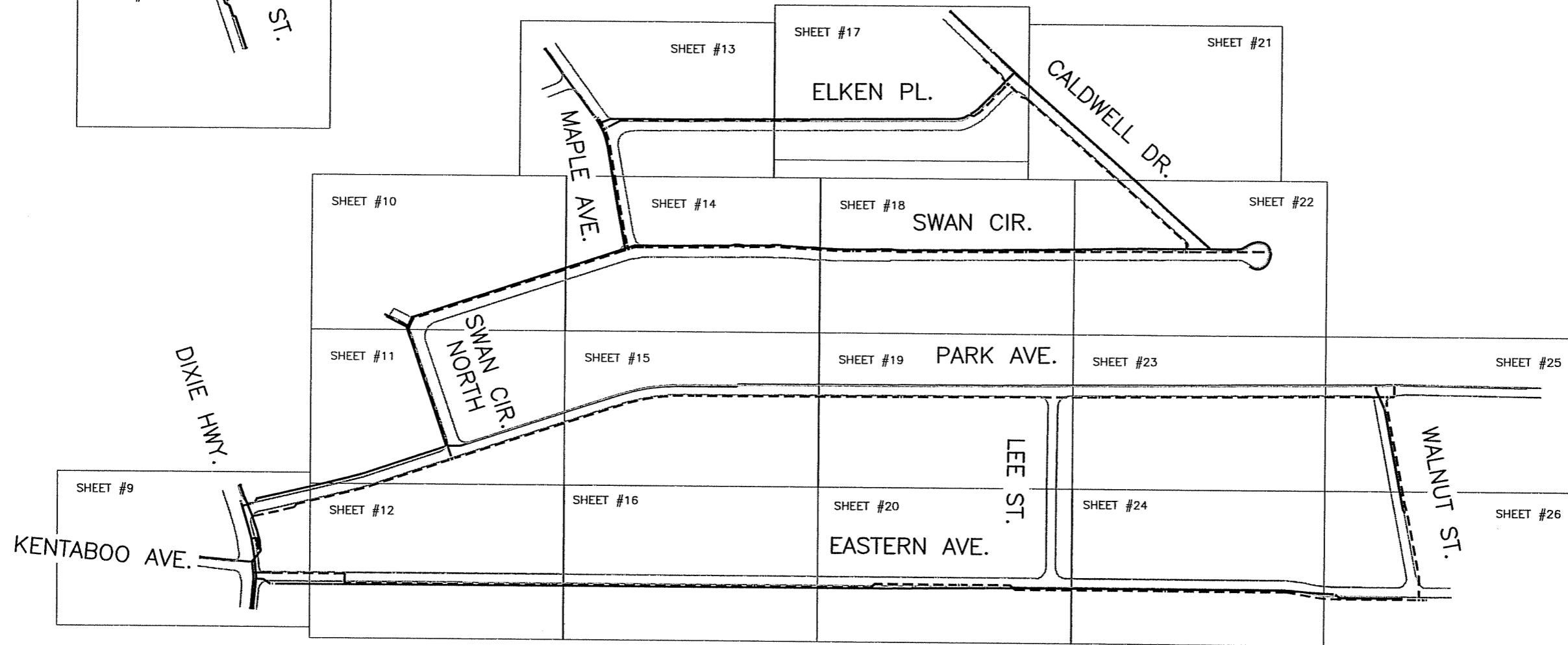
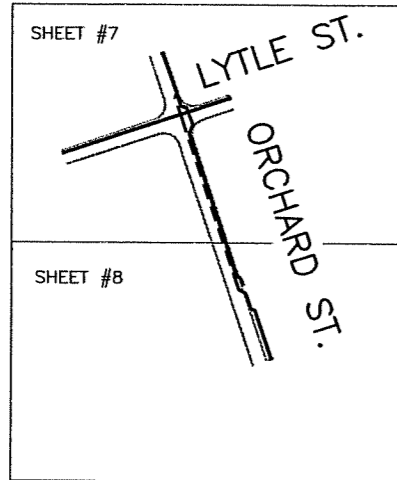
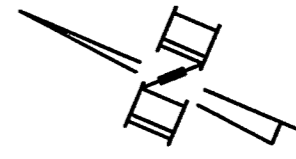
CPCN Filing March, 2006 Module 352

MAIN INSTALLATION table with W.O.#, SERVICE M-C INSTALLATION, SERVICE C-M INSTALLATION, ABANDONMENT, METER RELOCATION.

PERMITS REQUIRED: CITIES OF ERLANGER & ELSMERE, KDOT PASSPORT #601605 GAS DEPT. MOD 352 MAIN REPLACEMENT ERLANGER & ELSMERE, KENTON, CO., KY

REVISIONS





REVISIONS

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SDWK, DWAY, PAV, SOD, OUT, COMMENTS. Contains gas main replacement service check list data.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SDWK, DWAY, PAV, SOD, OUT, COMMENTS. Contains gas main replacement service check list data.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SDWK, DWAY, PAV, SOD, OUT, COMMENTS. Contains gas main replacement service check list data.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SDWK, DWAY, PAV, SOD, OUT, COMMENTS. Contains gas main replacement service check list data.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SDWK, DWAY, PAV, SOD, OUT, COMMENTS. Contains gas main replacement service check list data.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SDWK, DWAY, PAV, SOD, OUT, COMMENTS. Contains gas main replacement service check list data.

REVISIONS



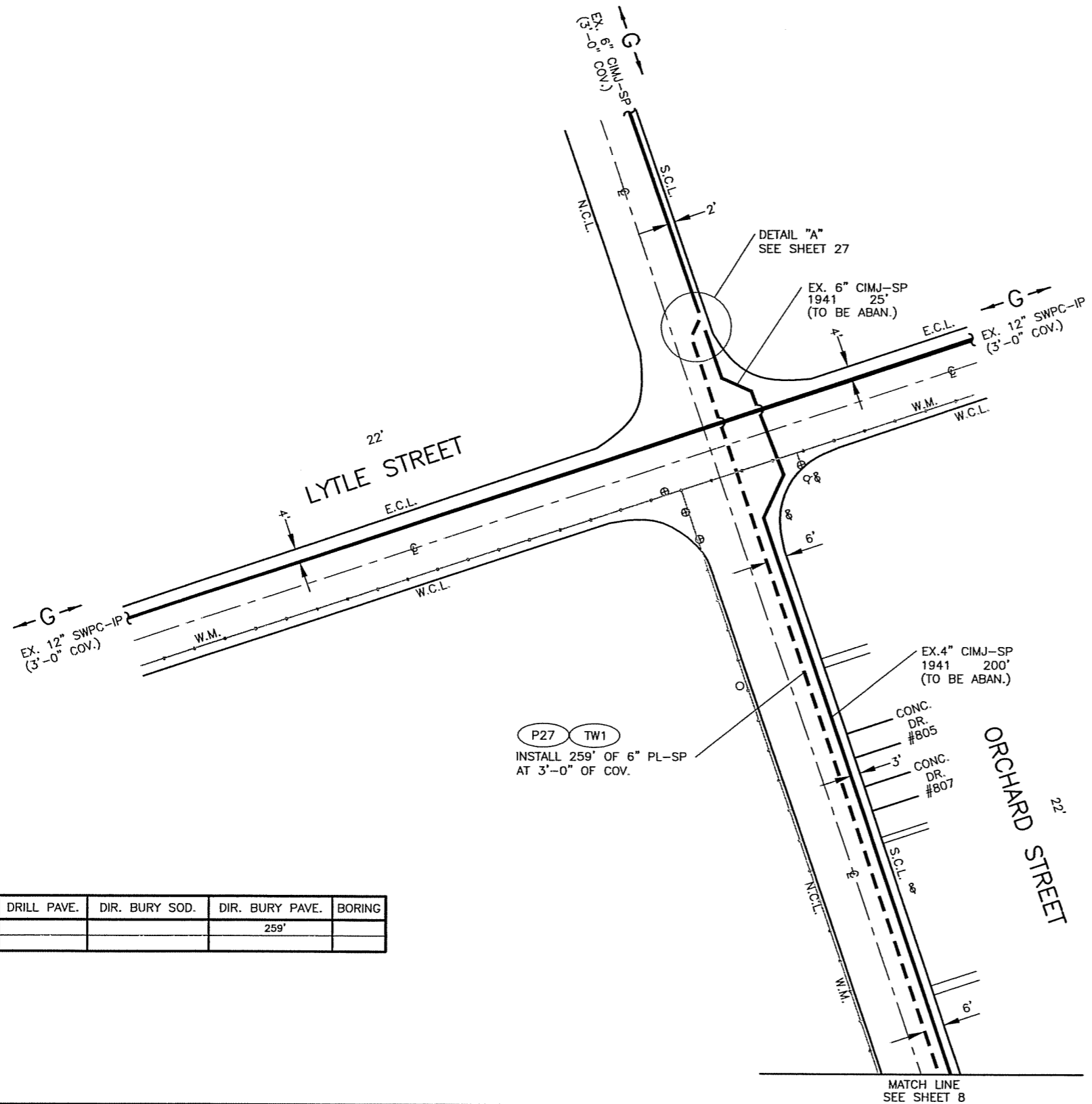
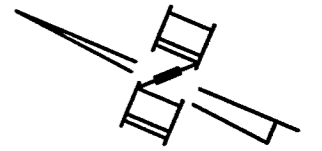
MAIN MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST.	ACTUAL
4PLVA	4" PLASTIC VALVE ASSEMBLY		1	
AN3	17# GALVOMAG	0050056182	5	
AS3	RECT. VALVE BOX ASSEMBLY	0050057269	2	
B10	TRACER WIRE BOX	0050057326	10	
B12	5/8" x 3 1/4" MACHINE BOLTS W/NUTS	0050057277	16	
CA3	4" M.J. CAP	0050057329	1	
B09	ROUND VALVE BOX	0050057322	16	
B09	ROUND VALVE BOX LID	0050057324	16	
CA32	2" IPS PURGE POINT FITTING	0050057593	5	
CO24	6" S X 4" PL REDUCING COUPLING	0050057498	2	
CO29	6" CI-PL COUPLING W/ STIFFENER	0050088412	1	
CO30	6" ELECTROFUSION COUPLING	0050091357	2	
CO333	4" COUPLING #711 S-PL WITH STIFFENER	0050057434	2	
CO39	2" ELECTROFUSION COUPLING	0050057409	20	
CO41	4" ELECTROFUSION COUPLING	0050057407	26	
EL38	4" - 45 DEG. IPS BUTT FUSION ELL	0050057554	8	
EL39	4" - 90 DEG. IPS BUTT FUSION ELL	0050057555	4	
EL43	6" - 45 DEG. IPS BUTT FUSION ELL	0050088405	4	
F5	4" WELD SHORTSTOPP FITTING	0050057583	3	
FL13	4" 150# SLIP ON FLANGE	0050057649	1	
GA3	4" 150# GASKET	0050057689	2	
P19	2" PLASTIC PIPE - 500' .216 SDR 11	0050056008	4,576'	
P22	4" IPS PLASTIC PIPE - 40' .395 SDR 11.5	0050056058	5,891'	
P27	6" IPS PLASTIC PIPE - 40' .491 SDR 13.5	0050088398	356'	
P3	4" SWPC PIPE .188 API 5L - GRADE X-42	0050105451	43'	
RE11	4" IPS x 2" IPS BUTT FUSION REDUCER	0050057758	7	
SB	TRACER WIRE SPLIT BOLT	0000933615	8	
ST7	6" STIFFENER	0050088413	1	
STEMPL	PRESSURE STEM ASSEMBLY-PLASTIC		1	
STEMST	PRESSURE STEM ASSEMBLY-STEEL		1	
TE38	2" IPS BUTT FUSION TEE	0050057865	2	
TE39	4" IPS BUTT FUSION TEE	0050057867	6	
TE68	2" x 1" ELECTROFUSION TEE	0000903925	4	
TE70	4" x 1" ELECTROFUSION TEE	0000903923	6	
TE71	6" x 1" ELECTROFUSION TEE	0000903927	4	
TF8	4" PL-S FLANGED TRANSITION FITTING	0050092949	1	
TH17	12" X 3/4" THREDOLET	0050057193	1	
TW1	TRACER WIRE	0050079028	10,823'	
VAS1	4" KERO VALVE #1F2WL W x F .237 WALL 275#	0050057964	2	
WE7	12" X 4" REDUCING BUTT WELDOLET	0050058149	2	
WR2	4" HEAT SHRINKABLE WRAP	0050057843	1	

RETIREMENT MATERIAL LIST

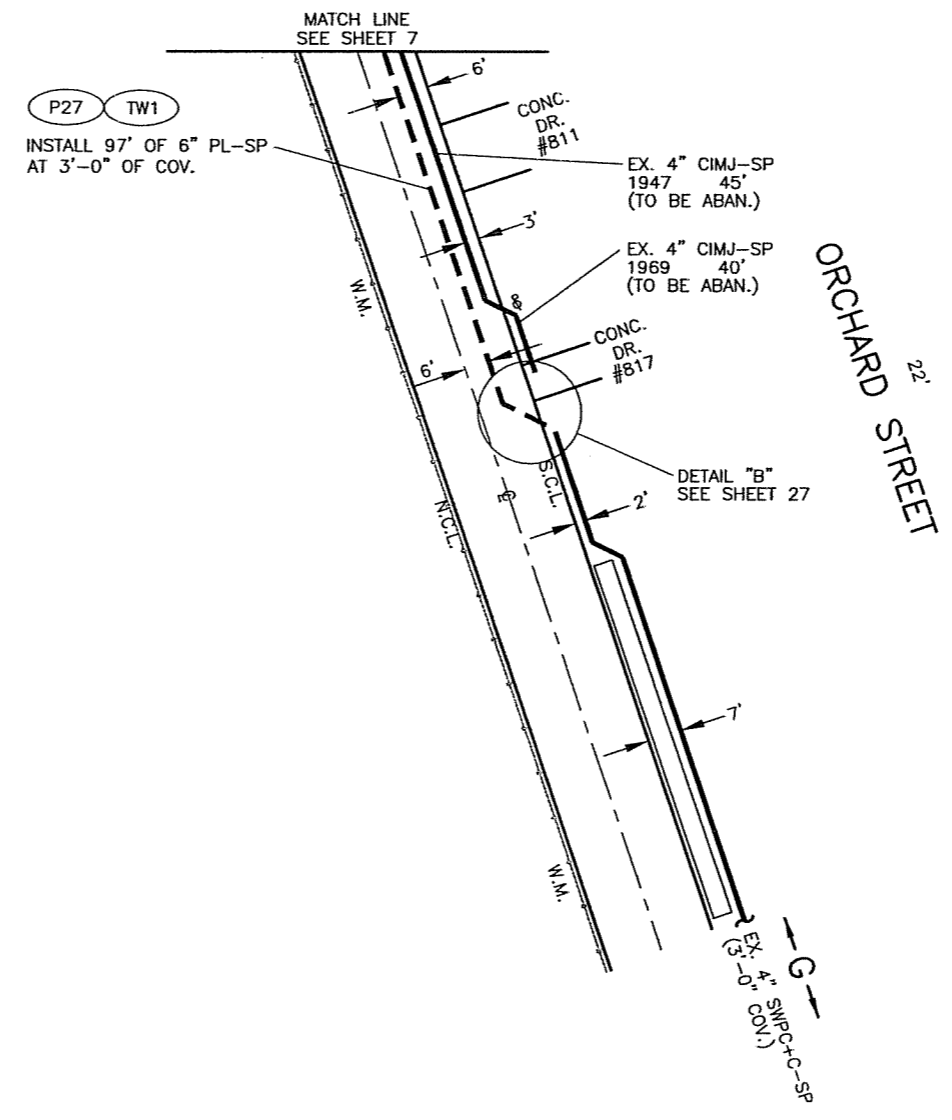
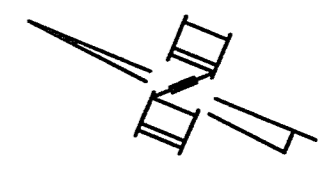
ITEM	DESCRIPTION	STOCK NO.	EST.	ACTUAL
CA28	4" IPS BUTT FUSION CAP	0050057347	2	
CA3	4" M.J. CAP	0050057329	7	
CA30	6" IPS BUTT FUSION CAP	0050088404	2	
CO333	4" COUPLING #711 S-PL WITH STIFFENER	0050057434	2	
CO34	6" COUPLING #711 S-PL WITH STIFFENER	0050057436	2	

REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				259'	

REVISIONS

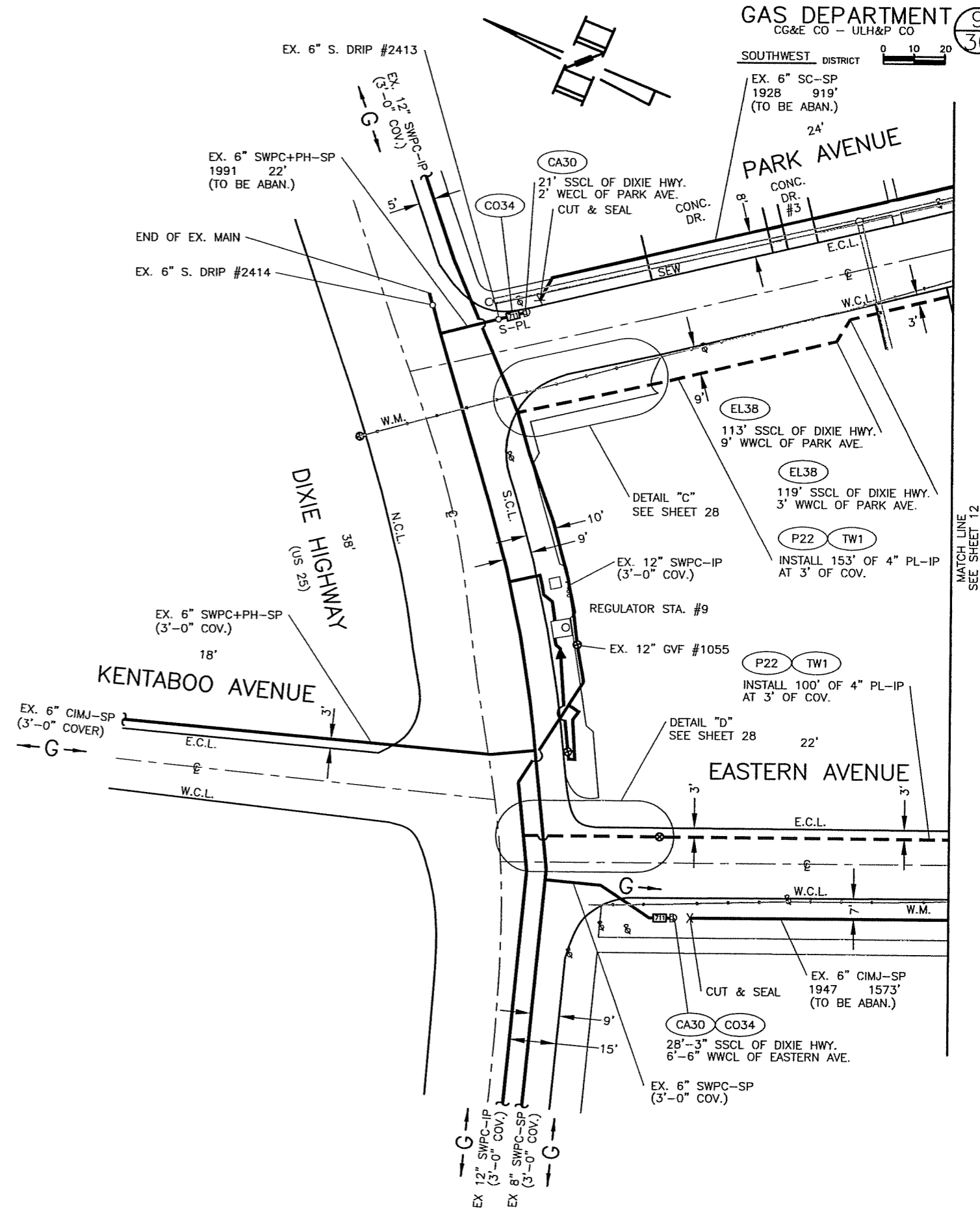


ORCHARD STREET  
22'

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				97'	

REVISIONS



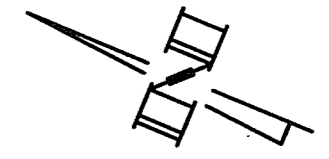


MATCH LINE  
SEE SHEET 12

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"		153'		100'	
4"S				43'	

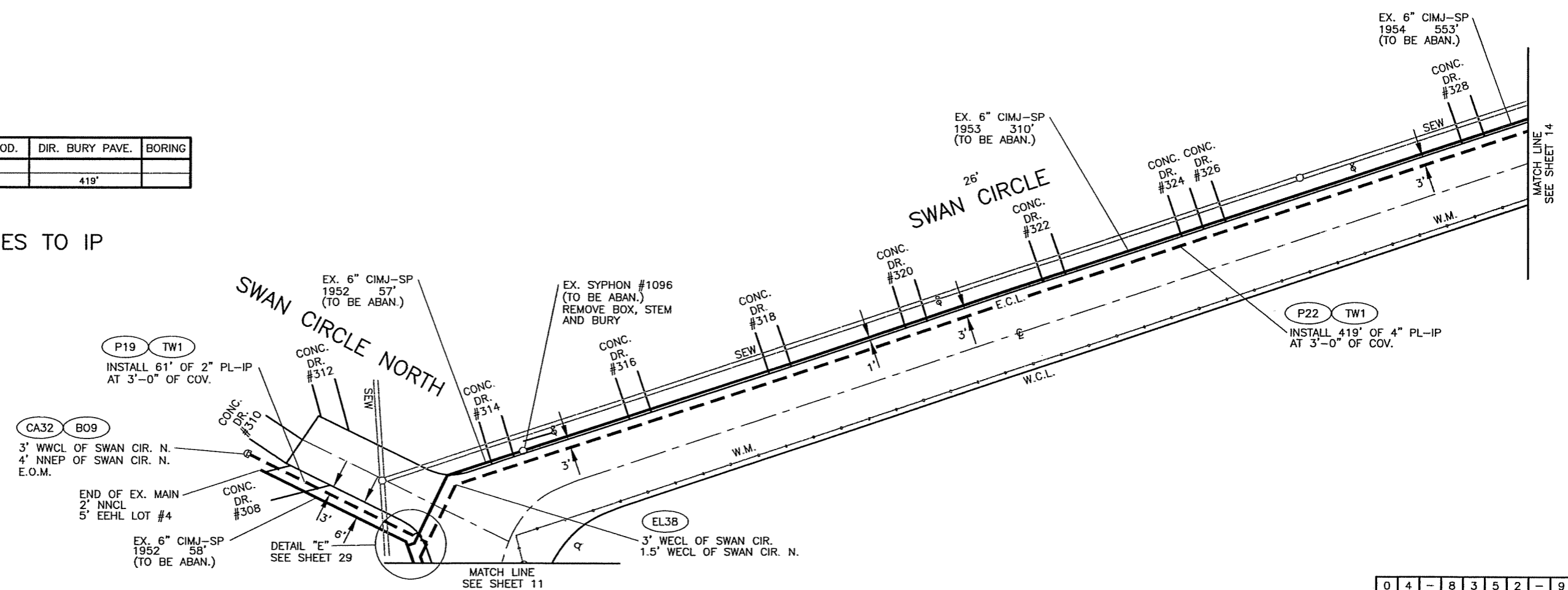
NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS

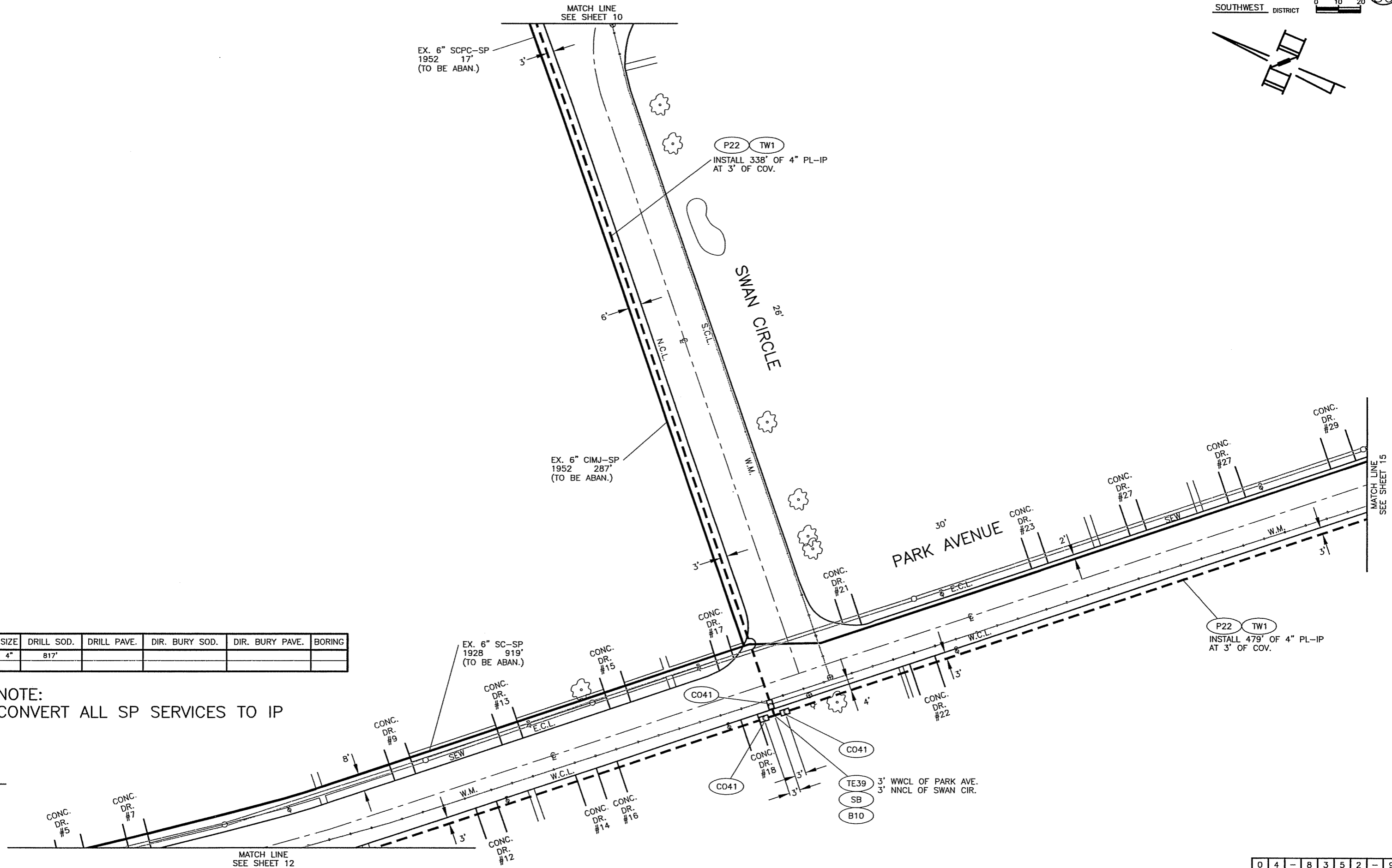
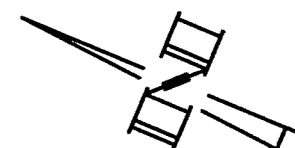
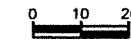


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	61'				
4"				419'	

NOTE:  
CONVERT ALL SP SERVICES TO IP



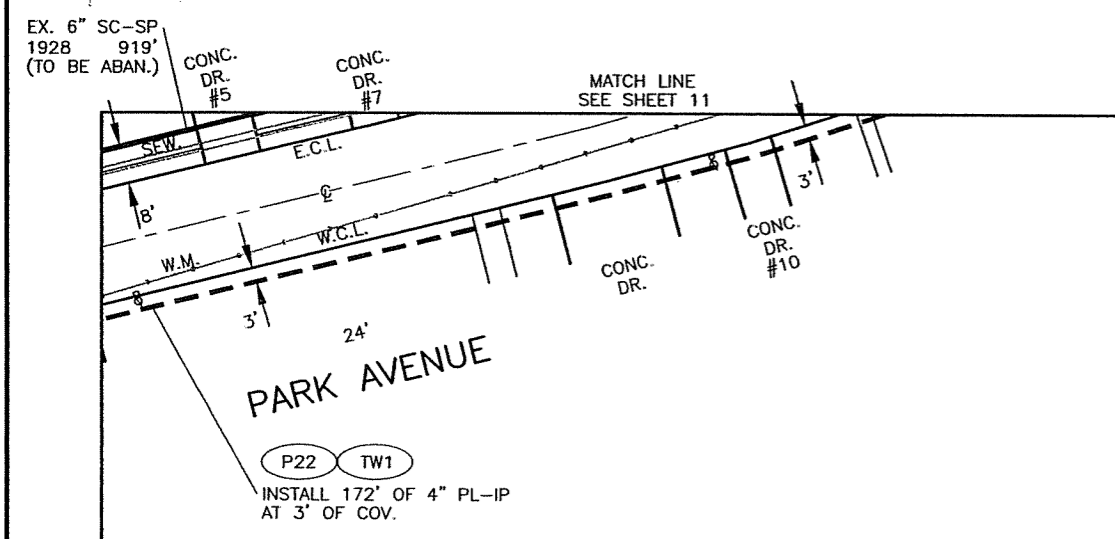
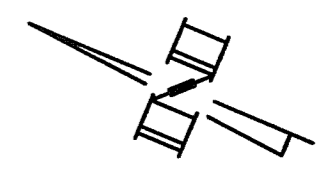
REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"	817'				

NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS



PARK AVENUE

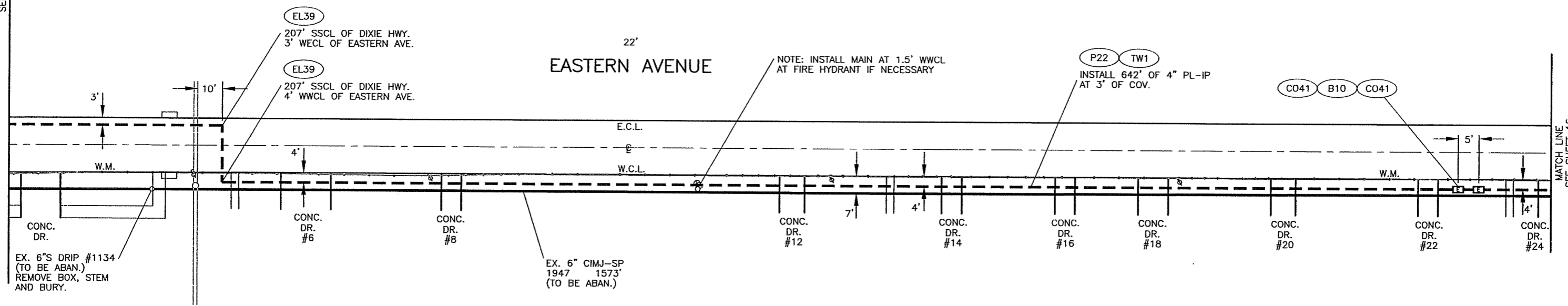
P22 TW1  
INSTALL 172' OF 4" PL-IP  
AT 3' OF COV.

22'  
EASTERN AVENUE

NOTE: INSTALL MAIN AT 1.5' WWCL  
AT FIRE HYDRANT IF NECESSARY

P22 TW1  
INSTALL 642' OF 4" PL-IP  
AT 3' OF COV.

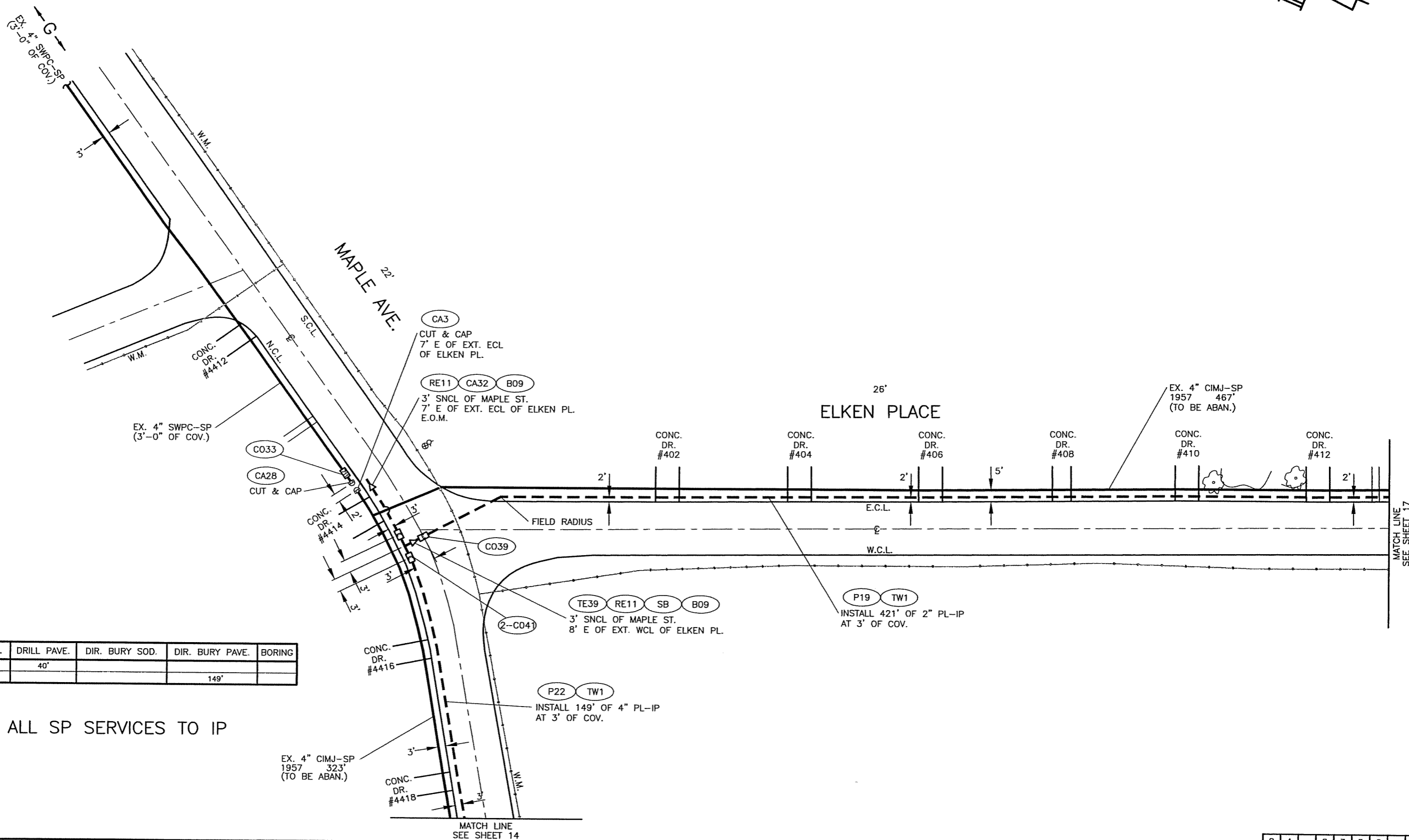
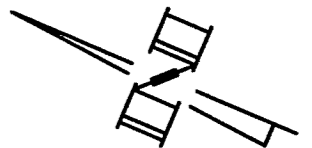
CO41 B10 CO41



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"	709'			105'	

NOTE:  
CONVERT ALL SP SERVICES TO IP

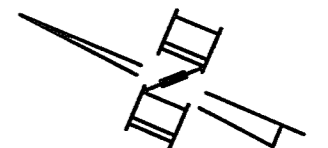
REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	381'	40'			
4"				149'	

NOTE:  
 CONVERT ALL SP SERVICES TO IP

REVISIONS



MATCH LINE  
SEE SHEET 13

3'-  
3'-  
P22 TW1  
INSTALL 183' OF 4" PL-IP  
AT 3' OF COV.  
EX. 4" CIMJ-SP  
1957 323'  
(TO BE ABAN.)  
CONC.  
DR.  
#334

MAPLE AVE.  
22'

FIELD RADIUS

26'  
SWAN CIRCLE

EX. 6" S DRIP #1483  
(TO BE ABAN.)  
REMOVE BOX, STEM  
AND BURY.

EX. 6" CIMJ-SP  
1955 544'  
(TO BE ABAN.)  
CONC.  
DR.  
#416

EX. 6" CIMJ-SP  
1954 553'  
(TO BE ABAN.)  
CONC.  
DR.  
#350

CONC.  
DR.  
#332

CONC.  
DR.  
#404

CONC.  
DR.  
#406

CONC.  
DR.  
#408

CONC.  
DR.  
#410

CONC.  
DR.  
#412

CONC.  
DR.  
#414

MATCH LINE  
SEE SHEET TO

MATCH LINE  
SEE SHEET 18

P22 TW1  
INSTALL 200' OF 4" PL-IP  
AT 3' OF COV.

RE11  
3' WECL OF SWAN CIR.  
20' SSCL OF MAPLE AVE.

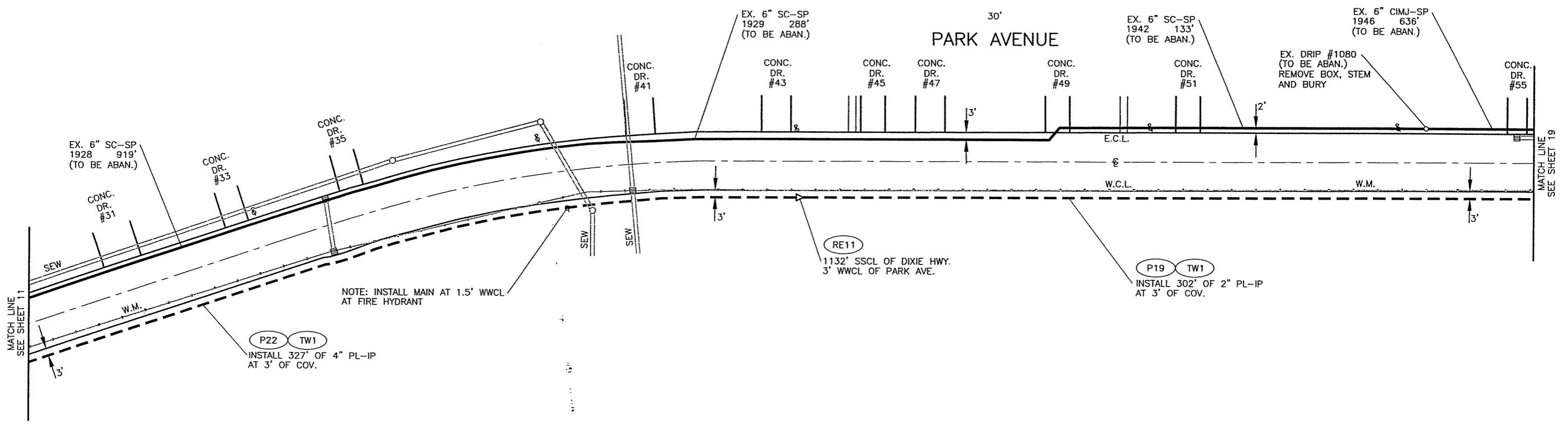
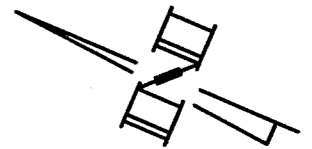
TE39 SB B09  
3' EWCL OF SWAN CIR.  
3' SNCL OF MAPLE AVE.

P19 TW1  
INSTALL 428' OF 2" PL-IP  
AT 3' OF COV.

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"		428'			
4"				383'	

NOTE:  
CONVERT ALL SP SERVICES TO IP

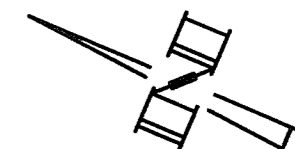
REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	302'				
4"	327'				

NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS

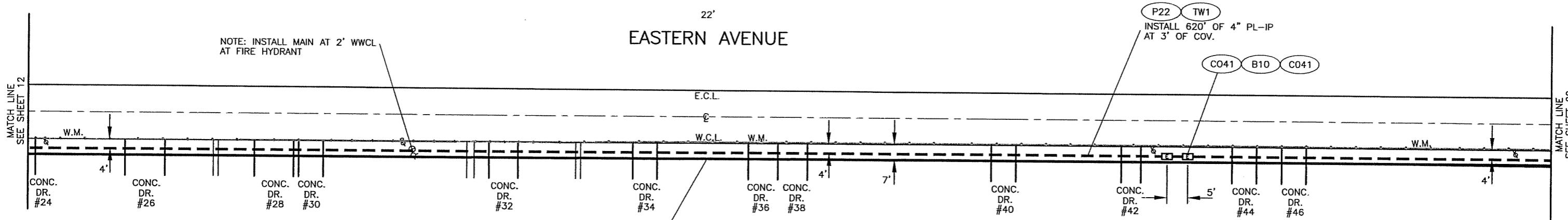


22'  
EASTERN AVENUE

NOTE: INSTALL MAIN AT 2' WWCL  
AT FIRE HYDRANT

P22 TW1  
INSTALL 620' OF 4" PL-IP  
AT 3' OF COV.

C041 B10 C041



EX. 6" CIMJ-SP  
1947 1573'  
(TO BE ABAN.)

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"	620'				

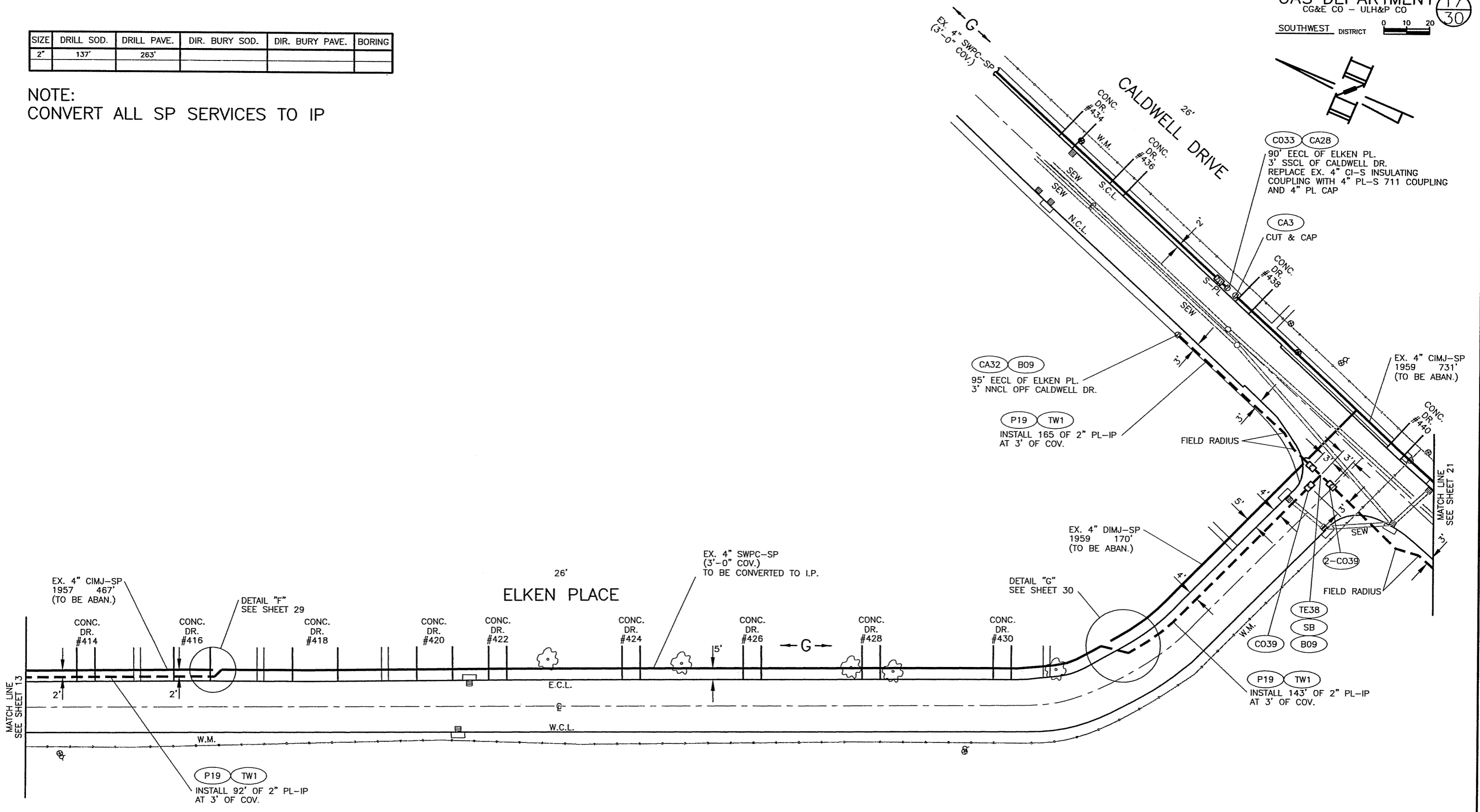
NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS

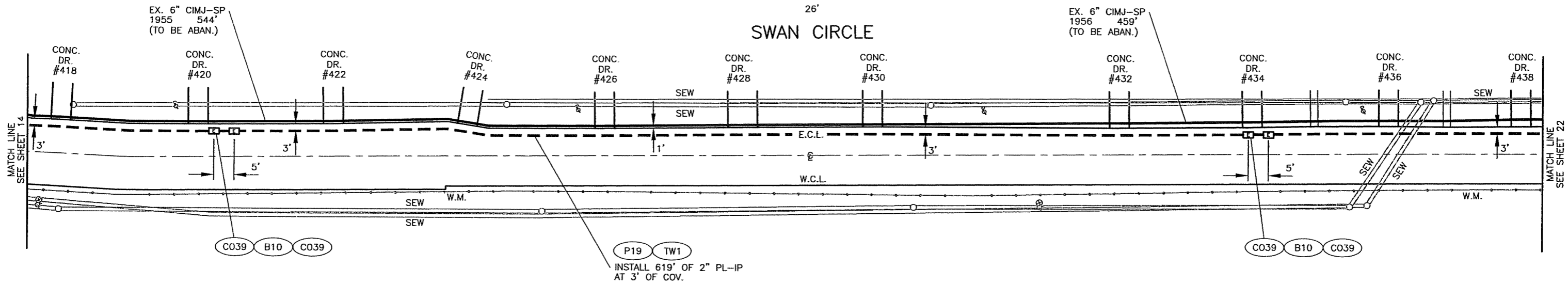
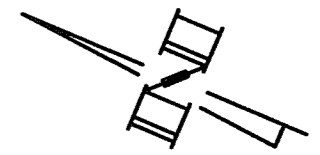


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	137'	263'			

NOTE:  
CONVERT ALL SP SERVICES TO IP



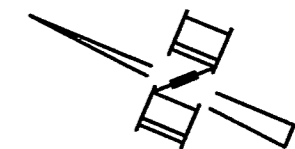
REVISIONS



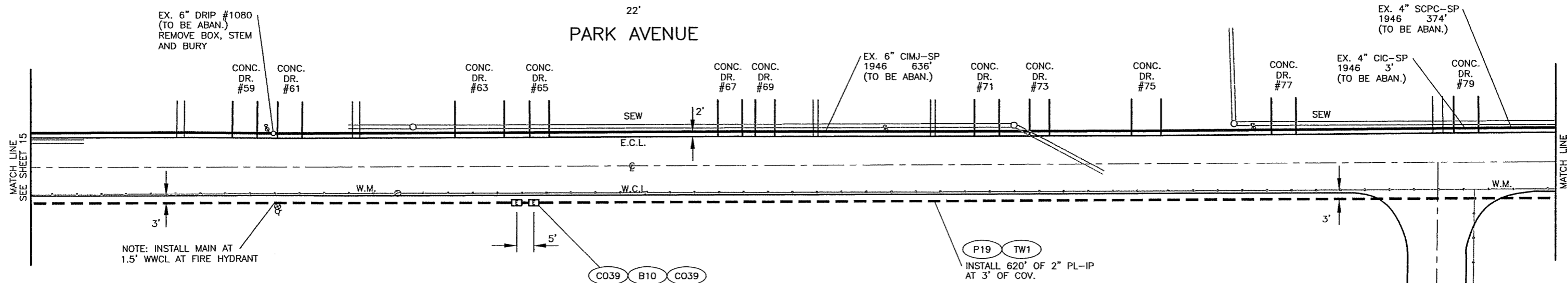
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"		619'			

NOTE:  
 CONVERT ALL SP SERVICES TO IP

REVISIONS



22'  
PARK AVENUE



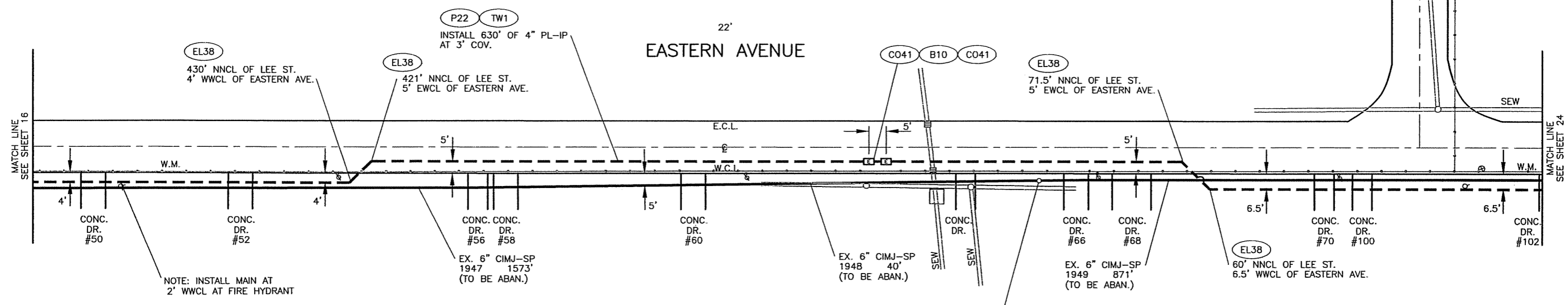
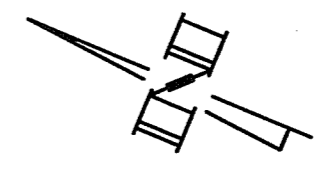
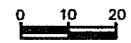
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	620'				

NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS

MATCH LINE  
SEE SHEET 19

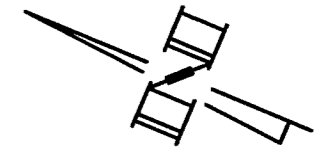
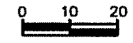
SOUTHWEST DISTRICT



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"	290'			340'	

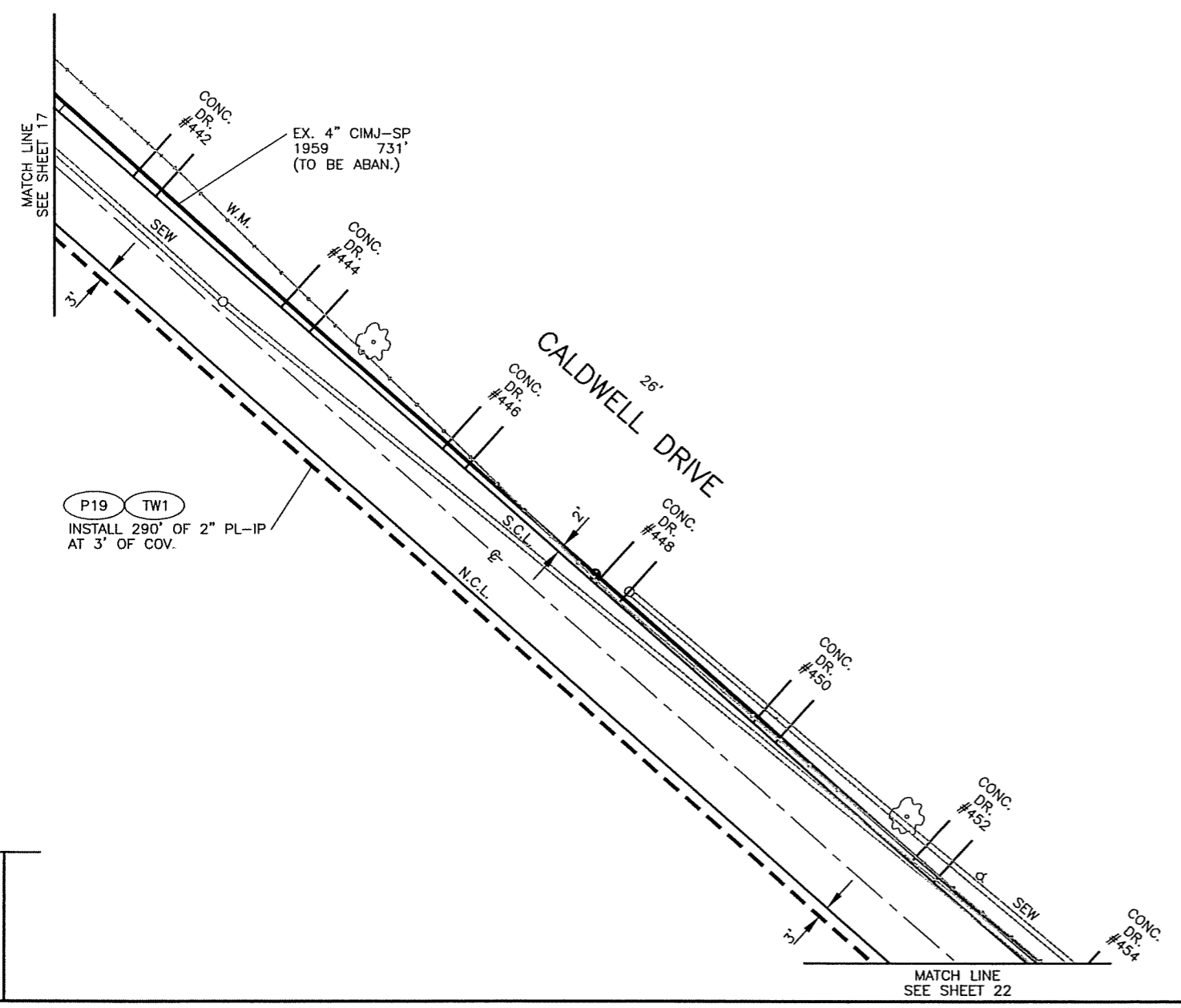
NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS

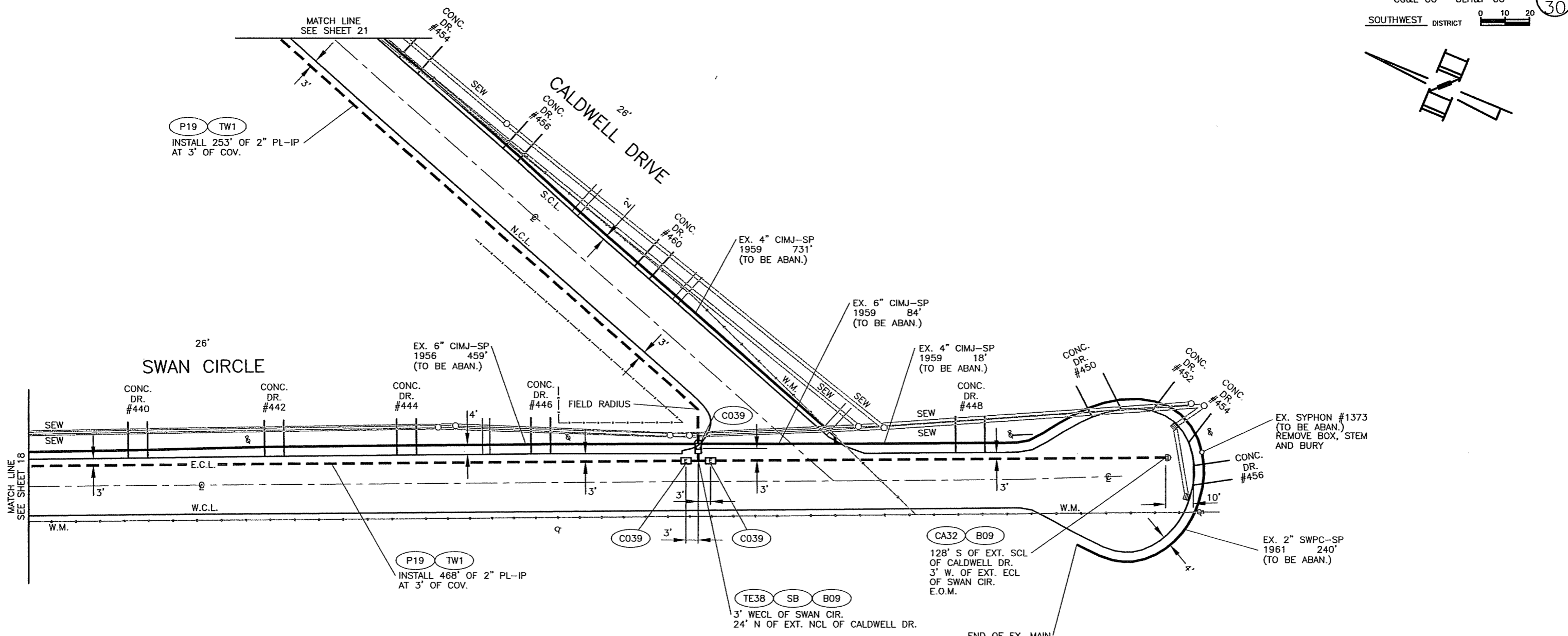
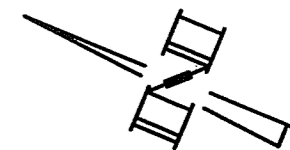


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	290'				

NOTE:  
 CONVERT ALL SP SERVICES TO IP



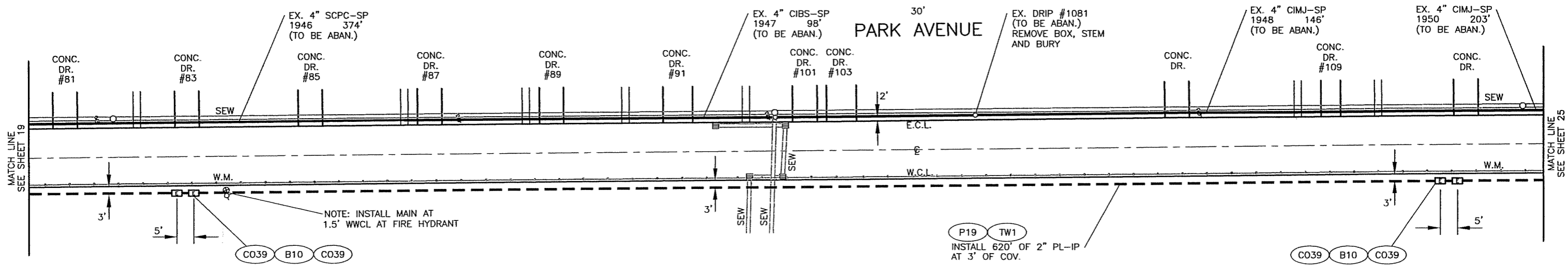
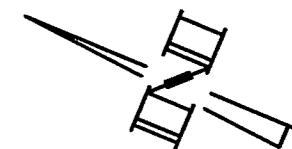
REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	253'	458'			

NOTE:  
CONVERT ALL SP SERVICES TO IP

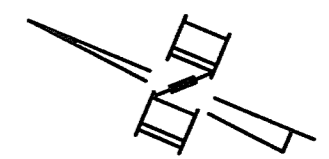
REVISIONS



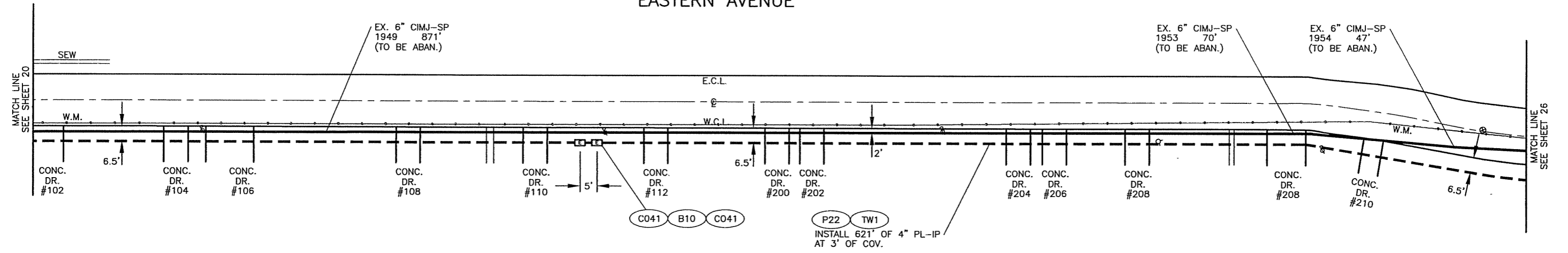
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	620'				

NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS



22'  
 EASTERN AVENUE

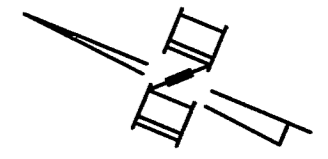


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"	621'				

NOTE:  
 CONVERT ALL SP SERVICES TO IP

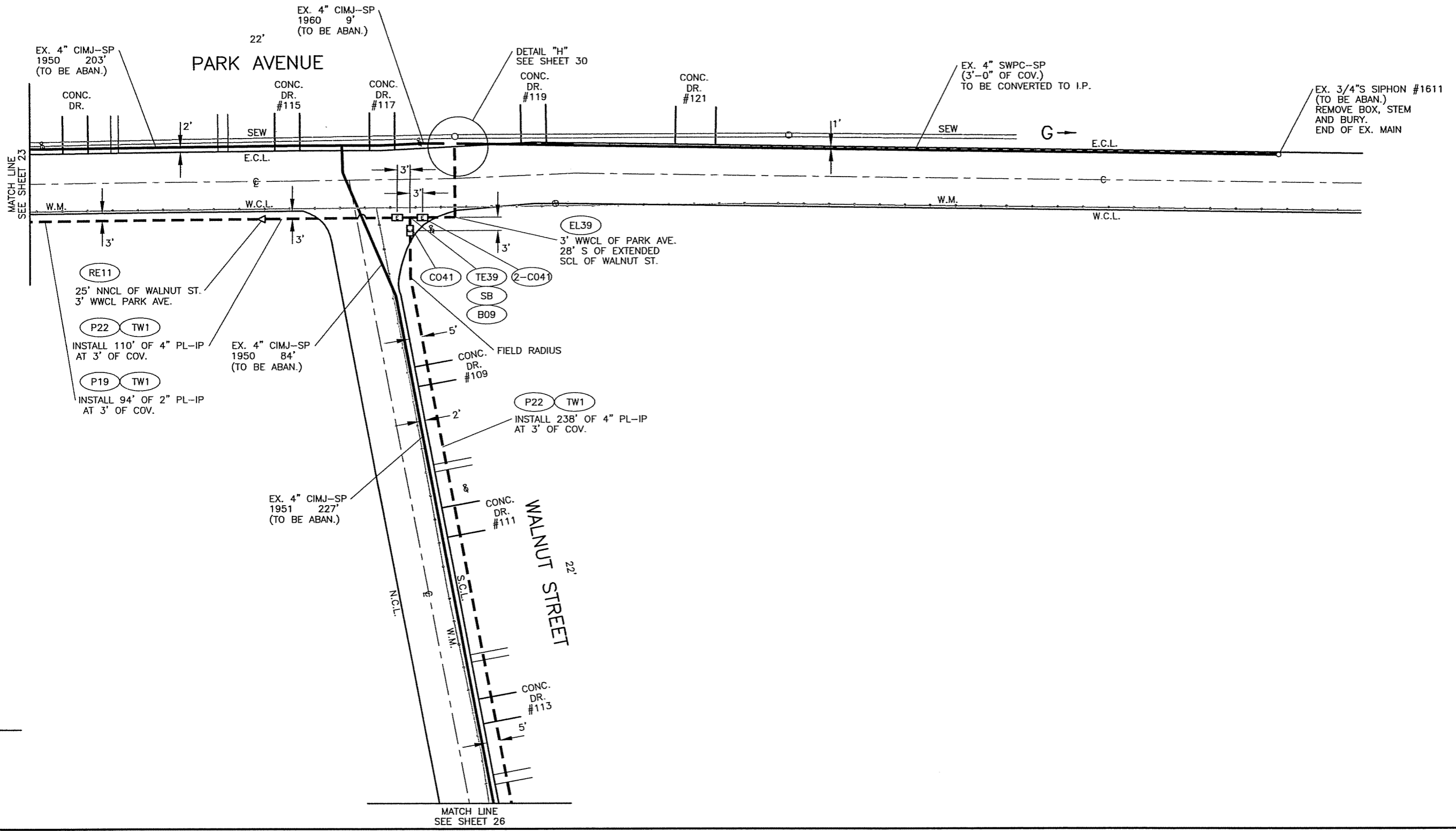
REVISIONS



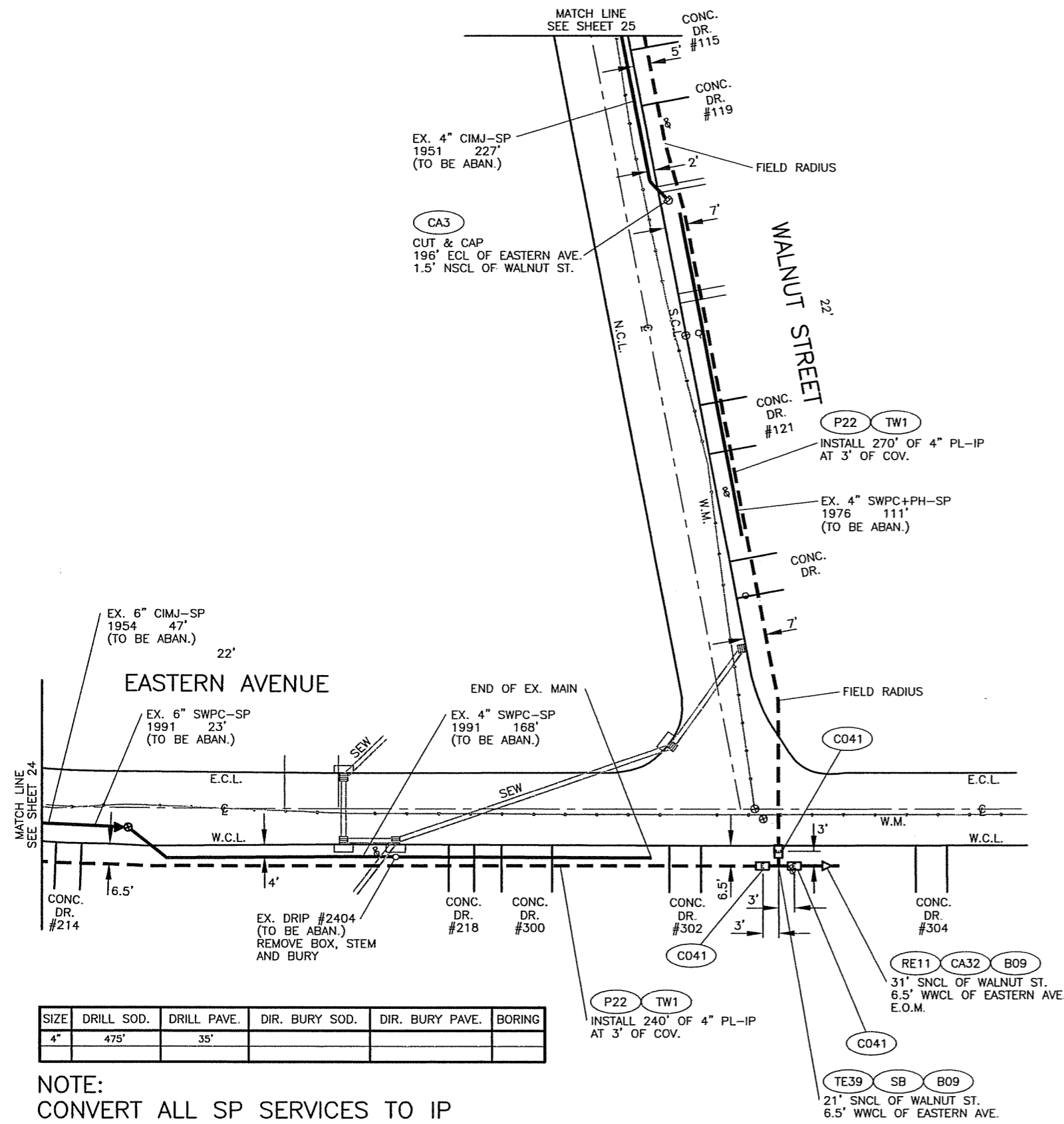
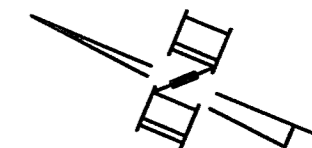


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	94'				
4"	263'	85'			

NOTE:  
CONVERT ALL SP SERVICES TO IP



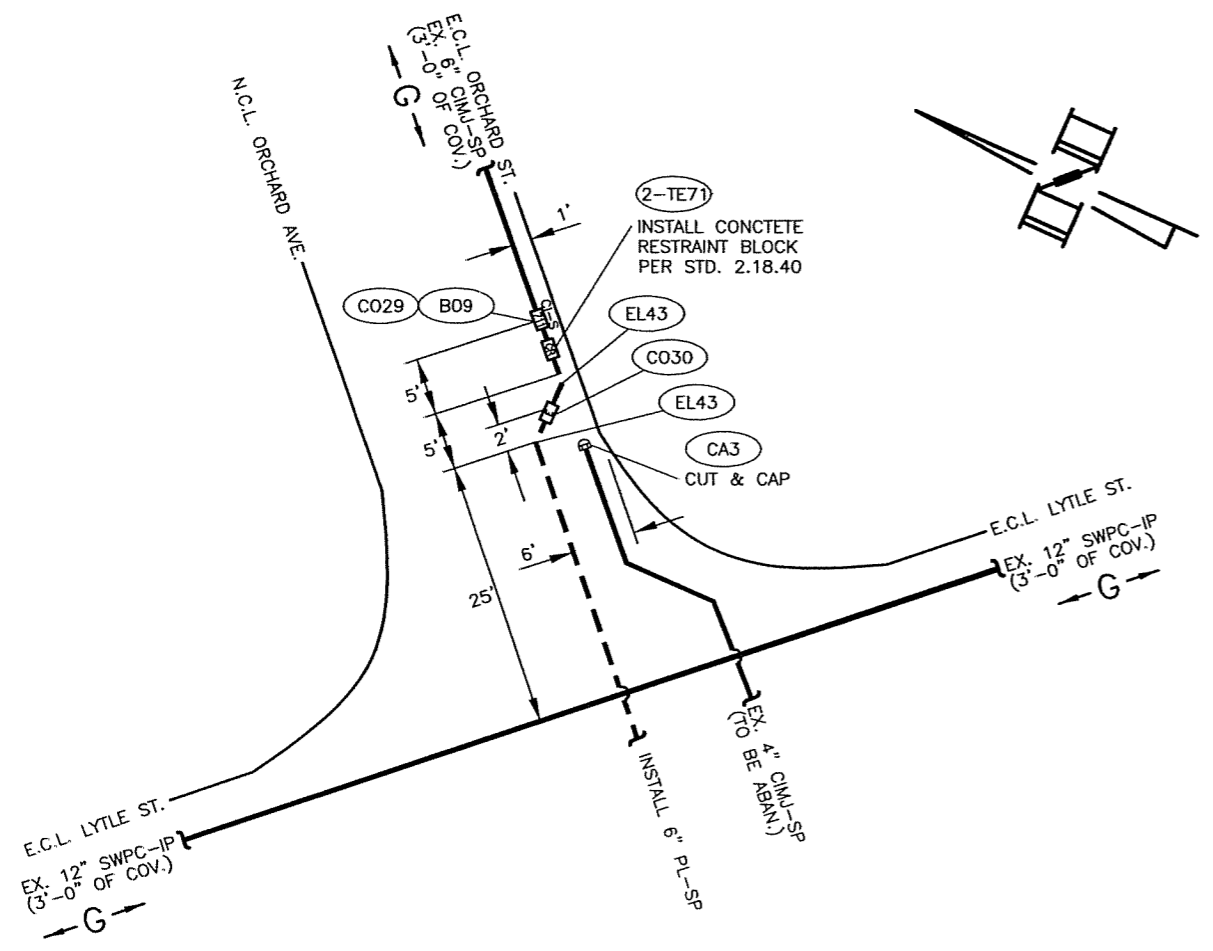
REVISIONS



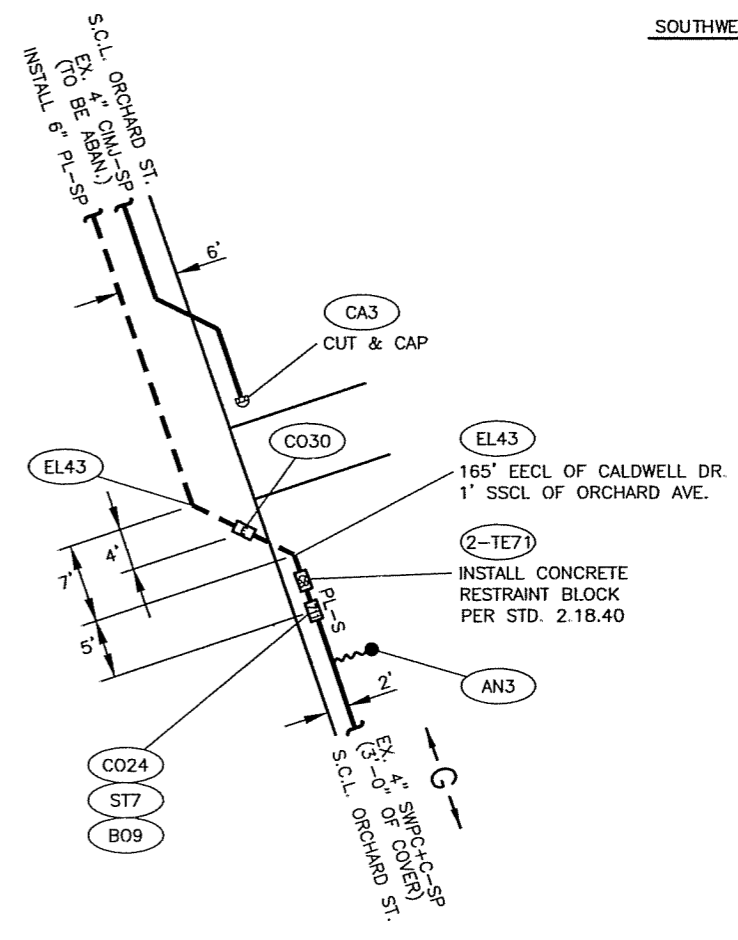
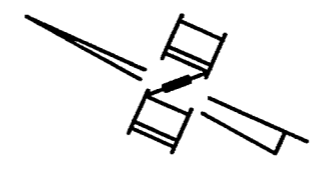
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"	475'	35'			

NOTE:  
CONVERT ALL SP SERVICES TO IP

REVISIONS

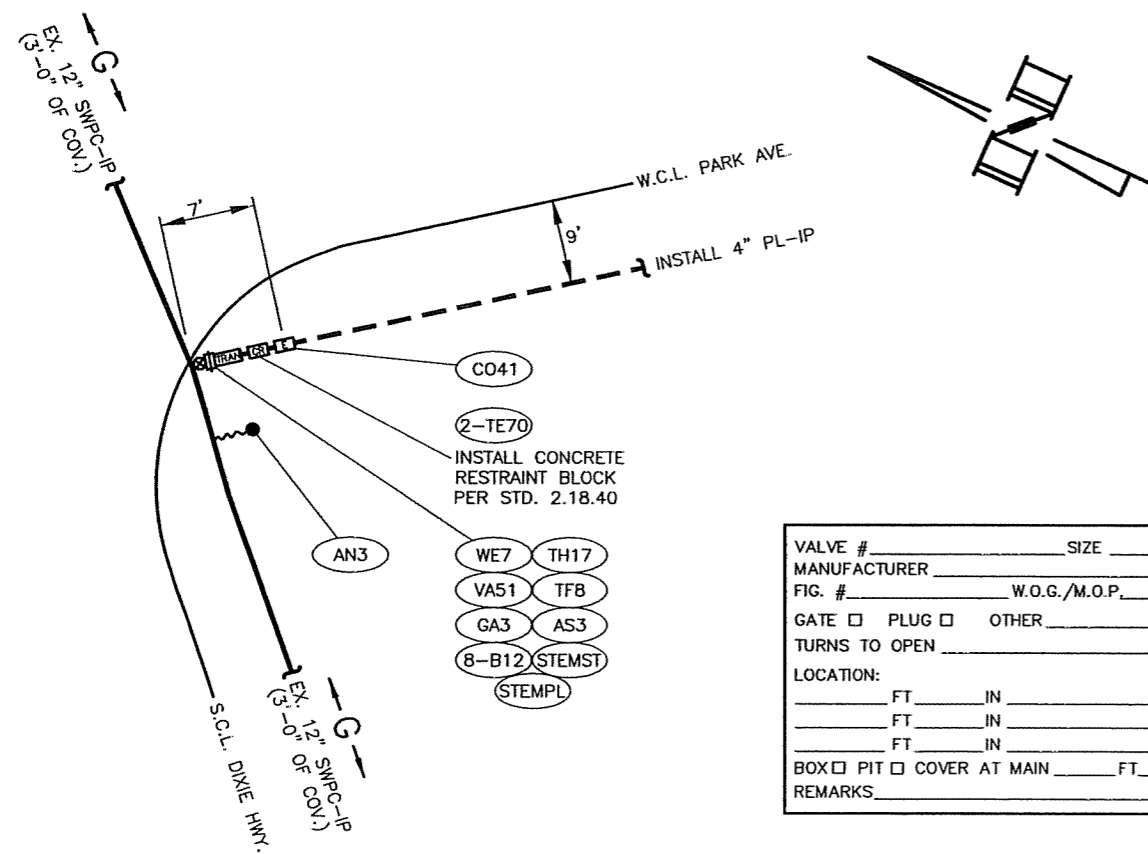


**DETAIL "A"**  
 (FROM SHEET 7)  
 N.T.S.



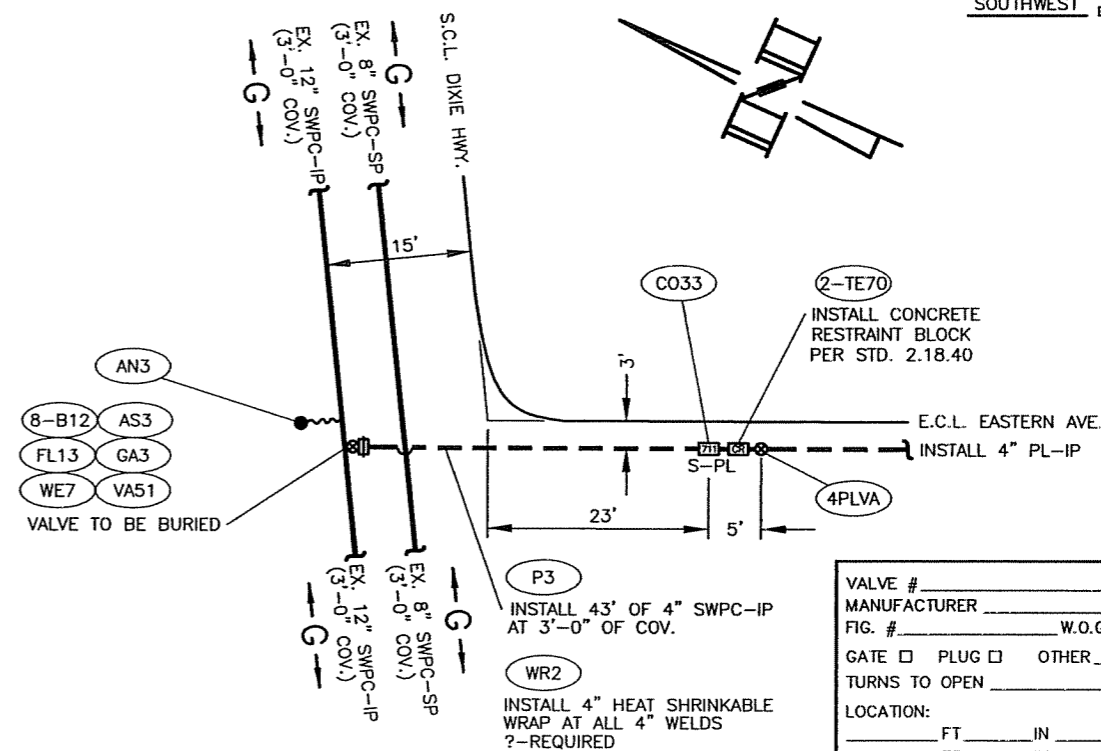
**DETAIL "B"**  
 (SEE SHEET 8)  
 N.T.S.

REVISIONS



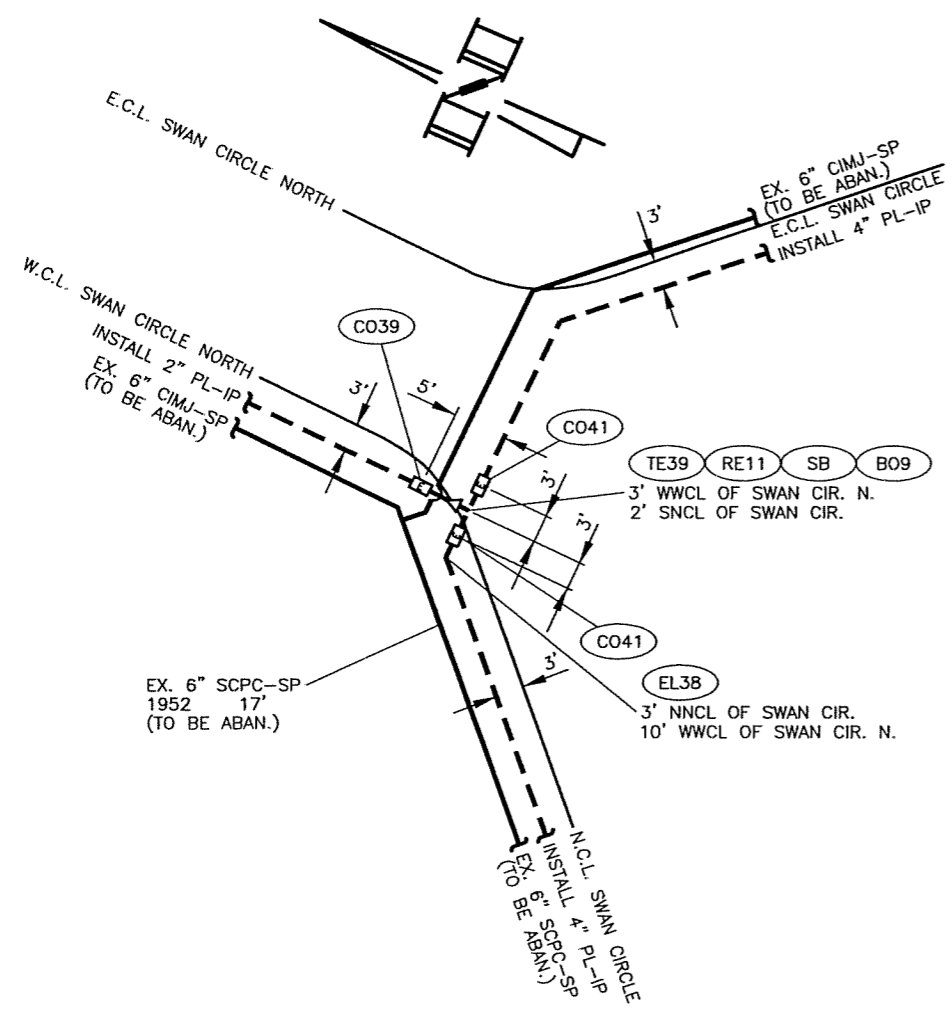
VALVE #	_____	SIZE	_____
MANUFACTURER	_____		
FIG. #	_____	W.O.G./M.O.P.	_____
GATE	<input type="checkbox"/>	PLUG	<input type="checkbox"/>
OTHER	_____		
TURNS TO OPEN	_____		
LOCATION:	_____		
	_____	FT	_____
	_____	IN	_____
	_____	FT	_____
	_____	IN	_____
BOX	<input type="checkbox"/>	PIT	<input type="checkbox"/>
COVER AT MAIN	_____	FT	_____
REMARKS	_____		

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

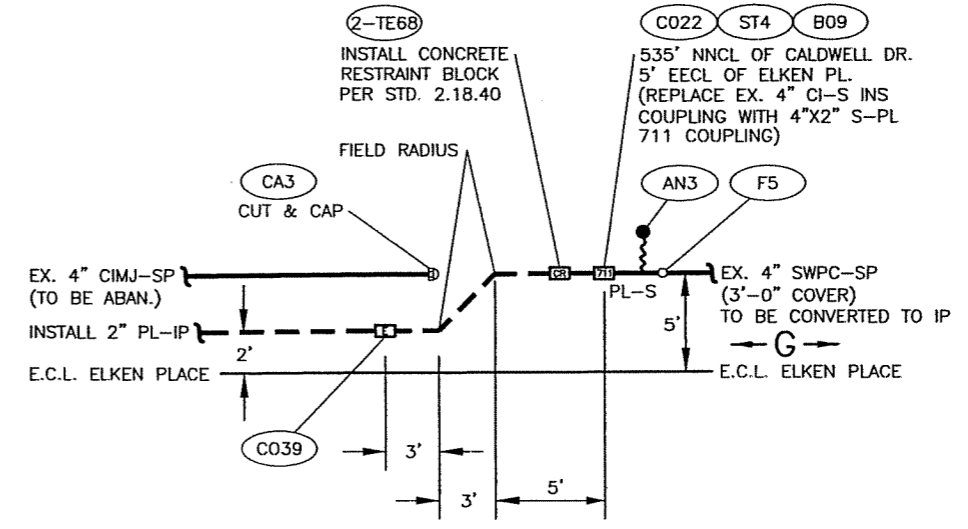


VALVE #	_____	SIZE	_____
MANUFACTURER	_____		
FIG. #	_____	W.O.G./M.O.P.	_____
GATE	<input type="checkbox"/>	PLUG	<input type="checkbox"/>
OTHER	_____		
TURNS TO OPEN	_____		
LOCATION:	_____		
	_____	FT	_____
	_____	IN	_____
	_____	FT	_____
	_____	IN	_____
BOX	<input type="checkbox"/>	PIT	<input type="checkbox"/>
COVER AT MAIN	_____	FT	_____
REMARKS	_____		

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

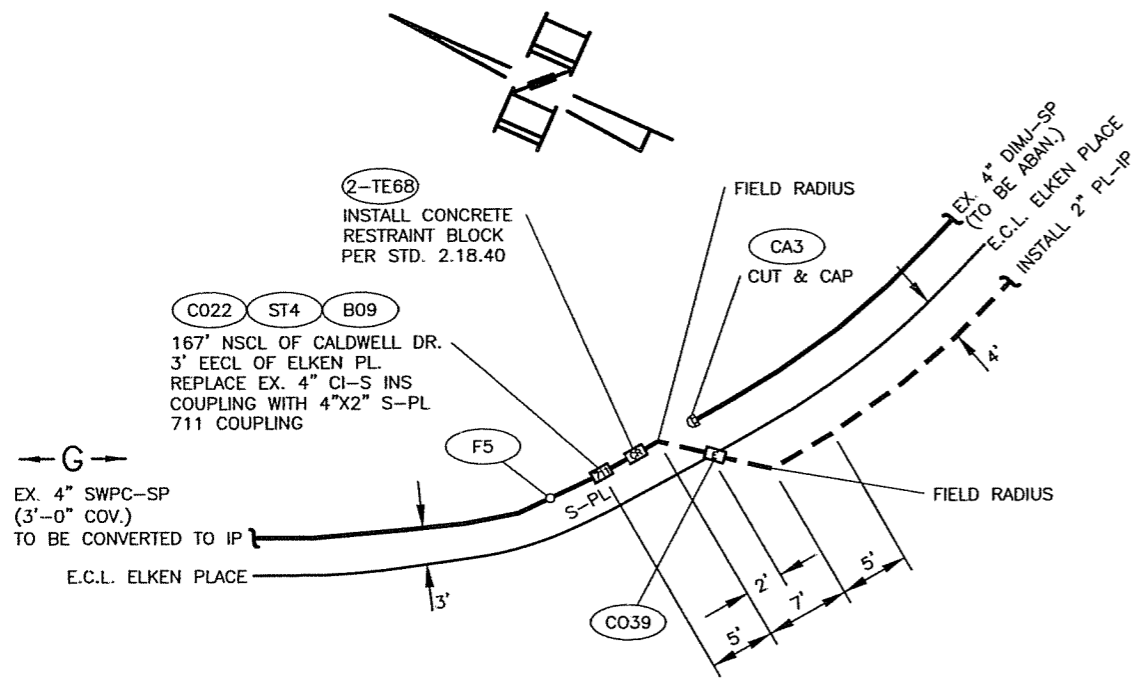


**DETAIL "E"**  
 (FROM SHEET 10)  
 N.T.S.

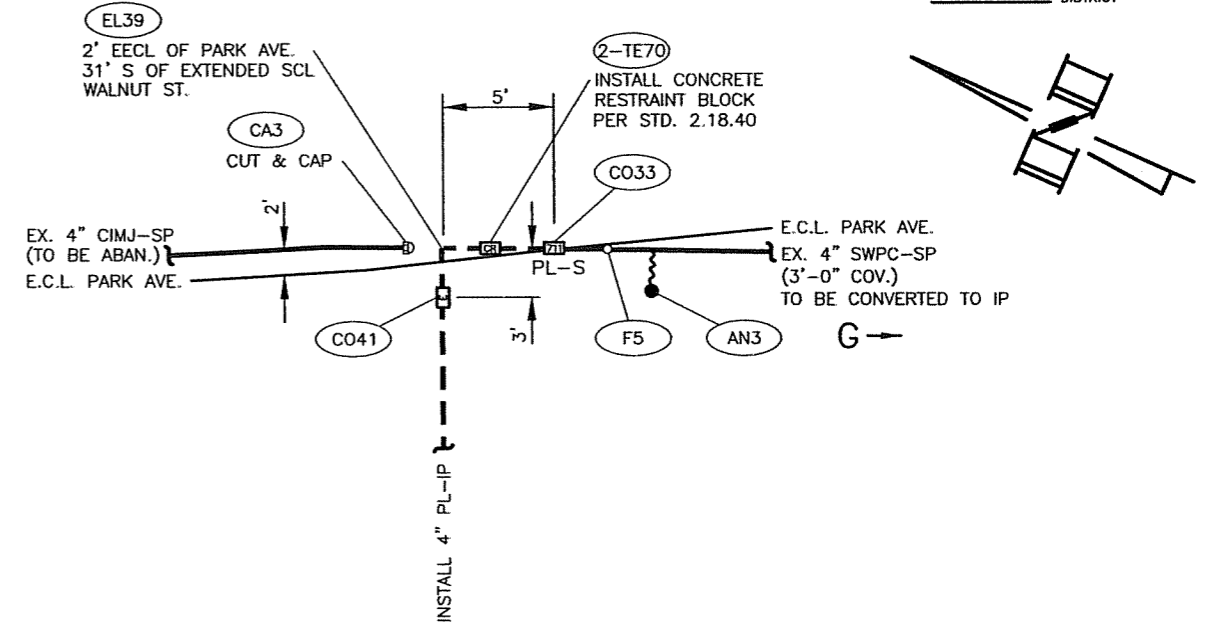


**DETAIL "F"**  
 (FROM SHEET 17)  
 N.T.S.

REVISIONS



**DETAIL "G"**  
 (FROM SHEET 17)  
 N.T.S.



**DETAIL "H"**  
 (FROM SHEET 25)  
 N.T.S.

REVISIONS

# THE UNION LIGHT HEAT & POWER CO.

ISSUE 1 (1/16)

**AUTHORIZED**  
Mar. 11, 2005  
CONSTRUCTION  
DRAWING



**VICINITY MAP**  
N.T.S.

**UTILITY LOCATION CONTACTS**  
 TELEPHONE: 513-533-3154  
 ELECTRIC: 513-421-9500  
 SAN. SEWER: 859-578-7450  
 STORM SEWER: 859-578-7450  
 WATER: 859-331-3060  
 CABLE T.V.: 859-431-0300  
 MUNICIPALITY: 859-431-6252

**DESIGN REVIEW OF COMPLETED CONSTRUCTION JOB**  
 SPONSOR \_\_\_\_\_ DATE \_\_\_\_\_  
 FIELD CHANGE REQUEST DOCUMENT REQUIRED: YES  NO   
 MAOP VERIFICATION BLOCK REQUIRED: YES  NO

MAIN ABANDONMENT		
KIND	YEAR	QTY.
4" CIMJ	1952	61'
4" S	1952	172'
4" S	1928	196'
4" S	1924	786'
6" SC	1928	1210'
4" S	1925	453'
4" PL	2005	7'
4" PL	2005	10'
6" S	1907	534'
4" SWPC	1988	20'
4" S	1907	181'
3" ST	1907	260'
4" SCPC	1975	31'
4" S	1925	88'
4" S	1925	431'
4" CIMJ	1959	80'
4" CIMJ	1957	162'
4" CIMJ	1955	182'
4" CIMJ	1955	55'
4" CIC	1955	128'
4" S	1907	500'
4" S	1907	923'
4" S	1907	55'
4" S	1981	30'
6" S	1928	31'
8" SWPC	1981	10'

- INSTALL TRACER WIRE BOX EVERY 500' ON THE ENTIRE JOB, PER STD. 2.18.1.3.
  - STOP OFF MAIN EVERY 500' PER STD. 2.13.1.3, WHEN INSERTING TO MAINTAIN SERVICE.
  - APPLY FIELD COATING MATERIALS PER STANDS. 7.1.1.1 AND 7.2.1.2.
  - FIELD BENDING OF PIPE SHALL BE PERFORMED PER STD. 2.18.10.
  - ALL GAS MAIN BEING INSERTED IS TO BE INSERTED INTO EX. GAS MAIN.
- CONTACT GAS SYSTEMS OPERATIONS SUPERVISOR PRIOR TO STARTING JOB TO VERIFY GAS FLOW.

DESIGN SPECIFICATION			ESTIMATED AND ACTUAL UNITS OF WORK	
DESCRIPTION			EST. QUANTITIES	ACTUAL QUANTITIES
ITEM DESCRIPTION (REF. GD-147)	SIZE & KIND	UNITS		
<b>BASIC UNITS OF CONSTRUCTION:</b>				
LENGTH OF MAIN	2" PL	(LIN. FT.)	1998	
	4" PL	(LIN. FT.)	2036	
	6" PL	(LIN. FT.)	2719	
		(LIN. FT.)		
<b>SPECIALS INSTALLED</b>				
<b>TOTAL INSTALLATION</b>				
<b>SIZE, KIND &amp; FOOTAGE REMOVED FOR TIE-INS</b>				
BORING WITHOUT CASING		(LIN. FT.)		
BORING WITH CASING		(LIN. FT.)		
(CASING & CARRIER)		(LIN. FT.)		
VALVE ASSEMBLY COMP.		(EACH)		
		(EACH)		
X-RAY OF WELD		(EACH WELD)		
SERVICE CONNECTIONS		(EACH)		
ROCK EXCAVATIONS		(CU. YD.)		
<b>BANKRUN REQUIRED</b>				
NATIVE SOIL - COMPACTED		(TON)		
<b>CONCRETE PAVEMENT</b>				
GRANITE OR BRICK PAVEMENT	CLASS 1	(SQ. YD.)		
ASPHALT CONC. SURFACE OVER CONCRETE	CLASS 2	(SQ. YD.)		
ASPHALT CONC. ON STONE / ASPHALT BASE	CLASS 3	(LIN. FT.)		
TEMPORARY RESTORATION	CLASS 4	(LIN. FT.)		
SIDEWALK RESTORATION	CLASS 5	(LIN. FT.)		
DRIVEWAY RESTORATION	CLASS 6	(SQ. YD.)		
BERM RESTORATION	CLASS 7	(SQ. YD.)		
GRASS RESTORATION	CLASS 8	(SQ. YD.)		
	CLASS 9	(SQ. YD.)		

EAP USE ONLY		FOR EAP USE ONLY																
CONTR. NO.	PERMIT NO.	WORK ORDER	COMMUNITY	COMML CODE	SUBL CODE	DIST.	AREA	PAVING CODE	SIZE OF OPENING	LESS THAN 18" DIA.	AHEAD OF PAVING	HOUSE OR BLDG NO.	DISTANCE & DIRECTION	STREET NAME	DIST. & DIRECT. FROM INTERSECTING STREET	INTERSECTING STREET	SKETCH	
										YES	NO	YES	NO				YES	NO

REVISIONS

<b>CORROSION ENGINEERING</b> APPR. BY: _____ NO. PROPOSED: 3#_0_		ANODE NO. PROPOSED: 3#_0_
NO. INSTALLED: 17#_2_		INSULATION CHECKED <input type="checkbox"/>
NO. TESTED OK (P/S INDICATOR): 3#_		NO. INSTALLED: 17#_
INSPECTION: VISUAL <input checked="checked" type="checkbox"/> JEEP <input type="checkbox"/>		NO. CHECKED: _____
PLASTIC SEPARATIONS INSTALLED <input type="checkbox"/> CONTINUITY OF COUPLINGS CHECKED <input type="checkbox"/> CASING CHECKED FOR SHORT <input type="checkbox"/>		CONDITION OF PIPE COATING WHEN DELIVERED TO JOB: GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR <input type="checkbox"/>
FIELD PRESSURE TEST ALL PIPELINES REQUIRED TESTING BEFORE PLACING INTO SERVICE. PRESSURE CHARTS AND FORMS SHOULD BE FORWARDED TO GAS ENGINEERING AND PLANNING		
REQUIRED TEST PRESSURE RANGE: MIN. 90 PSIG TO MAX. 100 PSIG HOURS 24 MEDIUM AIR		SUPERVISOR OR CONTRACTOR RECORDED BY: _____
TESTED BY: _____ DATE: _____		STARTED: _____ FINISHED: _____ PERMIT NO.: _____

EMS ENG. SPONSOR: D. HAINES      LINE NO. 859-873-0076      DESIGN RESPONSIBILITY: DESIGN		
GAS ENG. SPONSOR: D. BRODBECK      LINE NO. 287-1001      DESIGN RESPONSIBILITY: MAIN		
CONSTRUCTION CONTACT: D. WESTENBURG      LINE NO. 247-2588		

PERMITS REQUIRED: PARK HILLS		PASSPORT # 601593	
<b>GAS DEPT.</b>			
DRAWN	EMS	09/22/04	
CHECKED	DAH	09/27/04	
APPROVED			
APPROVED			
APPROVED			

<b>MOD 319</b>		
<b>MAIN REPLACEMENT</b>		
PARK HILLS, KENTON CO., KY		
DISTRICT	C E N W N SE SW W	
SCALE	AS NOTED	
I.D. NO.	04-8319-8	
W.O. NO.	SEE TABLE	BUD. NO. 1-
EST. FOOTAGE	6753	

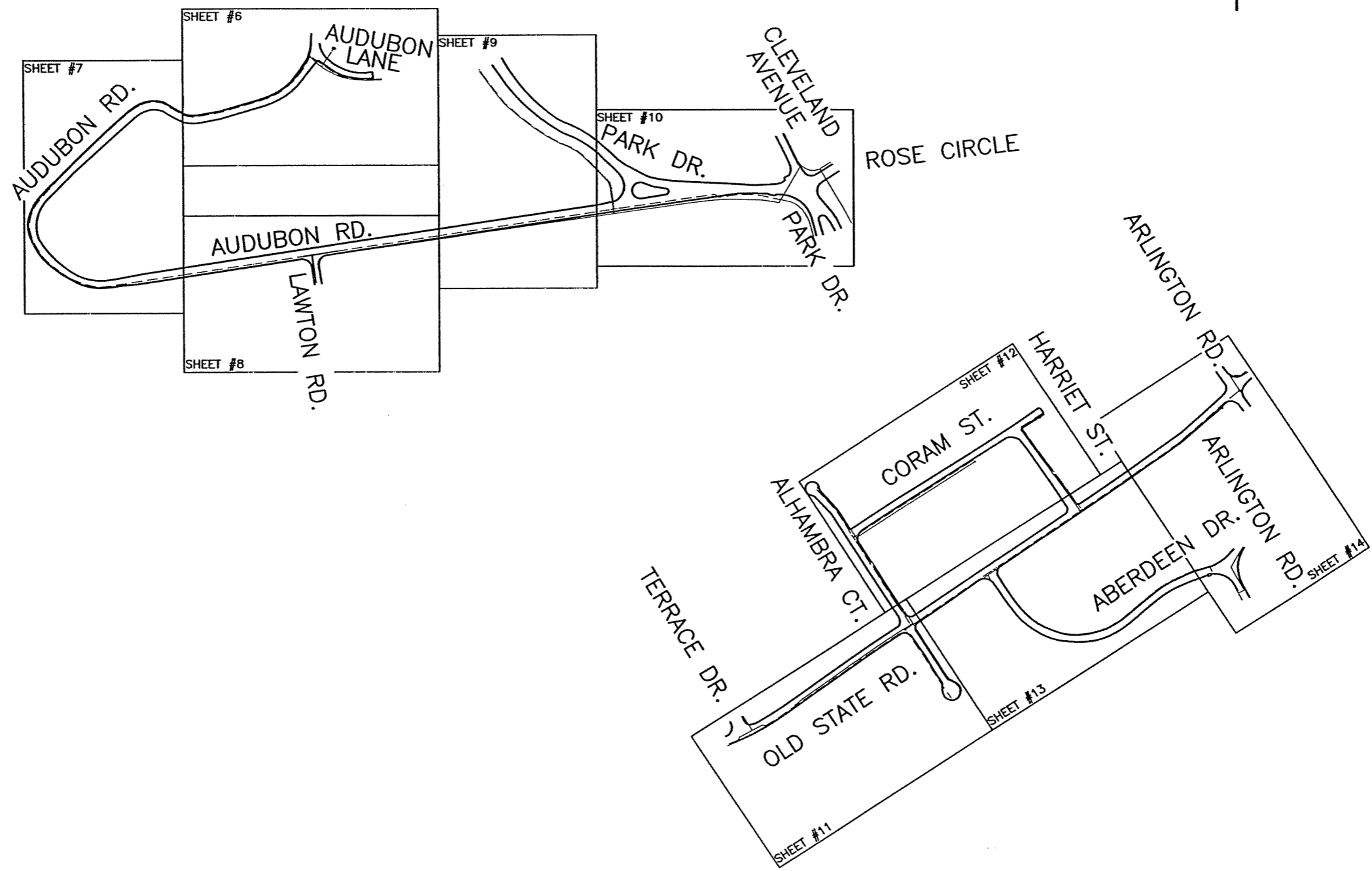
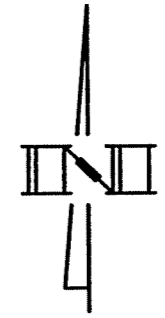
	W.O.#
MAIN INSTALLATION	G 0483198
SERVICE M-C INSTALLATION	MC0483198
SERVICE C-M INSTALLATION	CM0483198
ABANDONMENT	R 0483198
METER RELOCATION	CIBSMM

S01W01-46 & S01W01-54

CPCN Filing  
March, 2006  
Module 319







REVISIONS

Table with 15 columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SOWK, DWAY, PAV, SOD, OUT, COMMENTS. Header includes 'GAS MAIN REPLACEMENT SERVICE CHECK LIST' and '(SUBJECT TO STANDARD FIELD CHECK)'. Rows include addresses from 27531 to 27733.

Table with 15 columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SOWK, DWAY, PAV, SOD, OUT, COMMENTS. Header includes 'GAS MAIN REPLACEMENT SERVICE CHECK LIST' and '(SUBJECT TO STANDARD FIELD CHECK)'. Rows include addresses from 446875 to 28192.

Table with 15 columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SOWK, DWAY, PAV, SOD, OUT, COMMENTS. Header includes 'GAS MAIN REPLACEMENT SERVICE CHECK LIST' and '(SUBJECT TO STANDARD FIELD CHECK)'. This table is mostly empty.

Table with 15 columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SOWK, DWAY, PAV, SOD, OUT, COMMENTS. Header includes 'GAS MAIN REPLACEMENT SERVICE CHECK LIST' and '(SUBJECT TO STANDARD FIELD CHECK)'. Rows include addresses from 27734 to 27771.

Table with 15 columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SOWK, DWAY, PAV, SOD, OUT, COMMENTS. Header includes 'GAS MAIN REPLACEMENT SERVICE CHECK LIST' and '(SUBJECT TO STANDARD FIELD CHECK)'. Rows include addresses from 28193 to 28251.

Table with 15 columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, NEAR HOUSE, METER, LOC, SOWK, DWAY, PAV, SOD, OUT, COMMENTS. Header includes 'GAS MAIN REPLACEMENT SERVICE CHECK LIST' and '(SUBJECT TO STANDARD FIELD CHECK)'. This table is mostly empty.

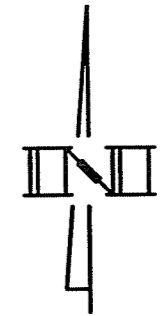
MAIN MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST.	ACTUAL
AN3	17# GALVOMAG	0050056182	2	
B08	CATHODIC TERMINAL BOX	0050057325	6	
B09	ROUND VALVE BOX	0050057322	18	
B09	ROUND VALVE BOX LID	0050057324	18	
B10	TRACER WIRE BOX	0050057326	2	
CA32	2" IPS PURGE POINT FITTING	0050057593	6	
CO25	8" S x 6" PL REDUCING COUPLING W/ STIFFENER	0050092530	1	
CO30	6" ELECTROFUSION COUPLING	0050091357	16	
CO39	2" ELECTROFUSION COUPLING	0050057409	10	
CO40	3" ELECTROFUSION COUPLING	0050057408	1	
CO41	4" ELECTROFUSION COUPLING	0050057407	12	
EL37	2" - 90 DEG. IPS BUTT FUSION ELL	0050057553	1	
EL39	4" - 90 DEG. IPS BUTT FUSION ELL	0050057555	1	
EL43	6" - 45 DEG. IPS BUTT FUSION ELL	0050088405	2	
EL44	6" - 90 DEG. IPS BUTT FUSION ELL	0050088406	2	
F7	8" WELD SHORTSTOPP FITTING	0050057585	1	
P19	2" PLASTIC PIPE - 500' .216 SDR 11	0050056008	1,998	
P22	4" IPS PLASTIC PIPE - 40' .395 SDR 11.5	0050056058	2,036	
P27	6" IPS PLASTIC PIPE - 40' .491 SDR 13.5	0050088398	2,719	
RE11	4" IPS x 2" IPS BUTT FUSION REDUCER	0050057758	5	
RE13	4" IPS x 3" IPS BUTT FUSION REDUCER	0050088409	1	
RE15	6" IPS x 4" IPS BUTT FUSION REDUCER	0050088410	3	
SB	TRACER WIRE SPLIT BOLT	0000833615	7	
ST7	6" STIFFENER	0050088413	1	
TE38	2" IPS BUTT FUSION TEE	0050057865	2	
TE39	4" IPS BUTT FUSION TEE	0050057867	4	
TE42	6" IPS BUTT FUSION TEE	0050088411	1	
TE7	2" 3-WAY TEE	0050057869	1	
TE71	6" X 1" ELECTROFUSION TEE	0000903927	4	
TI1	2" PL-S TRANSITION FITTING	0050057594	1	
TW1	TRACER WIRE	0050079028	6,753	

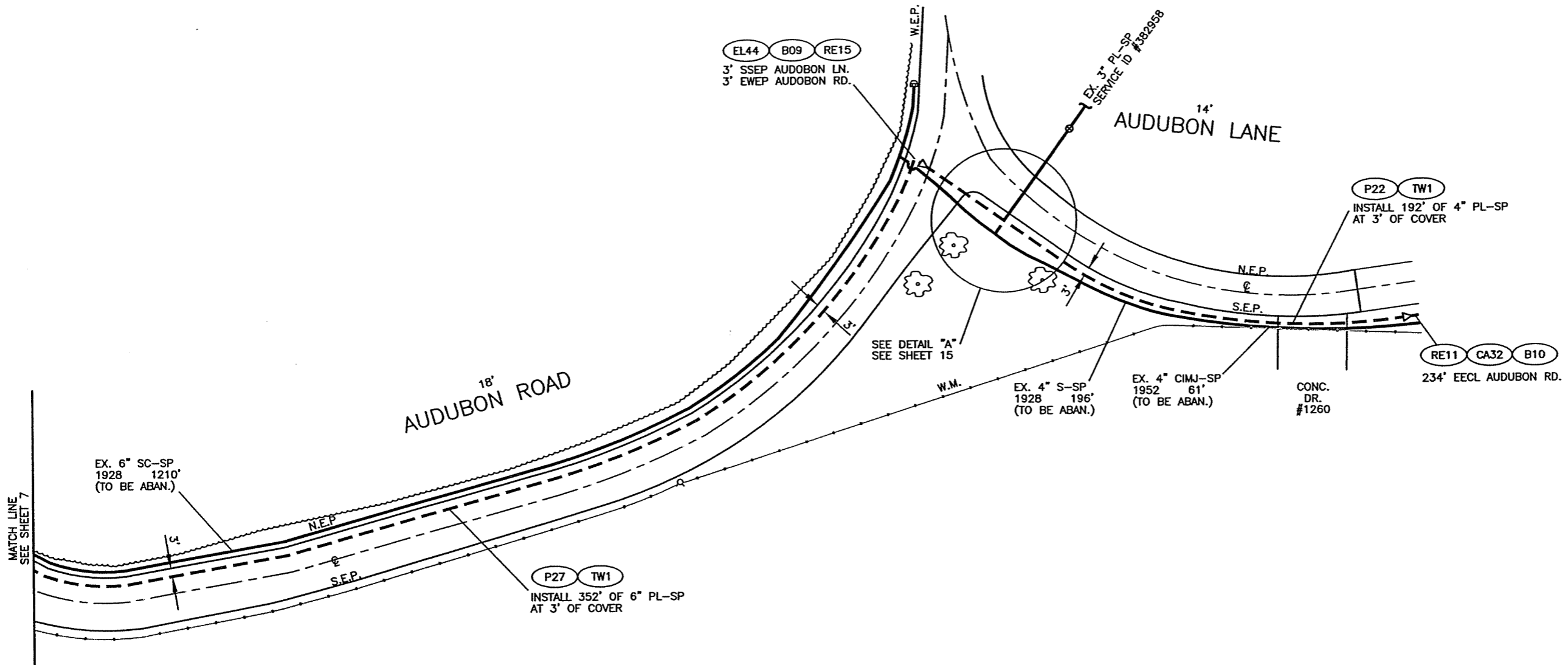
RETIREMENT MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST.	ACTUAL
CA28	4" IPS BUTT FUSION CAP	0050057347	1	
CA3	4" M.J. CAP	0050057329	1	
CO41	4" ELECTROFUSION COUPLING	0050057407	1	

REVISIONS

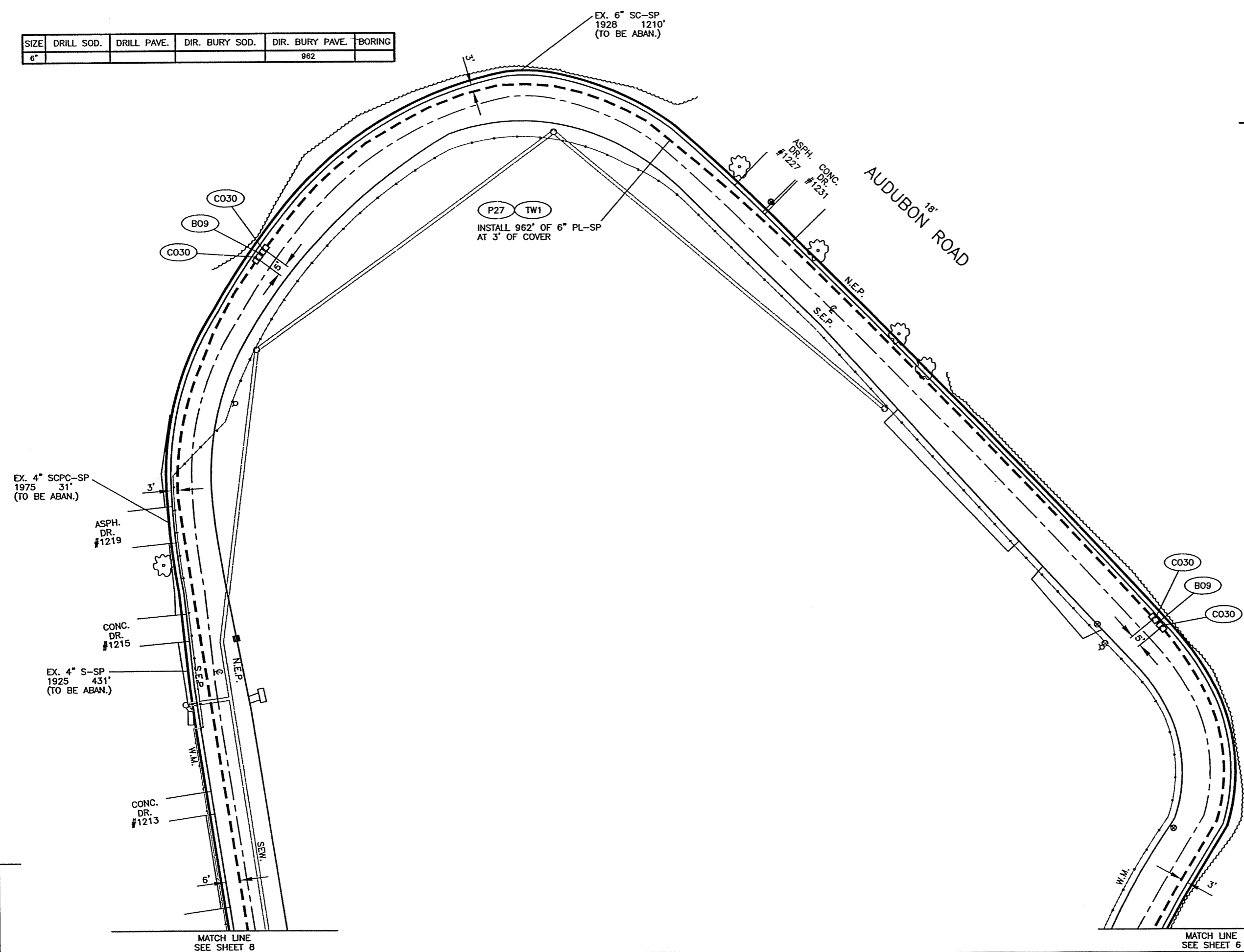
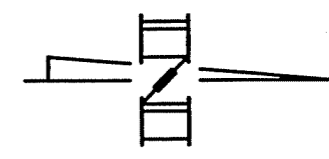


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"			176	20	
6"				352	

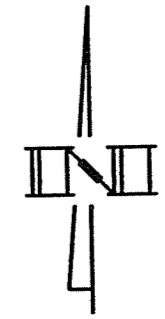
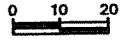


REVISIONS

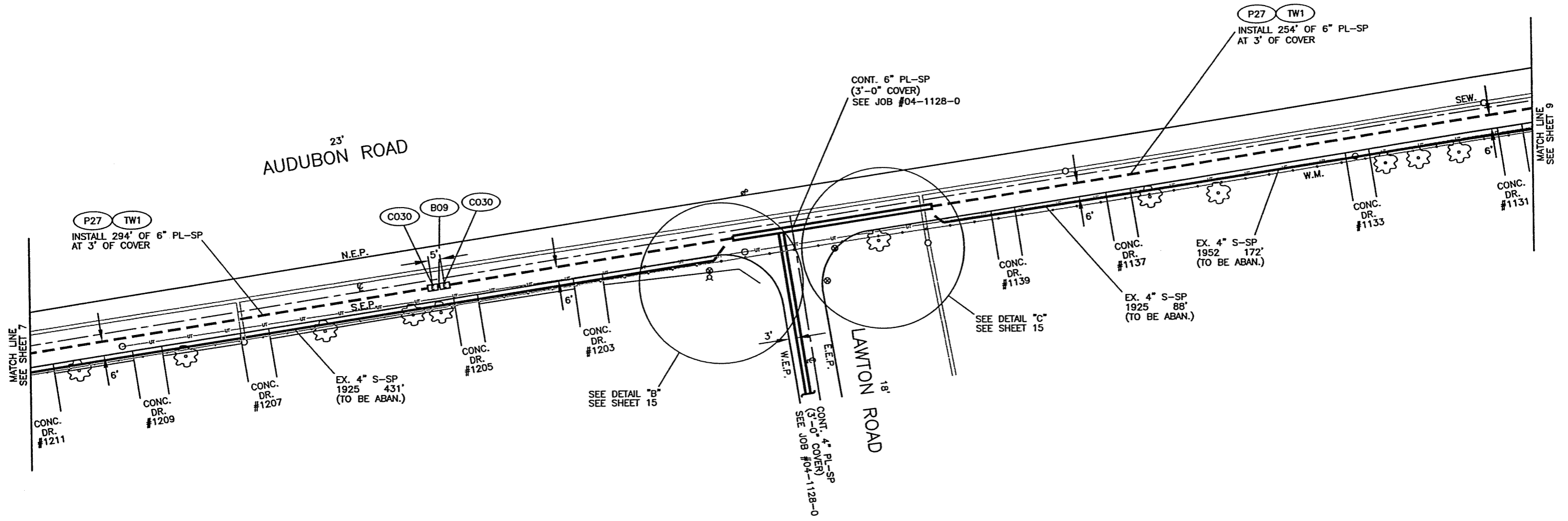
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				962	



REVISIONS

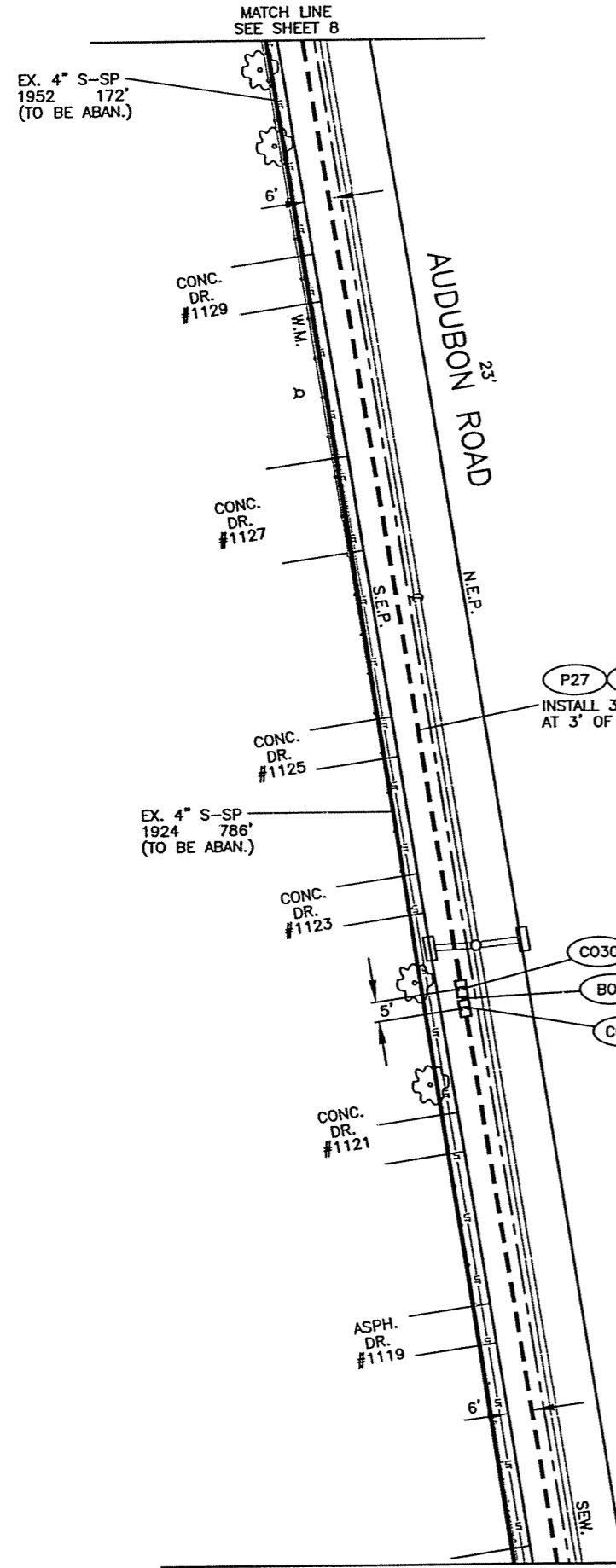
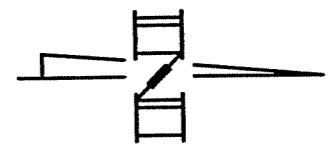


SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
6"				548	



REVISIONS

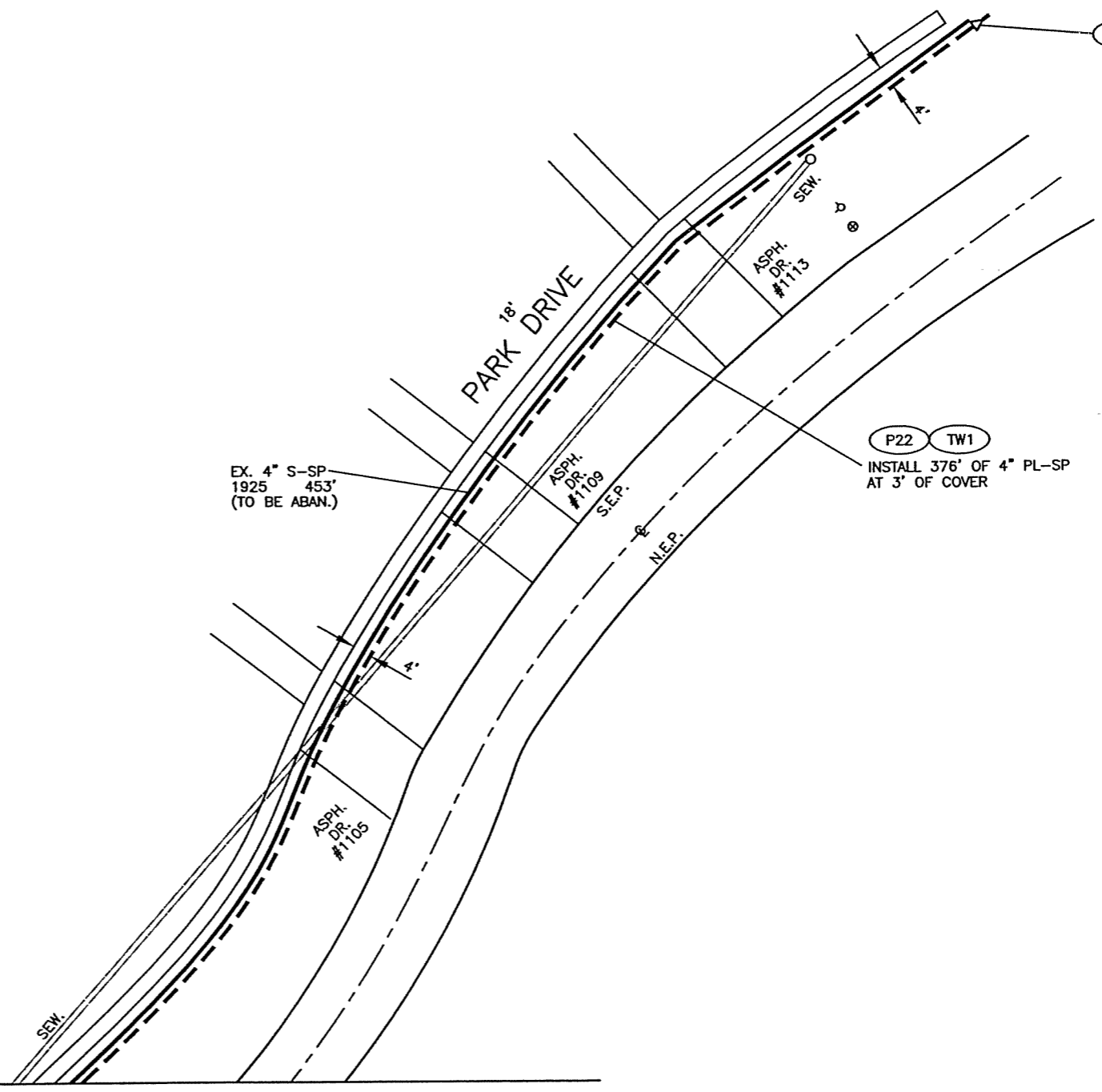
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"			376	387	
6"					



P27 TW1  
INSTALL 387' OF 6" PL-SP  
AT 3' OF COVER

P22 TW1  
INSTALL 376' OF 4" PL-SP  
AT 3' OF COVER

RE11 CA32 B10  
485' NNEP OF AUDUBON RD

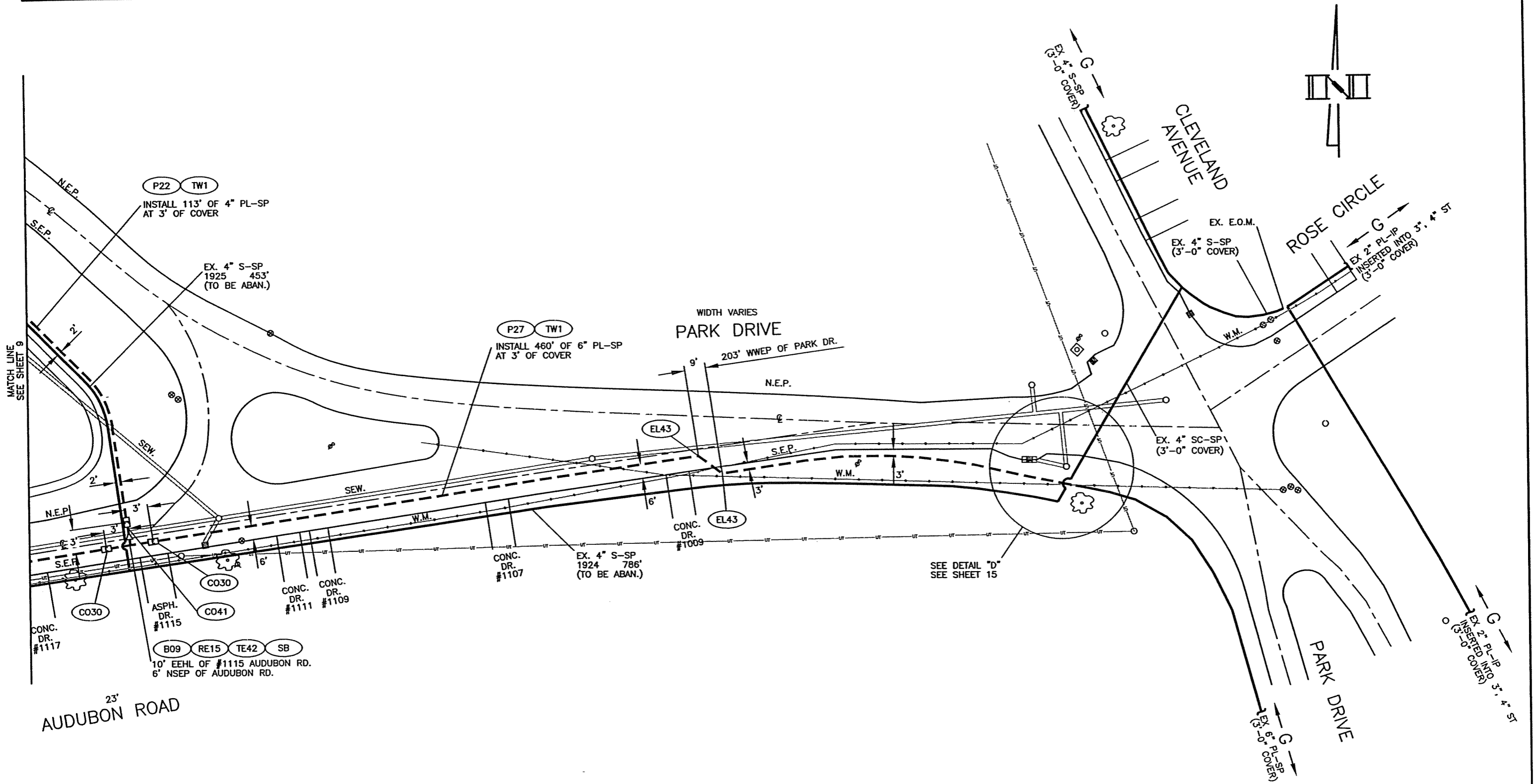


MATCH LINE  
SEE SHEET 10

04-8319-8

REVISIONS

SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
4"			93	20	
6"			160	300	

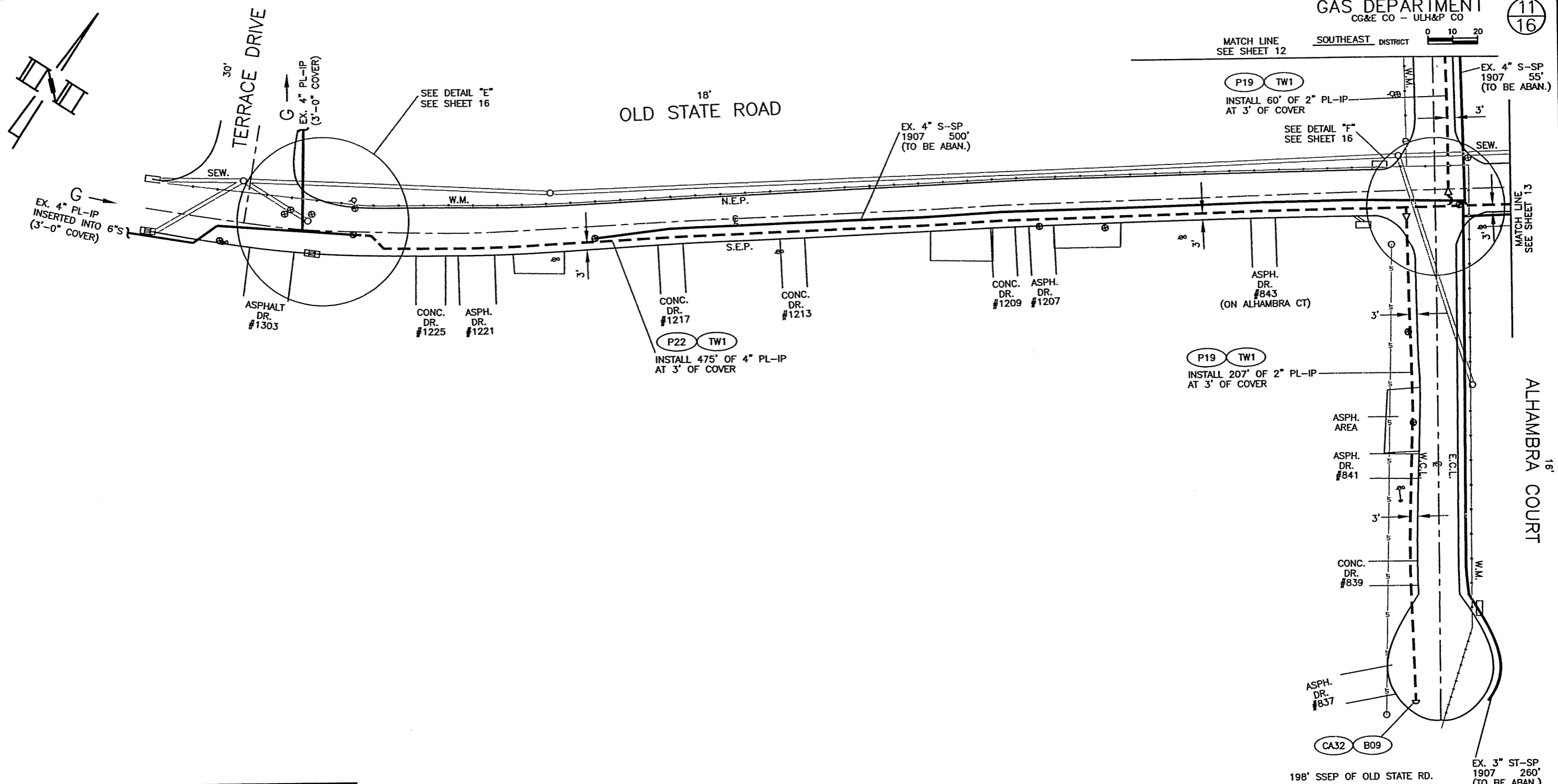
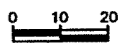


REVISIONS



MATCH LINE  
SEE SHEET 12

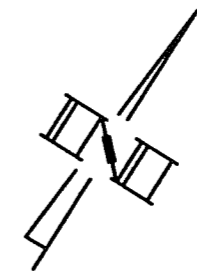
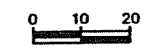
SOUTHEAST DISTRICT



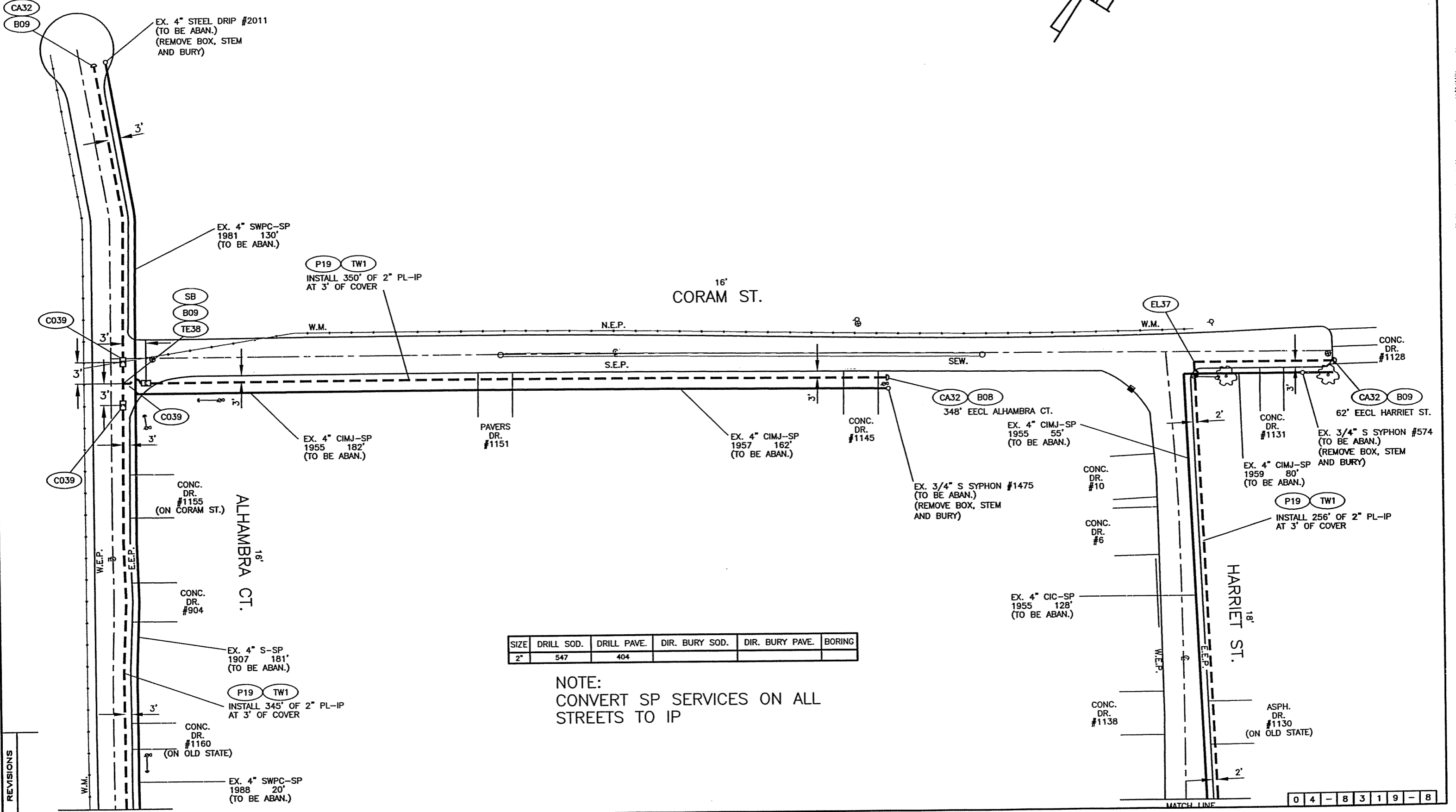
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	157	110			
4"				475	

NOTE:  
CONVERT SP SERVICES ON ALL  
STREETS TO IP

REVISIONS



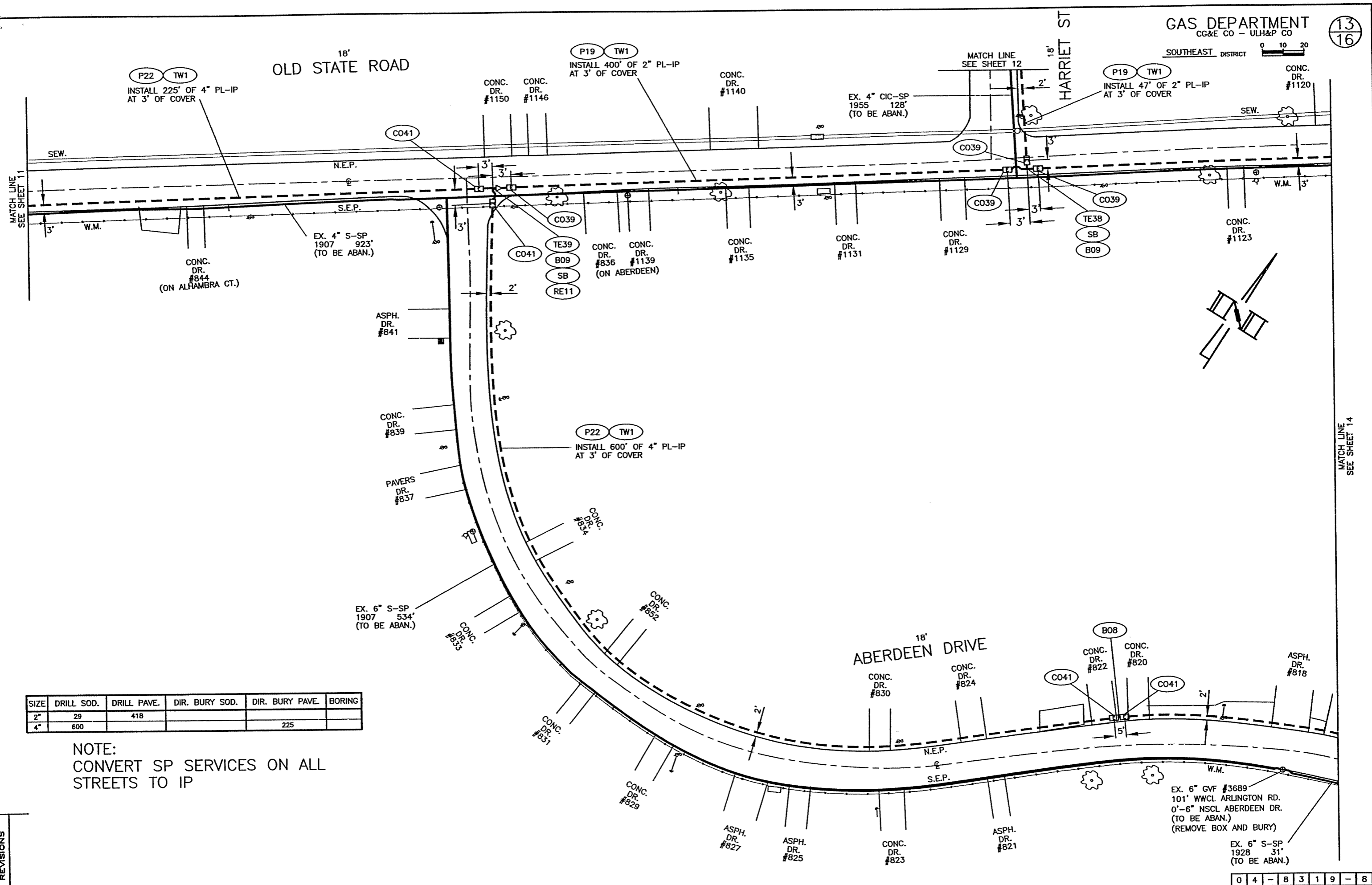
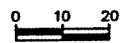
128' NNCL OF CORAM ST.



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	547	404			

NOTE:  
CONVERT SP SERVICES ON ALL  
STREETS TO IP

REVISIONS



SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"	29	418			
4"	600			225	

NOTE:  
CONVERT SP SERVICES ON ALL  
STREETS TO IP

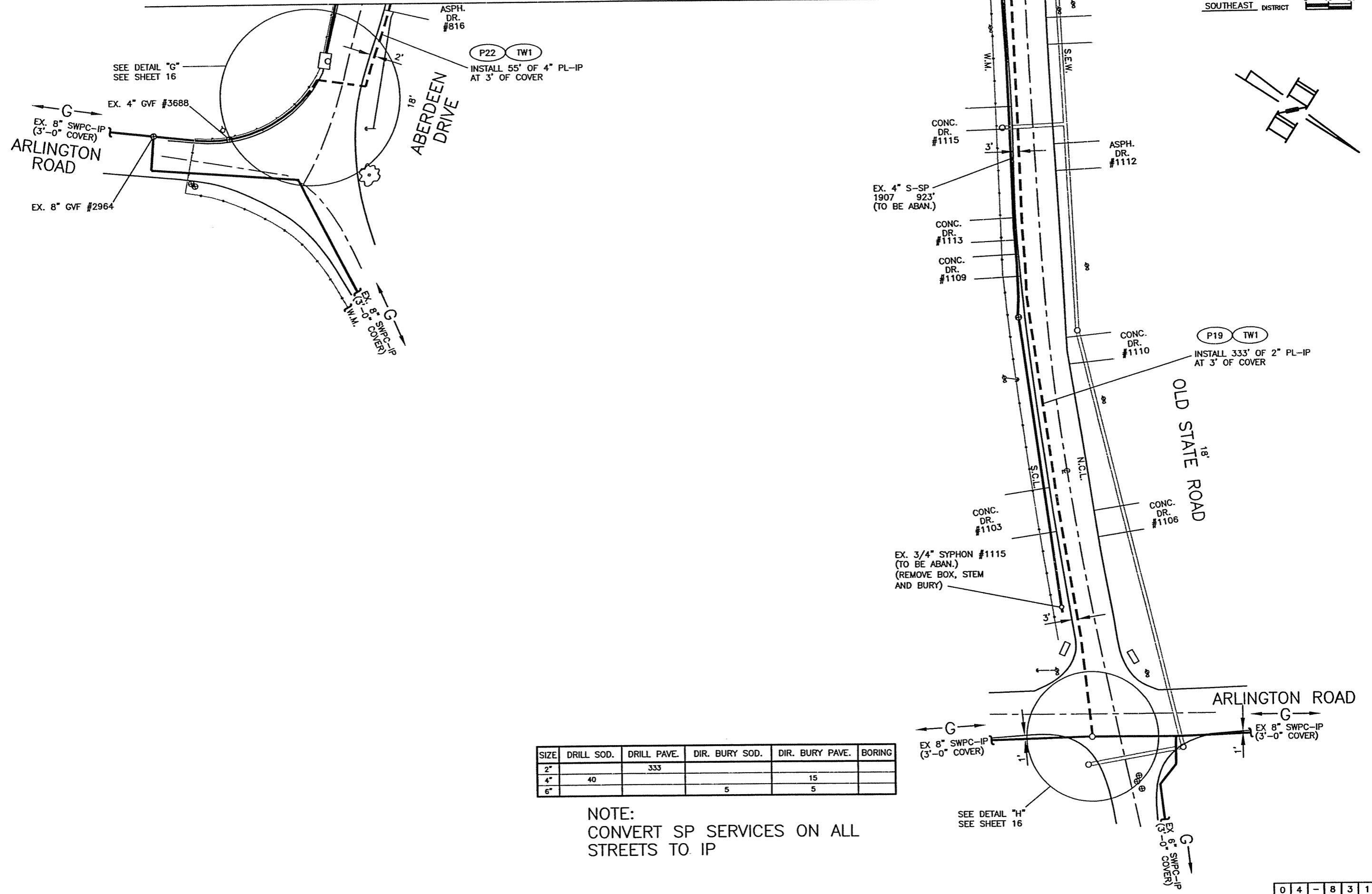
EX. 6" GVF #3689  
101' WWCL ARLINGTON RD.  
0'-6" NSCL ABERDEEN DR.  
(TO BE ABAN.)  
(REMOVE BOX AND BURY)

EX. 6" S-SP  
1928 31'  
(TO BE ABAN.)

REVISIONS

MATCH LINE  
SEE SHEET 14

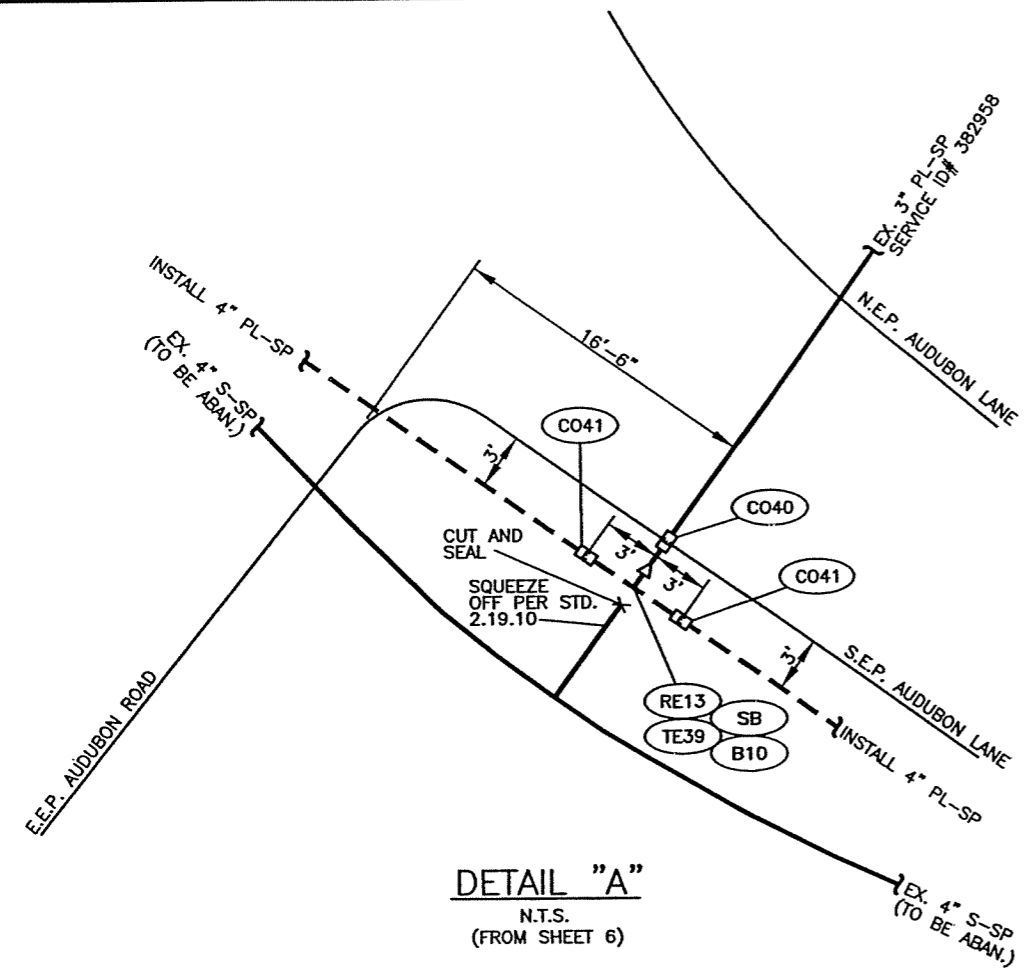
MATCH LINE  
SEE SHEET 13



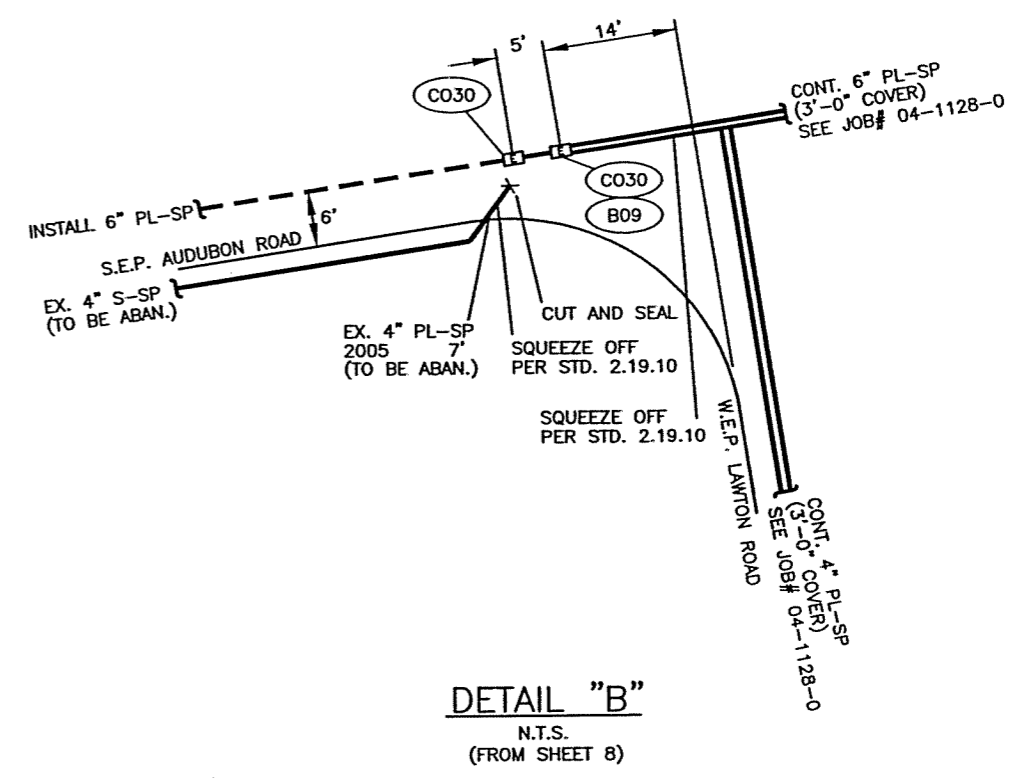
SIZE	DRILL SOD.	DRILL PAVE.	DIR. BURY SOD.	DIR. BURY PAVE.	BORING
2"		333			
4"	40			15	
6"			5	5	

NOTE:  
CONVERT SP SERVICES ON ALL  
STREETS TO IP

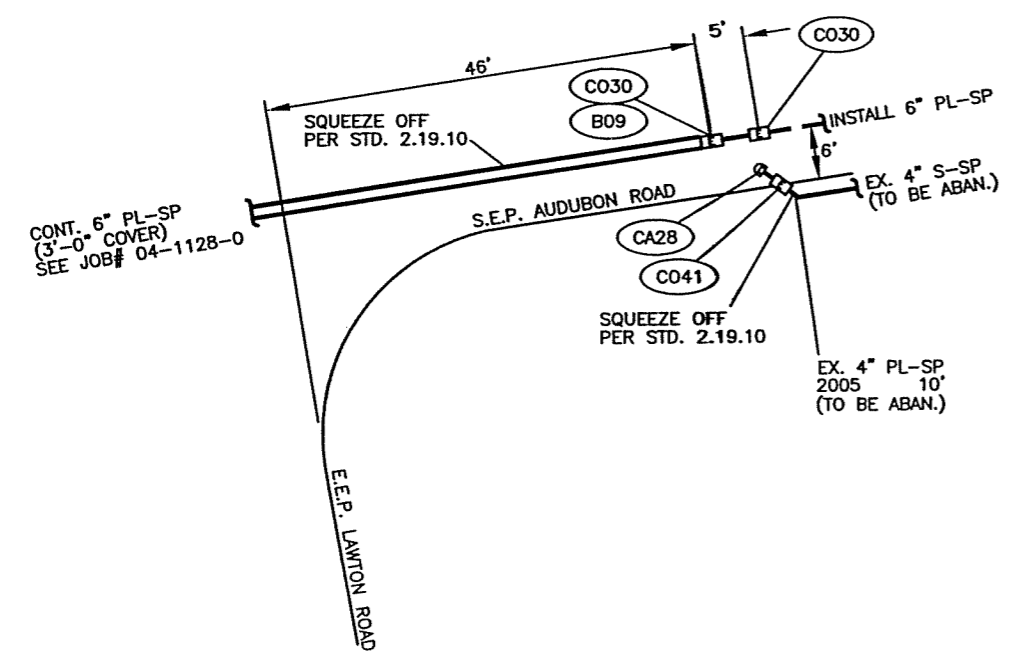
REVISIONS



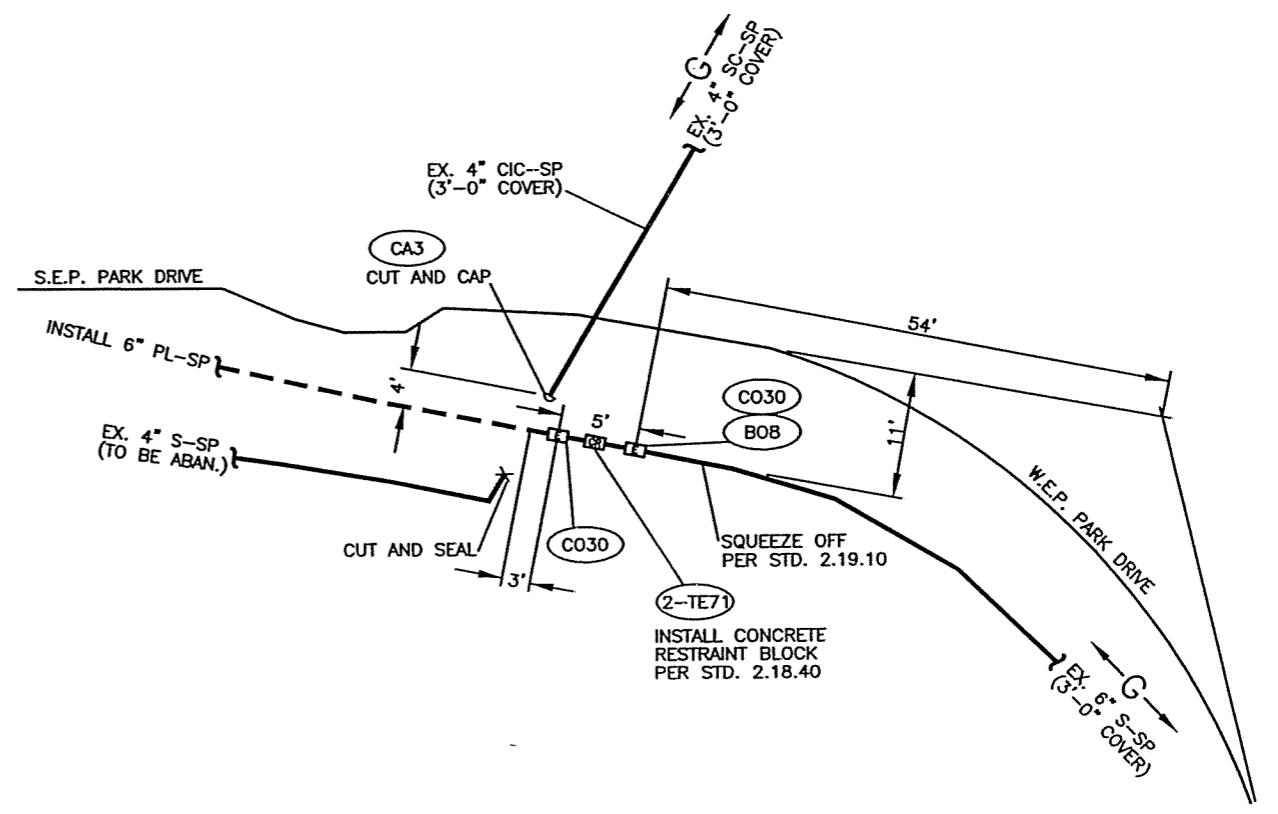
DETAIL "A"  
N.T.S.  
(FROM SHEET 6)



DETAIL "B"  
N.T.S.  
(FROM SHEET 8)

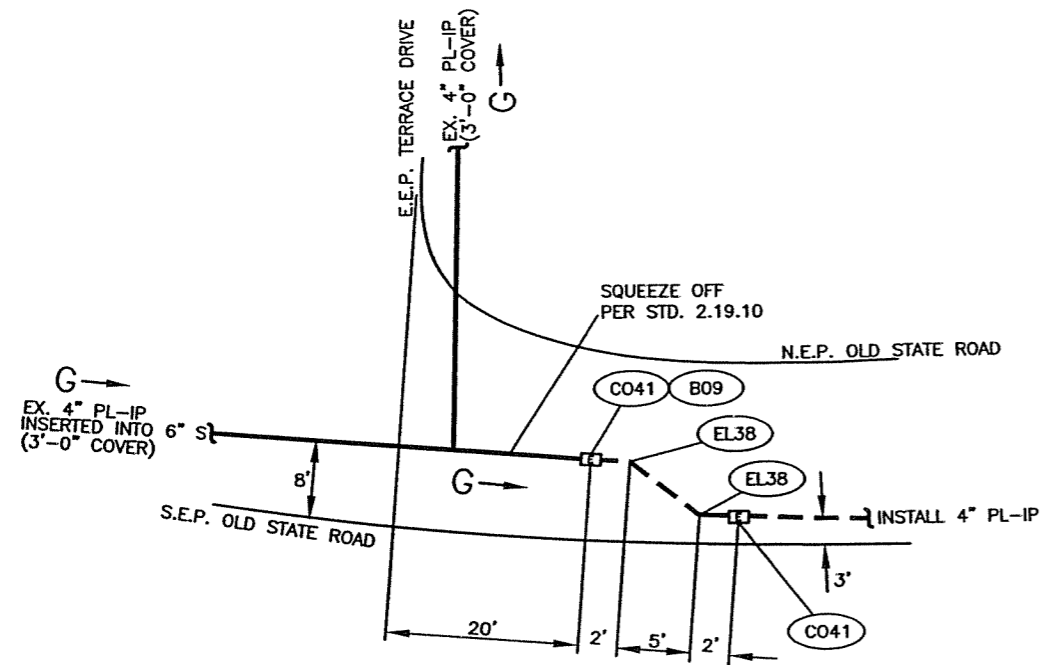


DETAIL "C"  
N.T.S.  
(FROM SHEET 8)

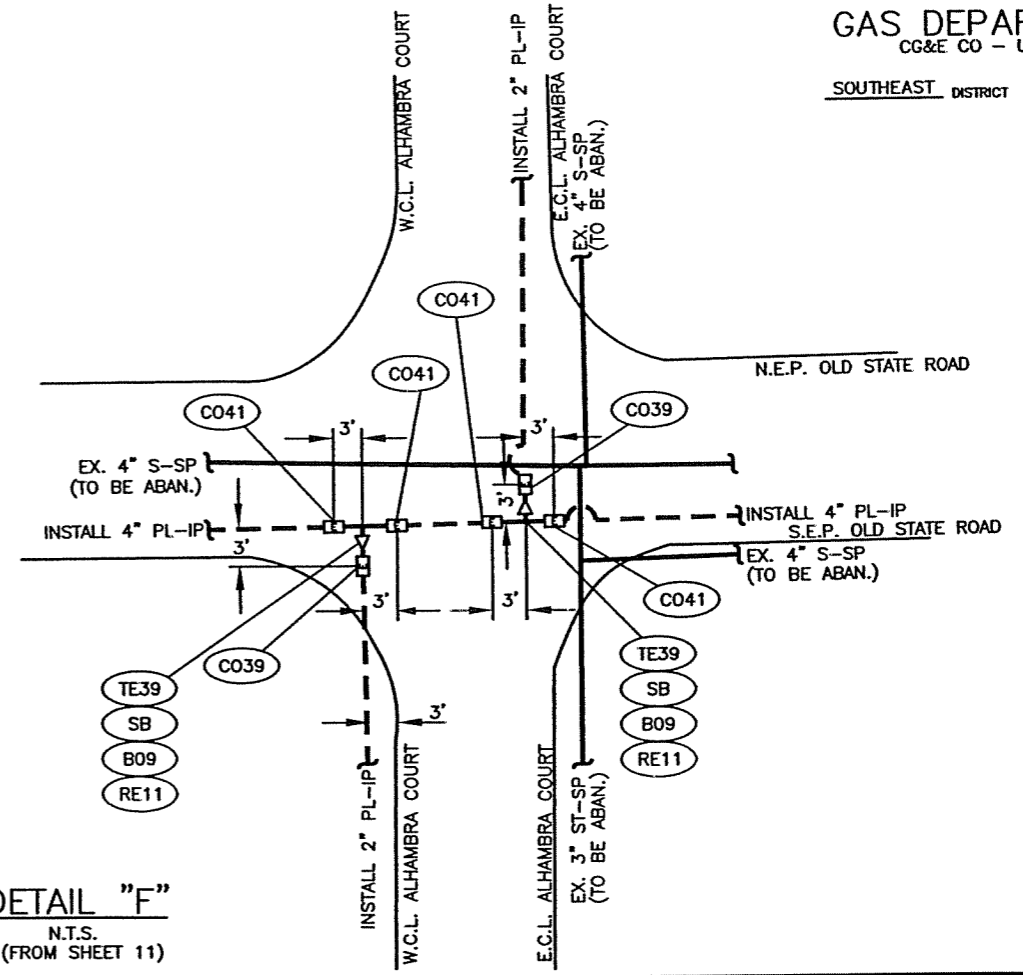


DETAIL "D"  
N.T.S.  
(FROM SHEET 10)

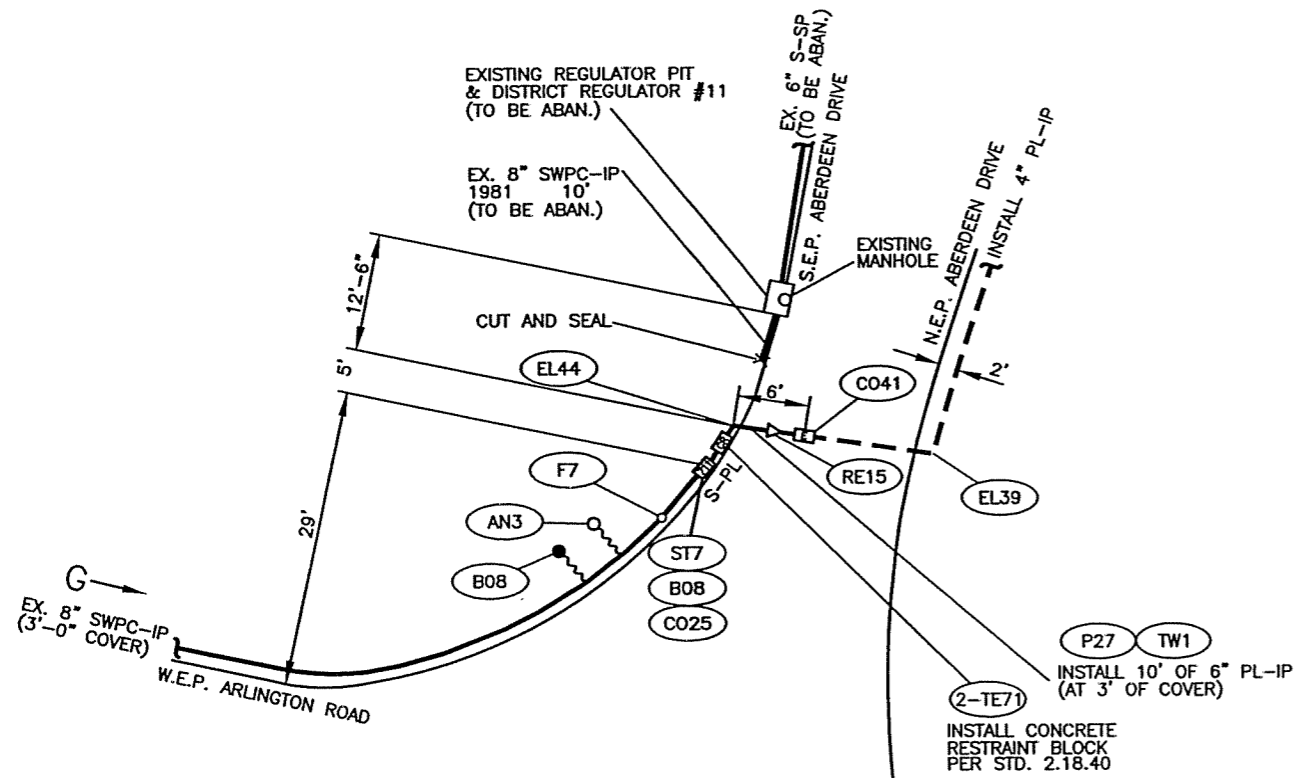
REVISIONS



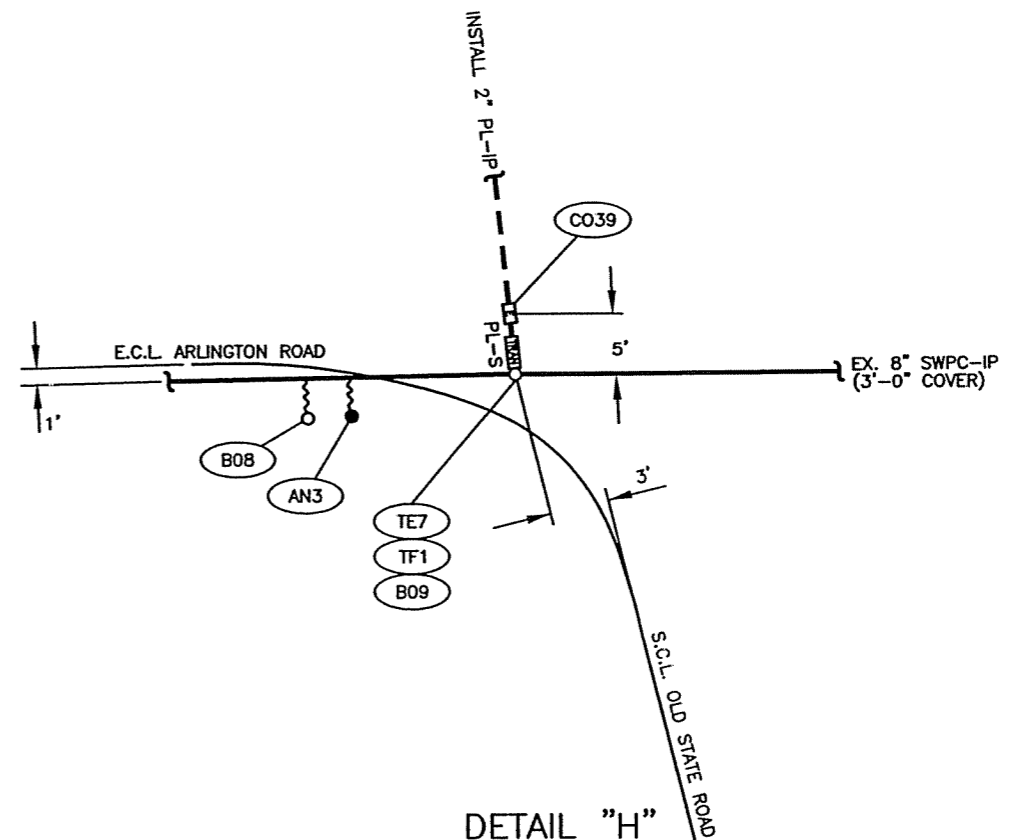
DETAIL "E"  
N.T.S.  
(FROM SHEET 11)



DETAIL "F"  
N.T.S.  
(FROM SHEET 11)



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



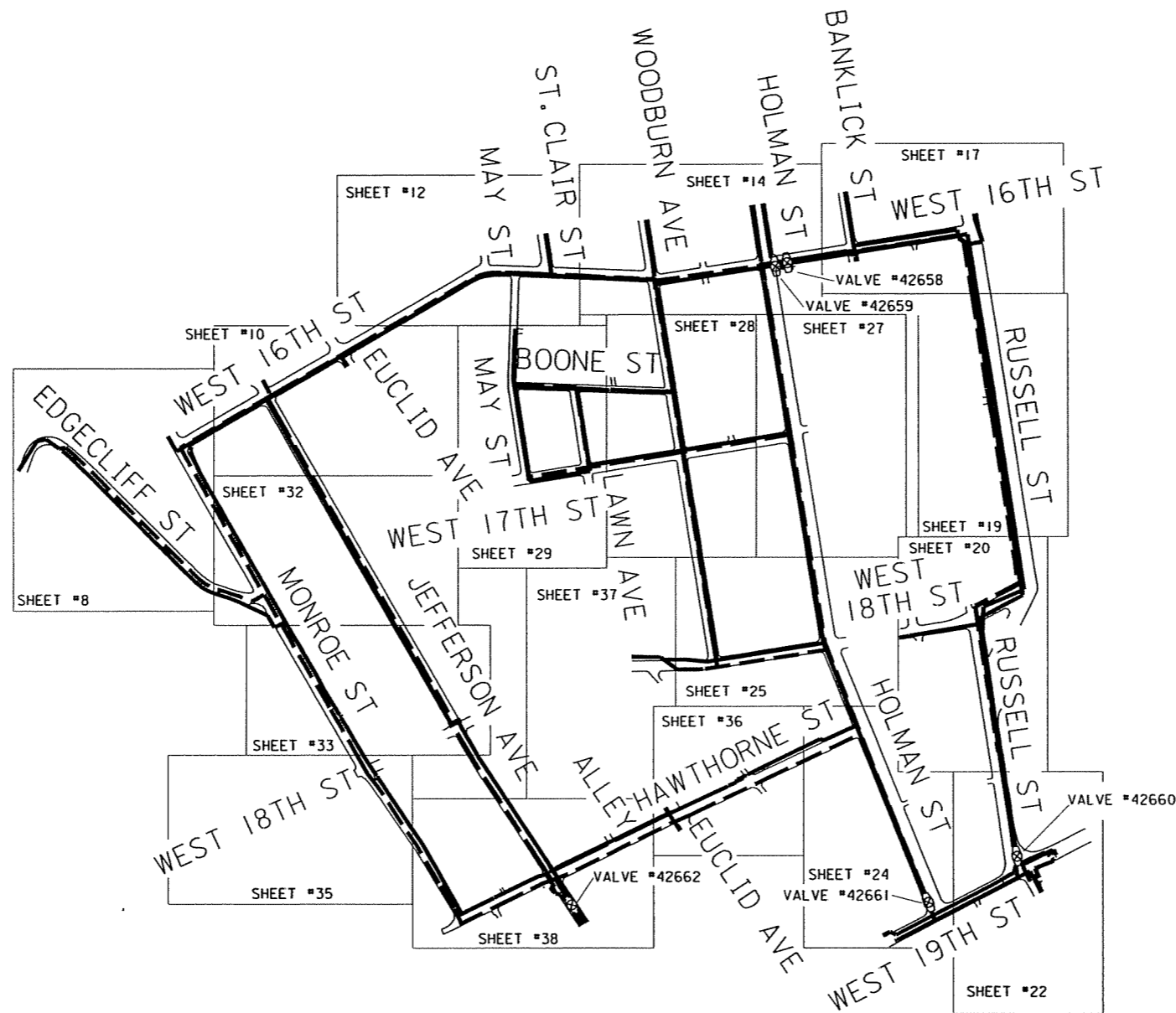
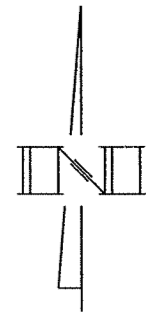
DETAIL "H"  
N.T.S.  
(FROM SHEET 14)

REVISIONS









REVISIONS

SEP.09,04

05-8311-2

** GAS MAIN REPLACEMENT **																
** SERVICE CHECK LIST **																
SUBJECT TO STANDARD FIELD CHECK I																
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	LOC	METER	5'x5'	4'x2'	4'x2'	4'x2'	FILLED	COMMENTS
7	0012405	211	16 th W	1	CU	24	15	EW	IS							SERVED BY 1665 HOLMAN
7	0012496	309	16 th W	1	PS	8	7	EW	IS							
7	0012497	310	16 th W	1 1/4	CU	22	8	EW	IS							
7	0012498	311	16 th W	1	PS	7	3	EW	IS							
7	0012499	313	16 th W	1 1/4	CU	7	1	WE	IS							
7	0012500	315	16 th W	1	PS	7	2	EW	IS							
7	0012501	317	16 th W	1	CU	8	8	EE	IS							
7	0012502	319	16 th W	1 1/4	CU	7	0	WW	IS							
7	0012503	321	16 th W	1 1/4	CU	7	0	EW	IS							
7	0012506	405	16 th W	1 1/4	CU	4	5	EW	IS							
7	0012507	406	16 th W	1 1/2	S	23	6	EW	OS							
7	0012508	408	16 th W	1 1/2	S	23	7	EW	OS							
7	0012509	409	16 th W	1 1/2	S	9	3	EW	IS							
7	0012510	410	16 th W	1 1/2	S	22	3	EW	IS							
7	0012511	411	16 th W	1	PS	8	5	EW	IS							
7	0012512	412	16 th W	1	P7	24	2	EW	IS							
7	0012513	413	16 th W	1	P7	7	5	EW	IS							
7	0012514	414	16 th W	1 1/2	S	23	5	EW	IS							
7	0012515	415	16 th W	1 1/2	S	9	4	EW	IS							
7	0012516	416	16 th W	1 1/4	CU	25	3	EW	IS							
7	0012517	417	16 th W	1	PS	7	3	EW	IS							
7	0012518	418	16 th W	1 1/2	S	23	3	EW	IS							
7	0012519	419	16 th W	1	PS	7	4	EW	IS							
7	0012520	420	16 th W	1	PS	25	3	EW	IS							
7	0012521	421	16 th W	1	PS	8	7	EW	IS							
7	0012522	422	16 th W	1	PS	25	4	EW	IS							
7	0012523	423	16 th W	1	PS	8	8	EW	IS							
7	0012524	424	16 th W	1	PS	24	4	EW	IS							
7	0012526	426	16 th W	1	PS	24	1	WE	IS							
7	0012528	428	16 th W	1	PS	27	4	EW	OS							
7	0012530	431	16 th W	1	PS	5	3	EW	IS							
7	0012532	504	16 th W	1	P7	24	3	WE	IS							
7	0012533	508	16 th W	1 1/4	CU	28	1	EE	IS							
7	0012534	507	16 th W	1	PS	8	2	EE	OS							
7	0012535	508	16 th W	1 1/4	CU	25	5	WE	IS							
7	0012536	511	16 th W	1	PS	7	5	EW	OS							
7	0012492	NWC	16 th W	2	S	28	0	?								DISCONNECTED
7	0012204	321	17 th W	1	PS	24	3	EW	IS							
7	0012205	322	17 th W	1 1/2	S	7	5	EW	OS							

** GAS MAIN REPLACEMENT **																
** SERVICE CHECK LIST **																
SUBJECT TO STANDARD FIELD CHECK I																
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	LOC	METER	5'x5'	4'x2'	4'x2'	4'x2'	FILLED	COMMENTS
7	0012206	325	17 th W	1	PS	24	2	EW	IS							
7	0012207	326	17 th W	1 1/2	S	8	10	WE	IS							
7	0012208	327	17 th W	1	PS	24	1	EW	IS							
7	0012209	328	17 th W	1	PS	7	11	WE	IS							
7	0012210	329	17 th W	1	P7	28	10	EW	IS							
7	0012211	330	17 th W	1	P7	6	12	EW	IS							
7	0012212	331	17 th W	1	CU	24	2	EW	IS							
7	0012213	332	17 th W	1 1/4	CU	5	11	WE	IS							
7	0012214	333	17 th W	1	CU	24	3	WE	IS							
7	0012215	334	17 th W	1 1/4	CU	4	11	WE	IS							
7	0012216	335	17 th W	1 1/2	S	7	2	EW	IS							
7	0012217	336	17 th W	1 1/2	S	24	5	EW	IS							
7	0012218	337	17 th W	1	PS	7	2	EW	IS							
7	0012219	338	17 th W	1	PS	24	8	EW	IS							
7	0012220	339	17 th W	1	PS	8	1	EW	OS							
7	0012221	341	17 th W	1 1/2	S	7	9	EW	IS							
7	0012222	342	17 th W	1 1/2	S	24	6	EW	IS							
7	0012223	343	17 th W	1	P7	7	3	WE	IS							
7	0012224	344	17 th W	1 1/2	S	24	13	EW	IS							
7	0003400	201	18 th W	1	PS	8	8	EW	IS							
7	0003401	202	18 th W	1	PS	28	1	WW	IS							
7	0003402	203	18 th W	1 1/4	CU	7	1	WE	IS							
7	0003403	204	18 th W	1 1/2	S	21	2	EW	IS							
7	0003404	205	18 th W	1 1/2	S	9	1	WE	IS							
7	0003406	209	18 th W	1	PS	8	7	EW	IS							
7	0003497	211	18 th W	1 1/4	PS	7	4	EE	IS							
7	0003499	311	18 th W	1 1/2	S	23	1	EE	IS							
7	0003500	315	18 th W	1	PS	23	2	EE	IS							
7	0003501	317	18 th W	1 1/2	S	23	3	EW	IS							
7	0003502	319	18 th W	1 1/2	S	30	1	EE	IS							
7	0003503	321	18 th W	1	PS	30	1	EW	IS							
7	0003504	323	18 th W	1	PS	30	6	WE	IS							
7	0372803	1565	BANKLICK				10	WE	IS							SERVED BY 1847 HOLMAN
7	0001845	300	BOONE	1 1/4	CU	20	1	WW	IS							
7	0001846	301	BOONE	1	PS	6	1	EW	IS							
7	0001847	302	BOONE	1	PS	16	1	WW	IS							
7	0001848	303	BOONE	1 1/4	CU	5	2	EW	IS							
7	0001849	304	BOONE	1 1/4	CU	17	1	EW	IS							
7	0001850	305	BOONE	1 1/4	CU	4	2	EW	IS							

** GAS MAIN REPLACEMENT **																
** SERVICE CHECK LIST **																
SUBJECT TO STANDARD FIELD CHECK I																
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	LOC	METER	5'x5'	4'x2'	4'x2'	4'x2'	FILLED	COMMENTS
7	0006882	1711	HOLMAN	1	P7	7	7	NS	IS							
7	0006883	1713	HOLMAN	1	PS	8	10	NS	IS							
7	0006884	1714	HOLMAN	1	PS	38	8	NS	IS							
7	0006885	1715	HOLMAN	1 1/2	S	7	3	SN	IS							
7	0006886	1716	HOLMAN	1	P7	38	2	SN	IS							
7	0006887	1717	HOLMAN	1 1/2	S	7	3	SN	IS							
7	0006888	1718	HOLMAN	1 1/4	S	34	6	SN	IS							
7	0006889	1719	HOLMAN	1	PS	8	3	SN	IS							
7	0006890	1720	HOLMAN	1	P7	36	19	NS	IS							
7	0006891	1721	HOLMAN	1	PS	7	3	SN	IS							
7	0006892	1722	HOLMAN	1 1/2	S	34	3	SN	IS							
7	0006893	1723	HOLMAN	1 1/2	S	6	6	SN	IS							
7	0006894	1724	HOLMAN	1 1/2	S	34	4	SN	IS							
7	0006897	1725	HOLMAN	1 1/2	S	9	34	SN</								

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, LOC, METER, 5'x5', 4'x2', 4'x2', 4'x2', FILLED, COMMENTS. Includes header information: \*\* GAS MAIN REPLACEMENT \*\*, \*\* SERVICE CHECK LIST \*\*, SUBJECT TO STANDARD FIELD CHECK.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, LOC, METER, 5'x5', 4'x2', 4'x2', 4'x2', FILLED, COMMENTS. Includes header information: \*\* GAS MAIN REPLACEMENT \*\*, \*\* SERVICE CHECK LIST \*\*, SUBJECT TO STANDARD FIELD CHECK.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, LOC, METER, 5'x5', 4'x2', 4'x2', 4'x2', FILLED, COMMENTS. Includes header information: \*\* GAS MAIN REPLACEMENT \*\*, \*\* SERVICE CHECK LIST \*\*, SUBJECT TO STANDARD FIELD CHECK.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, LOC, METER, 5'x5', 4'x2', 4'x2', 4'x2', FILLED, COMMENTS. Includes header information: \*\* GAS MAIN REPLACEMENT \*\*, \*\* SERVICE CHECK LIST \*\*, SUBJECT TO STANDARD FIELD CHECK.

Table with columns: CO#, ID#, HSE#, STREET NAME, SIZE, KIND, LENGTH, DIST, DIR, LOC, METER, 5'x5', 4'x2', 4'x2', 4'x2', FILLED, COMMENTS. Includes header information: \*\* GAS MAIN REPLACEMENT \*\*, \*\* SERVICE CHECK LIST \*\*, SUBJECT TO STANDARD FIELD CHECK.

REVISIONS

SEP.09,04

** GAS MAIN REPLACEMENT **																
** SERVICE CHECK LIST **																
SUBJECT TO STANDARD FIELD CHECK 1																
														JCF		
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	METER	LOC	5' x 5'	4' x 2'	4' x 2'	4' x 2'	FILLED	COMMENTS
7	0011366	1827	RUSSELL	1	P7	31	11	SN	IS							
7	0011367	1829	RUSSELL	1	P5	27	10	NS	IS							
7	0011368	1831	RUSSELL	1 1/2	S	31	9	SN	IS							
7	0011369	1833	RUSSELL	1 1/2	S	31	9	NS	IS							
7	0011370	1835	RUSSELL	1	P7	26	8	SN	IS							
7	0011371	1837	RUSSELL	1	P7	27	9	SN	IS							
7	0011372	1839	RUSSELL	1 1/2	S	31	8	NS	IS							
7	0011076	1840	RUSSELL	2	SPC	10	28	NS	?							
7	0011373	1841	RUSSELL	1	P5	36										DISCONNECTED
7	0015766	1563	W OODBURN	1	P7	23	2	EW	IS							
7	0015769	1601	W OODBURN	1	P5	7	13	WE	IS							
7	0015726	1622	W OODBURN	1 1/4	CU	9	2	NS	IS							
7	0015728	1624	W OODBURN	1	P5	8	0	SN	IS							
7	0015727	1626	W OODBURN	1	CU	7	8	NS	IS							
7	0015728	1628	W OODBURN	1 1/4	CU	9	1	NS	IS							
7	0015729	1630	W OODBURN	1	P5	10	1	NS	OS							
7	0015730	1632	W OODBURN	1 1/4	SPC	7	17	WE	IS							
7	0015731	1702	W OODBURN	1 1/2	S	23	2	WE	IS							
7	0015732	1704	W OODBURN	1	P5	7	10	SN	IS							
7	0015733	1705	W OODBURN	1	P5	22	9	NS	IS							
7	0015734	1706	W OODBURN	1	P5	8	9	NS	IS							
7	0015735	1707	W OODBURN	1	P5	23	1	SN	IS							
7	0015736	1709	W OODBURN	1 1/2	S	22	10	NS	IS							
7	0015737	1710	W OODBURN	1	P5	6	9	NS	IS							
7	0015738	1711	W OODBURN	1 1/2	S	22	3	SN	IS							
7	0015739	1712	W OODBURN	1	P7	23	4	SN	IS							
7	0015740	1713	W OODBURN	1	P7	24	9	NS	IS							
7	0015741	1714	W OODBURN	1	P7	5	0	SN	IS							
7	0015742	1715	W OODBURN	1	P5	23	8	NS	OS							
7	0015743	1716	W OODBURN	1 1/4	P5	7	12	SN	IS							
7	0015744	1717	W OODBURN	1	P5	23	2	NS	IS							
7	0015745	1718	W OODBURN	1/2	S	8	9	SN	IS							
7	0015746	1719	W OODBURN	1	P5	24	3	SN	IS							
7	0015747	1721	W OODBURN	1	P5	24	0	SN	IS							
7	0015748	1722	W OODBURN	1	P5	6	3	SN	IS							
7	0015749	1723	W OODBURN	1	P5	22	2	SN	IS							
7	0015750	1725	W OODBURN	1 1/2	S	22	13	SN	IS							
7	0015751	1727	W OODBURN	1	P5	23	12	SN	IS							
7	0015752	1729	W OODBURN	1	P5	24	11	SN	IS							
7	0015753	1731	W OODBURN	1	P5	32	10	NS	IS							

** GAS MAIN REPLACEMENT **																
** SERVICE CHECK LIST **																
SUBJECT TO STANDARD FIELD CHECK 1																
														JCF		
CO#	ID#	HSE#	STREET NAME	SIZE	KIND	LENGTH	DIST	DIR	METER	LOC	5' x 5'	4' x 2'	4' x 2'	4' x 2'	FILLED	COMMENTS
7	0015754	1735	W OODBURN	1	P5	23	2	SN	IS							

MAIN MATERIAL LIST

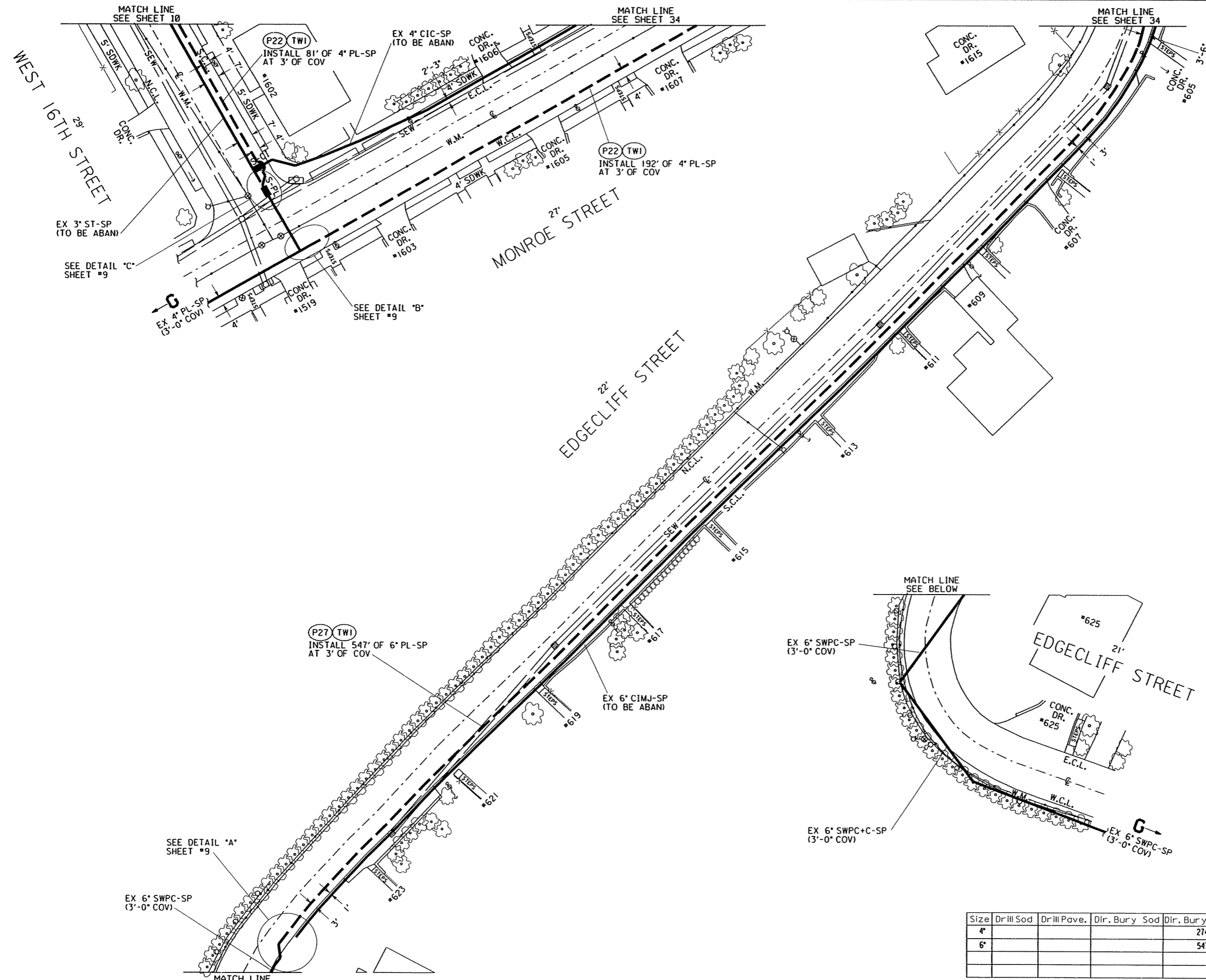
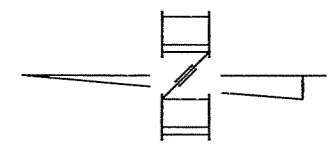
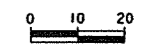
ITEM	DESCRIPTION	STOCK NO.	EST	ACTUAL
ZPLVA	1" CTS STAB COUPLING	0050090652	2	
	RECT. VALVE BOX ASSEMBLY	0050057269	1	
	1" - 90 DEG.CTS STAB ELL	0000520567	2	
	2" PLASTIC VALVE #77313237 80"	0050088488	1	
	3/4" BRASS PLUG	0050056872	2	
	3/4" BRASS BALL VALVE ASSEMBLY	0050057241	2	
	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	2	
	2" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093853	2	
	VALVE BOX W/ BASE	0050094842	1	
Z-TE68	2" x 1" ELECTROFUSION TEE	0000903925	8	
Z-TE70	4" IPS x 1" CTS ELECTROFUSION TEE	0050093846	14	
Z-TE71	6" IPS x 1" CTS ELECTROFUSION TEE	0050093842	14	
Z-TE72	8" IPS x 1" CTS ELECTROFUSION TEE	050093841	10	
4PLDR	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	3	
	3/4" BRASS CAP	0050092280	3	
	4" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093846	3	
	1" STAB COUPLING	0050090652	3	
	1" - 90 DEG.CTS STAB ELL	0000520567	3	
	4" x 1" ELECTROFUSION TEE	903923	3	
	ROUND VALVE BOX	0050057322	3	
	ROUND VALVE BOX LID	0050057324	3	
	4" IPS BUTT FUSION CAP	0050057347	3	
	4" IPS BUTT FUSION TEE	0050057867	3	
4PLVA	3/4" BRASS PLUG	0050056872	2	
	RECT. VALVE BOX ASSEMBLY	0050057269	1	
	1" - 90 DEG.CTS STAB ELL	0000520567	2	
	4" PLASTIC VALVE #77313252 80"	0050088490	1	
	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	2	
	4" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093846	2	
	VALVE BOX W/ BASE	0050094844	1	
	1" CTS STAB COUPLING	0050090652	2	
	3/4" BRASS BALL VALVE ASSEMBLY,	0050057241	2	
	4" x 1" ELECTROFUSION TEE	903923	2	
6PLDR	ROUND VALVE BOX	0050057322	5	
	3/4" BRASS CAP	0050092280	5	
	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	5	
	ROUND VALVE BOX LID	0050057324	5	
	6" IPS BUTT FUSION TEE	0050088411	5	
	6" x 1" ELECTROFUSION TEE	903927	5	
	6" IPS BUTT FUSION CAP	0050088404	5	
	6" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093842	5	
	1" - 90 DEG.CTS STAB ELL	0000520567	5	
	1" STAB COUPLING	0050090652	5	
8-B04	3/4" x 3 1/2" MACHINE BOLTS W/ NUTS	0050057307	16	
	3/4" x 3 1/2" MACHINE BOLTS W/ NUTS	0050057307	16	
8PLDR	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	1	
	8" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093841	1	
	8" IPS BUTT FUSION CAP	0050092510	1	
	8" IPS BUTT FUSION TEE	0050092512	1	
	1" STAB COUPLING	0050090652	1	
	ROUND VALVE BOX LID	0050057324	1	
	1" - 90 DEG.CTS STAB ELL	0000520567	1	
	3/4" BRASS CAP	0050092280	1	
	ROUND VALVE BOX	0050057322	1	
	8" x 1" ELECTROFUSION TEE	903928	2	
8PLVA	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	4	
	1" - 90 DEG.CTS STAB ELL	0000520567	4	
	8" PLASTIC VALVE #82113 64"	0050094331	2	
	3/4" BRASS BALL VALVE ASSEMBLY	0050057241	4	
	8" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093841	4	
	RECT. VALVE BOX ASSEMBLY	0050057269	2	
	VALVE BOX W/ BASE	0050094846	2	
	1" CTS STAB COUPLING	0050090652	4	
	3/4" BRASS PLUG	0050056872	4	
	8" x 1" ELECTROFUSION TEE	903928	4	

MAIN MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST	ACTUAL
AN3	17" GALVOMAG	0050056182	14	
AS1	PLASTIC PRESSURE STEM ASSEMBLY		1	
AS2	STEEL PRESSURE STEM ASSEMBLY		1	
AS3	RECT.VALVE BOX ASSEMBLY	0050057269	1	
B10	TRACER WIRE BOX	0050057326	1	
BAG4	3/4" BI PLUG	0050056893	5	
	3/4" x 4" NIPPLE	0050056732	5	
	1" BI PLUG	0050056900	5	
	2" x 1 1/4" BUSHING	0050056240	5	
	2" BI PLUG	0050056914	5	
	4" x 2" CI SADDLE	0050056985	5	
	1" x 3/4" SYPHON COUPLING	0050057466	5	
BAG6	6" x 2" CI SADDLE	0050057001	8	
	2" BI PLUG	0050056914	8	
	2" x 1 1/2" BUSHING	0050056241	8	
	1" BI PLUG	0050056900	8	
	3/4" BI PLUG	0050056893	8	
	1" x 3/4" SYPHON COUPLING	0050057466	8	
	3/4" x 6" NIPPLE	0050056734	8	
B08	CATHODIC TERMINAL BOX	0050057325	12	
B09	ROUND VALVE BOX LID	0050057324	55	
	ROUND VALVE BOX	0050057322	55	
CA10	6" WELD CAP	0050057340	2	
CA30	6" IPS BUTT FUSION CAP	0050088404	2	
CA31	8" IPS BUTT FUSION CAP	0050092510	1	
CA32	2" IPS PURGE POINT FITTING	0050057593	4	
CO24	6" S x 4" PL REDUCING COUPLING W/ STIFFENER	0050057498	2	
CO29	6" CI-PL COUPLING W/ STIFFENER	0050088412	1	
CO30	6" ELECTROFUSION COUPLING	0050091357	29	
CO33	4" COUPLING #711 S-PL WITH STIFFENER	0050057434	1	
CO34	6" COUPLING #711 S-PL WITH STIFFENER	0050057436	6	
CO39	2" ELECTROFUSION COUPLING	0050057409	12	
CO4	6" COUPLING #38 S-S NON-INS	0050057419	2	
CO41	4" ELECTROFUSION COUPLING	0050057407	50	
CO44	4" CI-PL COUPLING W/ STIFFENER	0050057413	5	
CO47	8" ELECTROFUSION COUPLING	0050092525	30	
CO49	8" COUPLING #711 S-S NON-INS	0050092528	2	
EL37	2" - 90 DEG. IPS BUTT FUSION ELL	0050057553	1	
EL38	4" - 45 DEG. IPS BUTT FUSION ELL	0050057554	16	
EL39	4" - 90 DEG. IPS BUTT FUSION ELL	0050057555	1	
EL43	6" - 45 DEG. IPS BUTT FUSION ELL	0050088405	20	
EL44	6" - 90 DEG. IPS BUTT FUSION ELL	0050088406	2	
EL45	8" - 45 DEG. IPS BUTT FUSION ELL	0050092509	9	
EL46	8" - 90 DEG. IPS BUTT FUSION ELL	0050092511	8	
F6	6" WELD SHORTSTOPP FITTING	0050057584	1	
FL4	6" 150" BLIND FLANGE	0000520133	1	
GA4	6" 150" GASKET	0050057691	1	
GA5	8" 150" GASKET	0050057693	1	
P19	2" PLASTIC PIPE - 500' .216 SDR 11	0050056008	748'	
P22	4" IPS PLASTIC PIPE - 40' .395 SDR 11.5	0050056058	6,422'	
P27	6" IPS PLASTIC PIPE - 40' .491 SDR 13.5	0050088398	7,399'	
P28	8" IPS PLASTIC PIPE - 40' .639 SDR 13.5	0050092508	1,514'	
PURGE6	6" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093842	1	
	1" - 90 DEG. COMPRESSION STREET ELL	0050056502	1	
	3/4" STEEL NIPPLE - 6"	0050056734	1	
	3/4" STEEL NIPPLE - 18"	0050056737	1	
	3/4" IBBC COCK	0050056290	1	
	3/4" SCREW TEE	0050057138	1	
	1" x 3/4" SCREW REDUCER	0050056388	1	
	6" x 1" ELECTROFUSION TEE	903927	1	

MAIN MATERIAL LIST

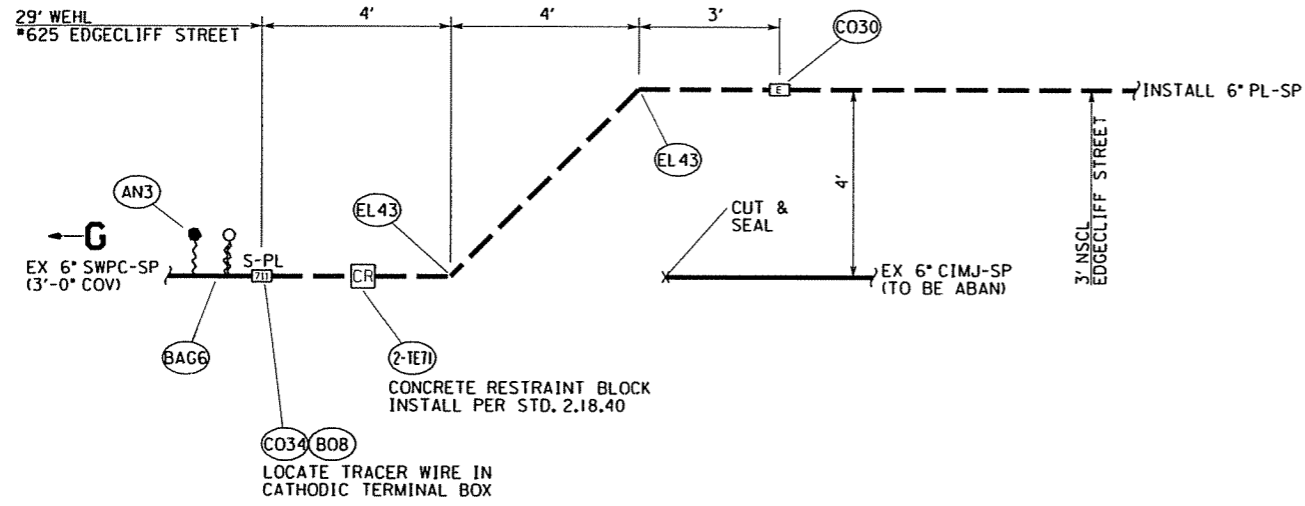
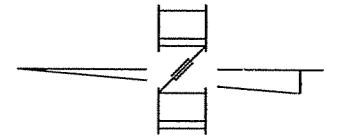
ITEM	DESCRIPTION	STOCK NO.	EST	ACTUAL
RE11	4" IPS x 2" IPS BUTT FUSION REDUCER	0050057758	3	
RE15	6" IPS x 4" IPS BUTT FUSION REDUCER	0050088410	13	
RE18	8" IPS x 6" IPS BUTT FUSION REDUCER	0050092516	11	
SB	TRACER WIRE SPLIT BOLT	0000933615	31	
ST6	4" STIFFENER	0050057855	1	
ST7	6" STIFFENER	0050088413	1	
ST8	8" STIFFENER	0050092527	2	
TE38	2" IPS BUTT FUSION TEE	0050057865	1	
TE39	4" IPS BUTT FUSION TEE	0050057867	10	
TE42	6" IPS BUTT FUSION TEE	0050088411	6	
TE48	8" IPS BUTT FUSION TEE	0050092512	8	
TE63	6" x 6" SDR 13.5 x 2" IPS REDUCING BUTT FUSION BRANCH TEE	0050092518	1	
TE64	8" x 8" SDR 13.5 x 2" IPS REDUCING BUTT FUSION BRANCH TEE	0050092519	1	
TE65	8" x 8" SDR 13.5 x 4" IPS REDUCING BUTT FUSION BRANCH TEE	0050092520	1	
TE66	8" x 8" SDR 13.5 x 6" IPS REDUCING BUTT FUSION BRANCH TEE	0050092521	3	
TE7	2" 3-WAY TEE	0050057869	1	
TE72	8" x 1" ELECTROFUSION TEE	0000903928	1	
TF1	2" PL-S TRANSITION FITTING	0050057594	1	
TF10	8" PL-S FLANGED TRANSITION FITTING	0050092951	1	
TH17	12" x 3/4" THREDOLET	0050057193	1	
TWI	TRACER WIRE	0050079028	33,092'	
VA53	8" KERO VALVE #IF2WL W x F .322 WALL 275"	0050057966	1	
WE9	12" x 8" REDUCING BUTT WELDOLET	0050058140	1	
WAXC	COLD WAX TRENTON GREY COAT	0050086637	10	
WAXH	HOT WAX TRENTON INNER COAT	0050086635	2	
WAXI	WAX IMPREGNATED PLASTIC (TRENTON GUARD WRAP)	0050058162	33	
WAXP	WAX PRIMER TRENTON PRIME COAT	0050085819	3	
AT	AQUA SEAL TAPE	667667	2	
BT	1" ROLL BLACK TAPE	0050086501	53	
TAPE	3/4" ROLL TAPE	0050066551	10	
CAN	CAN OF FOAM	0050092405	74	
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	



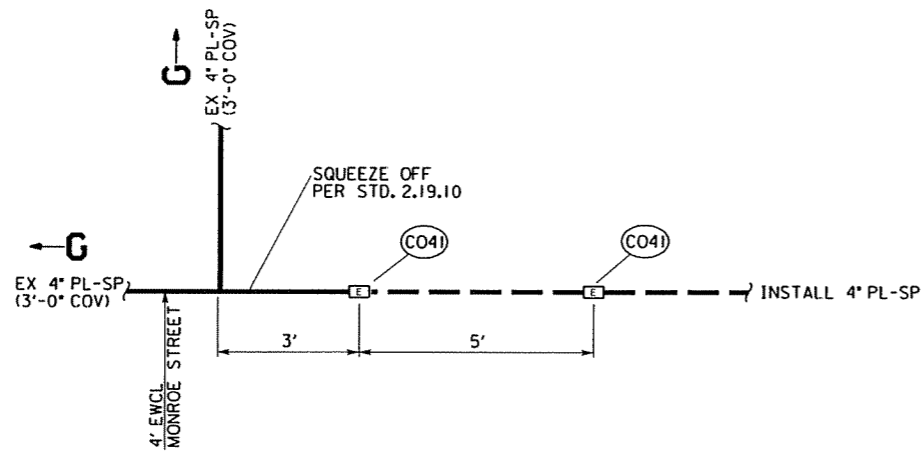
REVISIONS

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				274'	
6"				547'	

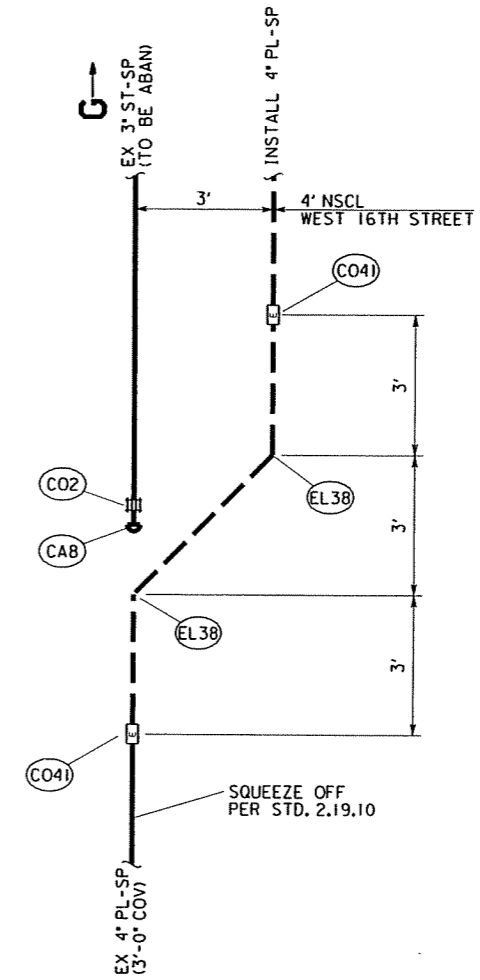
SEP.09,04



**DETAIL "A"**  
N.T.S.  
FROM SHEET 8



**DETAIL "B"**  
N.T.S.  
FROM SHEET 8

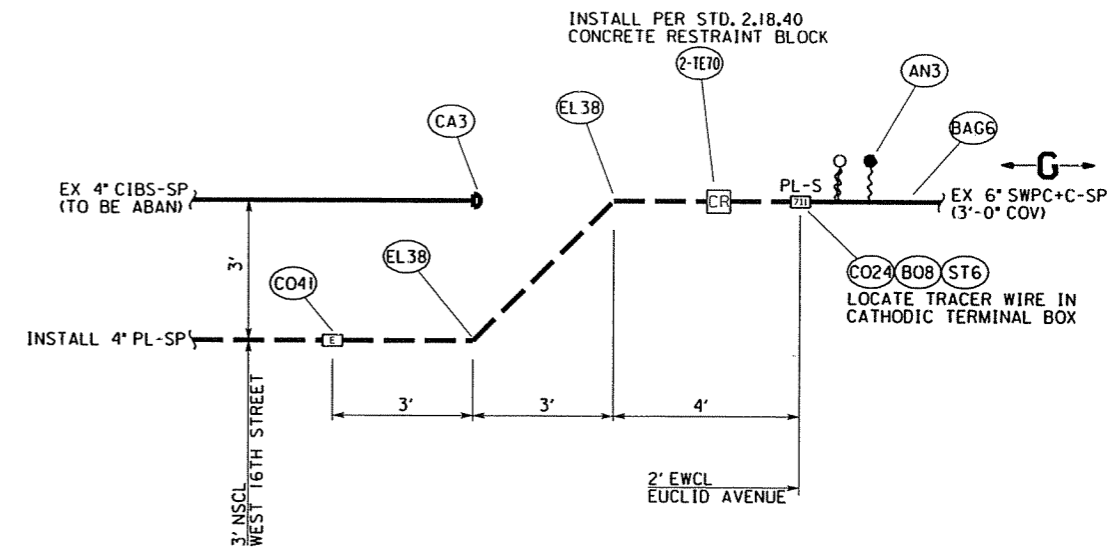
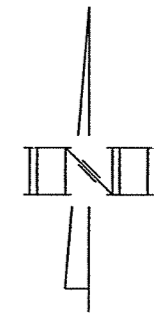
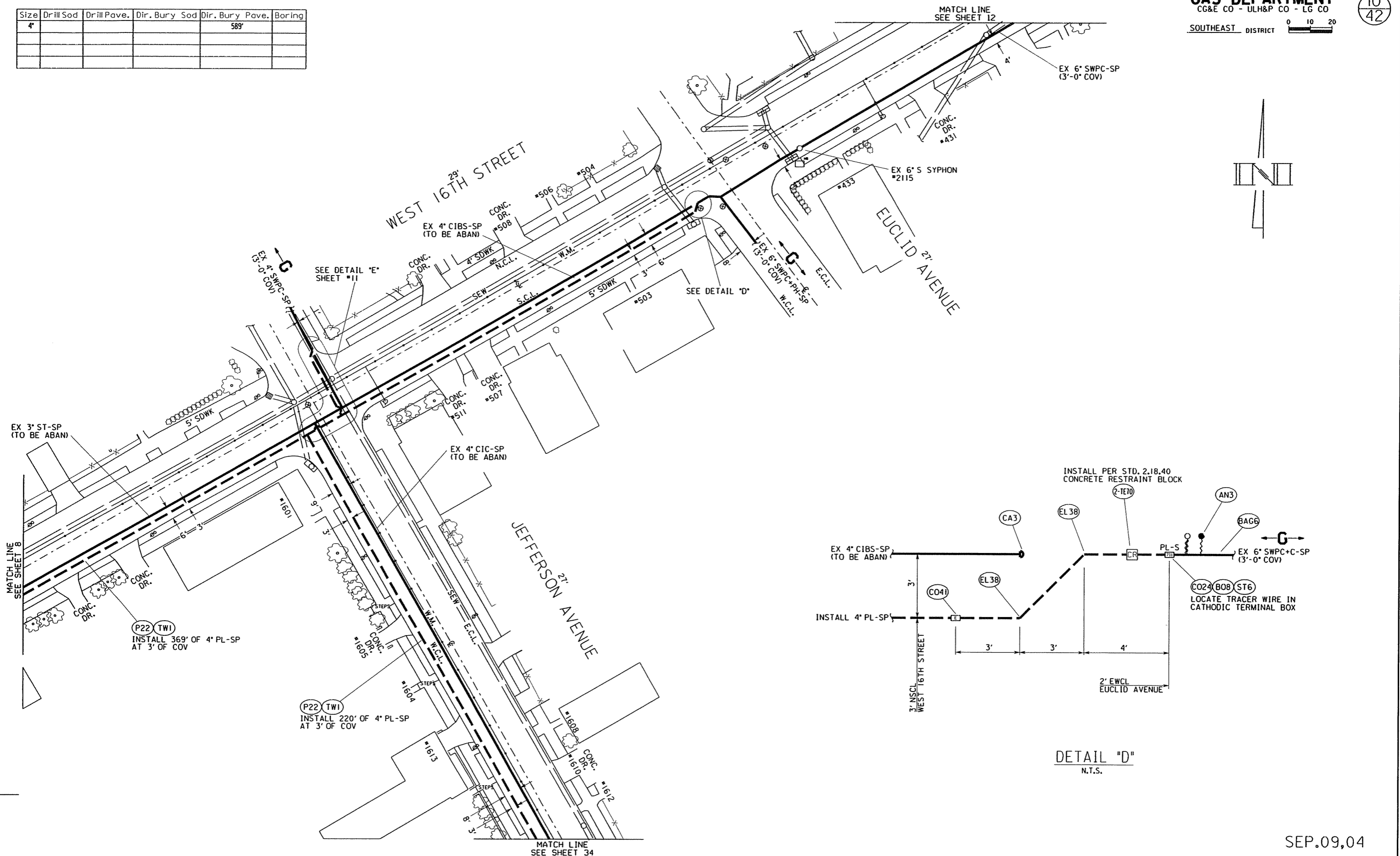


**DETAIL "C"**  
N.T.S.  
FROM SHEET 8

REVISIONS

SEP.09,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				589"	



**DETAIL "D"**  
N.T.S.

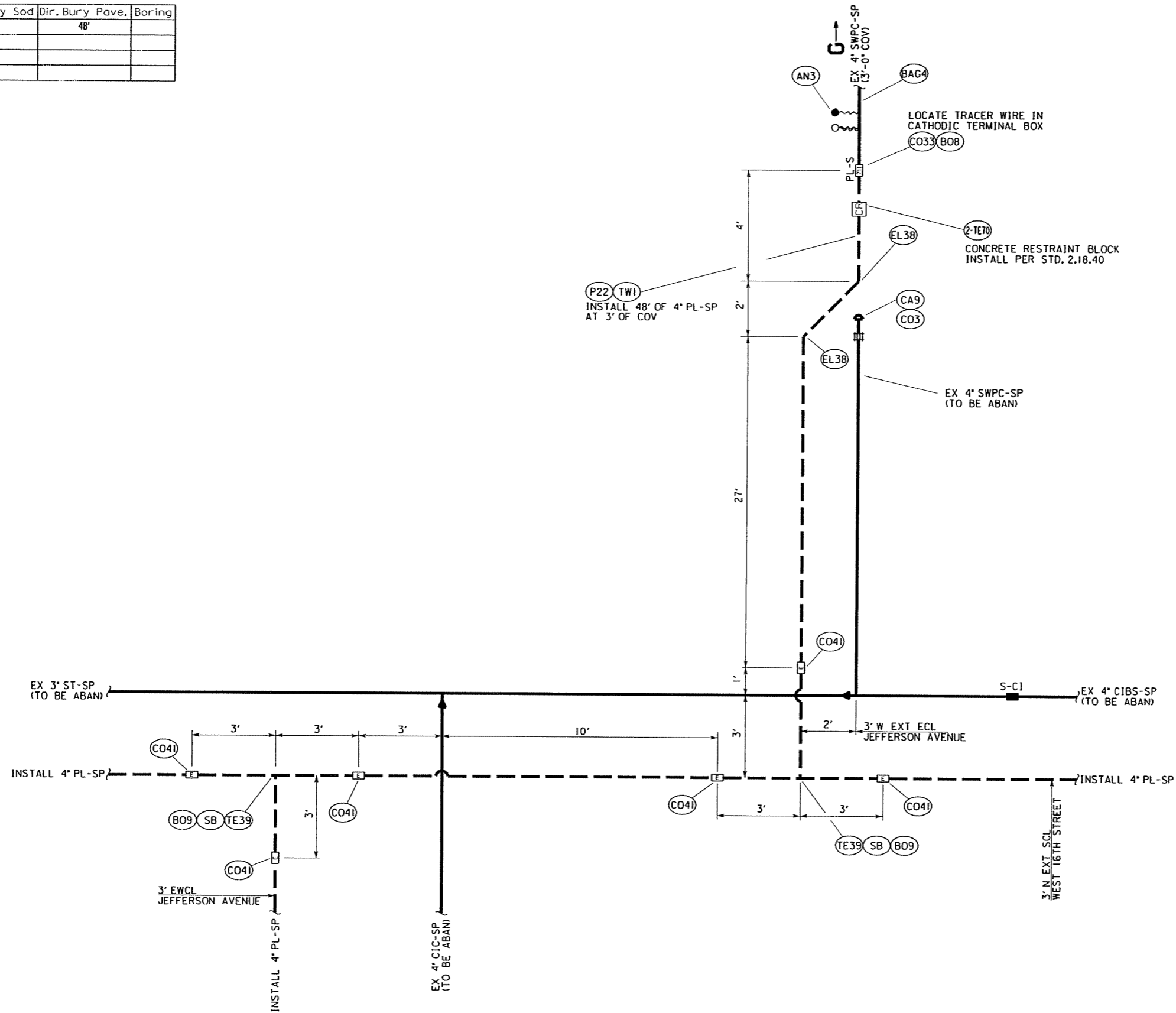
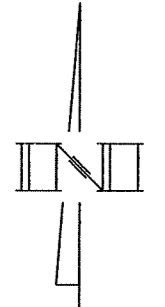
REVISIONS

SEP.09,04

05-8311-2



Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				48"	



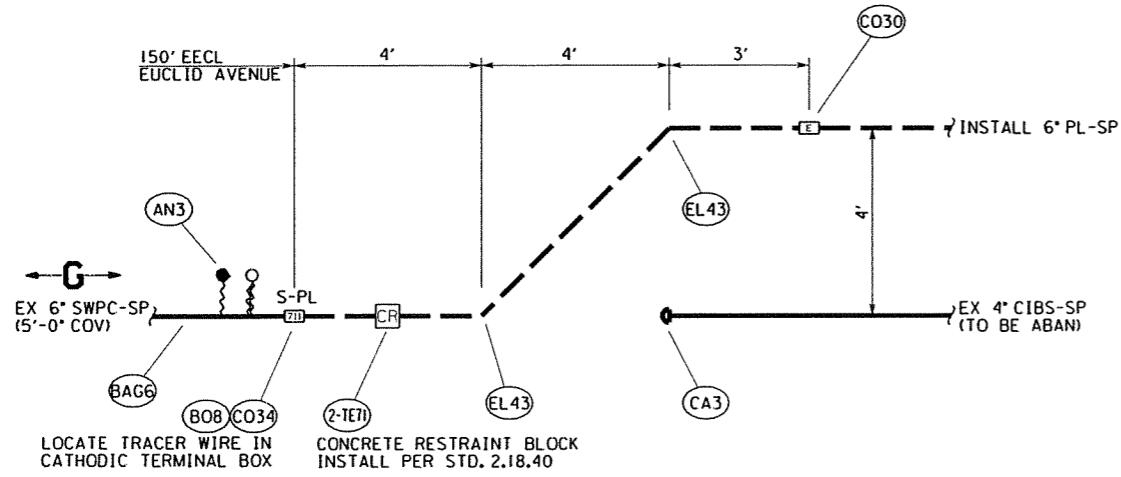
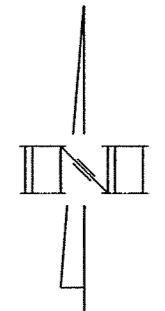
**DETAIL "E"**

N.T.S.  
FROM SHEET 10

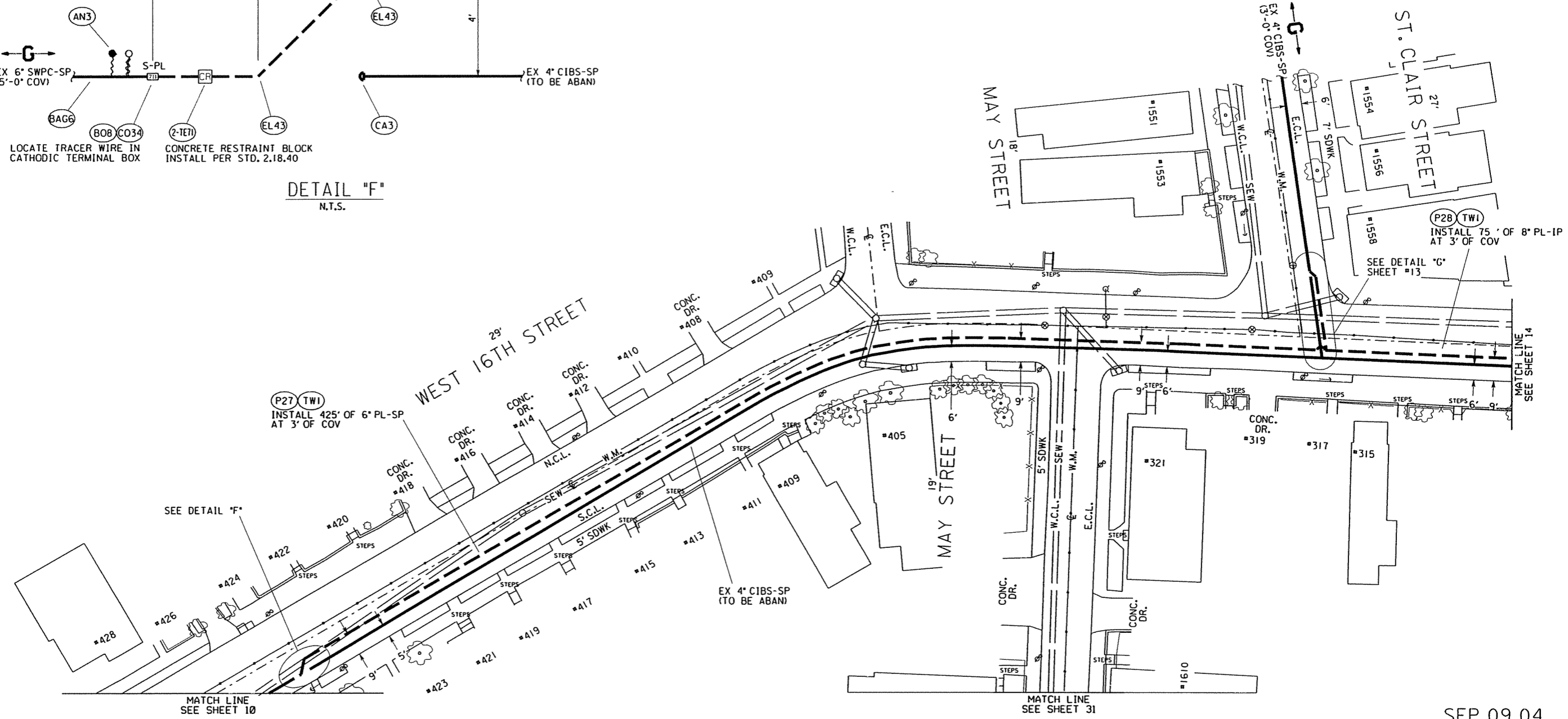
SEP.09,04

REVISIONS

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"				425'	
8"				75'	



**DETAIL "F"**  
N.T.S.

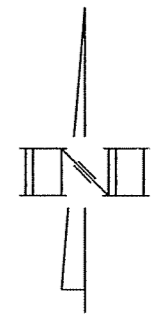
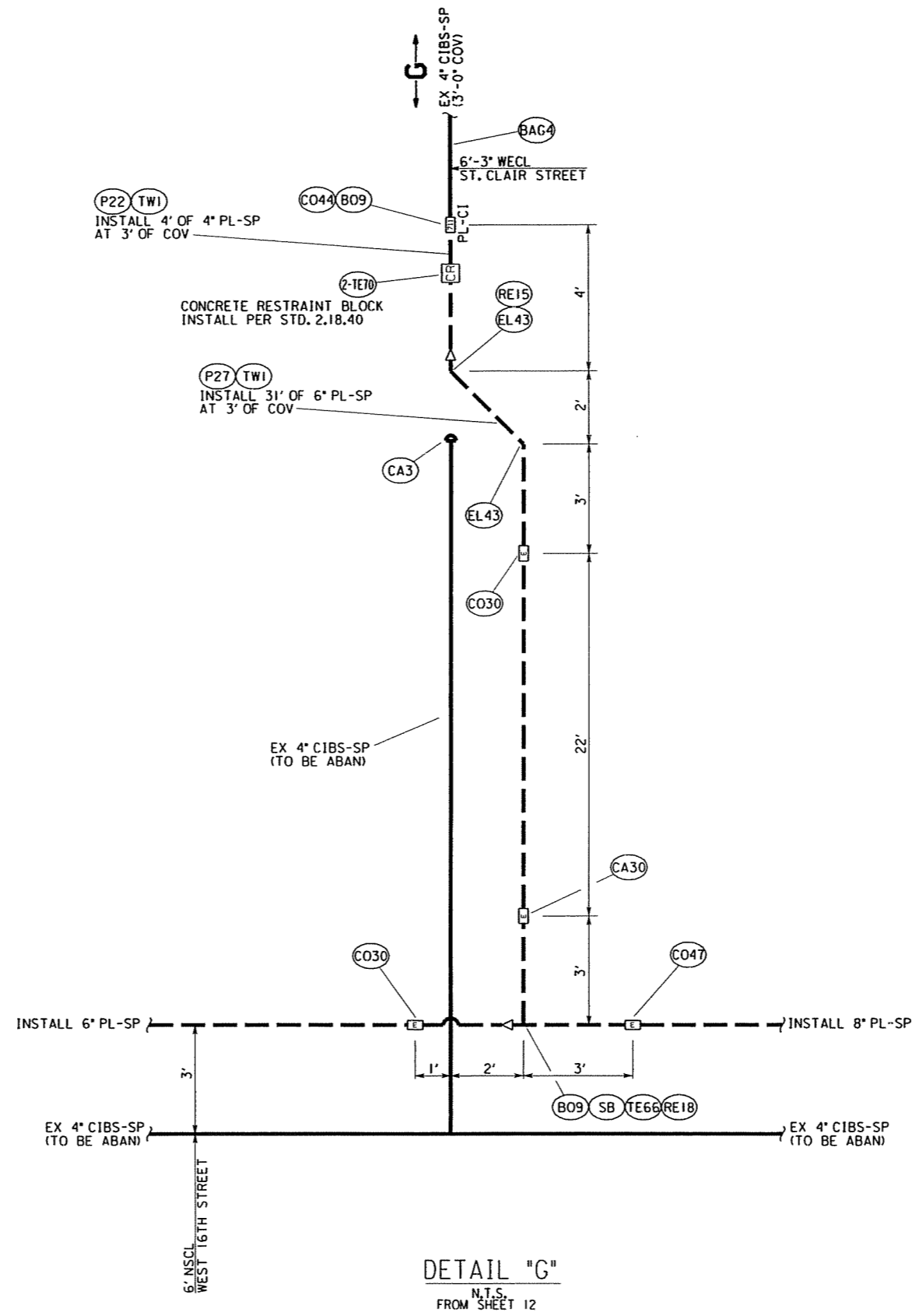


REVISIONS

SEP.09,04

05-8311-2

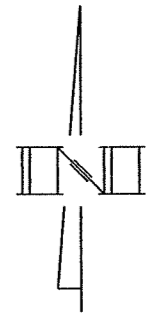
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				4"	
6"				31"	



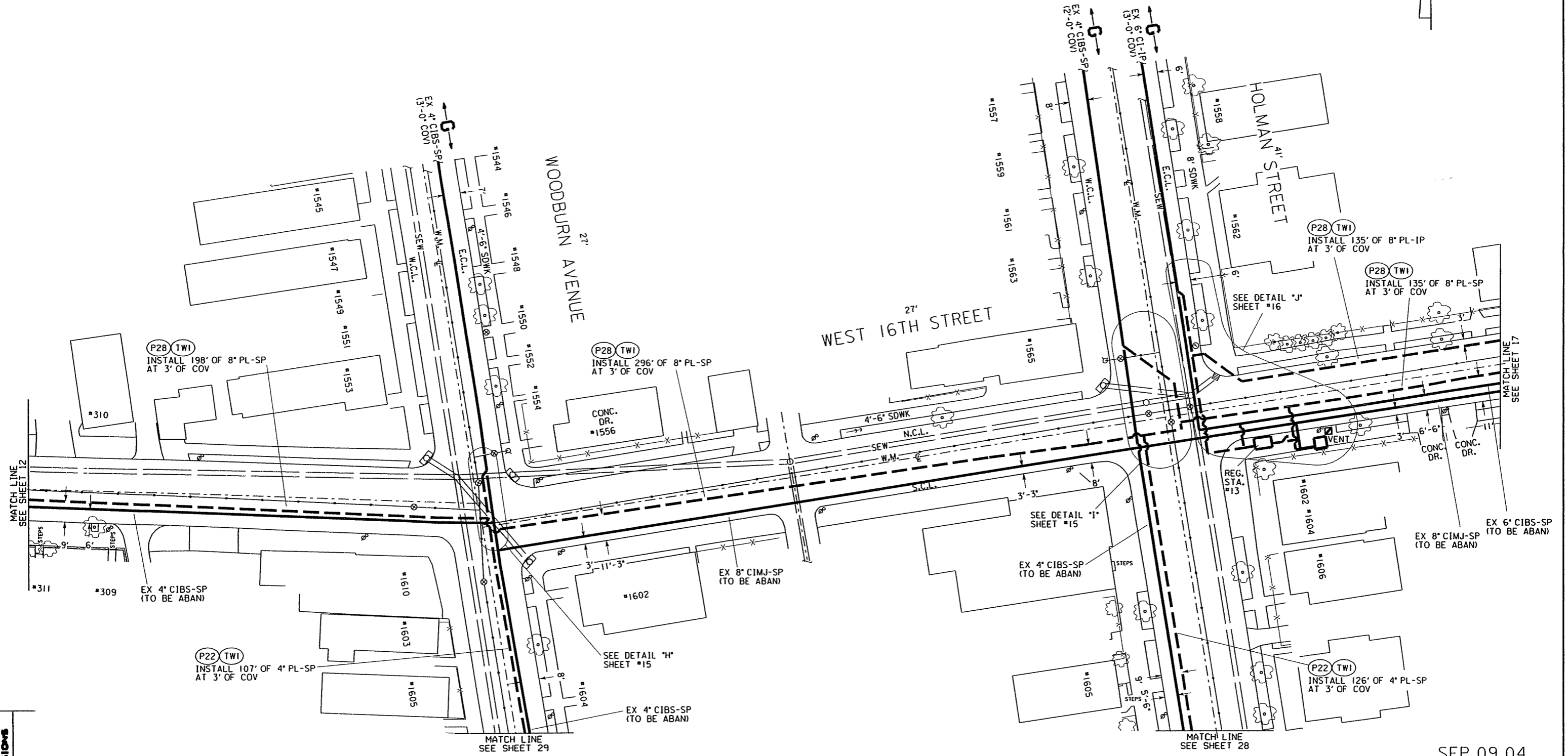
REVISIONS

SEP.09,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"					233'
8"					764'



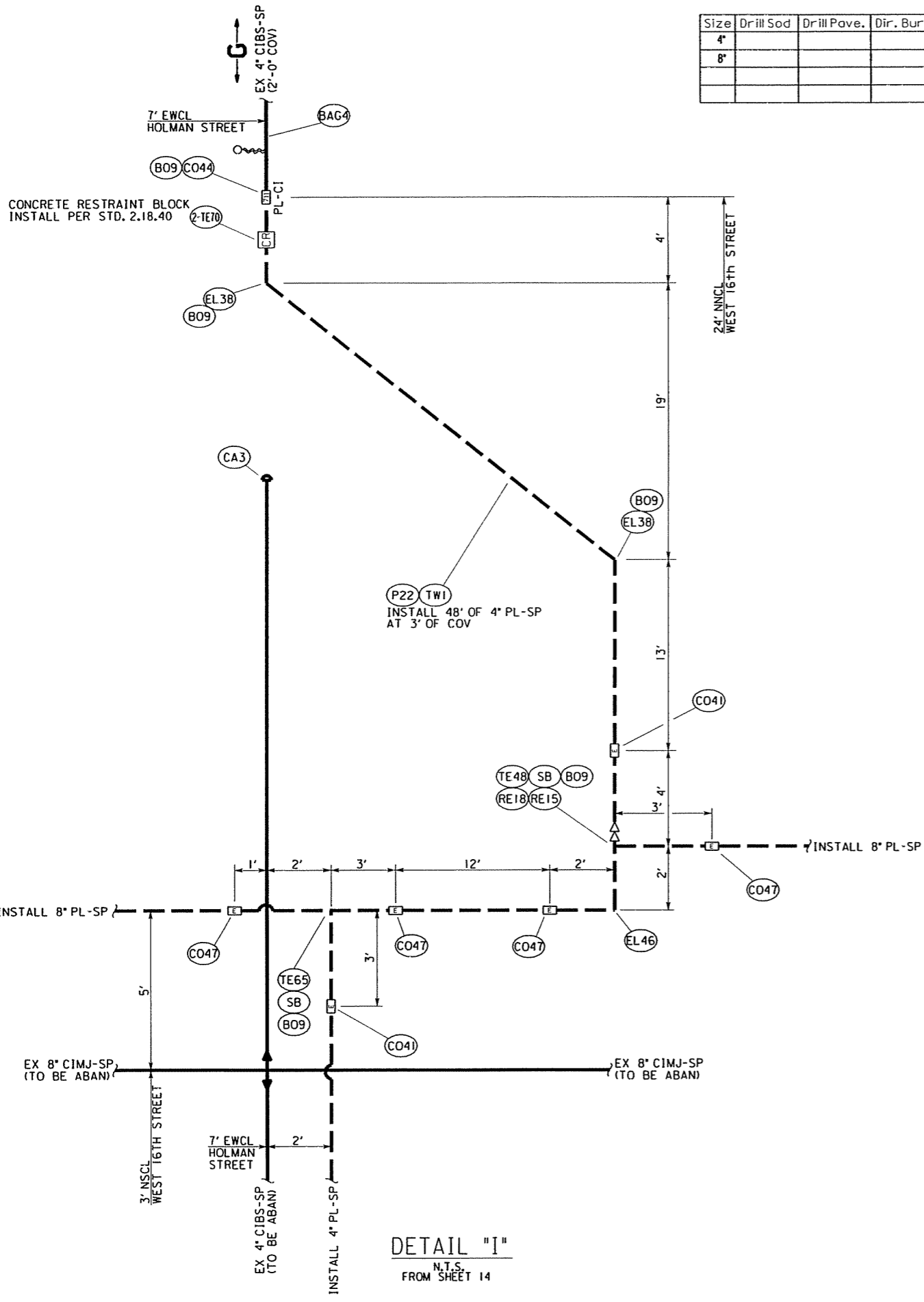
NOTE: CONVERT SP GAS SERVICES TO IP PRESSURE ON WEST 16TH STREET EAST OF HOLMAN STREET AND TIE-OVER TO NEW 8" IP GAS MAIN.



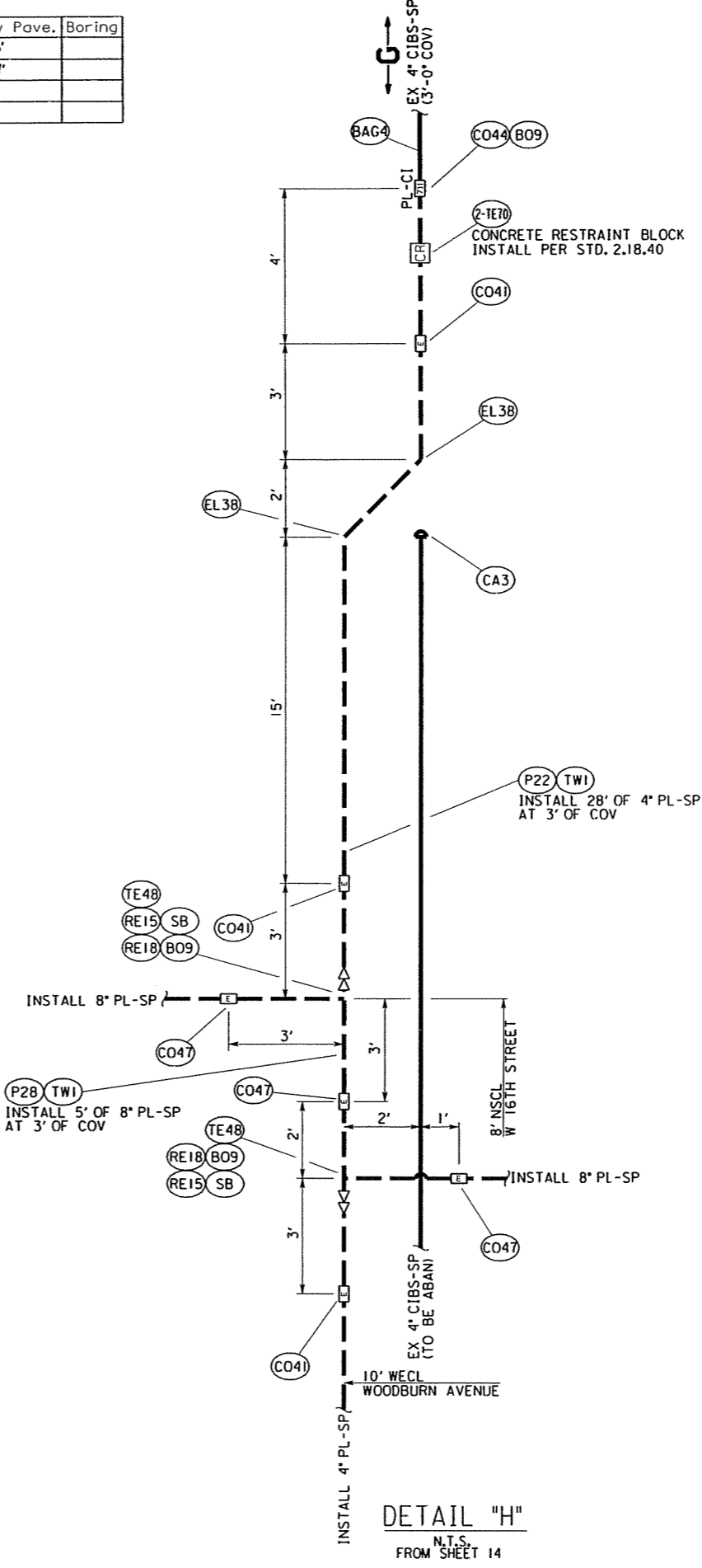
REVISIONS

SEP.09,04

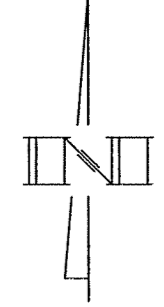
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				76"	
8"				7'	



DETAIL "I"  
N.T.S.  
FROM SHEET 14



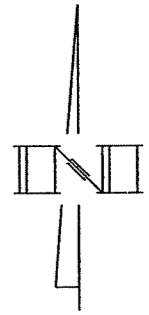
DETAIL "H"  
N.T.S.  
FROM SHEET 14



REVISIONS

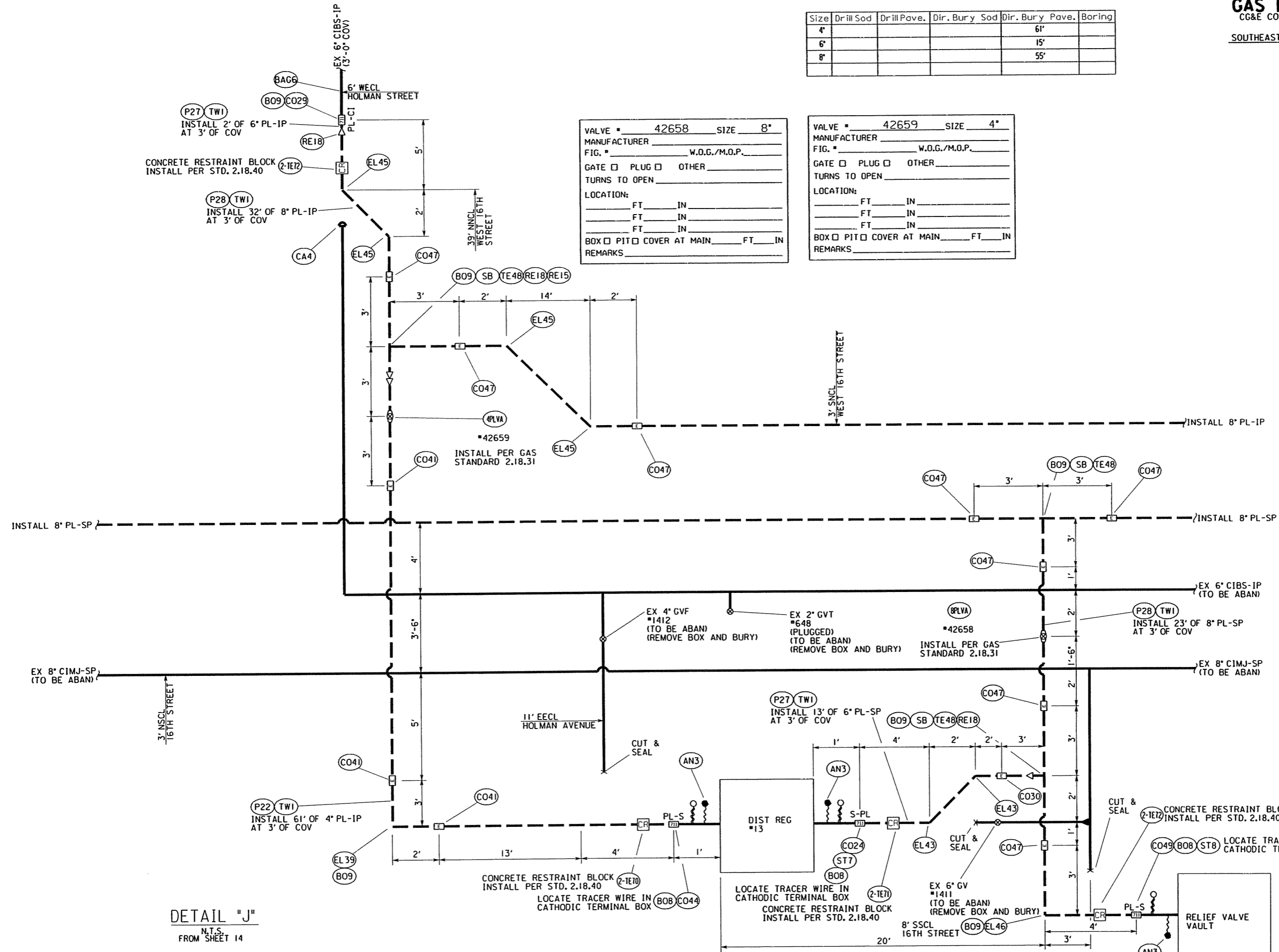
SEP.09,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				6"	
6"				15"	
8"				55"	



VALVE # 42658 SIZE 8"  
 MANUFACTURER \_\_\_\_\_  
 FIG. # \_\_\_\_\_ W.O.G./M.O.P. \_\_\_\_\_  
 GATE  PLUG  OTHER \_\_\_\_\_  
 TURNS TO OPEN \_\_\_\_\_  
 LOCATION:  
 \_\_\_\_\_ FT \_\_\_\_\_ IN  
 \_\_\_\_\_ FT \_\_\_\_\_ IN  
 \_\_\_\_\_ FT \_\_\_\_\_ IN  
 BOX  PIT  COVER AT MAIN \_\_\_\_\_ FT \_\_\_\_\_ IN  
 REMARKS \_\_\_\_\_

VALVE # 42659 SIZE 4"  
 MANUFACTURER \_\_\_\_\_  
 FIG. # \_\_\_\_\_ W.O.G./M.O.P. \_\_\_\_\_  
 GATE  PLUG  OTHER \_\_\_\_\_  
 TURNS TO OPEN \_\_\_\_\_  
 LOCATION:  
 \_\_\_\_\_ FT \_\_\_\_\_ IN  
 \_\_\_\_\_ FT \_\_\_\_\_ IN  
 \_\_\_\_\_ FT \_\_\_\_\_ IN  
 BOX  PIT  COVER AT MAIN \_\_\_\_\_ FT \_\_\_\_\_ IN  
 REMARKS \_\_\_\_\_



**DETAIL "J"**  
N.T.S.  
FROM SHEET 14

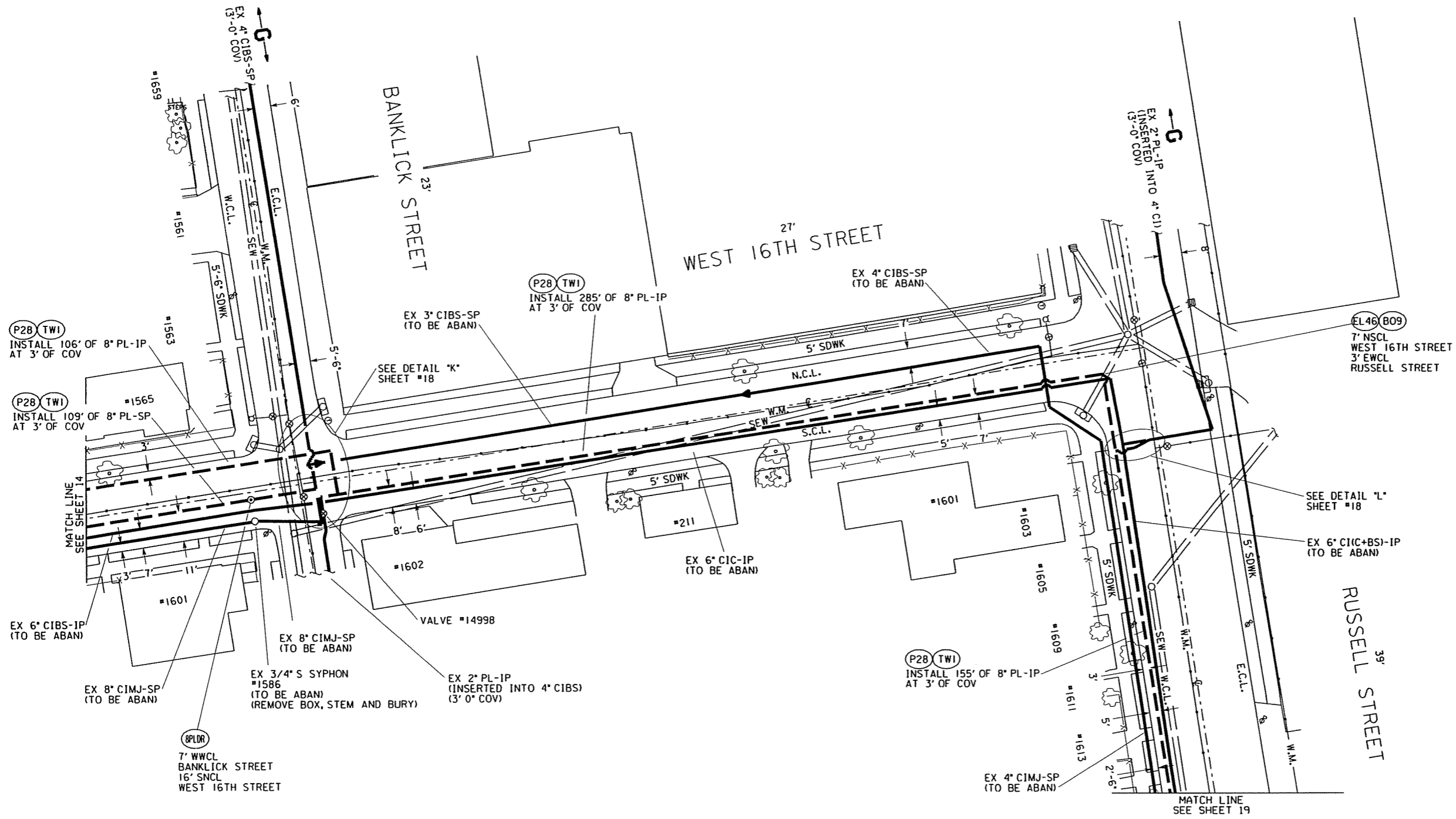
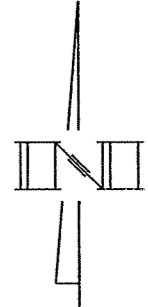
SEP.09,04

05-8311-2

REVISIONS

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
8"				655'	

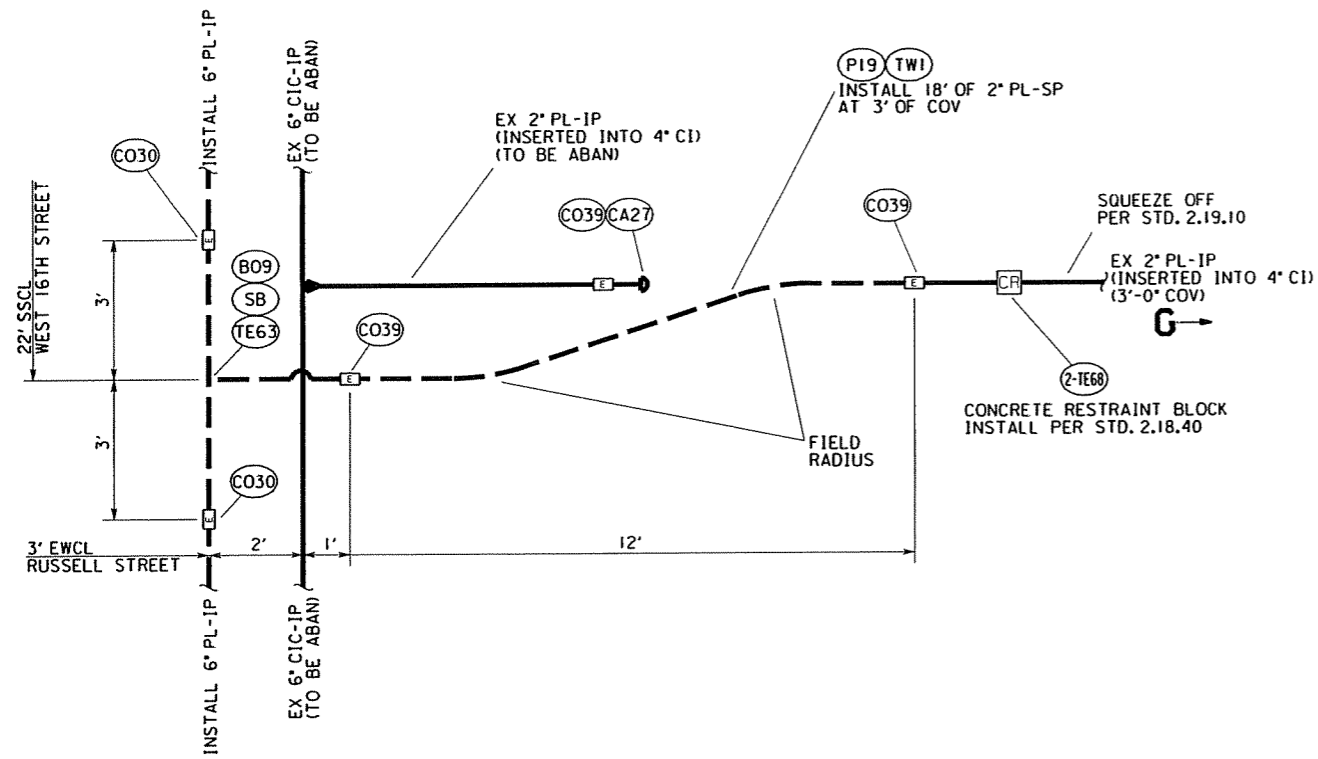
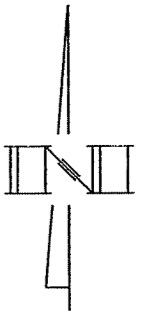
NOTE: CONVERT SP GAS SERVICES TO IP PRESSURE ON WEST 16TH STREET AND RUSSELL STREET AND TIE OVER TO NEW 8" IP GAS MAIN.



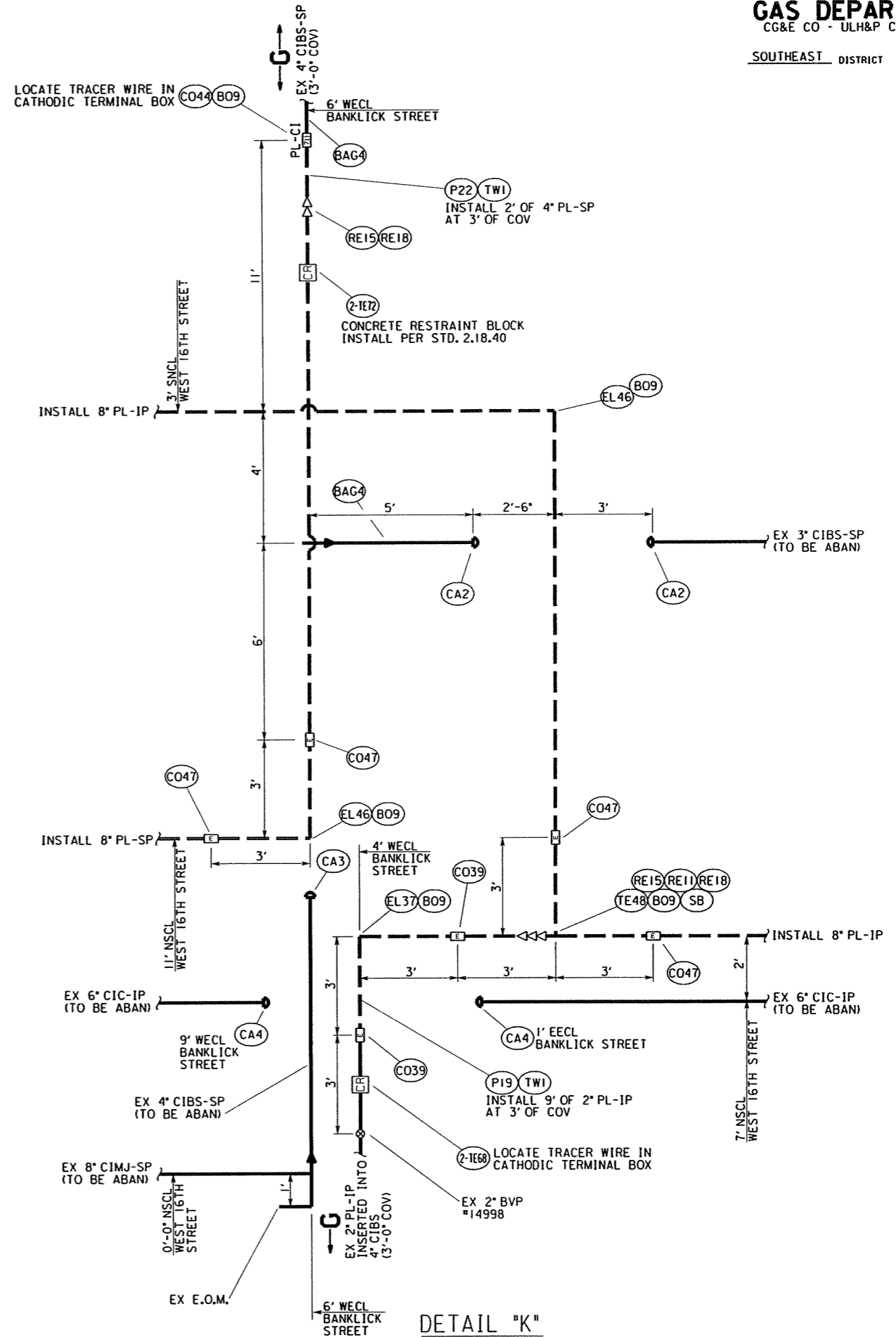
REVISIONS

SEP.09,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
2"				18'	
2" IP				9'	
4"				2'	



DETAIL "L"  
N.T.S.  
FROM SHEET 17



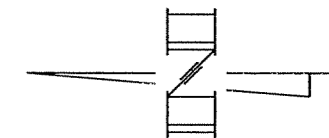
DETAIL "K"  
N.T.S.  
FROM SHEET 17

SEP.09,04

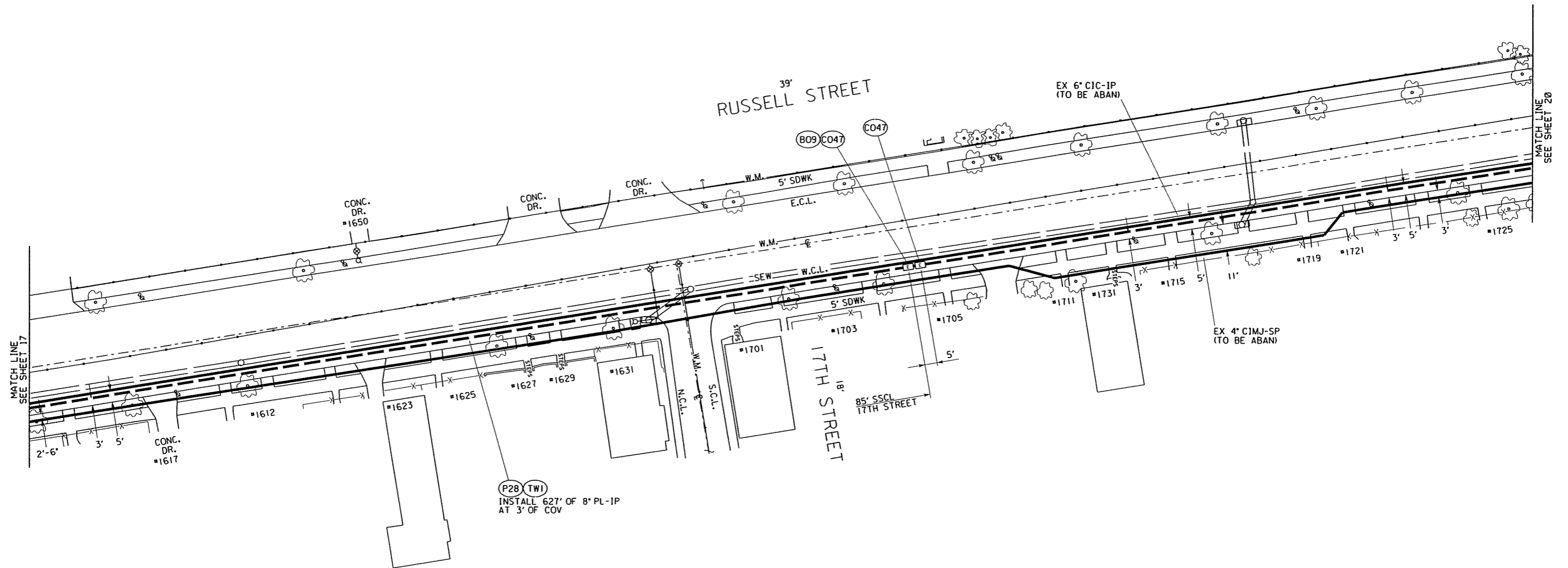
REVISIONS



Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
8"				627'	



NOTE: CONVERT SP GAS MAIN AND / OR SERVICES TO IP PRESSURE. TIE OVER TO NEW 8" IP MAIN.



(P28 TW1)  
INSTALL 627' OF 8" PL-IP  
AT 3' OF COV

MATCH LINE  
SEE SHEET 17

MATCH LINE  
SEE SHEET 20

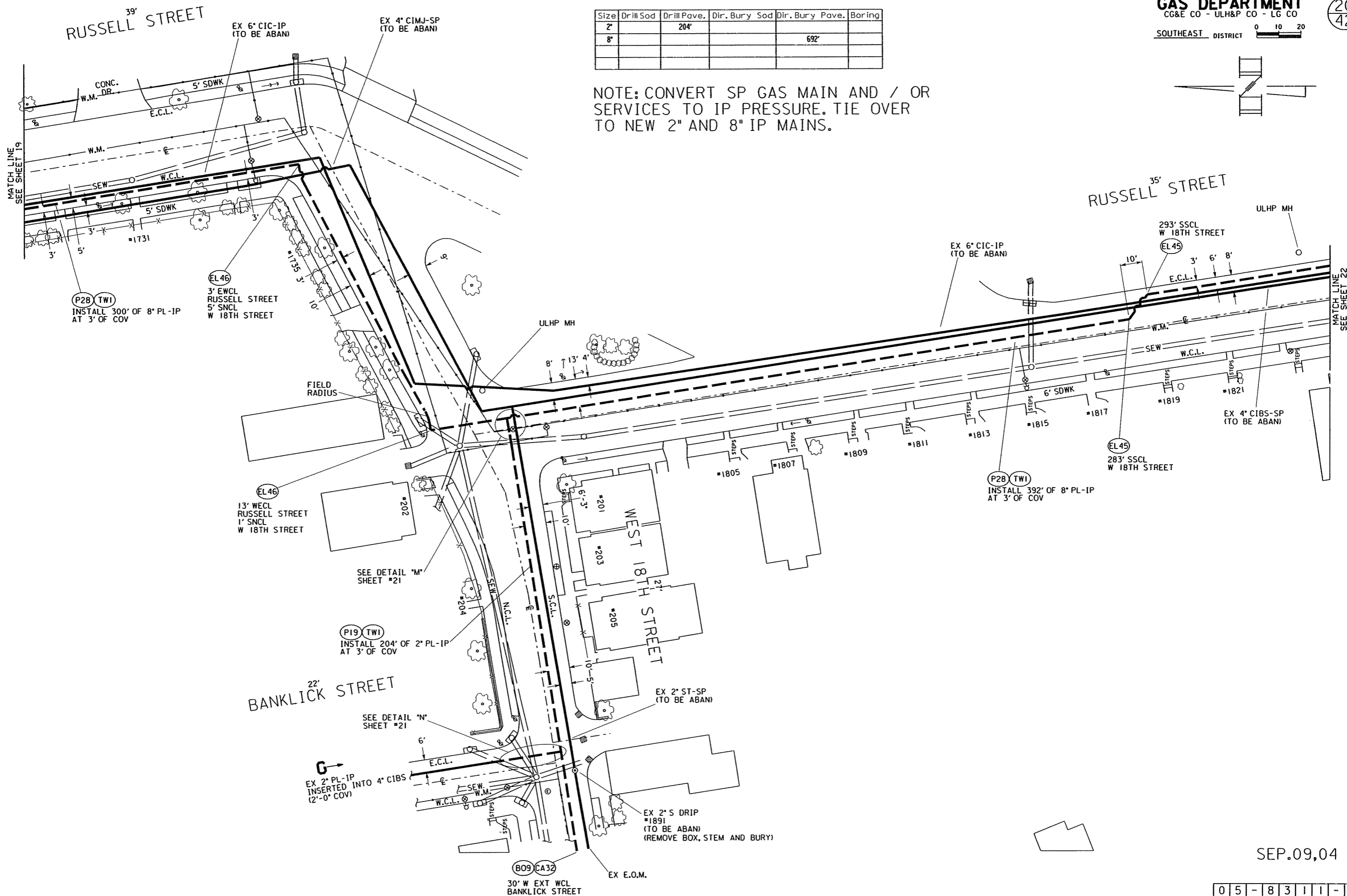
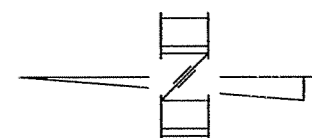
REVISIONS

SEP.09,04

05-8311-2

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
2"		204'			
8"				692'	

NOTE: CONVERT SP GAS MAIN AND / OR SERVICES TO IP PRESSURE. TIE OVER TO NEW 2" AND 8" IP MAINS.



(P28 TW1)  
INSTALL 300' OF 8" PL-IP  
AT 3' OF COV

(EL46)  
3' EWCL  
RUSSELL STREET  
5' SNCL  
W 18TH STREET

(EL46)  
13' WECL  
RUSSELL STREET  
1' SNCL  
W 18TH STREET

(P19 TW1)  
INSTALL 204' OF 2" PL-IP  
AT 3' OF COV

(P28 TW1)  
INSTALL 392' OF 8" PL-IP  
AT 3' OF COV

(G)  
EX 2" PL-IP  
INSERTED INTO 4" CIBS  
(2'-0" COV)

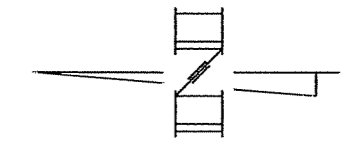
EX 2" S DRIP  
#1891  
(TO BE ABAN)  
(REMOVE BOX, STEM AND BURY)

(B09 CA32)  
30" W EXT WCL  
BANKLICK STREET

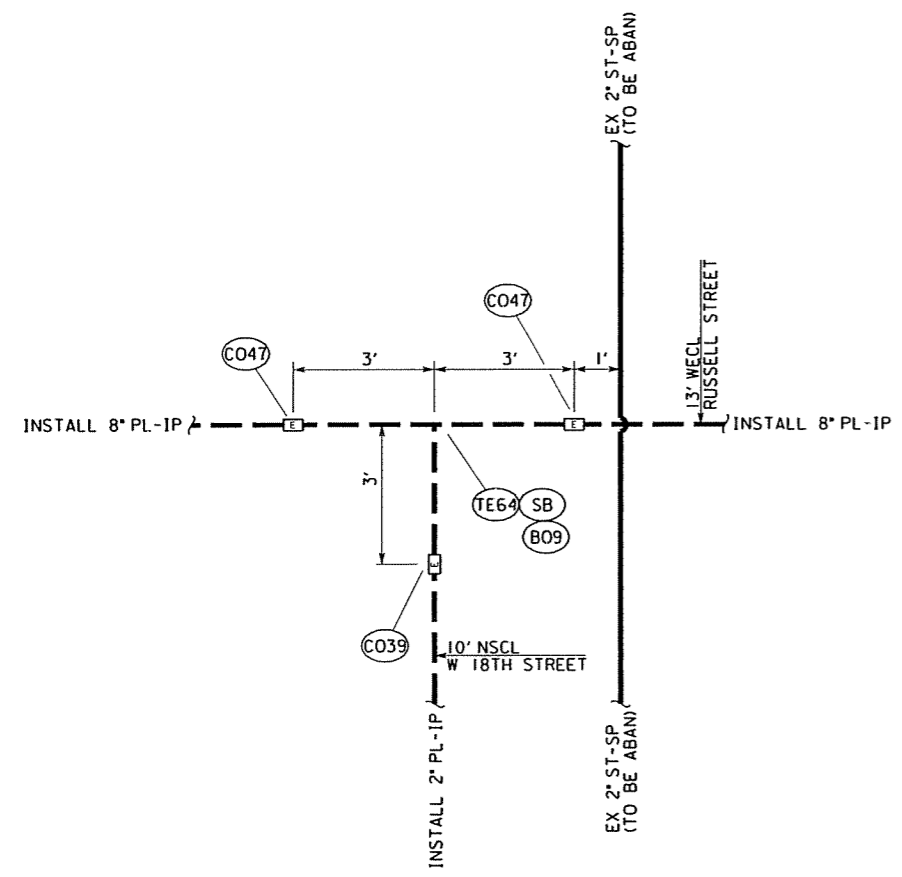
SEP.09,04

05-8311-2

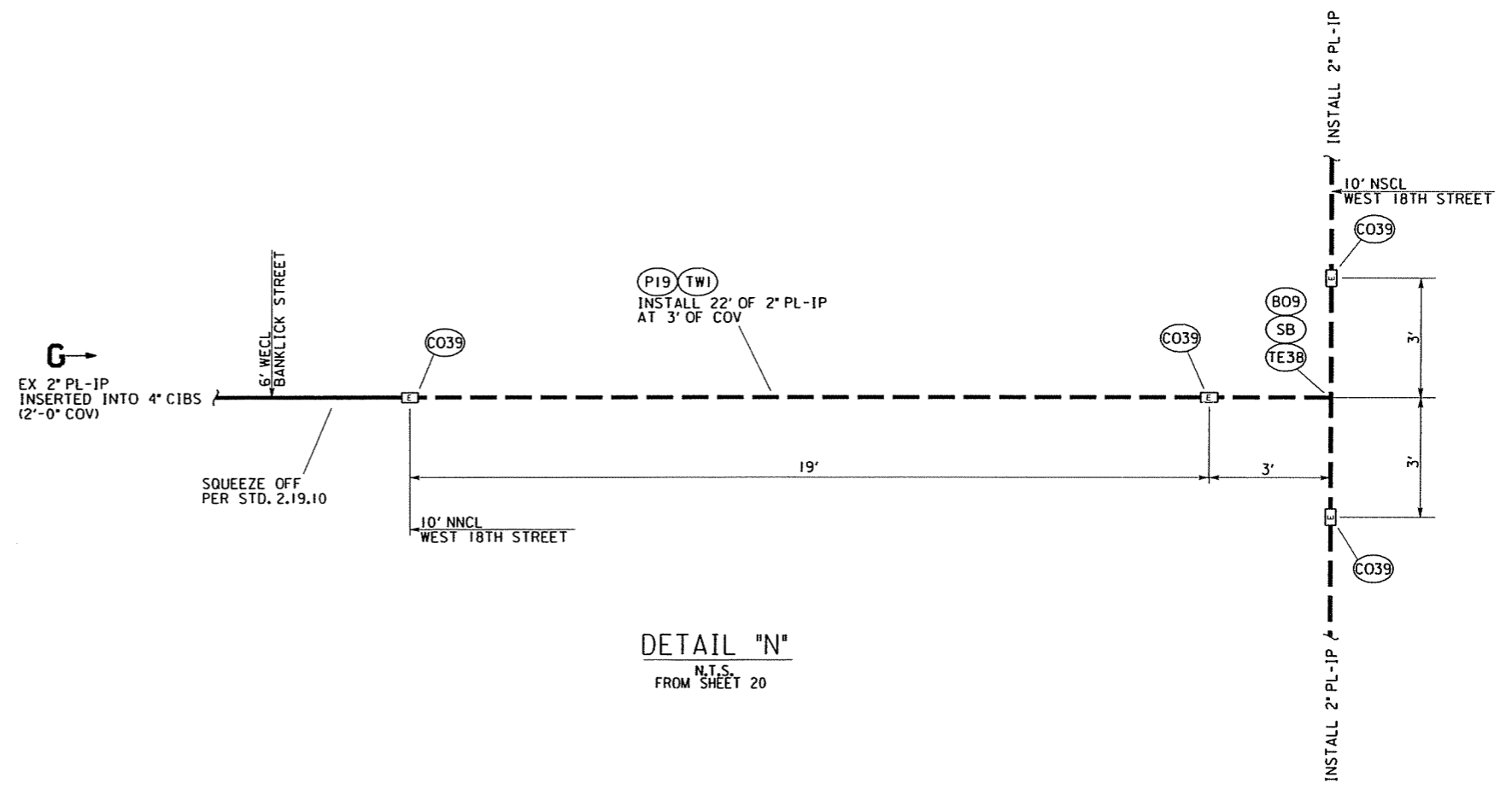
REVISIONS



Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
2"		22"			



**DETAIL "M"**  
 N.T.S.  
 FROM SHEET 20



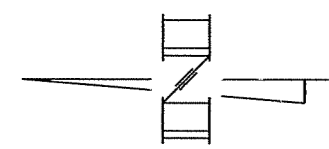
**DETAIL "N"**  
 N.T.S.  
 FROM SHEET 20

REVISIONS

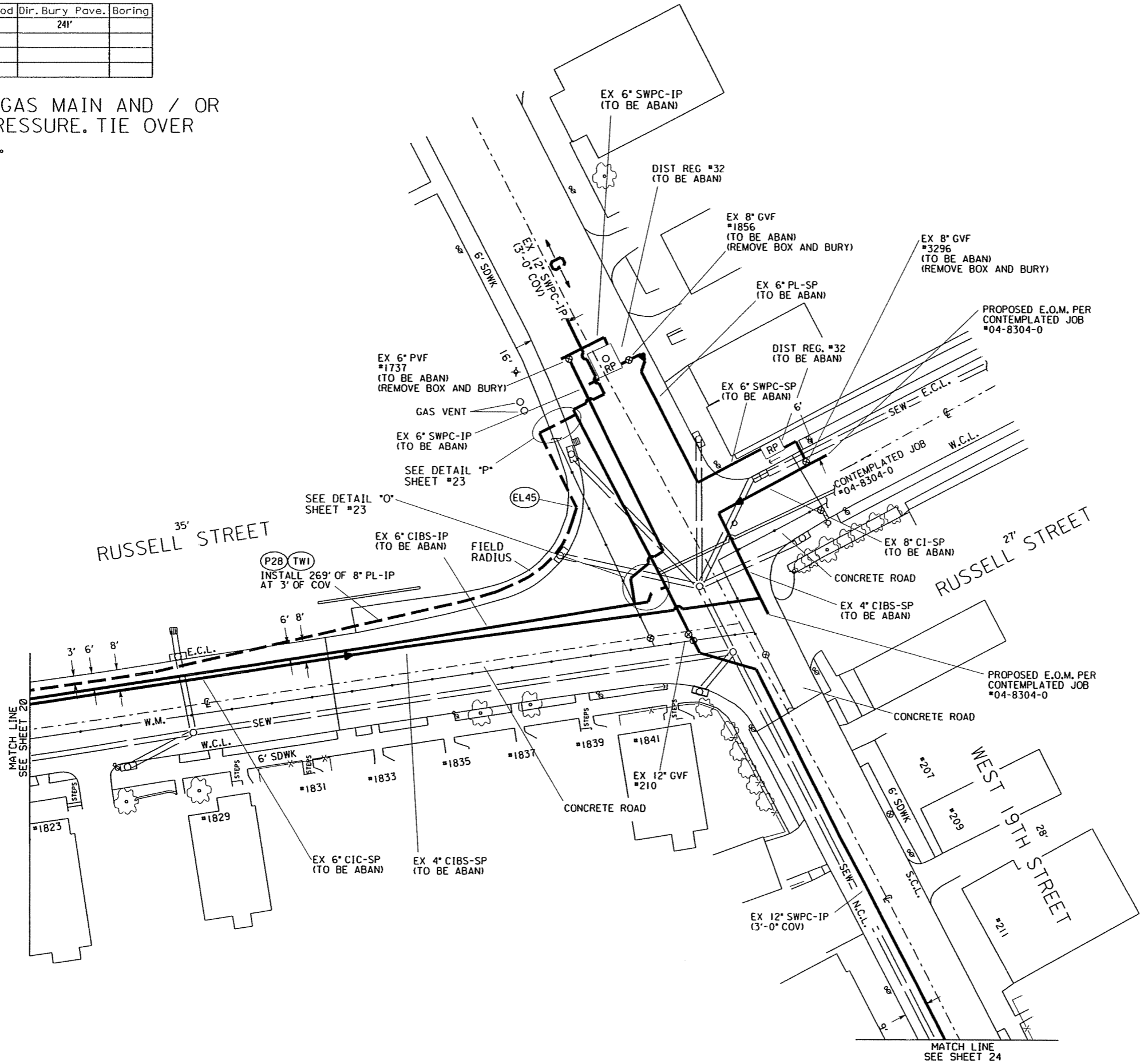
SEP.09,04

05-8311-2

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
8"			28'	24'	

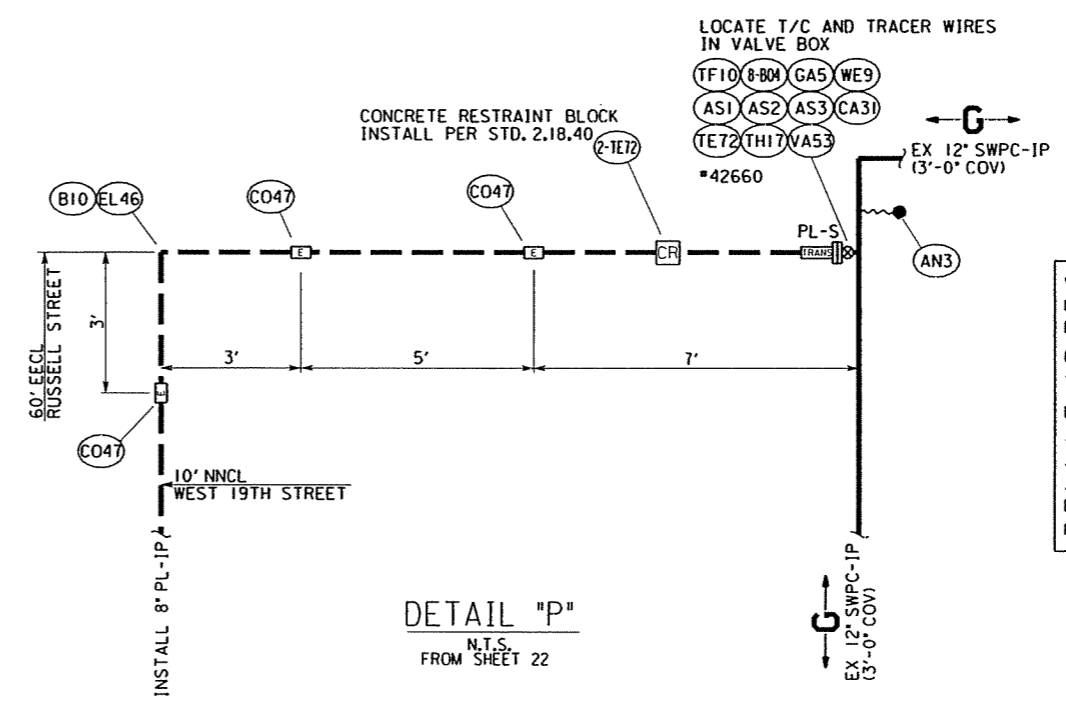
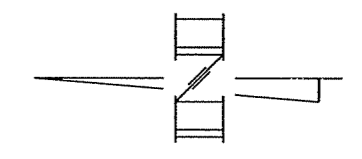


NOTE: CONVERT SP GAS MAIN AND / OR SERVICES TO IP PRESSURE. TIE OVER TO NEW 8" IP MAIN.



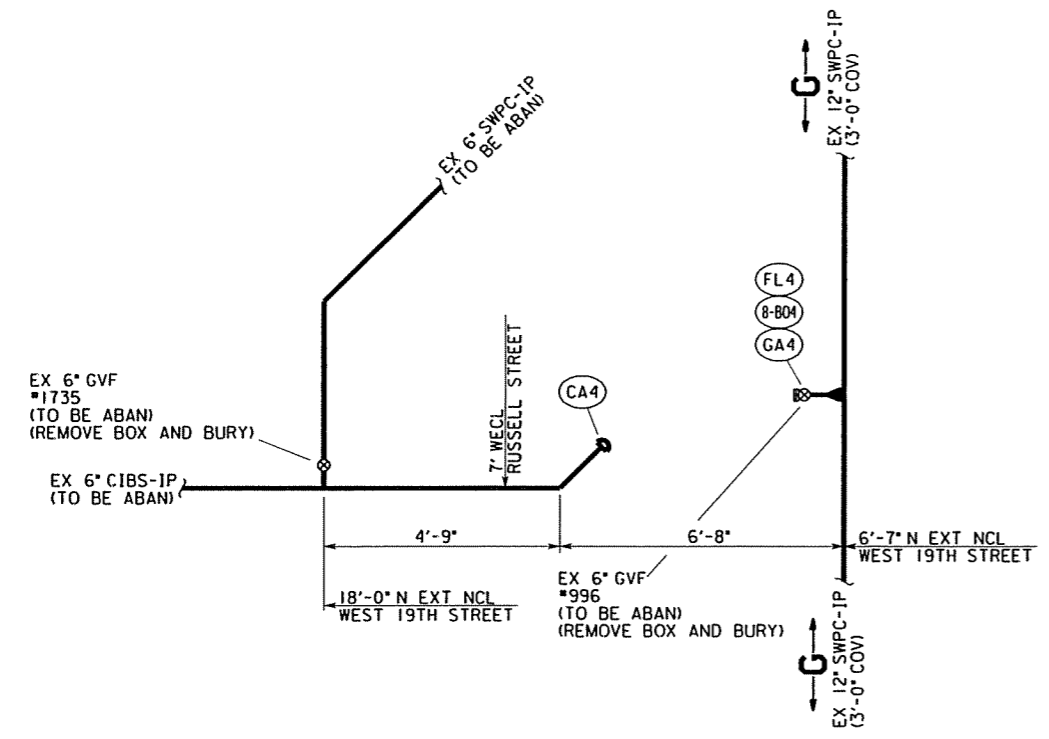
REVISIONS

SEP.09,04



DETAIL "P"  
 N.T.S.  
 FROM SHEET 22

VALVE #	42660	SIZE	8"
MANUFACTURER			
FIG. #	W.O.G./M.O.P.		
GATE	<input type="checkbox"/>	PLUG	<input type="checkbox"/>
OTHER			
TURNS TO OPEN _____			
LOCATION:			
_____ FT	_____ IN		
_____ FT	_____ IN		
_____ FT	_____ IN		
BOX	<input type="checkbox"/>	PIT	<input type="checkbox"/>
COVER AT MAIN	_____ FT	_____ IN	
REMARKS _____			



DETAIL "O"  
 N.T.S.  
 FROM SHEET 22

REVISIONS

SEP.09,04

05-8311-2

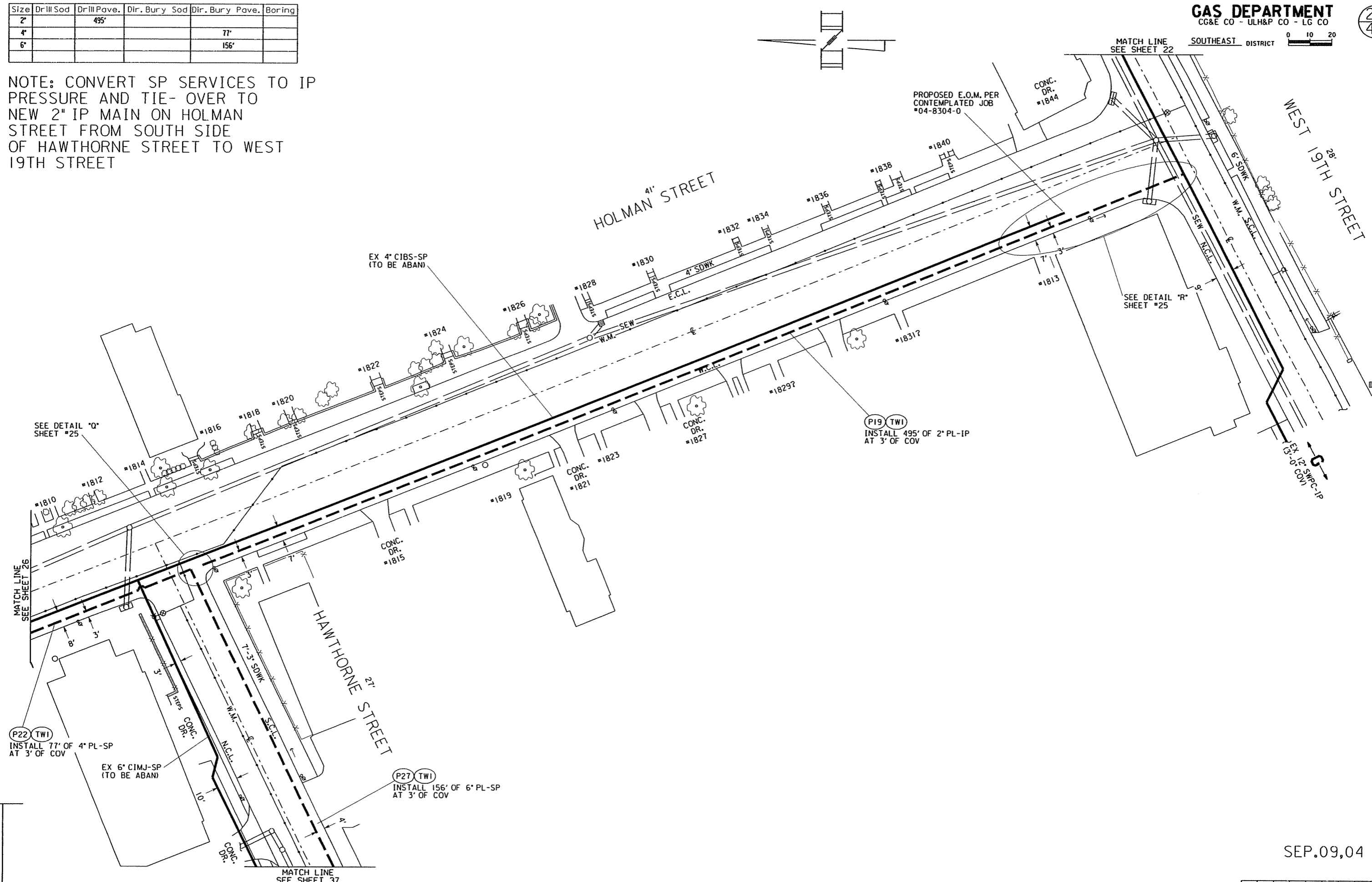
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
2"		495'			
4"				77'	
6"				156'	

**GAS DEPARTMENT**  
CG&E CO - ULH&P CO - LG CO

24  
42

SOUTHEAST DISTRICT 0 10 20

NOTE: CONVERT SP SERVICES TO IP PRESSURE AND TIE- OVER TO NEW 2" IP MAIN ON HOLMAN STREET FROM SOUTH SIDE OF HAWTHORNE STREET TO WEST 19TH STREET

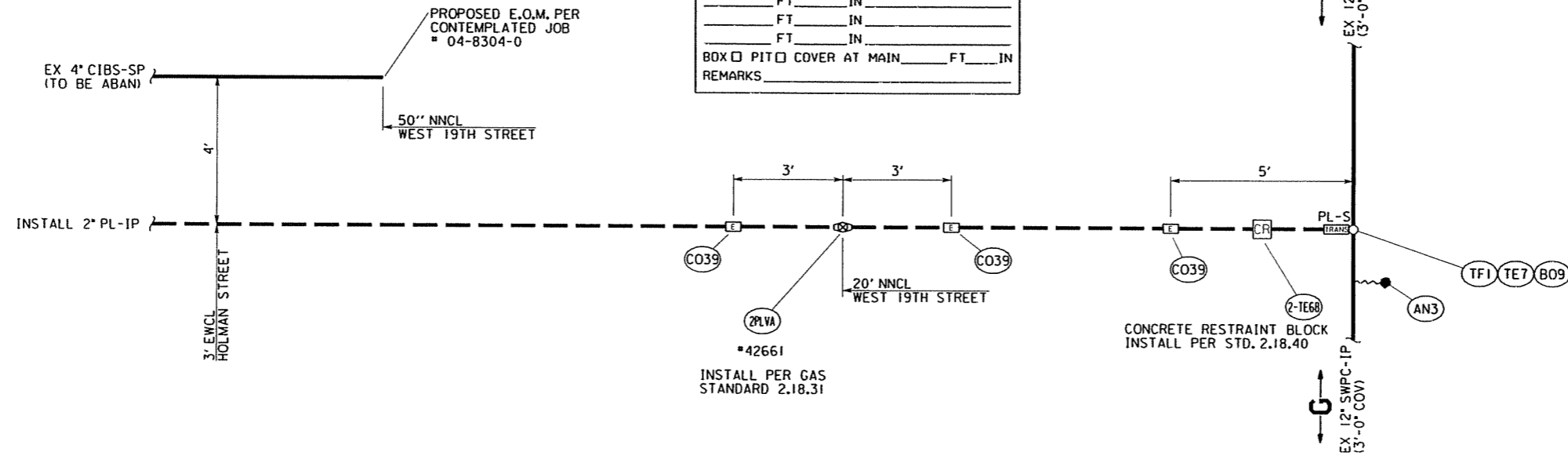


REVISIONS

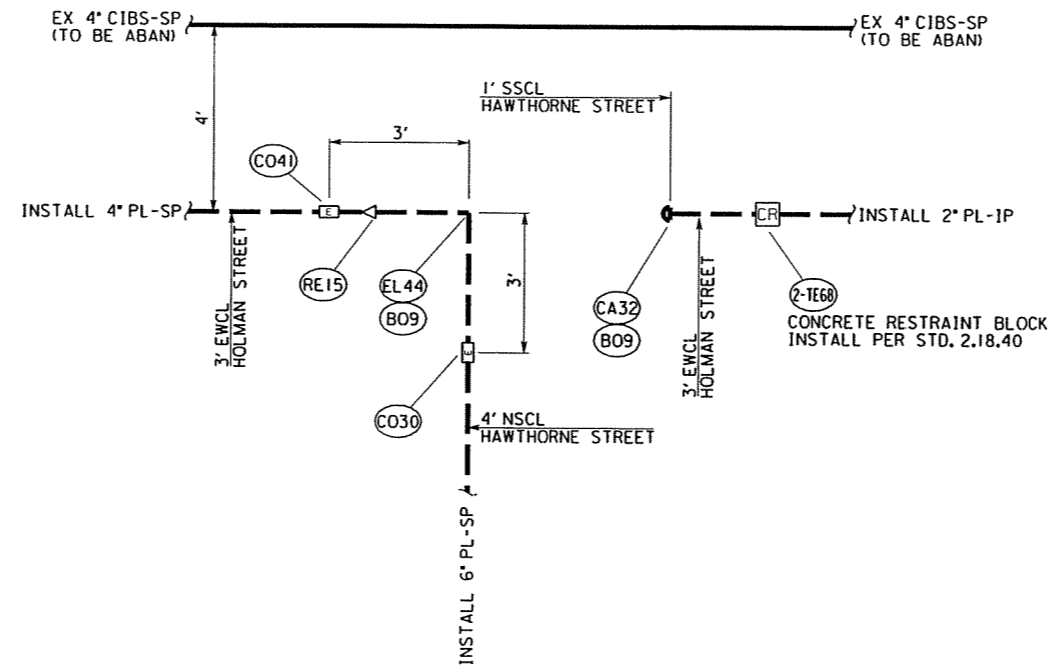
SEP.09,04

05-8311-2

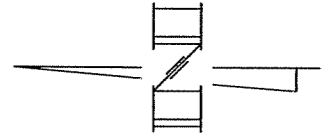
VALVE #	42661	SIZE	2"
MANUFACTURER			
FIG. #	W.O.G./M.D.P.		
GATE	<input type="checkbox"/>	PLUG	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		
TURNS TO OPEN			
LOCATION:			
	FT	IN	
	FT	IN	
	FT	IN	
BOX	<input type="checkbox"/>	PIT	<input type="checkbox"/>
COVER AT MAIN	FT	IN	
REMARKS			



DETAIL "R"  
N.T.S.  
FROM SHEET 24

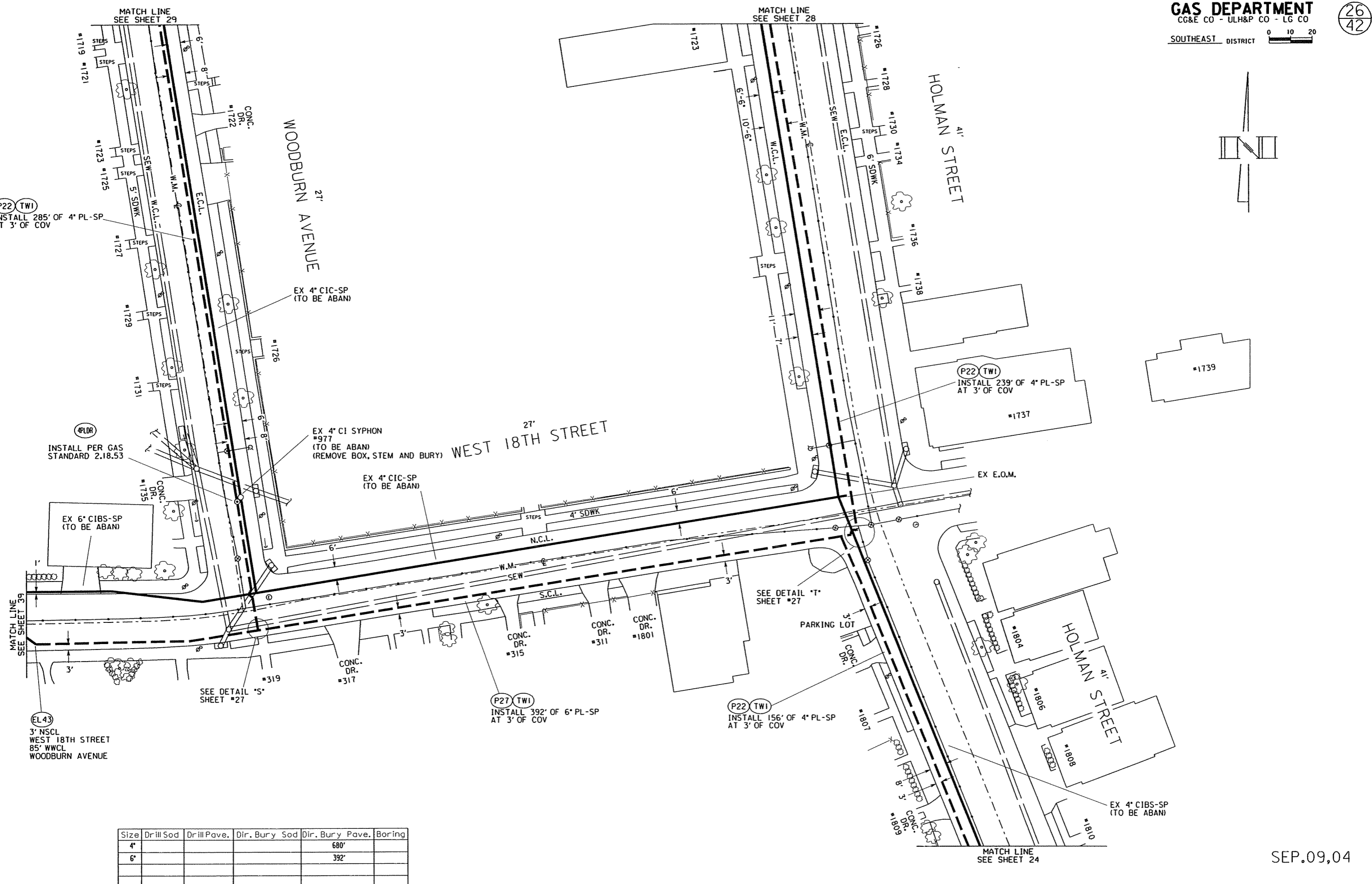
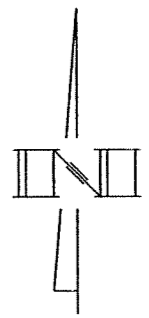


DETAIL "Q"  
N.T.S.  
FROM SHEET 24



REVISIONS

SEP.09,04

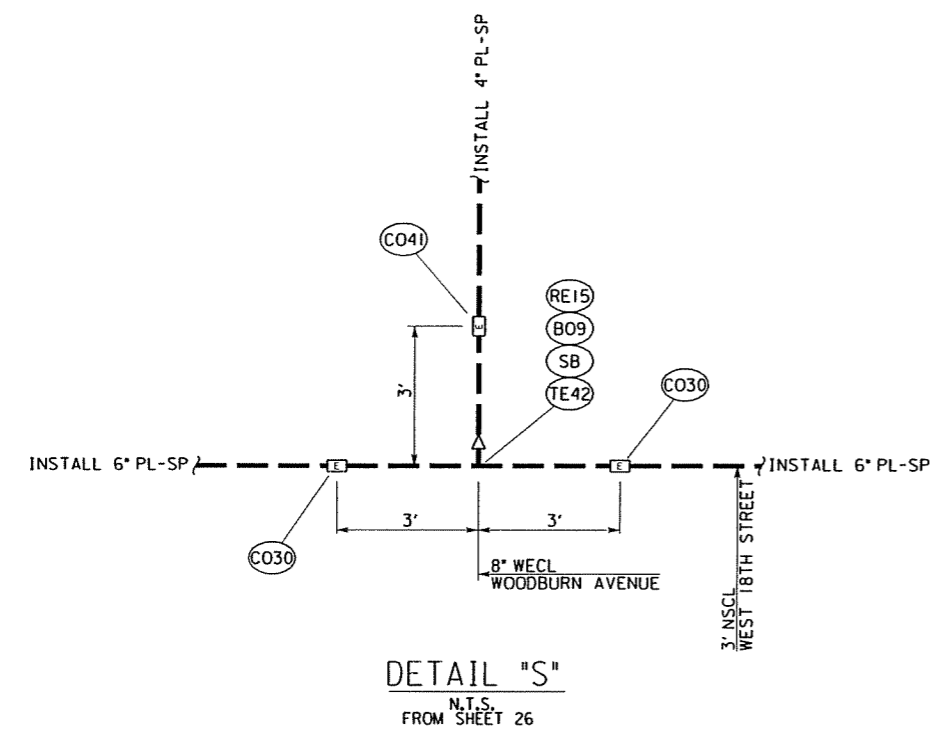
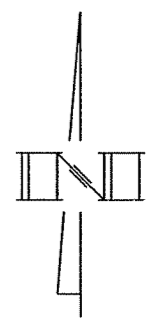


Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"					680'
6"					392'

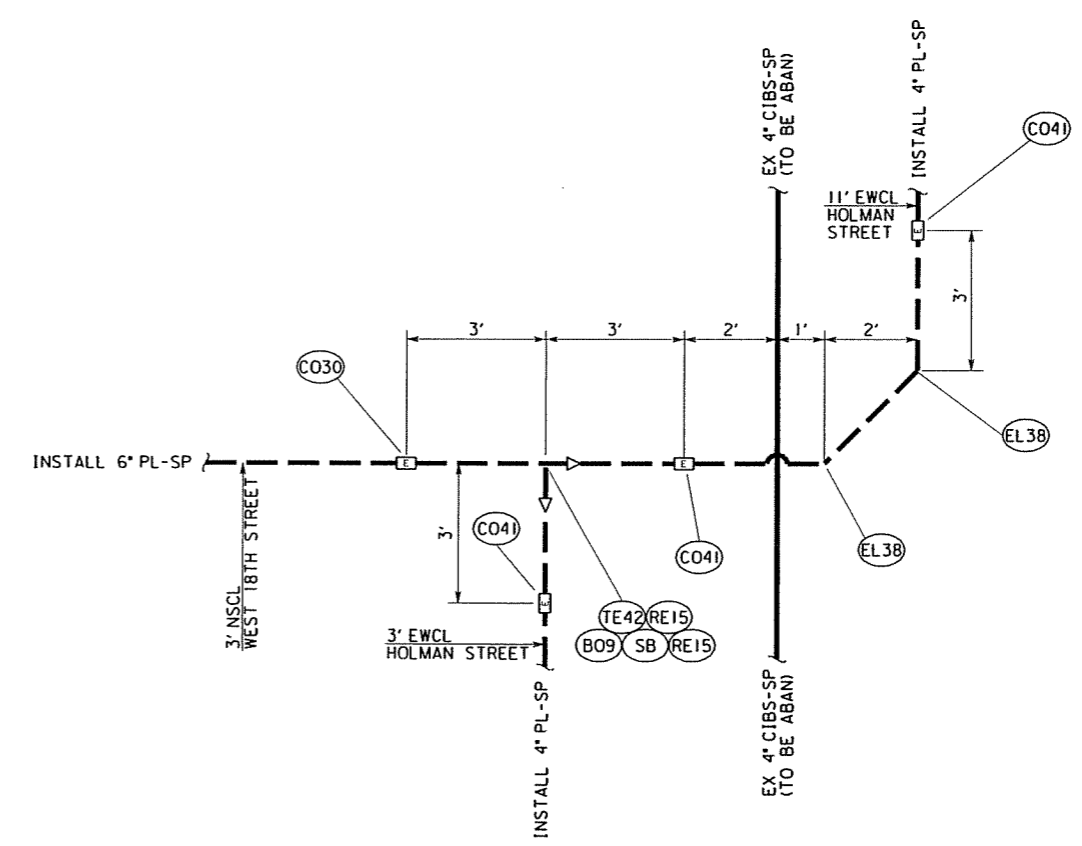
REVISIONS

SEP.09,04





DETAIL "S"  
 N.T.S.  
 FROM SHEET 26



DETAIL "T"  
 N.T.S.  
 FROM SHEET 26

REVISIONS

SEP.09,04

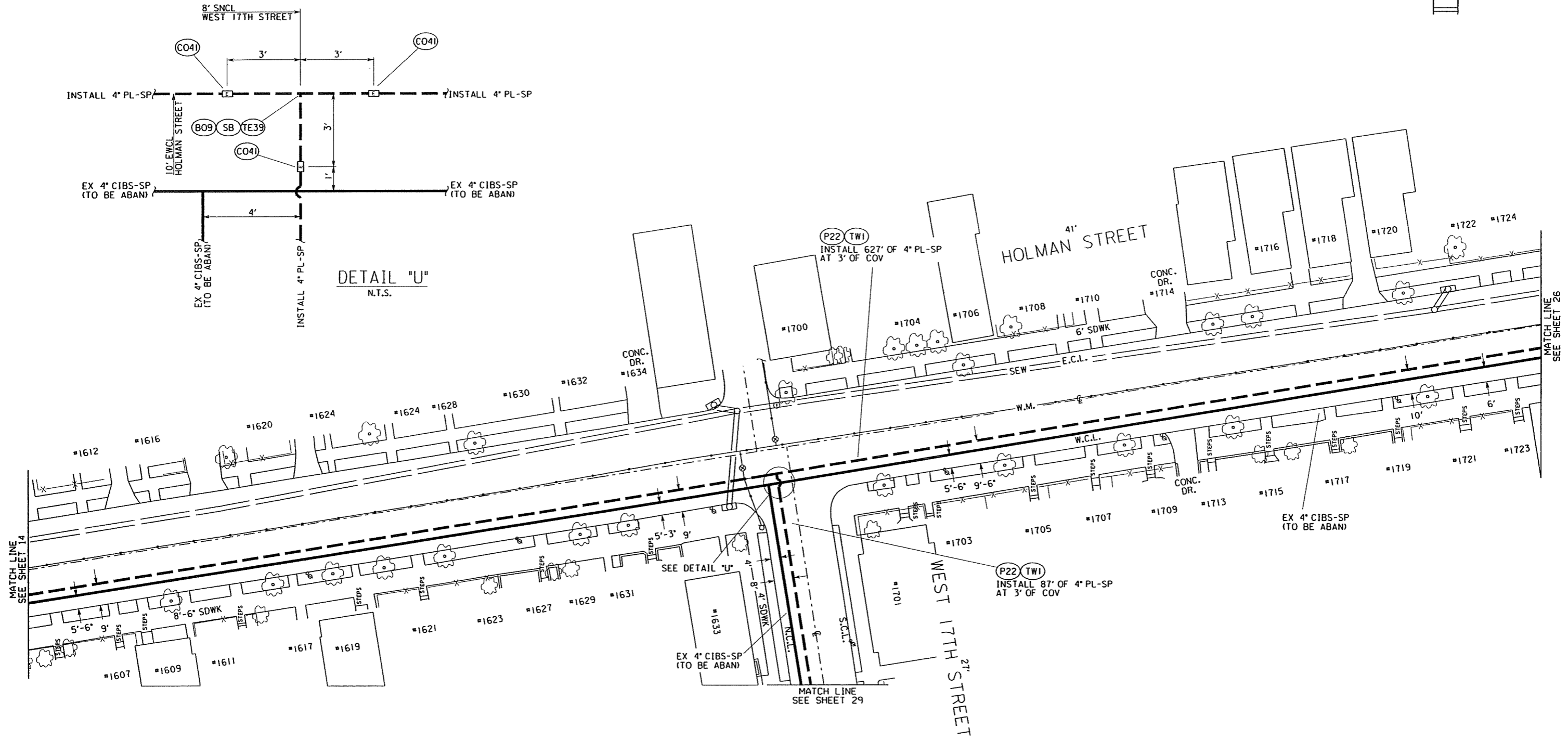
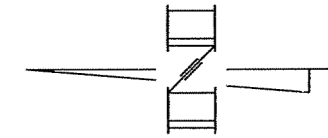
05-8311-2

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				714"	

**GAS DEPARTMENT**  
CG&E CO - ULH&P CO - LG CO

28  
42

SOUTHEAST DISTRICT



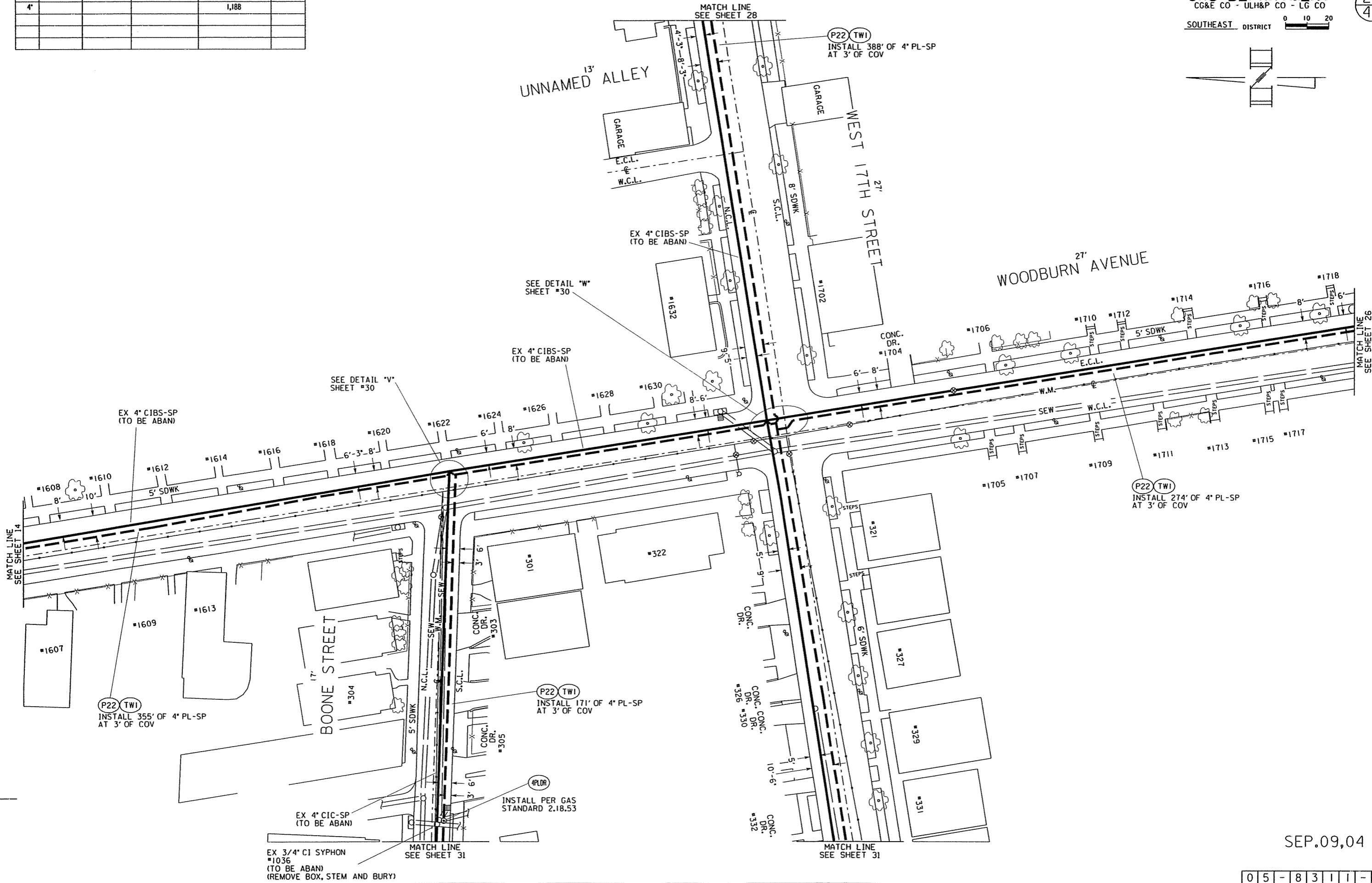
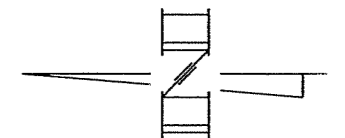
**DETAIL "U"**  
N.T.S.

REVISIONS

SEP.09,04

05-8311-2

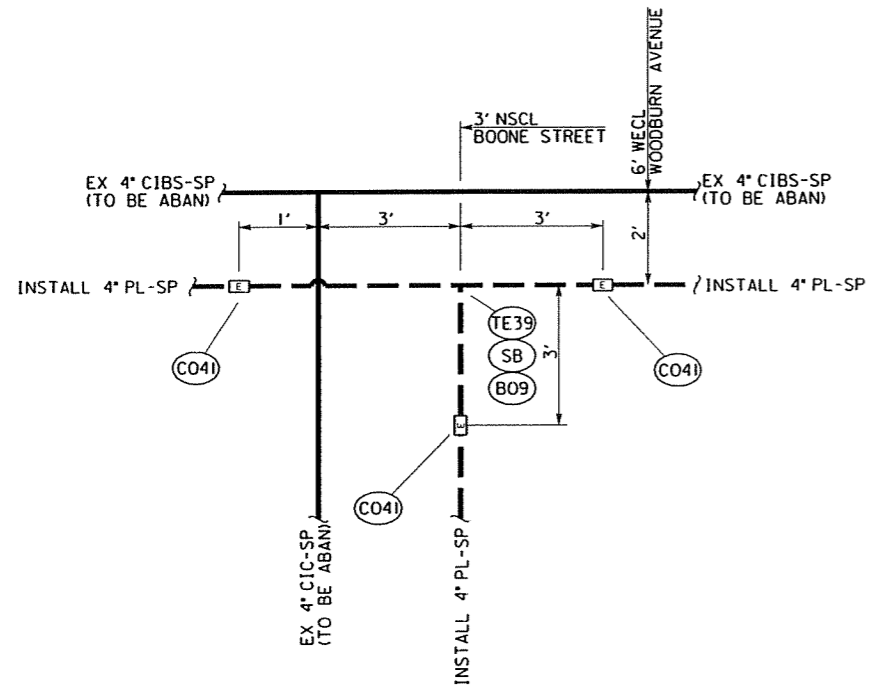
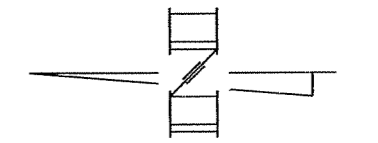
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				1,188	



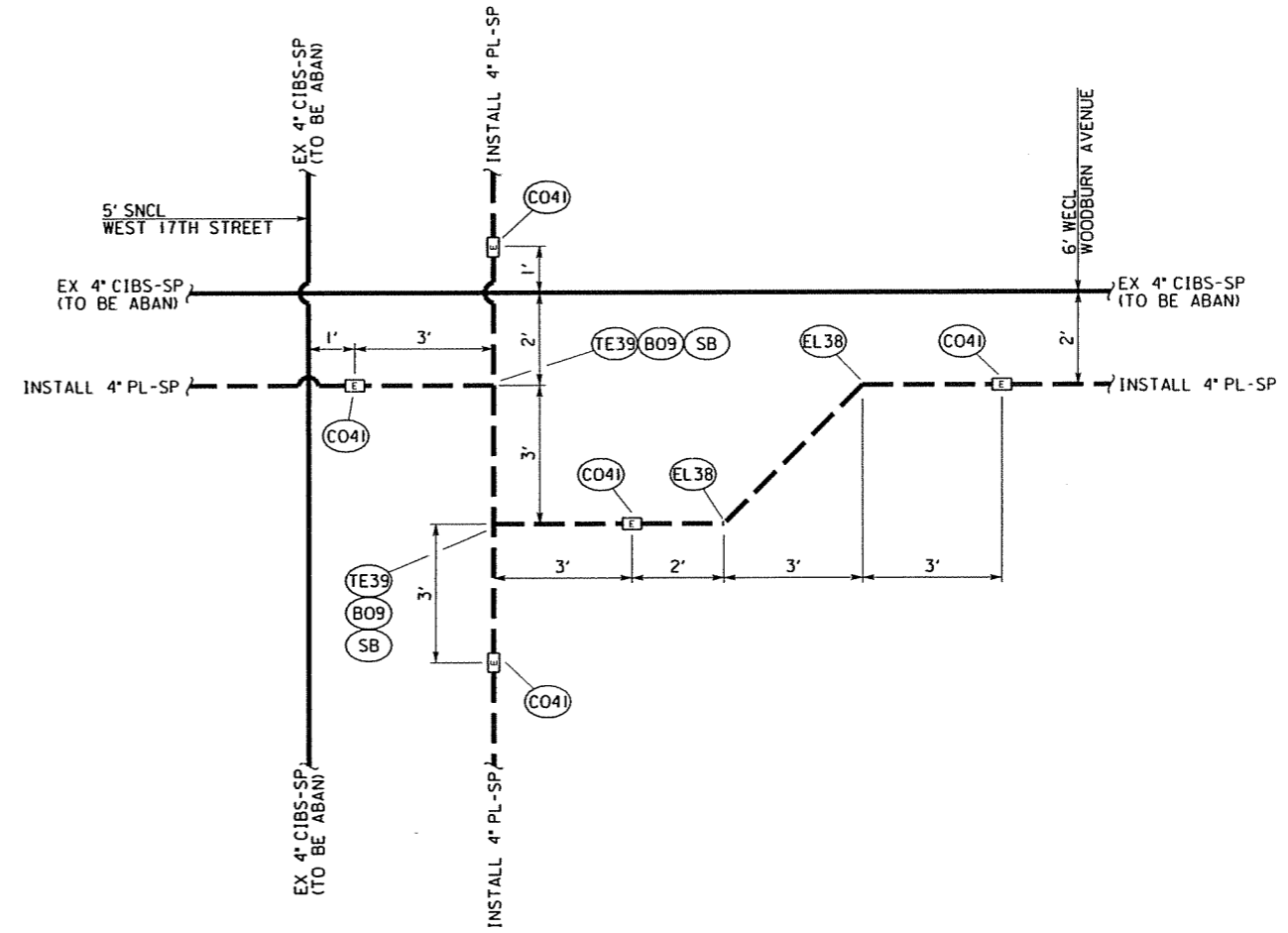
REVISIONS

SEP.09,04

05 - 83111 - 2



DETAIL "V"  
 N.T.S.  
 FROM SHEET 29



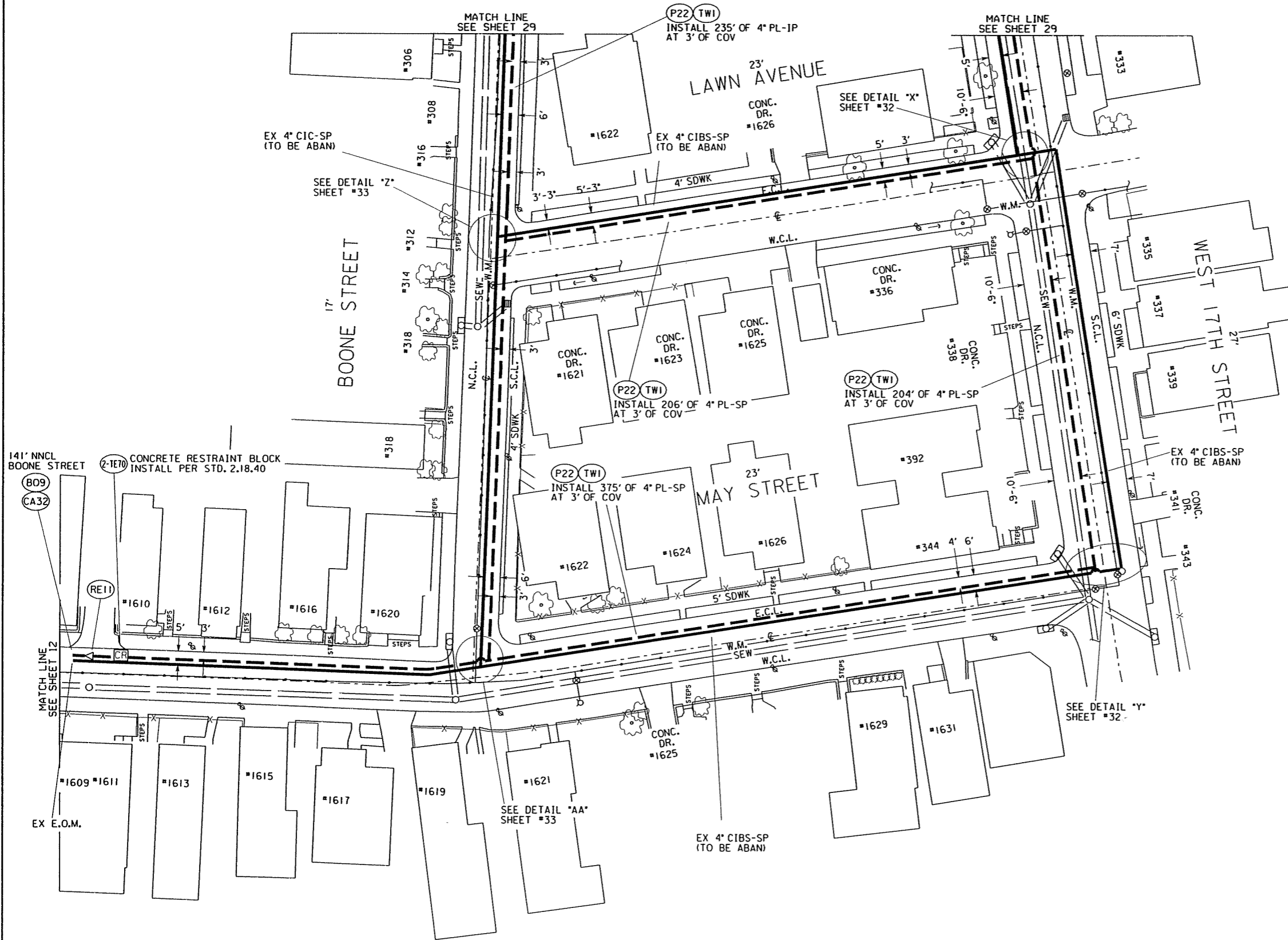
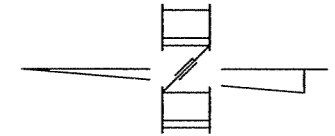
DETAIL "W"  
 N.T.S.  
 FROM SHEET 29

REVISIONS

SEP.09,04

05 - 83111 - 2

NOTE: WAITING FOR INFORMATION ON WATER MAIN LOCATION



141' NNCL BOONE STREET  
CONCRETE RESTRAINT BLOCK  
INSTALL PER STD. 2.18.40

B09  
CA32

RE11

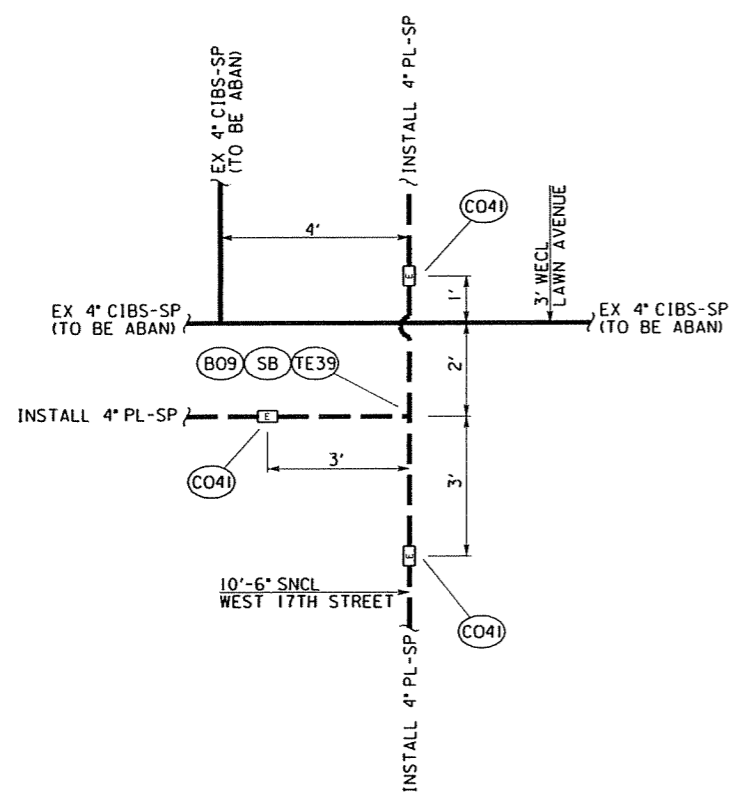
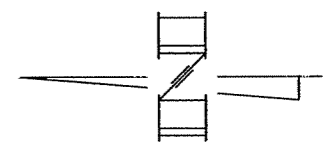
MATCH LINE  
SEE SHEET 12

EX E.O.M.

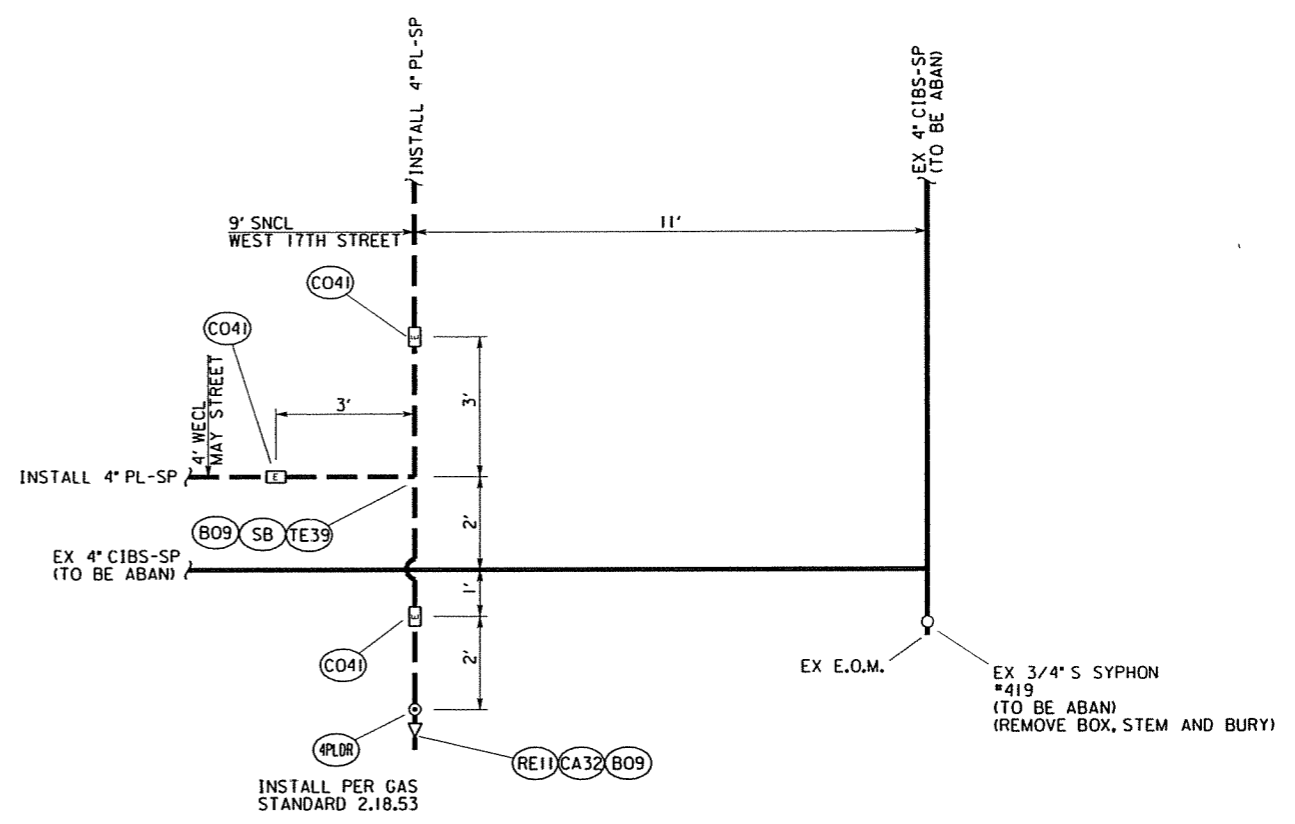
REVISIONS

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
2'				2'	
4'				1020'	

SEP.09,04



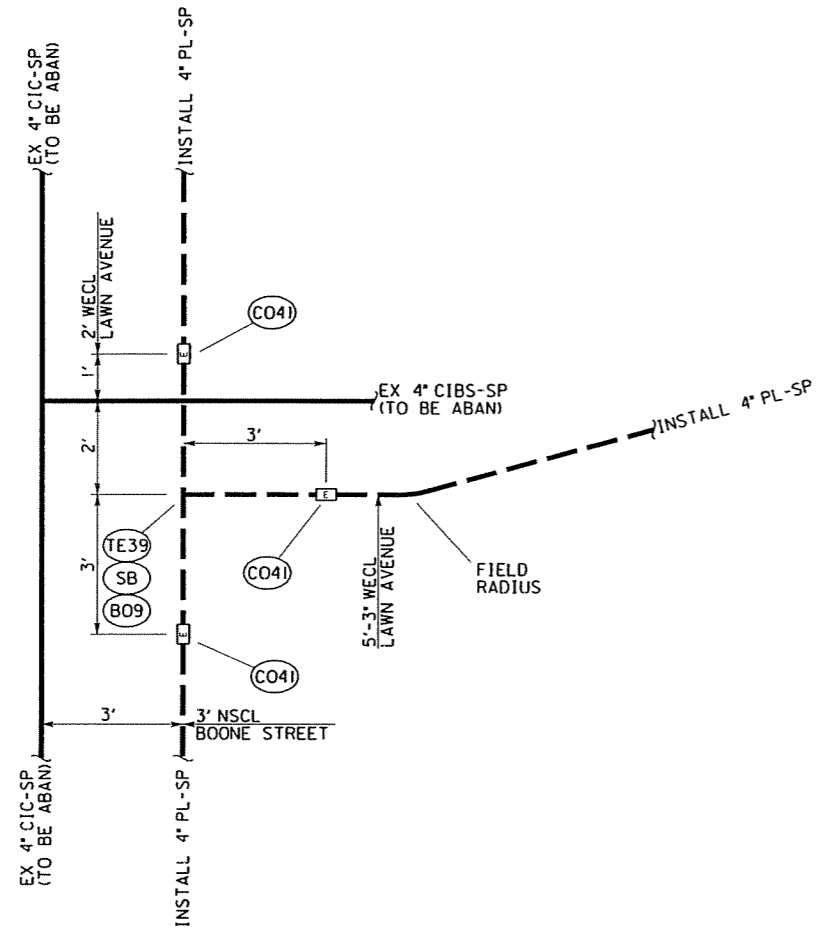
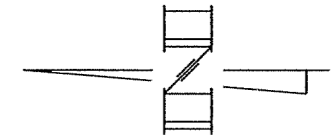
**DETAIL "X"**  
 N.T.S.  
 FROM SHEET 31



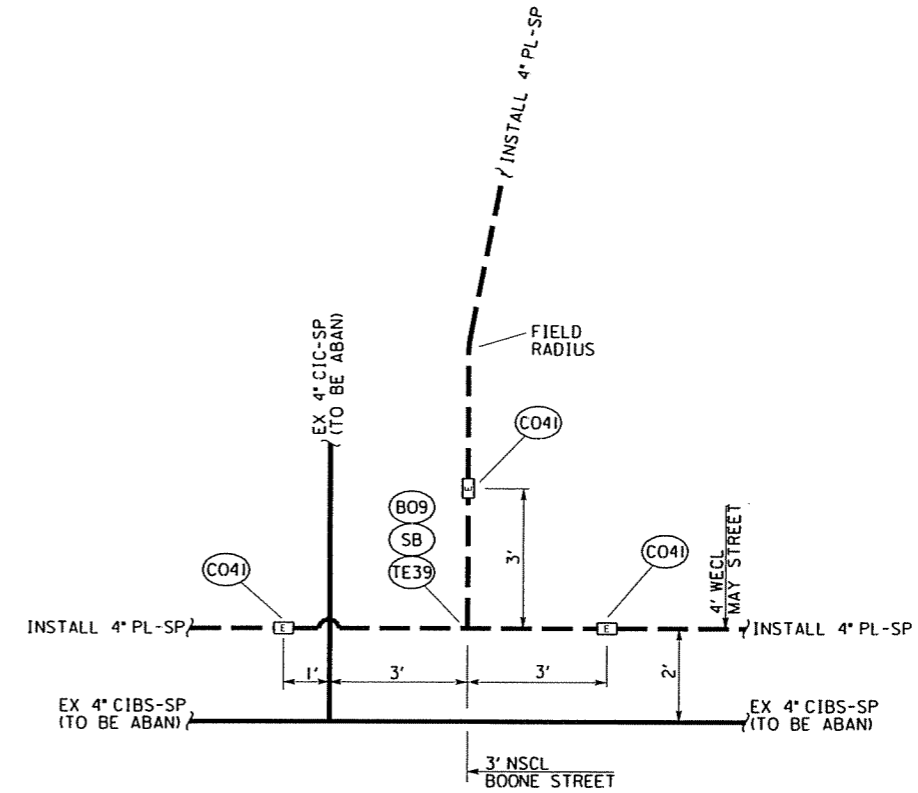
**DETAIL "Y"**  
 N.T.S.  
 FROM SHEET 31

REVISIONS

SEP.09,04



DETAIL "Z"  
 N.T.S.  
 FROM SHEET 31



DETAIL "AA"  
 N.T.S.  
 FROM SHEET 31

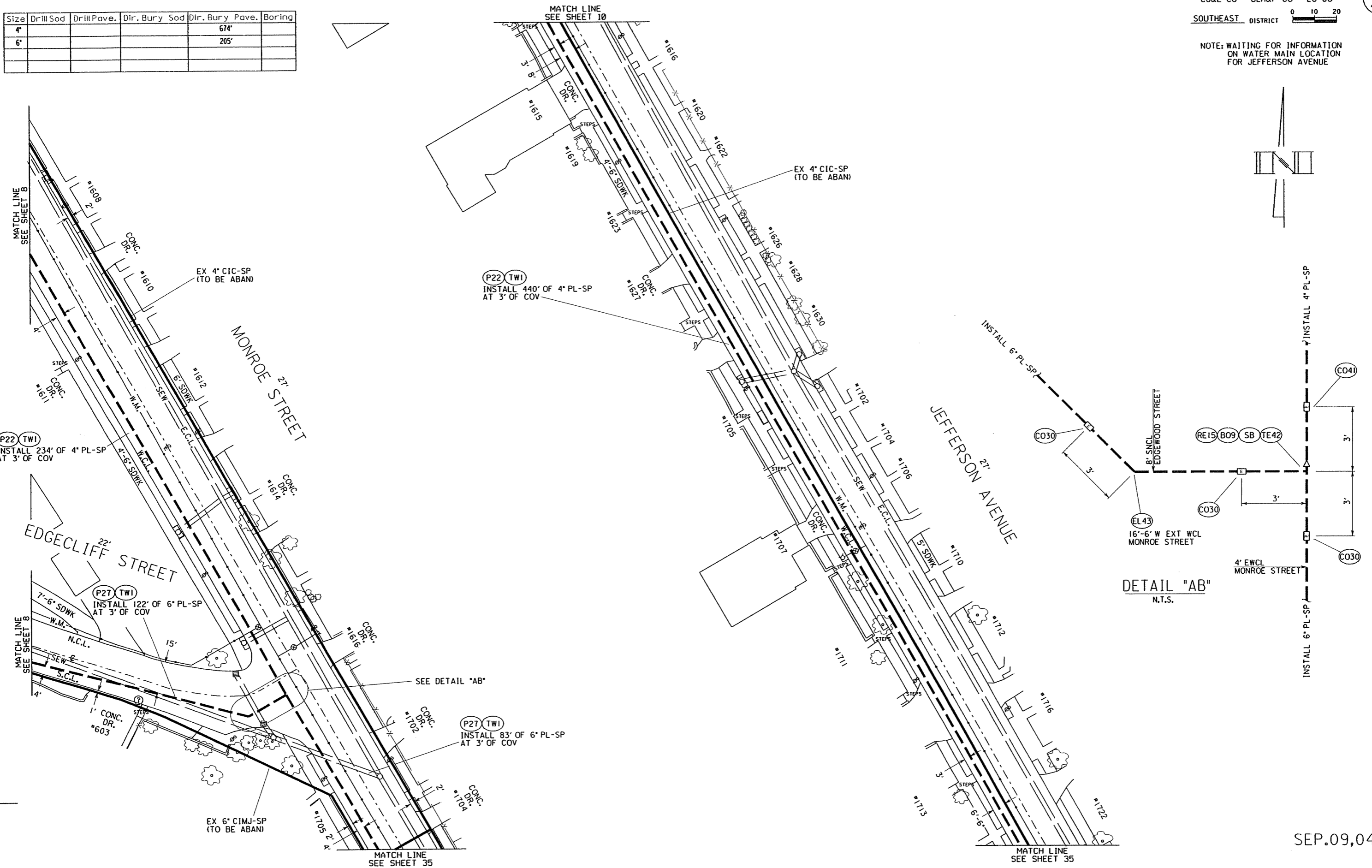
REVISIONS

SEP.09,04

05-8311-2

NOTE: WAITING FOR INFORMATION ON WATER MAIN LOCATION FOR JEFFERSON AVENUE

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				674'	
6"				205'	

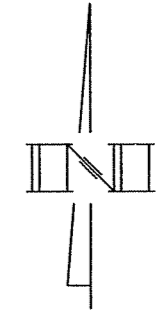
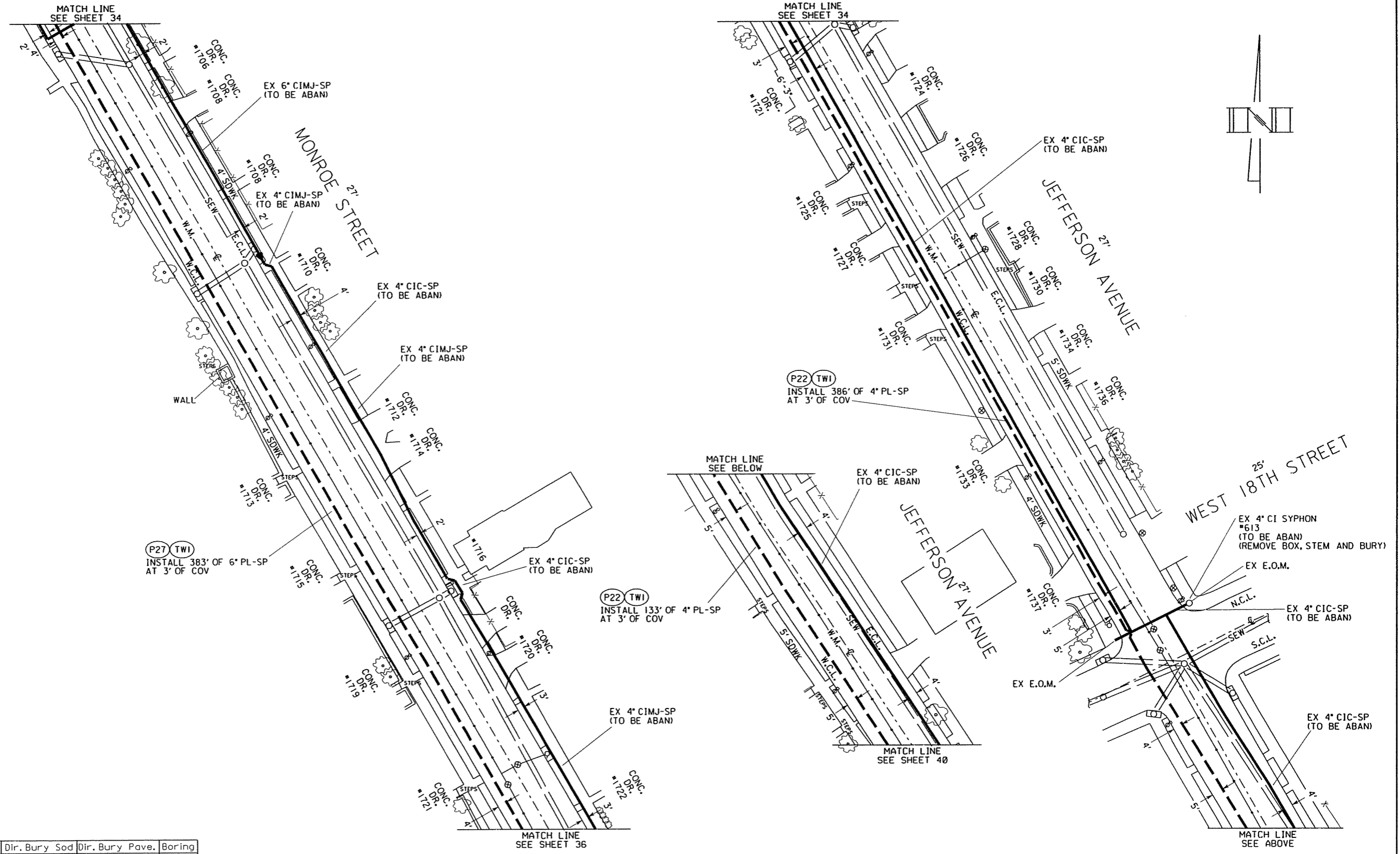


**DETAIL "AB"**  
N.T.S.

SEP.09,04

REVISIONS





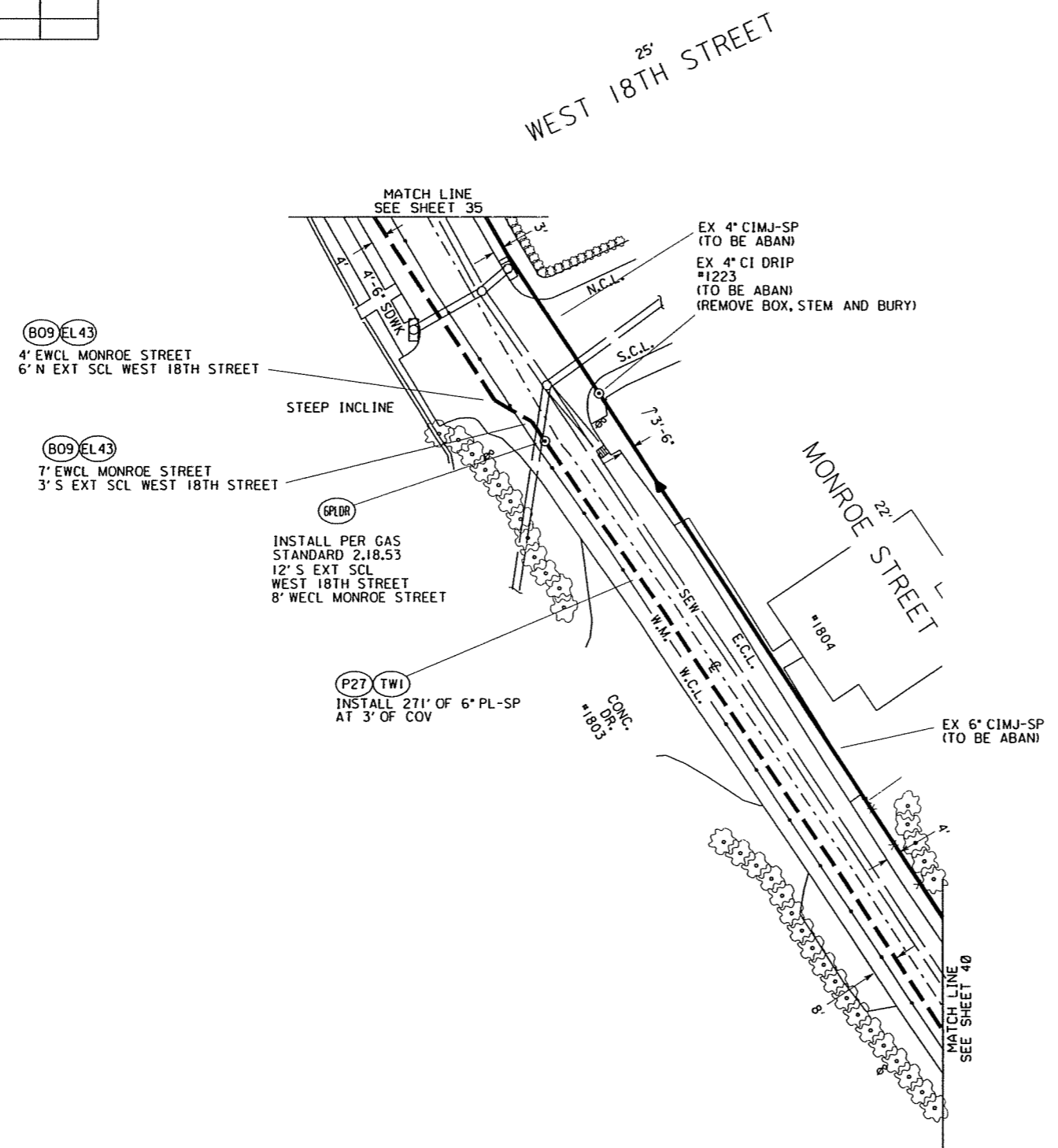
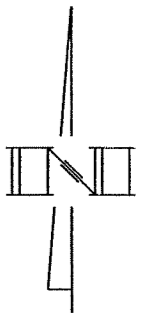
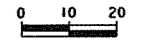
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				519'	
6"				383'	

REVISIONS

SEP.09,04

05-83111-2

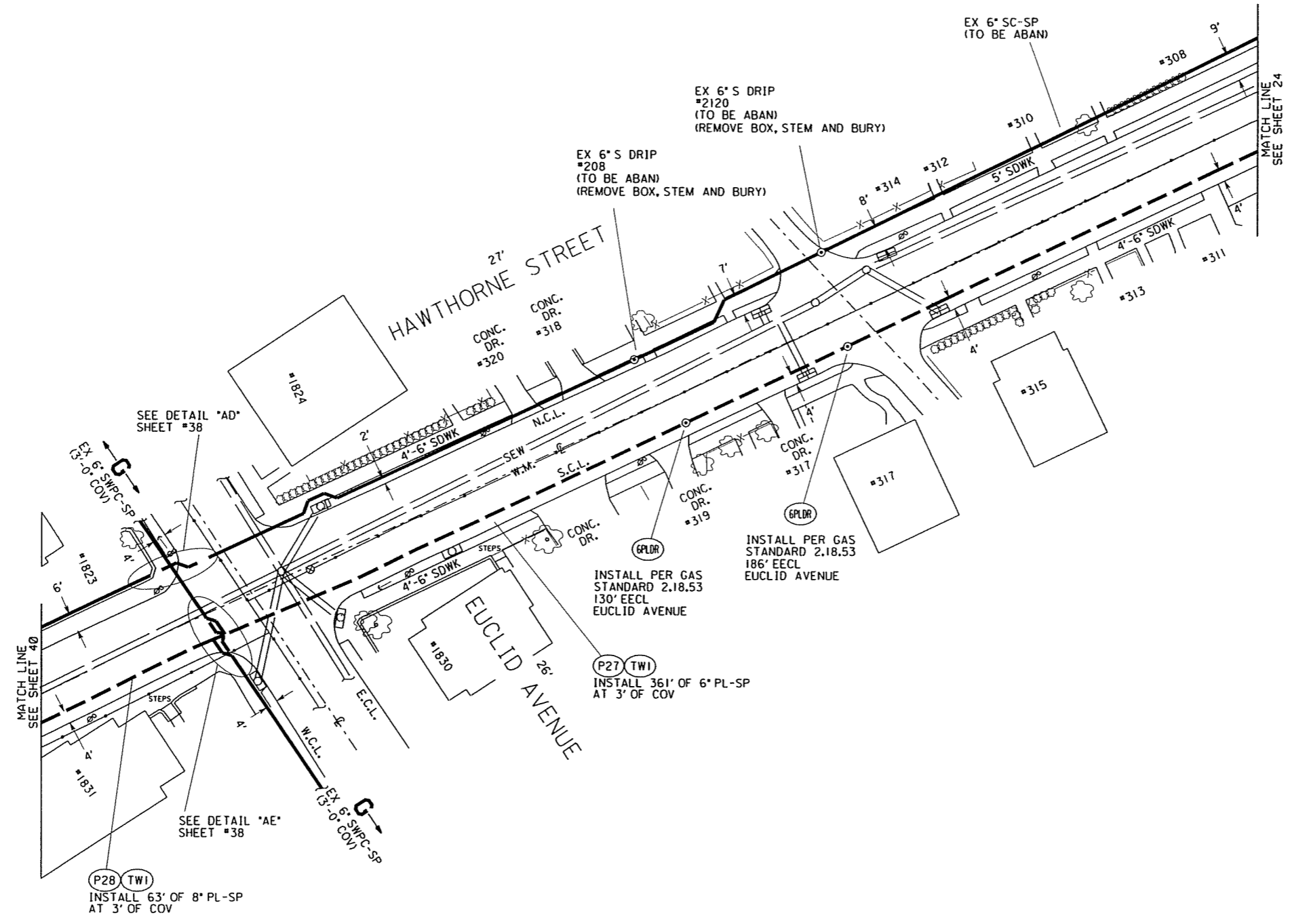
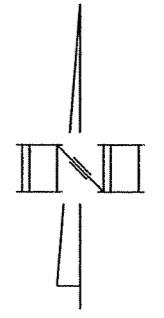
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"				271'	



REVISIONS

SEP.09,04

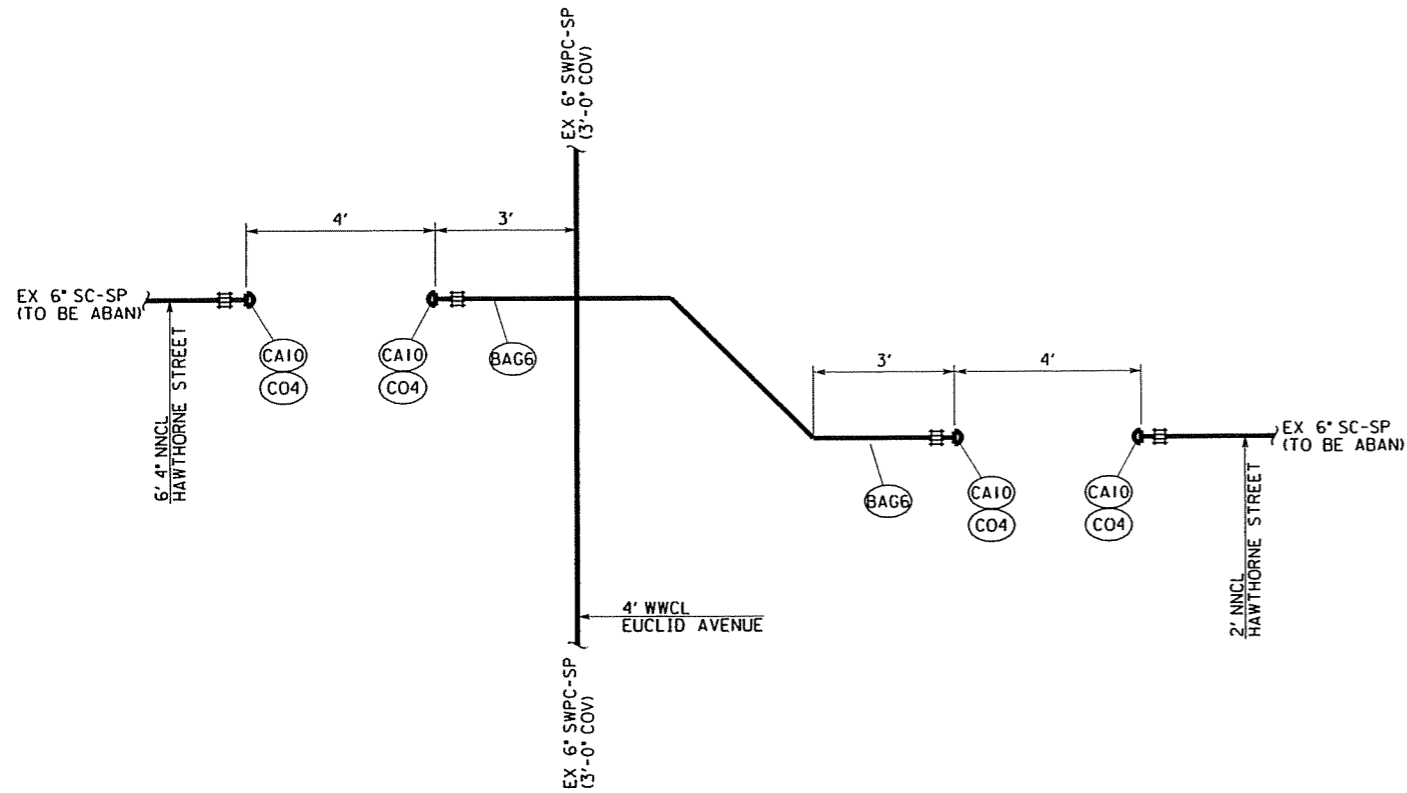
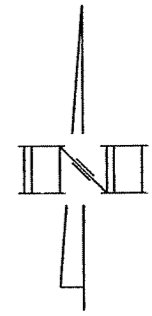
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"				361'	
8"				63'	



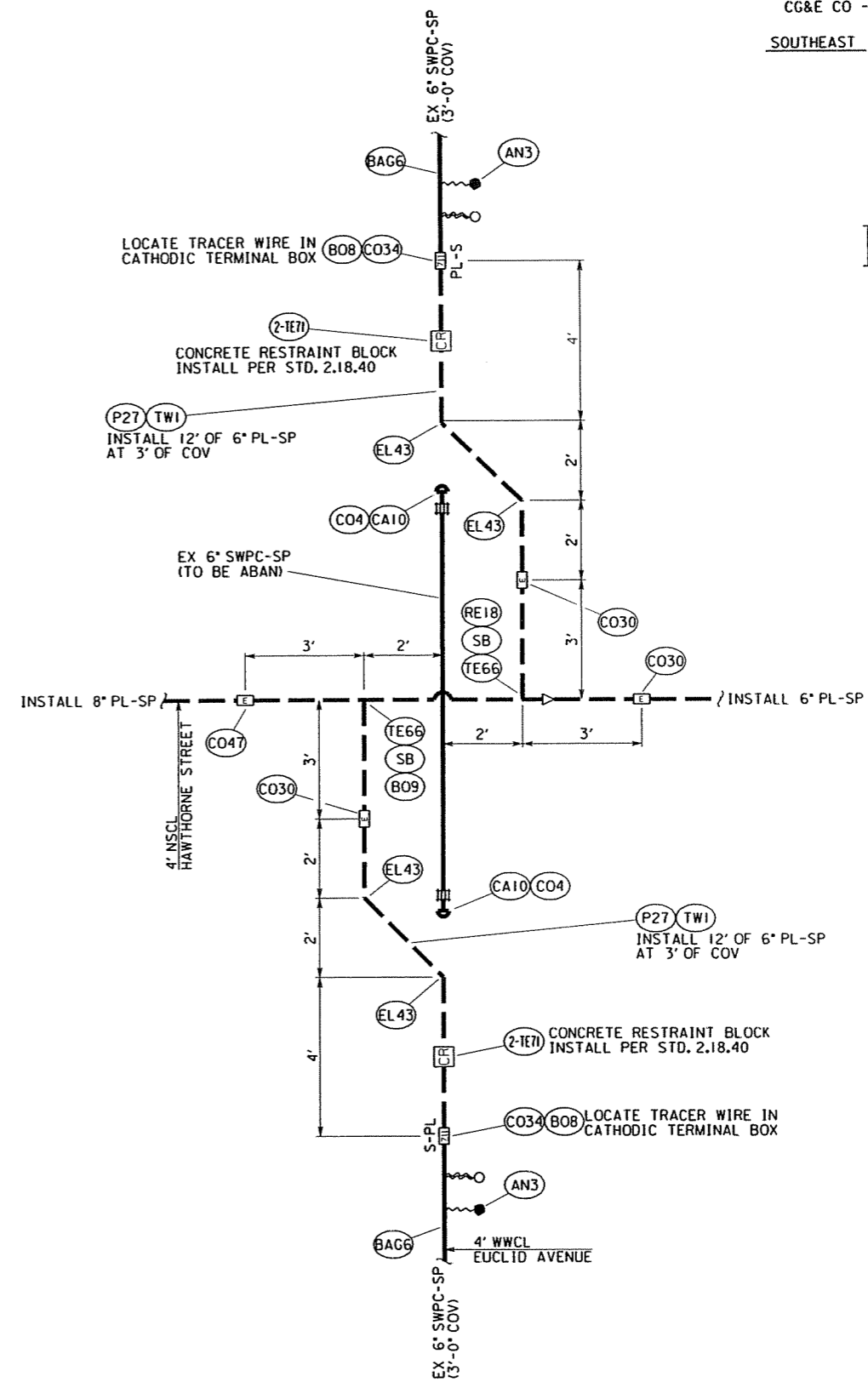
PROVISIONS

SEP.09,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"				24"	

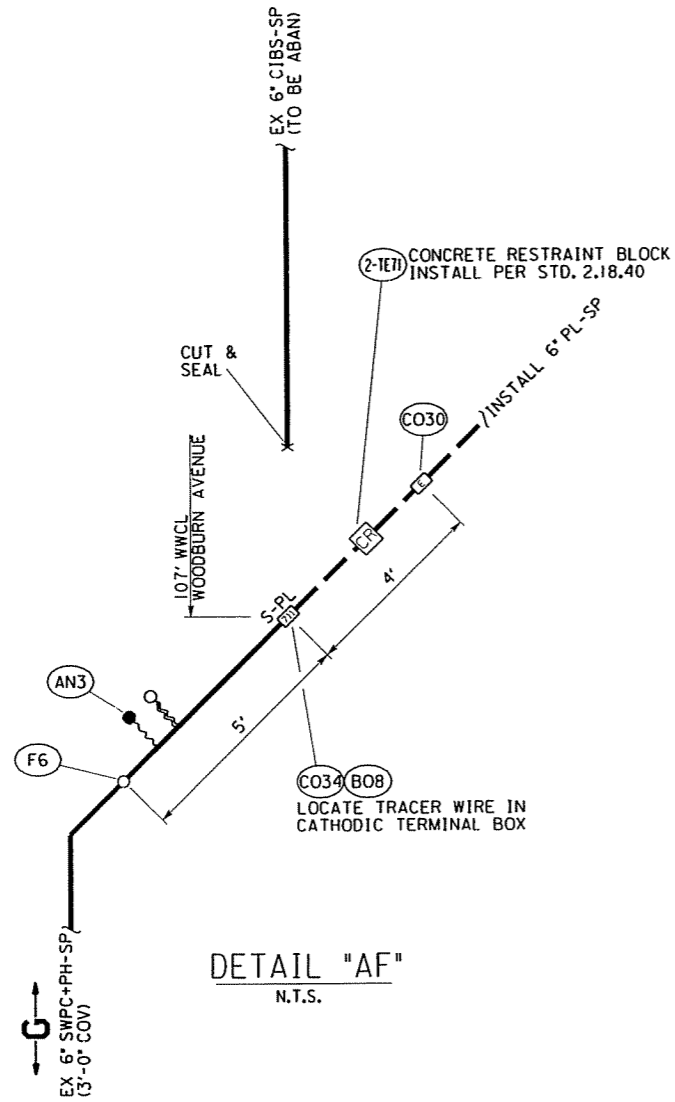
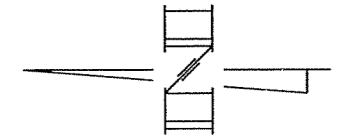


DETAIL "AD"  
N.T.S.  
FROM SHEET 37

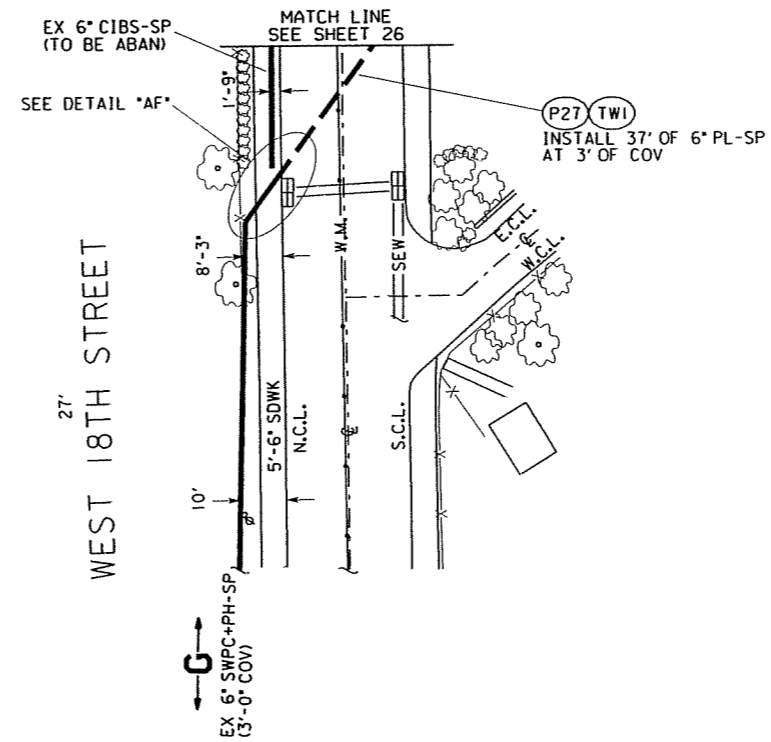


DETAIL "AE"  
N.T.S.  
FROM SHEET 37

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"				37'	



DETAIL "AF"  
N.T.S.



REVISIONS

SEP.09,04

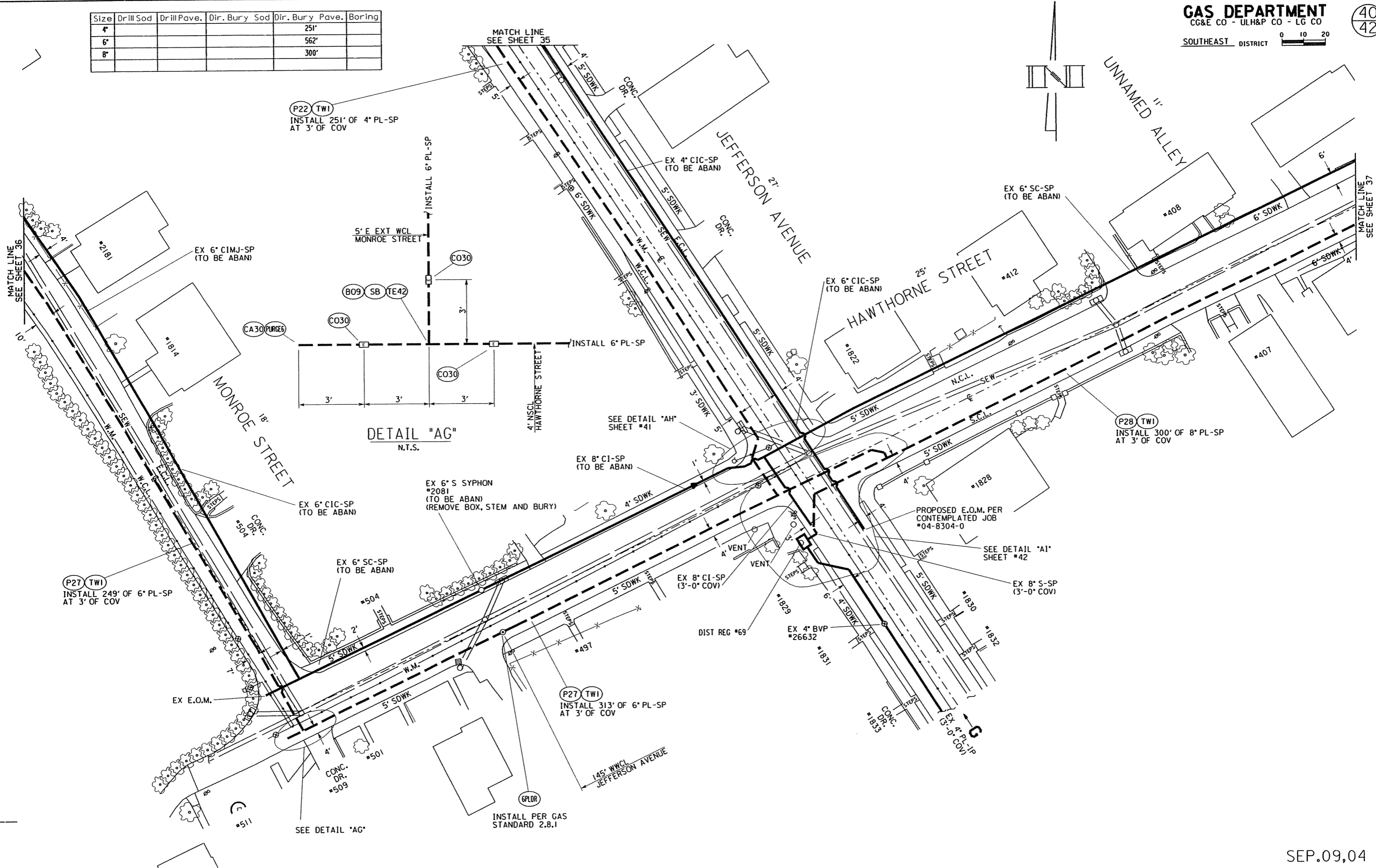
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				251'	
6"				562'	
8"				300'	

**GAS DEPARTMENT**

CG&E CO - ULH&P CO - LG CO

SOUTHEAST DISTRICT

40  
42

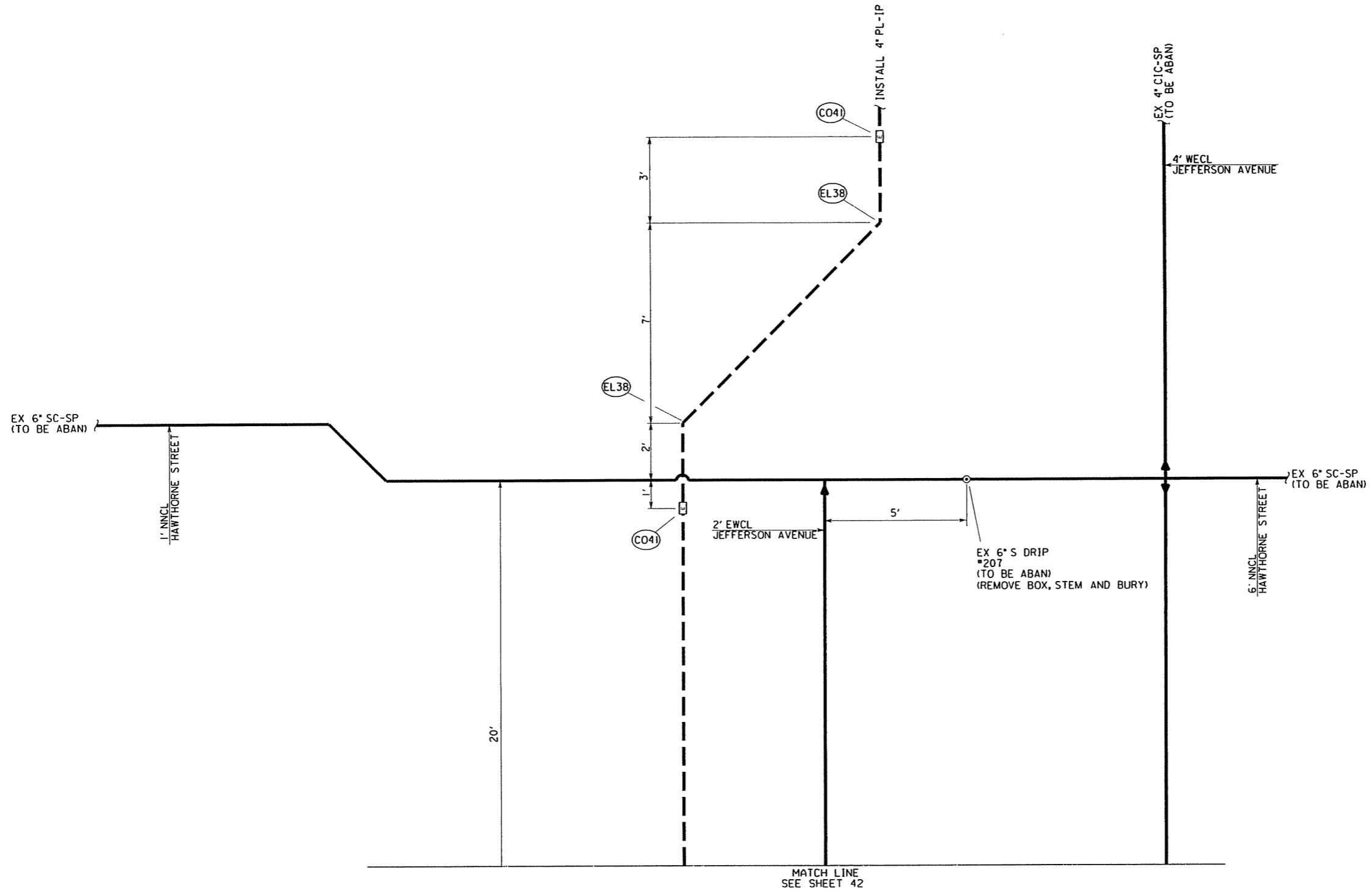
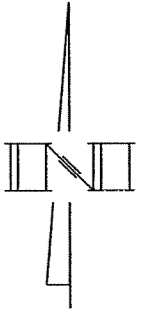


DETAIL "AG"  
N.T.S.

REVISIONS

SEP.09,04

05-8311-2



DETAIL "AH"

N.T.S.  
FROM SHEET 40

REVISIONS

SEP.09,04

05-8311-2

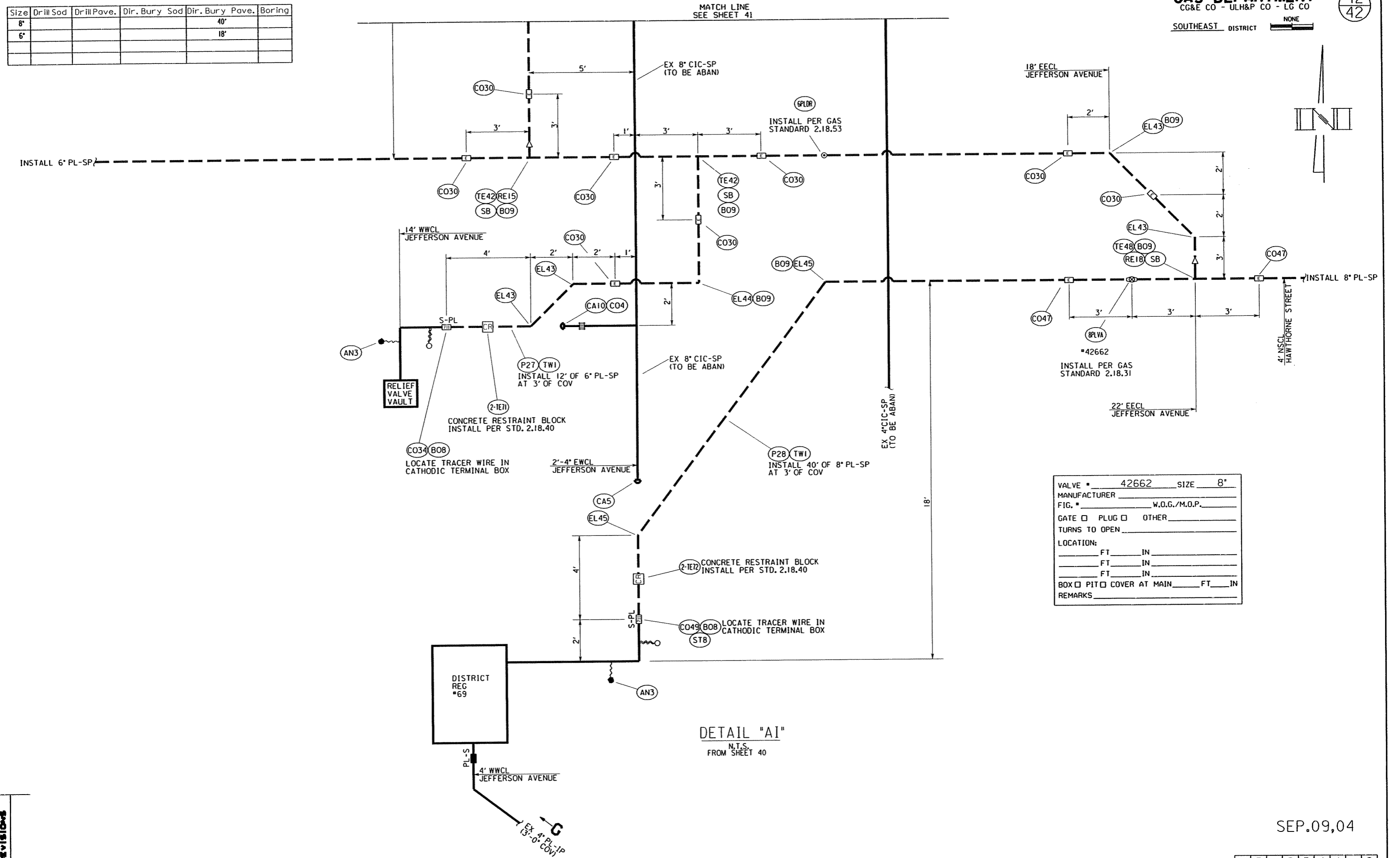
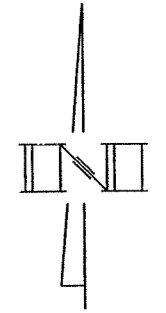
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
8"				40"	
6"				18"	

**GAS DEPARTMENT**

CG&E CO - ULH&P CO - LG CO

SOUTHEAST DISTRICT

42  
42



VALVE #	42662	SIZE	8"
MANUFACTURER			
FIG. #	W.O.G./M.O.P.		
GATE	<input type="checkbox"/>	PLUG	<input type="checkbox"/>
OTHER	<input type="checkbox"/>		
TURNS TO OPEN			
LOCATION:			
	FT	IN	
	FT	IN	
	FT	IN	
BOX	<input type="checkbox"/>	PIT	<input type="checkbox"/>
COVER AT MAIN	FT IN		
REMARKS			

DETAIL "A1"  
N.T.S.  
FROM SHEET 40

SEP.09,04

05-8311-2

REVISIONS

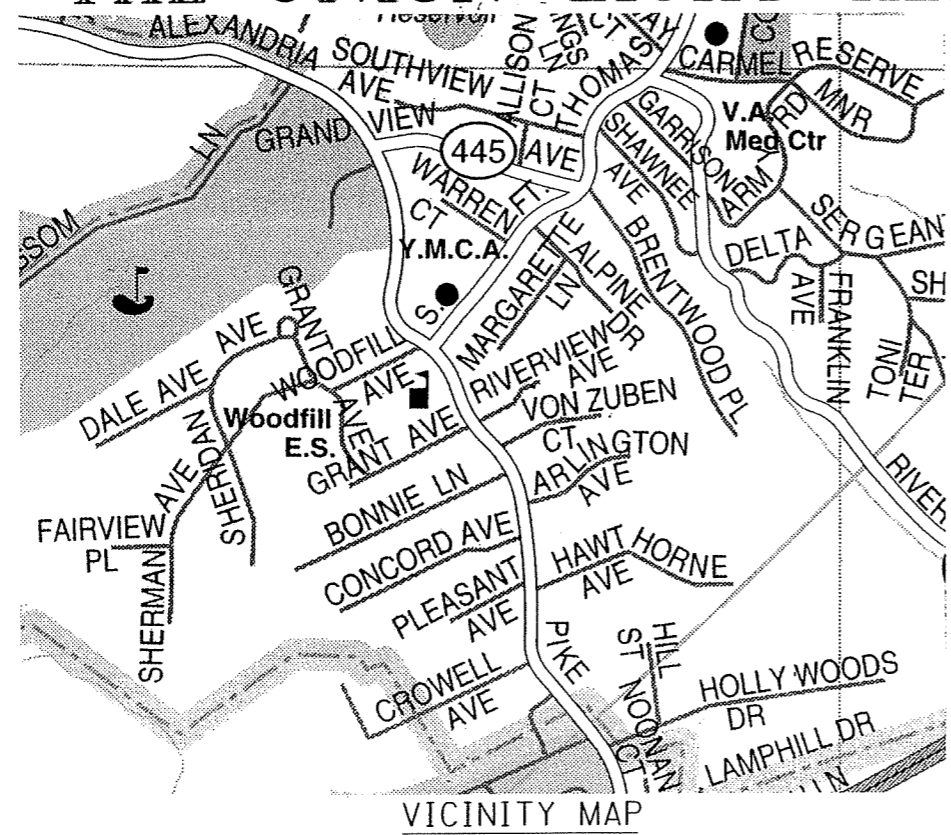


# THE UNION LIGHT HEAT & POWER CO.

15506 1  
42

TOTAL NUMBER OF SHEETS 42  
ESTIMATED AND ACTUAL UNITS OF WORK

**RECEIVED**  
MAR 10 2006  
PUBLIC SERVICE  
COMMISSION



UTILITY LOCATION CONTACTS	
TELEPHONE:	1-800-752-6007
ELECTRIC:	1-800-752-6607
SAN. SEWER:	414-2310
STORM SEWER:	
FT. THOMAS	441-1055
CAMPBELL CO	441-8575
HIGHLAND HEIGHTS	441-2310
WATER:	441-2310
CABLE T.V.:	431-7766
MUNICIPALITY:	
CAMPBELL CO	441-1055
HIGHLAND HEIGHTS	441-8575
FT. THOMAS	635-9100

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

MAIN ABANDONMENT		
12" SCPC-SP	1974	3'
12" SC-SP	1929	473'
12" SWPC-SP	1976	8'
12" SWPC-SP	1982	4'
2" ST-SP	1933	91'
3" S-SP	1924	165'
3" ST-SP	1924	270'
3" ST-SP	1929	462'
3" SW+CPC-SP	1989	2'
3" SWPC-SP	1989	3'
4" CIC-SP	1933	1161'
4" CIC-SP	1938	5'
4" CIC-SP	1958	6'
4" CIMJ-SP	1939	162'
4" CIMJ-SP	1943	164'
4" CIMJ-SP	1949	424'
4" CIMJ-SP	1953	63'
4" CIMJ-SP	1954	1328'
4" CIMJ-SP	1956	3'
4" CIMJ-SP	1958	1032'
4" S-SP	1924	200'
4" ST-SP	1924	160'
4" ST-SP	1928	798'
4" SW+PHPC-SP	1984	5'
4" SWPC-SP	1976	14'
4" SWPC-SP	1989	2'
4" SWPC-SP	1990	99'
6" CIC-SP	1935	1314'
6" CIMJ-SP	1954	723'
6" CIMJ-SP	1955	43'
6" CIMJ-SP	1957	625'
6" CIMJ-SP	1962	17'
6" DIMJ-SP	1982	584'
6" PL-SP	1999	7'
6" SC-SP	1925	1031'
6" S-SP	1928	45'
6" SWPC-SP	1976	18'
6" SWPC-SP	1982	22'
6" SWPC-SP	1991	2'
8" SWPC-SP	1999	63'

	WORK CODE
MAIN INSTALLATION	G0583120
SERVICE M-C INSTALLATION	MC0583120
SERVICE C-M INSTALLATION	CM0583120
ABANDONMENT	R0583120
METER RELOCATION	CIBS01MM

CPCN Filing  
March, 2006  
Module 312

DESIGN SPECIFICATION		GO-150 COMPOSITE	EST. QUANTITIES	ACTUAL QUANTITIES
ITEM DESCRIPTION (REF. GO-147)		SIZE & KIND		
BASIC UNITS OF CONSTRUCTION:		UNITS		
LENGTH OF MAIN		2" PL	(L)IN. FT.)	93'
		3" PL	(L)IN. FT.)	2'
		4" PL	(L)IN. FT.)	6,819'
		6" PL	(L)IN. FT.)	4,213'
		4" S	(L)IN. FT.)	228'
SPECIALS INSTALLED		6" S		836'
		8" S		31'
		12" S		594'
TOTAL INSTALLATION				
SIZE, KIND & FOOTAGE REMOVED FOR TIE-INS				
BORING WITHOUT CASING				
BORING WITH CASING				
CASING & CARRIER				
VALVE ASSEMBLY COMP.				
X-RAY OF WELD				
SERVICE CONNECTIONS				
ROCK EXCAVATIONS				
BANKRUN REQUIRED				
NATIVE SOIL - COMPACTED				
CONCRETE PAVEMENT				
GRANITE OR BRICK PAVEMENT				
ASPHALT CONC. SURFACE OVER CONCRETE				
ASPHALT CONC. ON STONE / ASPHALT BASE				
TEMPORARY RESTORATION				
SIDEWALK RESTORATION				
DRIVEWAY RESTORATION				
BERM RESTORATION				
GRASS RESTORATION				

- 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

AUTHORIZED  
NOV.23, 2005  
CONSTRUCTION  
DRAWING

DESIGN REVIEW OF  
COMPLETED CONSTRUCTION JOB  
SPONSOR \_\_\_\_\_ DATE \_\_\_\_\_  
FIELD CHANGE REQUEST DOCUMENT  
REQUIRED: YES  NO   
MAOP VERIFICATION BLOCK  
REQUIRED: YES  NO

RESTORATION INFORMATION MAINS ONLY										FOR E&P USE ONLY		** PERMIT REQUIRED		IS WORK WITHIN 15' OF CIVIL TREE		
CONTR. NO.	PERMIT NO.	WORK ORDER	COMMUNITY	COMM. CODE	SUB. CODE	DIST. AREA	PAVING CODE	SIZE OF OPENING	LESS THAN 18" COV.	AHEAD OF PAVING	HOUSE OR BLOCK NO.	DISTANCE & DIRECTION	STREET NAME	DIST. & DIRECT. FROM INTERSECTING STREET	INTERSECTING STREET	SKETCH
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								
								X								

REMARKS:

JOB # \_\_\_\_\_ CREW LEADER \_\_\_\_\_ EMPLOYEE # \_\_\_\_\_  
DATE COMPLETED \_\_\_\_\_ FIELD SUPERVISOR \_\_\_\_\_ EMPLOYEE # \_\_\_\_\_

E&P USE ONLY | PAVING ENTERED \_\_\_\_\_

NOV.18,04

\* SERVICE CUTS ARE TO BE REPORTED ON INDIVIDUAL JOB CONTROL FORMS  
\*\* PERMIT NUMBER REQUIRED FOR CITY OF CINCINNATI, MORROW, HAMILTON COUNTY, AND STATE OF KENTUCKY

TEST CONN. PER STANDARD 7.7.1  
NO. PROPOSED 22  
NO. INSTALLED \_\_\_\_\_  
NO. TESTED OK (P/S INDICATOR) \_\_\_\_\_

CORROSION ENGINEERING  
APPR. BY \_\_\_\_\_  
COATING TYPE \_\_\_\_\_  
INSPECTION VISUAL \_\_\_\_\_ JEEP   
TYPE PATCH MATERIAL \_\_\_\_\_

NO. INSTALLED 3"  
NO. INSTALLED 3"  
NO. INSTALLED 17"

PLASTIC SEPARATIONS INSTALLED   
CONTINUITY OF COUPLINGS CHECKED   
CASING CHECKED FOR SHORT

CONDITION OF PIPE COATING WHEN DELIVERED TO JOB:  
GOOD  FAIR  POOR

INSULATION CHECKED   
NO. CHECKED \_\_\_\_\_

FIELD PRESSURE TEST  
ALL PIPELINES REQUIRED TESTING BEFORE PLACING INTO SERVICE. PRESSURE CHARTS AND FORMS SHOULD BE FORWARDED TO GAS ENGINEERING AND PLANNING

REQUIRED TEST PRESSURE RANGE:  
MIN. 90 PSIG TO MAX. 100 PSIG  
HOURS 24 MEDIUM AIR

TESTED BY \_\_\_\_\_ DATE \_\_\_\_\_

SUPERVISOR BLOCK  
SUPERVISOR OR CONTRACTOR \_\_\_\_\_  
RECORDED BY \_\_\_\_\_  
STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_

NOVAK ENG. SPONSOR: DOUGLAS B. COURTNEY LINE NO. 517-782-5531 RESPONSIBILITY DESIGN  
GAS ENG. SPONSOR: DAVE BRODBECK LINE NO. 513-287-1001 RESPONSIBILITY DESIGN REVIEW  
CONSTRUCTION CONTACT: D. WESTENBURG LINE NO. 287-2588

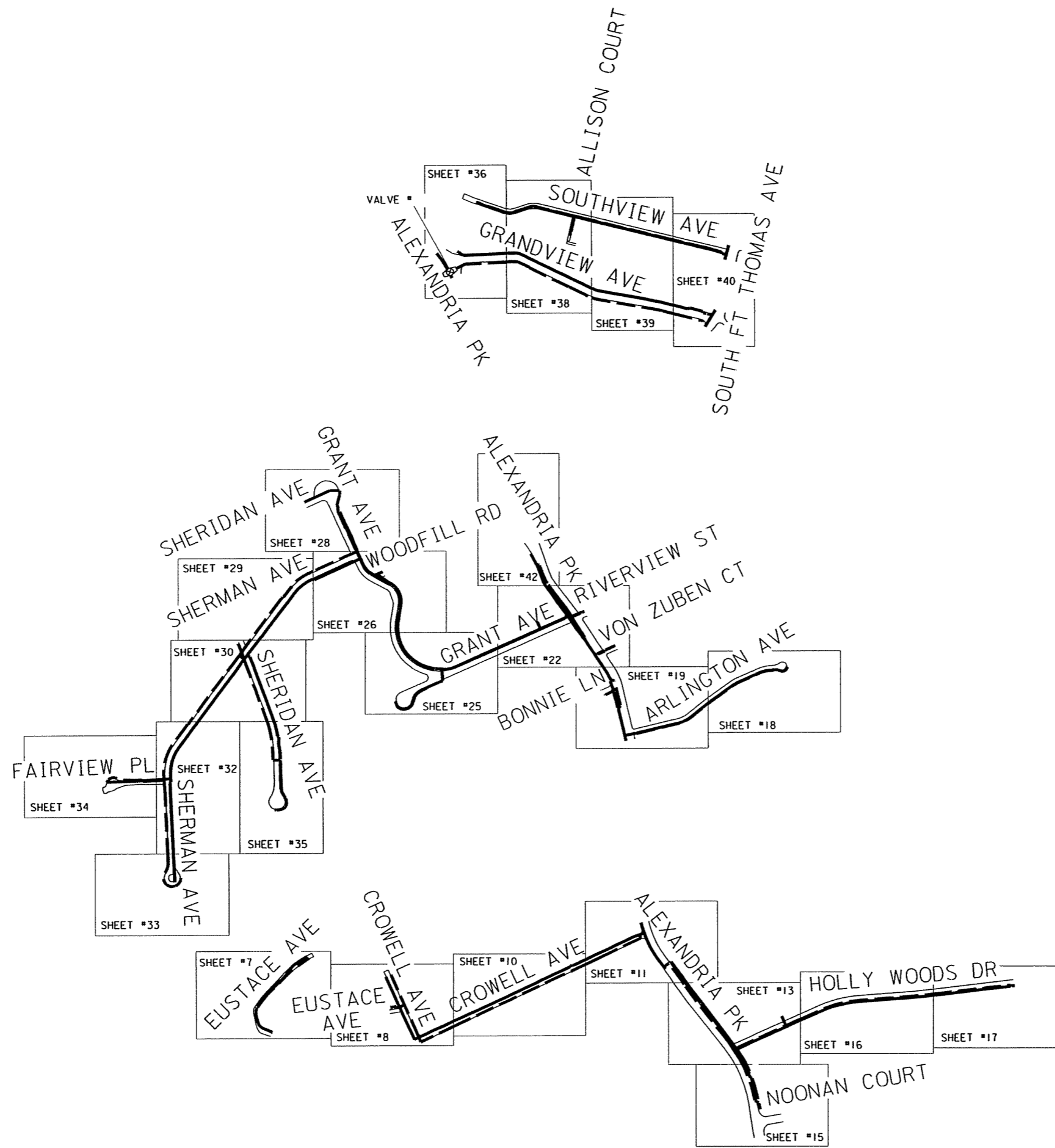
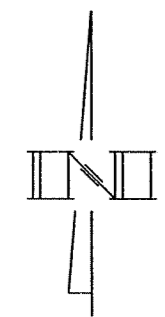
PERMITS REQUIRED: \_\_\_\_\_

PASSPORT #00603958

GAS DEPT.		MOD 312		DISTRICT C E N W N SE SW W	
DRAWN	NEI 5-14-04	MAIN REPLACEMENT		SCALE	AS NOTED
CHECKED				I.D. NO.	05-8312-0
APPROVED		FT. THOMAS, KENTUCKY		W.O. NO.	B7916
APPROVED				EST. FOOTAGE	11,817'
MAP NO.	S102E011-411	DRAWING NO.	05-8312-0		

REVISIONS





REVISIONS

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05-8312-0





MAIN MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST	ACTUAL
2-TE68	2" x 1" ELECTROFUSION TEE	0000903925	2	
2-TE70	4" IPS x 1" CTS ELECTROFUSION TEE	0050093846	30	
2-TE71	6" IPS x 1" CTS ELECTROFUSION TEE	0050093842	4	
2-TE72	8" IPS x 1" IPS ELECTROFUSION TEE	050093841	2	
4PLDR	4" IPS BUTT FUSION TEE	0050057867	7	
	4" IPS BUTT FUSION CAP	0050057347	7	
	ROUND VALVE BOX LID	0050057324	7	
	ROUND VALVE BOX	0050057322	7	
	4" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093846	7	
	3/4" BRASS CAP	0050092280	7	
	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	7	
	1" - 90 DEG.CTS STAB ELL	0000520567	7	
	4" x 1" ELECTROFUSION TEE	903923	7	
	1" STAB COUPLING	0050090652	7	
6PLDR	ROUND VALVE BOX	0050057322	2	
	6" x 1" ELECTROFUSION TEE	903927	2	
	1" x 3/4" PL-BRASS TRANSITION FITTING	0000520028	2	
	ROUND VALVE BOX LID	0050057324	2	
	1" - 90 DEG.CTS STAB ELL	0000520567	2	
	3/4" BRASS CAP	0050092280	2	
	1" STAB COUPLING	0050090652	2	
	6" IPS BUTT FUSION TEE	0050088411	2	
	6" IPS BUTT FUSION CAP	0050088404	2	
	6" x 1" CTS SADDLE FUSION TAPPING TEE W/ STAB OUTLET	0050093842	2	
AN3	17" GALVOMAG	0050056182	25	
AS2	STEEL PRESSURE STEM ASSEMBLY		2	
AS3	RECT.VALVE BOX ASSEMBLY	0050057269	1	
B10	TRACER WIRE BOX	0050057326	2	
B08	CATHODIC TERMINAL BOX	0050057325	22	
B09	ROUND VALVE BOX	0050057322	18	
	ROUND VALVE BOX LID	0050057324	18	
CA10	6" WELD CAP	0050057340	1	
CA32	2" IPS PURGE POINT FITTING	0050057593	8	
CO10	6" COUPLING #39 S-S INS	0050057458	2	
CO11	8" COUPLING #39 S-S INS	0050057459	1	
CO12	12" COUPLING #39 S-S INS	0050057460	4	
CO22	4" S x 2" PL REDUCING COUPLING W/ STIFFENER	0050057495	1	
CO23	4" S x 3" PL REDUCING COUPLING W/ STIFFENER	0050057497	1	
CO3	4" COUPLING #38 S-S NON-INS	0050057418	5	
CO30	6" ELECTROFUSION COUPLING	0050091357	14	
CO33	4" COUPLING #711 S-PL WITH STIFFENER	0050057434	5	
CO34	6" COUPLING #711 S-PL WITH STIFFENER	0050057436	1	
CO39	2" ELECTROFUSION COUPLING	0050057409	1	
CO4	6" COUPLING #38 S-S NON-INS	0050057419	9	
CO40	3" ELECTROFUSION COUPLING	0050057408	2	
CO41	4" ELECTROFUSION COUPLING	0050057407	22	
CO43	4" x 2" S-S REDUCING COUPLING NON-INS	0050057495	1	
CO47	8" ELECTROFUSION COUPLING	0050092525	2	
CO49	8" COUPLING #711 S-S NON-INS	0050092528	1	
CO6	12" COUPLING #38 S-S NON-INS	0050057422	4	
CO8	3" COUPLING #39 S-S INS	0050057456	1	
CO9	4" COUPLING #39 S-S INS	0050057457	1	
EL14	4" - 45 DEG. WELD ELL	0050057537	9	
EL15	6" - 45 DEG. WELD ELL	0050057559	2	
EL17	12" - 45 DEG. WELD ELL	0050057549	8	
EL38	4" - 45 DEG. IPS BUTT FUSION ELL	0050057554	18	
EL39	4" - 90 DEG. IPS BUTT FUSION ELL	0050057555	2	
EL4	6" - 90 DEG. L.R. WELD ELL	0050057543	1	
EL43	6" - 45 DEG. IPS BUTT FUSION ELL	0050088405	10	
EL44	6" - 90 DEG. IPS BUTT FUSION ELL	0050088406	3	
FL13	4" 150# SLIP ON FLANGE	0050057649	1	
IN3	4" 150# INSULATING SET	0000470053	1	
P2	3" SWPC PIPE .188 API 5L - GRADE B	0050056061	3'	
P21	2" IPS PLASTIC PIPE - 40' .216 SDR 11	0050056057	93'	
P22	4" IPS PLASTIC PIPE - 40' .395 SDR 11.5	0050056058	3,211'	
P26	3" IPS PLASTIC PIPE - 40' .302 SDR 11.5	0050088397	2'	
P27	6" IPS PLASTIC PIPE - 40' .491 SDR 13.5	0050088398	3,274'	
P3	4" SWPC PIPE .188 API 5L - GRADE B	0050056062	228'	
P30	4" IPS PLASTIC PIPE - 500' COIL .395 SDR 11.5	0000900260	2,808'	
P31	6" IPS PLASTIC PIPE - 500' COIL .491 SDR 13.5	0000900261	939'	
P4	6" SWPC PIPE .188 API 5L - GRADE B	0050056063	836'	
P5	8" SWPC PIPE .188 API 5L - GRADE B	0050056065	31'	
P6	12" SWPC PIPE .219 API 5L - GRADE B	0000520108	594'	
RE11	4" IPS x 2" IPS BUTT FUSION REDUCER	0050057758	11	
RE13	4" IPS x 3" IPS BUTT FUSION REDUCER	0050088409	2	
RE15	6" IPS x 4" IPS BUTT FUSION REDUCER	0050088410	10	
RE18	8" IPS x 6" IPS BUTT FUSION REDUCER	0050092516	1	
RE5	8" x 6" WELD REDUCER	0050057751	1	
RE7	6" x 4" WELD REDUCER	0050057750	1	
RE9	4" x 3" WELD REDUCER	0050057746	1	

MAIN MATERIAL LIST

ITEM	DESCRIPTION	STOCK NO.	EST	ACTUAL
SB	TRACER WIRE SPLIT BOLT	0000933615	8	
ST5	3" STIFFENER	0050057854	1	
ST6	4" STIFFENER	0050057855	2	
TE39	4" IPS BUTT FUSION TEE	0050057867	1	
TE4	6" WELD TEE	0050057889	1	
TE42	6" IPS BUTT FUSION TEE	0050088411	7	
TF3	4" PL-S TRANSITION FITTING	0050057595	1	
TF4	6" PL-S TRANSITION FITTING	0050088407	1	
TH14	4" x 3/4" THREDOLET	0050057179	1	
TH16	8" x 3/4" THREDOLET	0050057193	1	
TW1	TRACER WIRE	0050079028	20,654'	
VAS1	4" KERO VALVE *IF2WL W x F .237 WALL 275"	0050057964	1	
WE12	8" x 4" REDUCING BUTT WELDOLET	0050058134	1	
WE7	12" x 4" REDUCING BUTT WELDOLET	0050058149	2	
WE9	12" x 8" REDUCING BUTT WELDOLET	0050058140	1	
WR2	4" HEAT SHRINKABLE WRAP	0050057843	6	
WR3	6" HEAT SHRINKABLE WRAP	0050057844	21	
WR4	8" HEAT SHRINKABLE WRAP	0050057845	1	
WR5	12" HEAT SHRINKABLE WRAP	0050057846	15	
WAXC	COLD WAX TRENTON GREY COAT	0050086637	19	
WAXH	HOT WAX TRENTON INNER COAT	0050086635	2	
WAXI	WAX IMPREGNATED PLASTIC (TRENTON GUARD WRAP)	0050058162	33	
WAXP	WAX PRIMER TRENTON PRIME COAT	0050085819	7	
AT	AQUA SEAL TAPE	667667	1	
BT	1" ROLL BLACK TAPE	0050086501	33	
TAPE	3/4" ROLL TAPE	0050066551	10	
CAN	CAN OF FOAM	0050092405	55	
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	

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REVISIONS

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				337'	

NOTE: WAITING FOR INFORMATION ON WATER MAIN LOCATION

**GAS DEPARTMENT**  
CG&E CO - ULH&P CO - LG CO

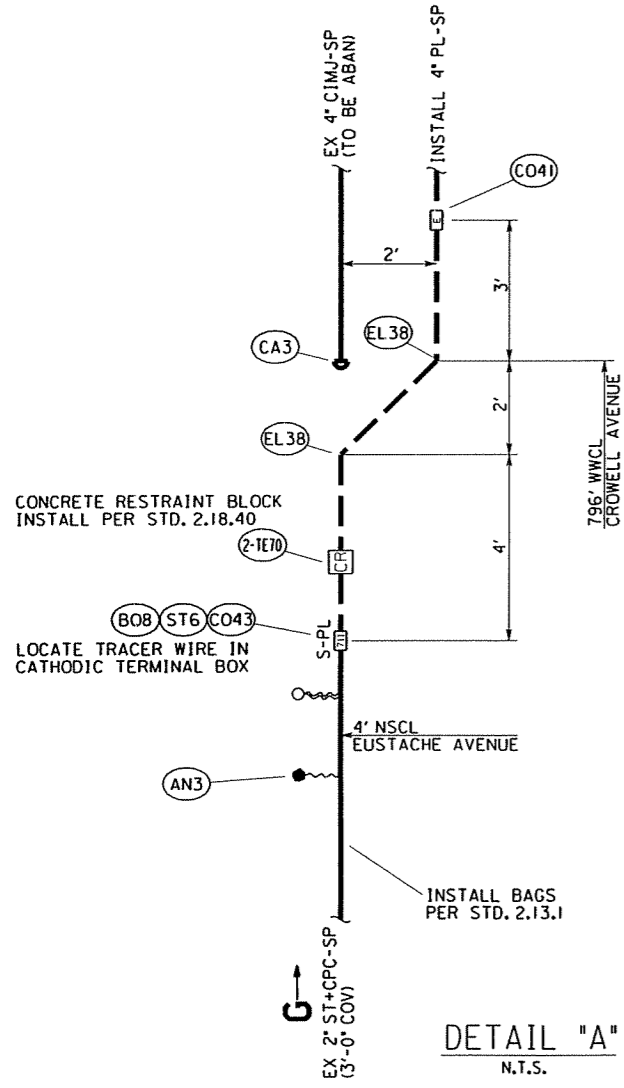
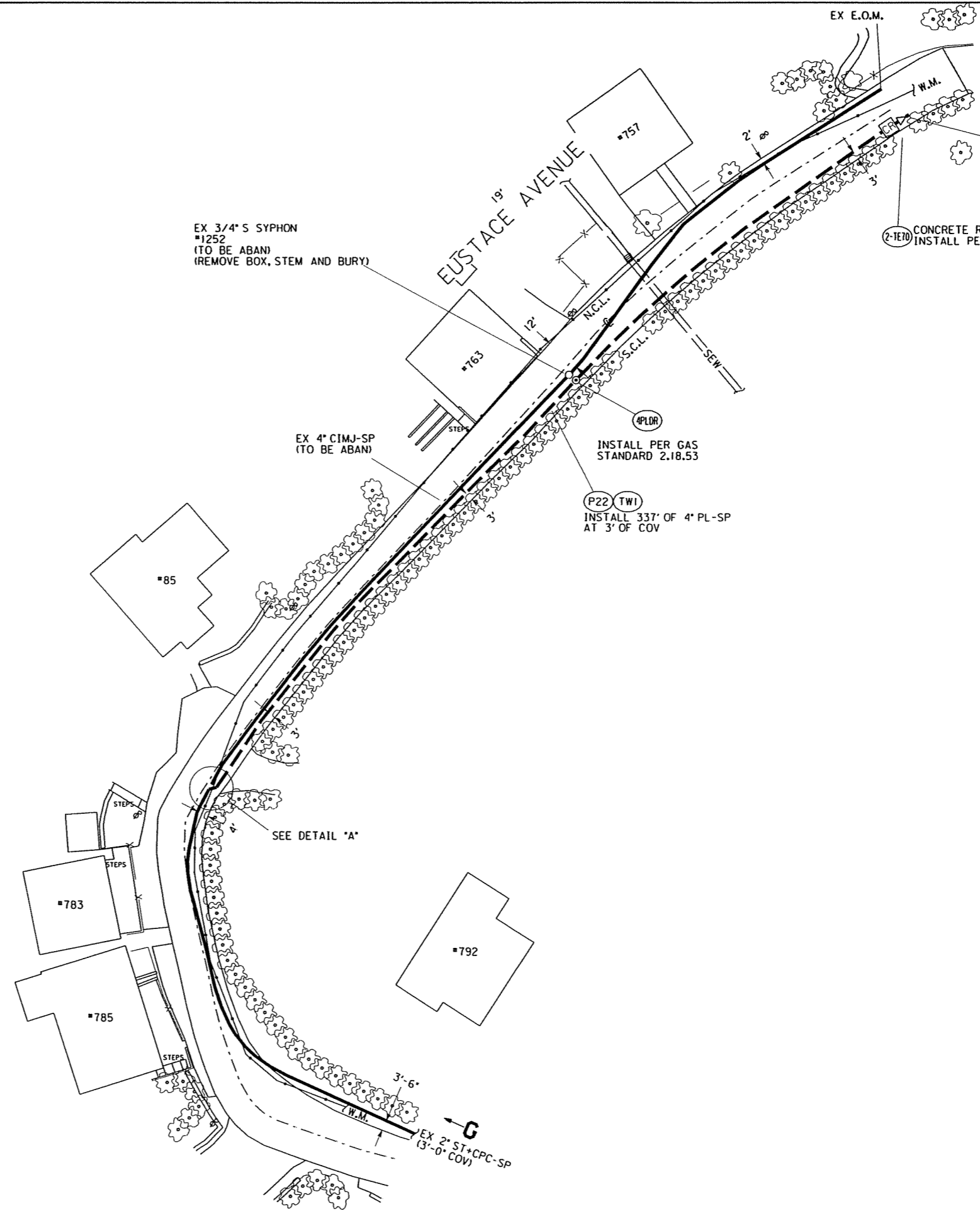
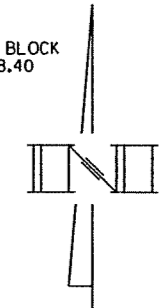
7  
42

SOUTHEAST DISTRICT

EXISTING MAIN SHOWN BASED ON AVAILABLE RECORDS

CA32 25' SSSL #19  
REI1 1165' WWCL CROWELL AVENUE

2-TET0 CONCRETE RESTRAINT BLOCK INSTALL PER STD. 2.18.40



**DETAIL "A"**  
N.T.S.

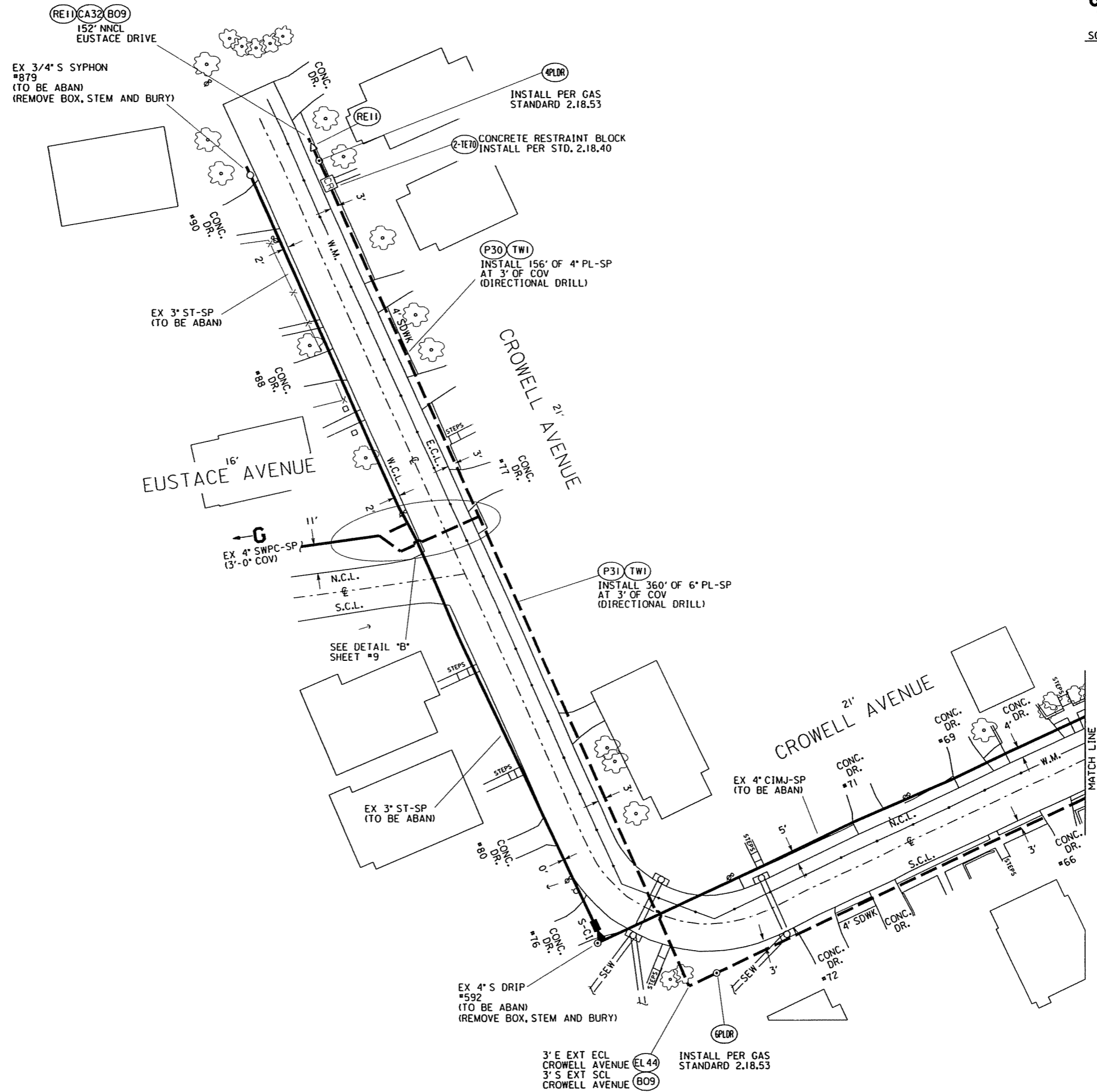
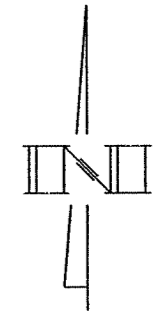
REVISIONS

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05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"		155'			
6"	206'	152'			

"WATER MAIN" SHOWN BASED ON AVAILABLE RECORDS LOCATED BY ENGINEER.



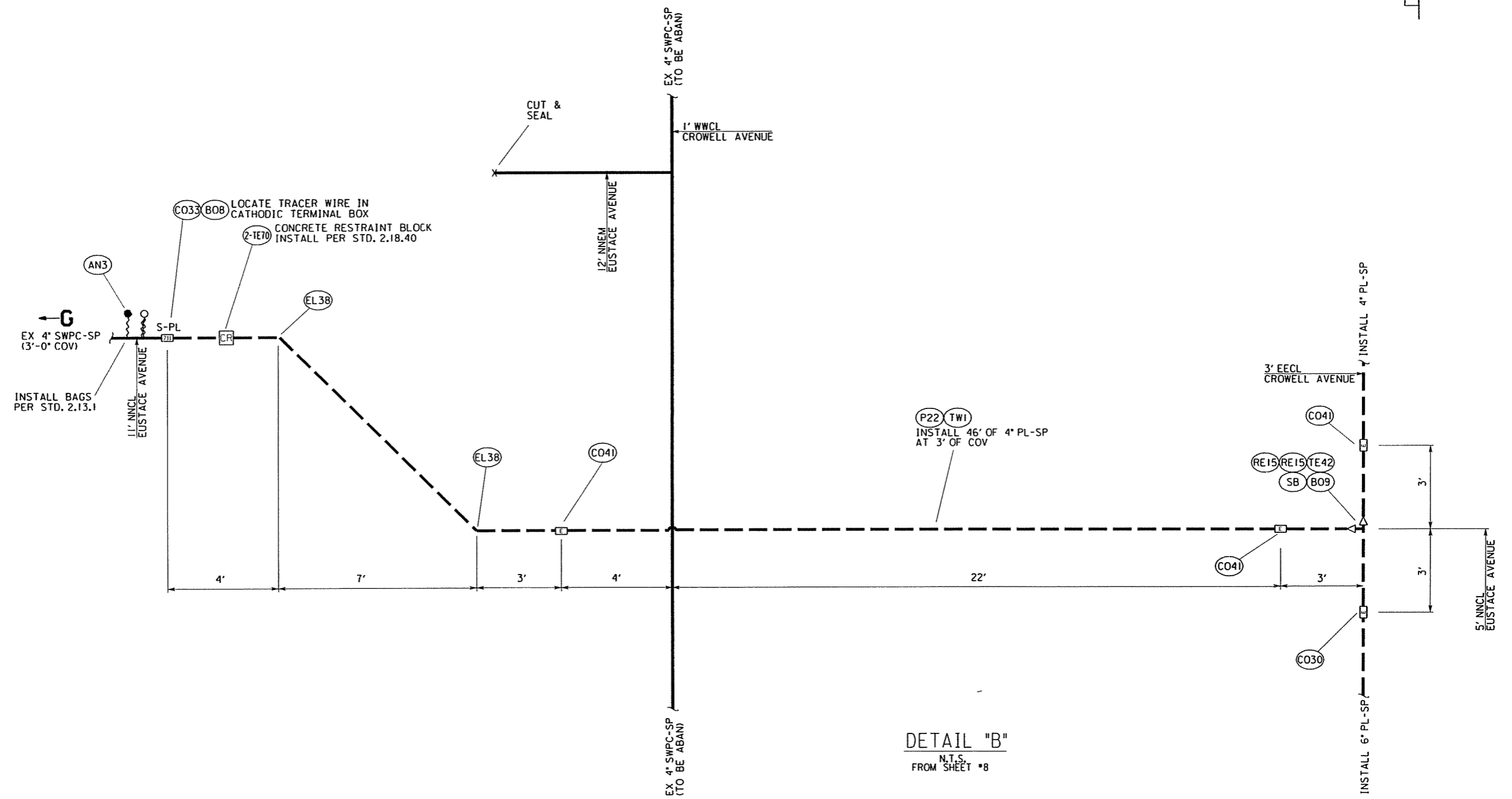
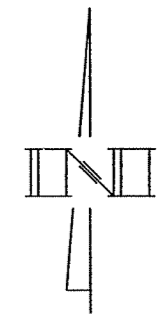
REVISIONS

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Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"			25'	21'	



DETAIL "B"  
N.T.S.  
FROM SHEET #8

REVISIONS

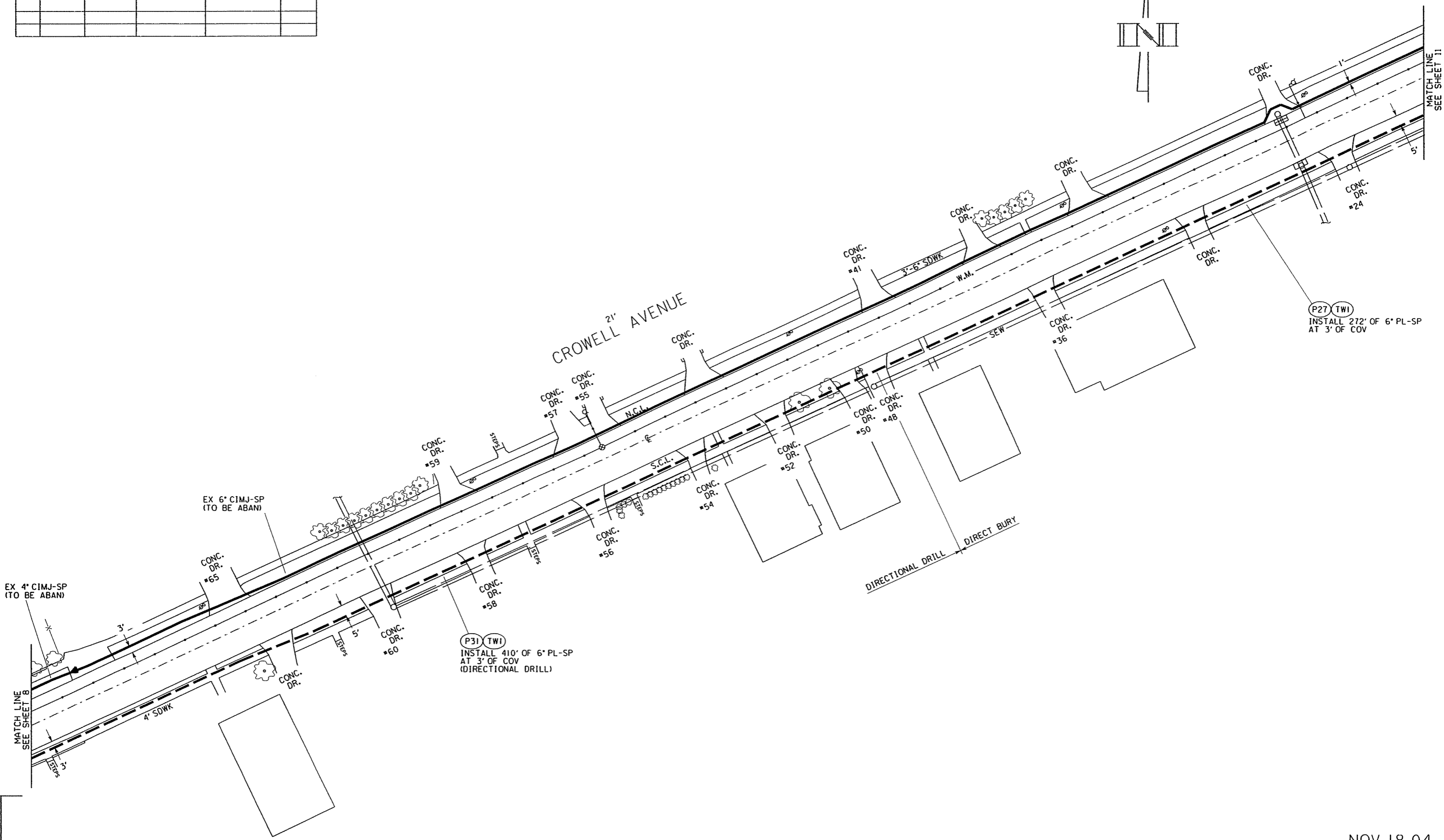
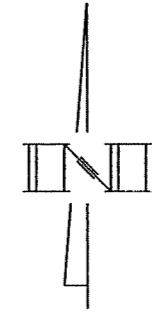
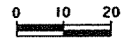
NOV.18,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"	280'	130'	272'		

**GAS DEPARTMENT**  
CG&E CO - ULH&P CO - LG CO

10  
42

SOUTHEAST DISTRICT



(P27) (TWI)  
INSTALL 272' OF 6" PL-SP  
AT 3' OF COV

(P31) (TWI)  
INSTALL 410' OF 6" PL-SP  
AT 3' OF COV  
(DIRECTIONAL DRILL)

EX 6" CIMJ-SP  
(TO BE ABAN)

EX 4" CIMJ-SP  
(TO BE ABAN)

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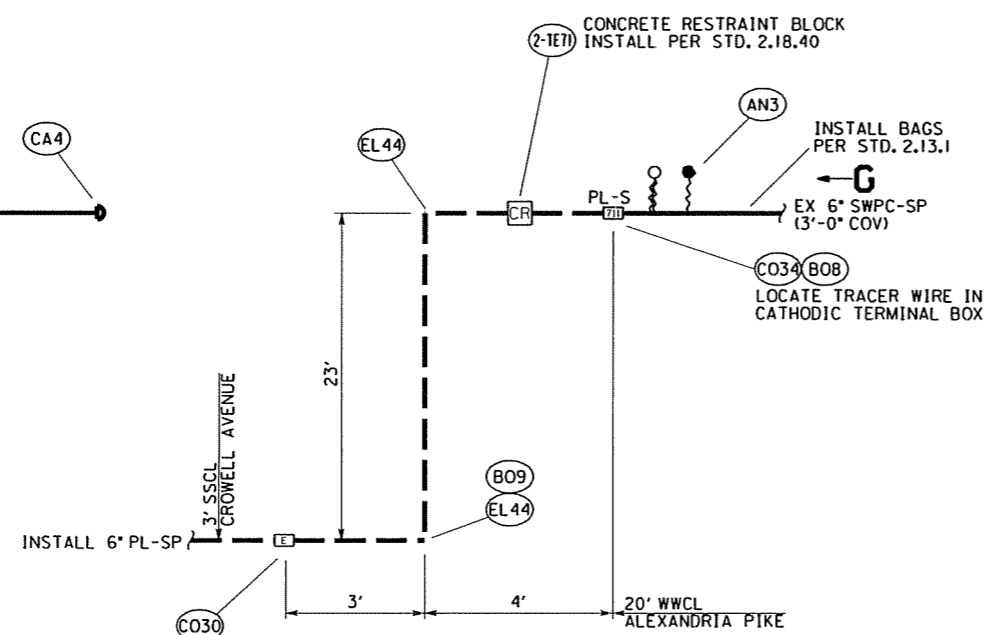
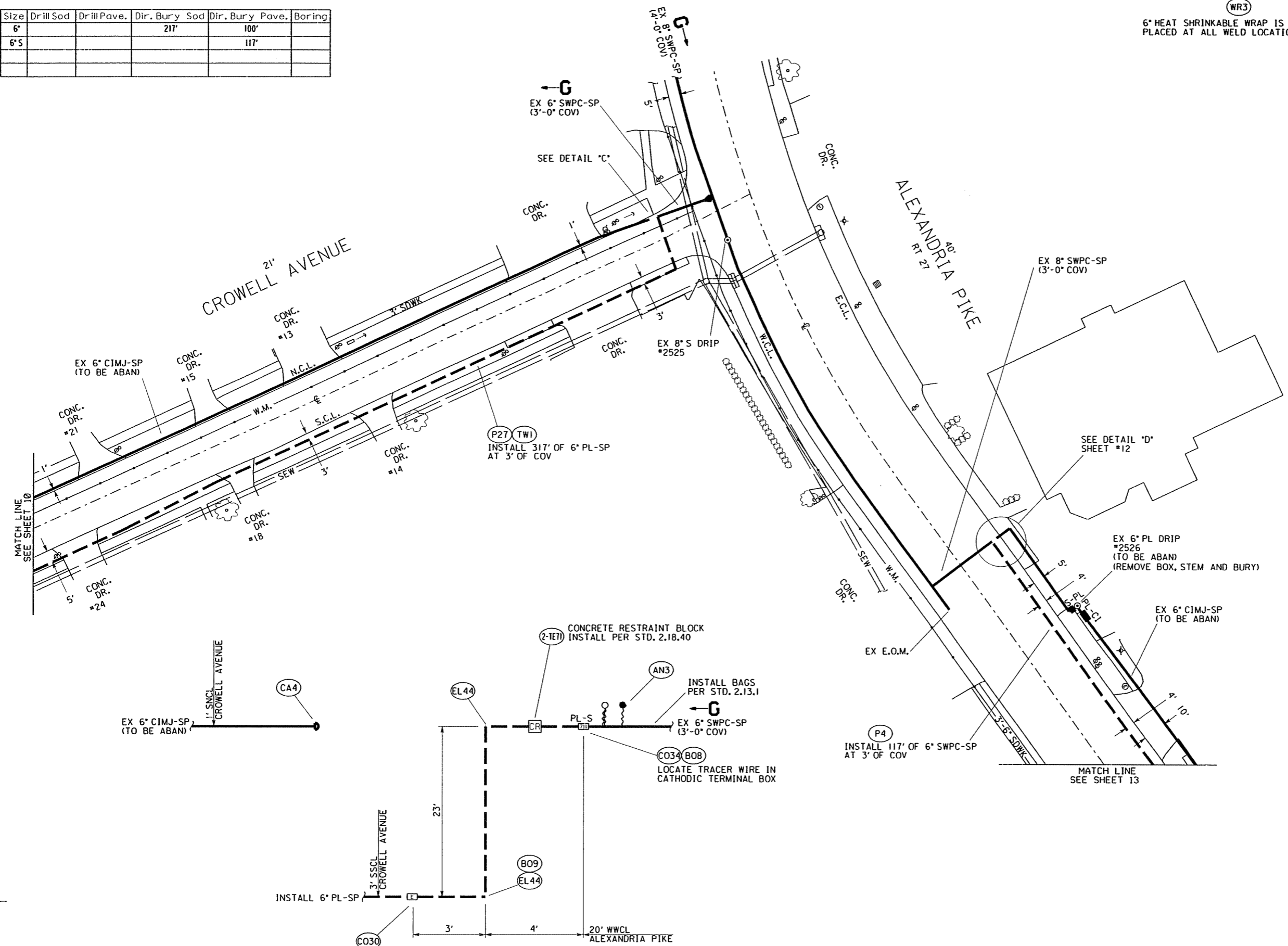
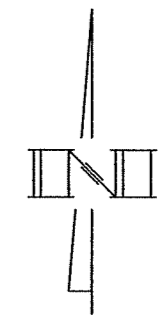
05 - 8312 - 0

REVISIONS

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"			217'	100'	
6'S				117'	

6" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.

SOUTHEAST DISTRICT



DETAIL "C"  
N.T.S.

REVISIONS

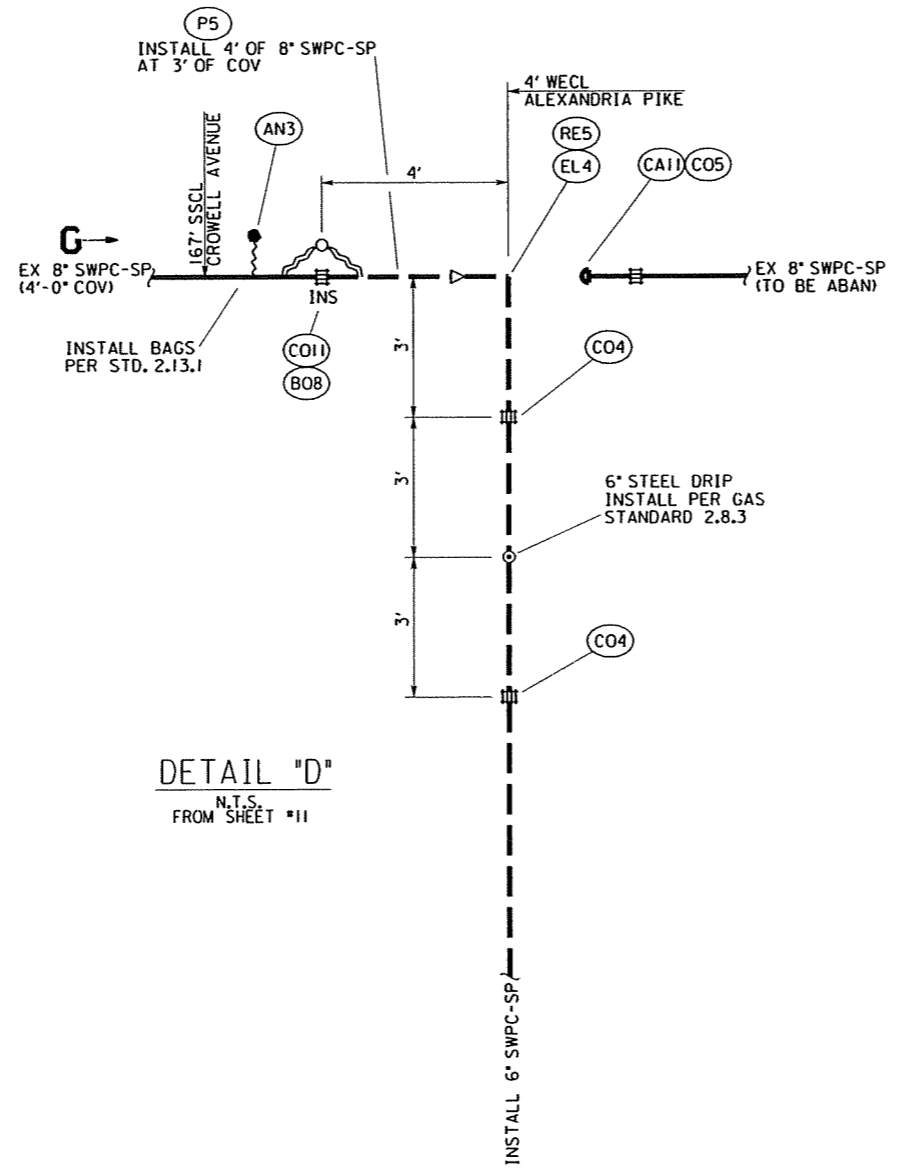
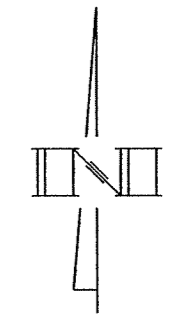
NOV.18,04

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Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
8" S				4'	

WR3  
6" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.

WR4  
8" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.



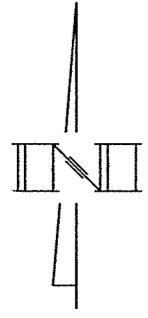
DETAIL "D"  
N.T.S.  
FROM SHEET #11

REVISIONS

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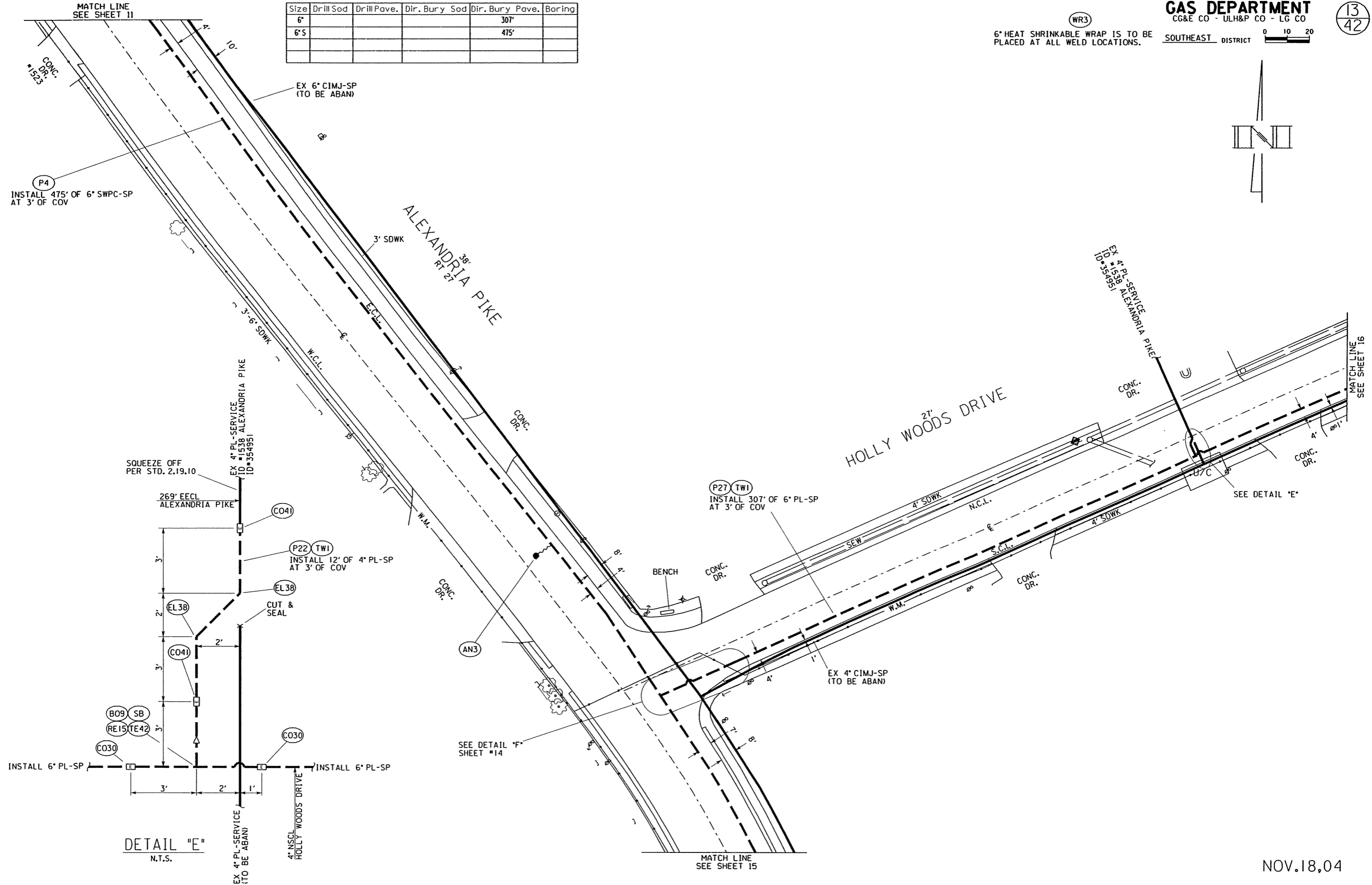
6" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"				307'	
6"S				475'	



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INSTALL 475' OF 6" SWPC-SP AT 3' OF COV

EX 6" CIMJ-SP (TO BE ABAN)

ALEXANDRIA PIKE

HOLLY WOODS DRIVE

DETAIL "E" N.T.S.

REVISIONS

SEE DETAIL "F" SHEET #14

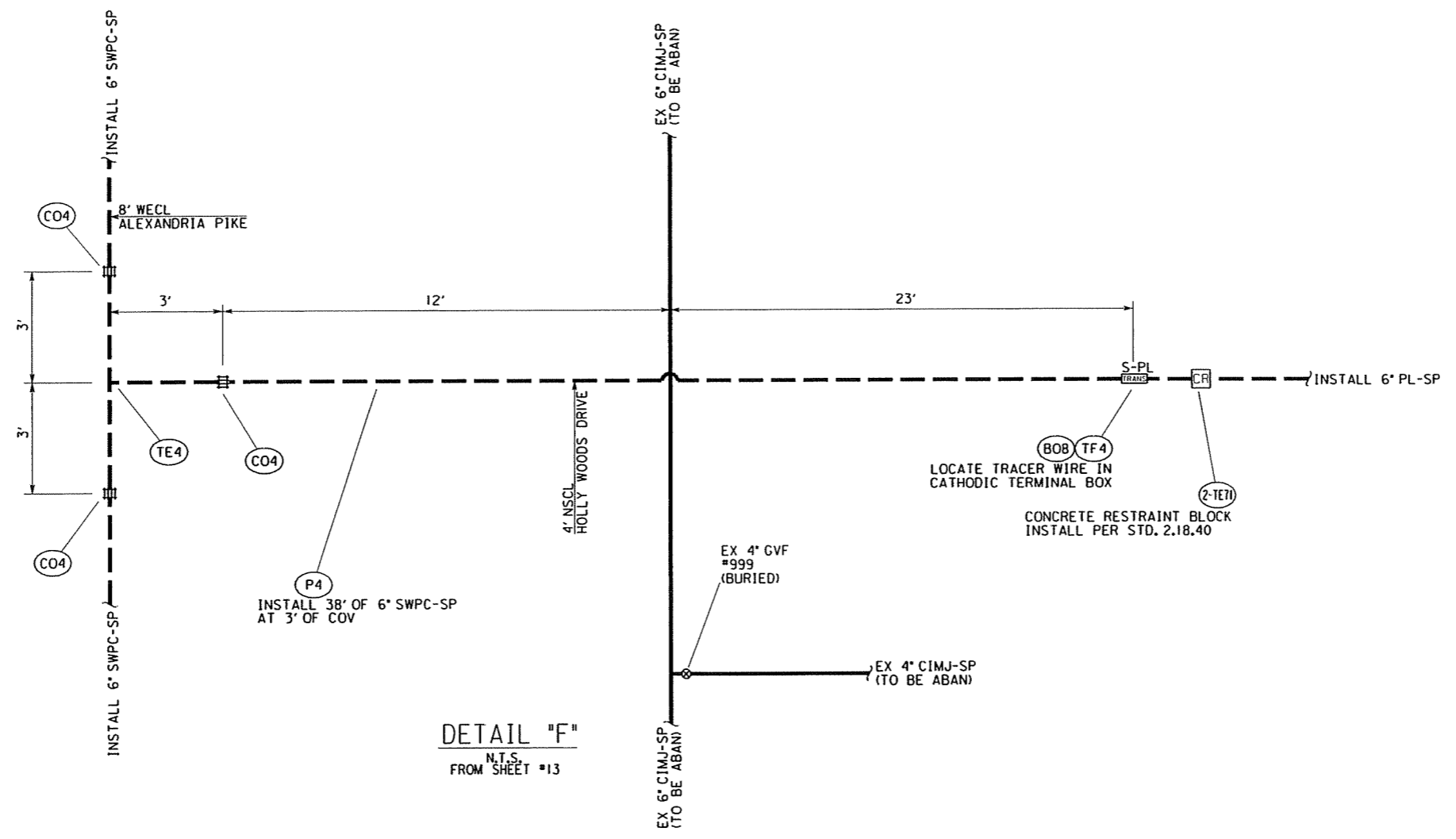
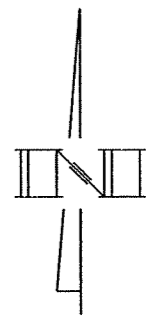
MATCH LINE SEE SHEET 15

SEE DETAIL "E"

MATCH LINE SEE SHEET 16

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6" S				38"	

WR3  
6" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.



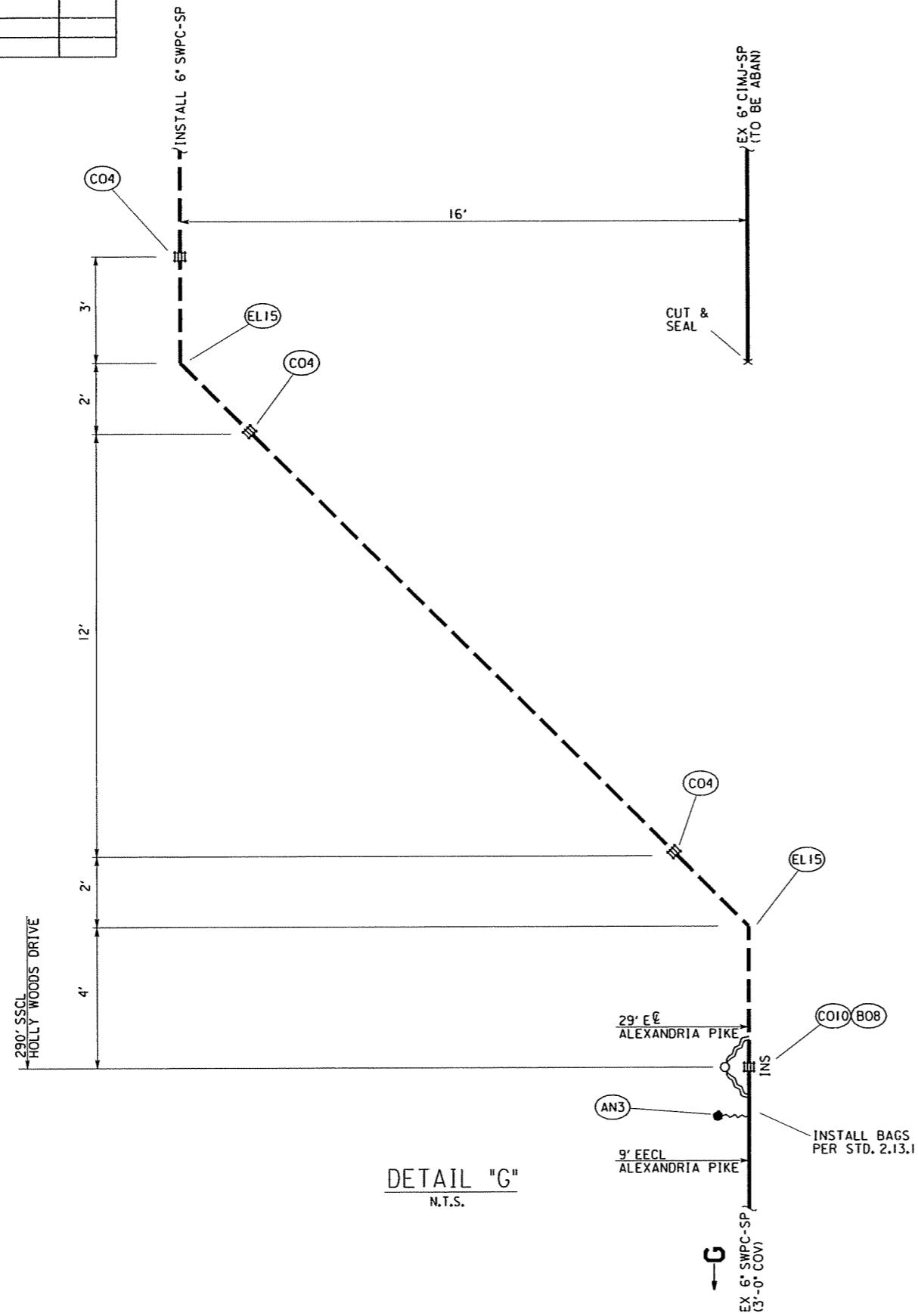
**DETAIL "F"**  
N.T.S.  
FROM SHEET #13

REVISIONS

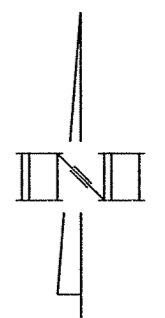
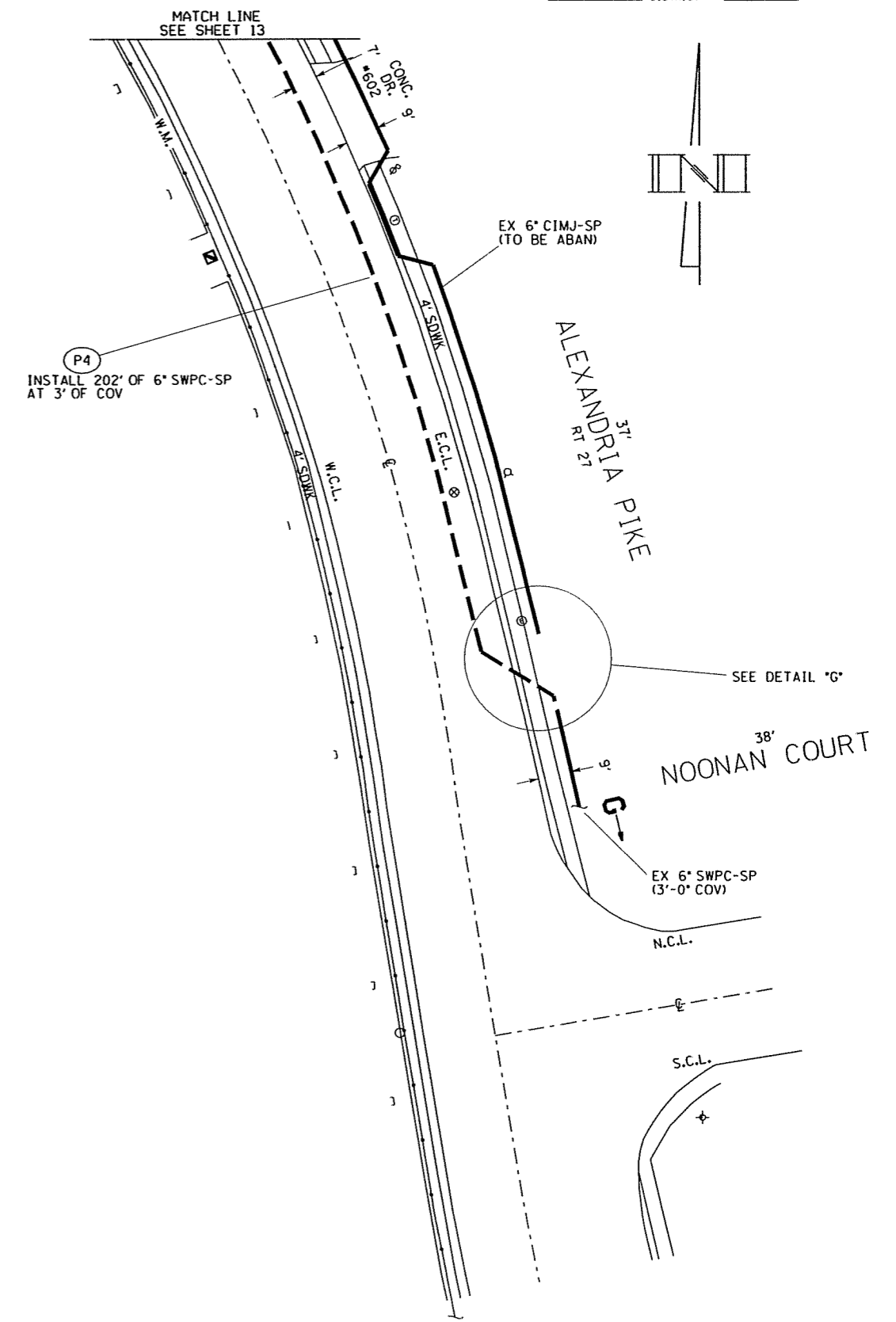
NOV.18,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6" S			9'	193'	

6" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.



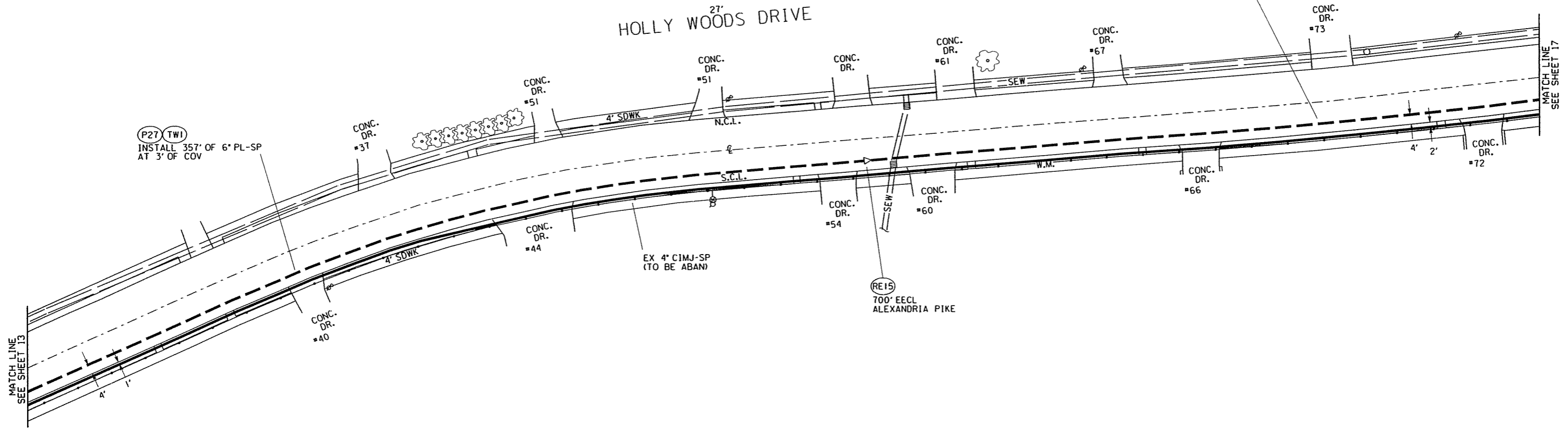
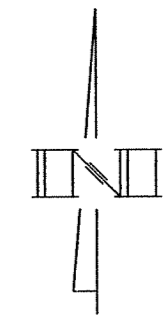
**DETAIL "G"**  
N.T.S.



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REVISIONS

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				279'	
6"				357'	



MATCH LINE  
SEE SHEET 13

MATCH LINE  
SEE SHEET 17

REVISIONS

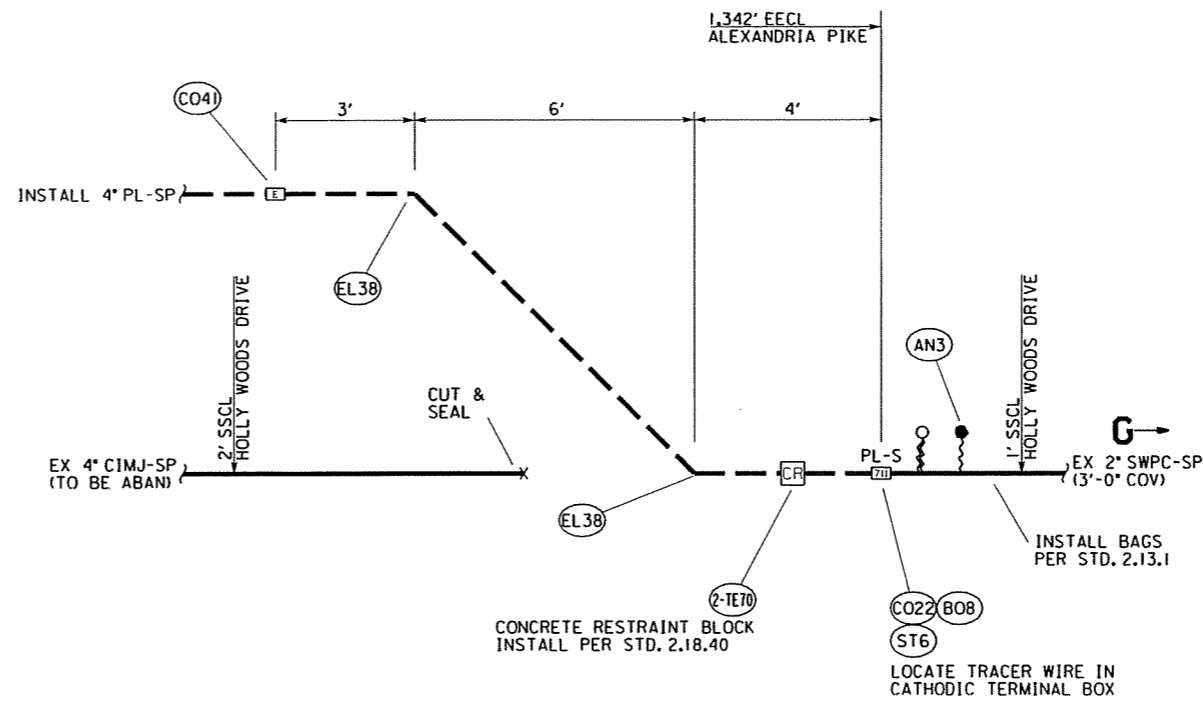
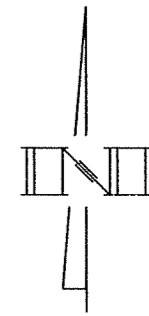
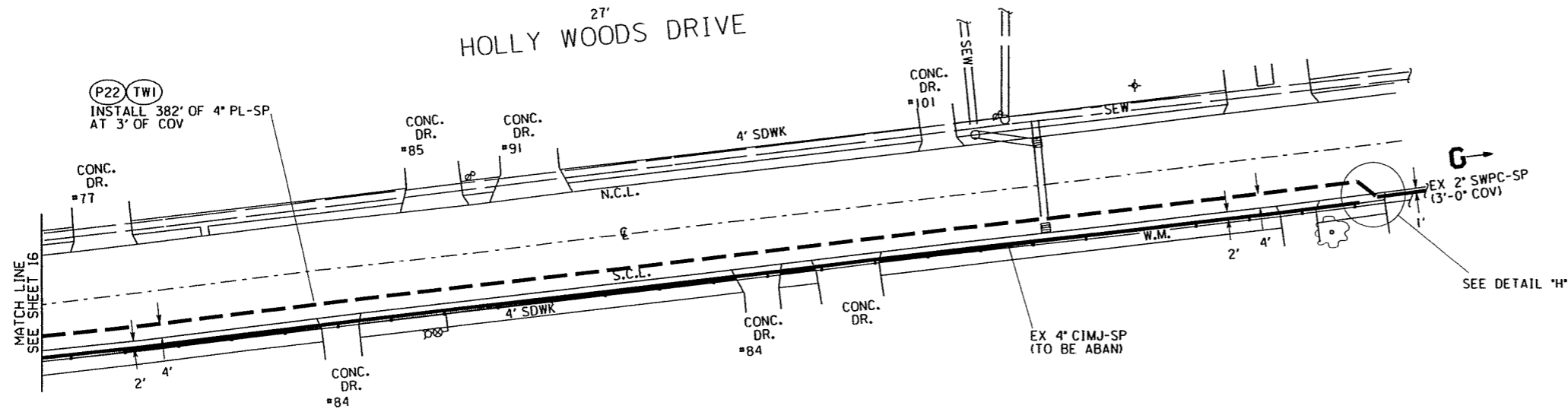
NOV.18,04

05-8312-0



Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				382'	

27'  
HOLLY WOODS DRIVE

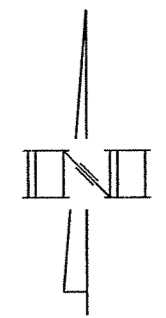


**DETAIL "H"**  
N.T.S.

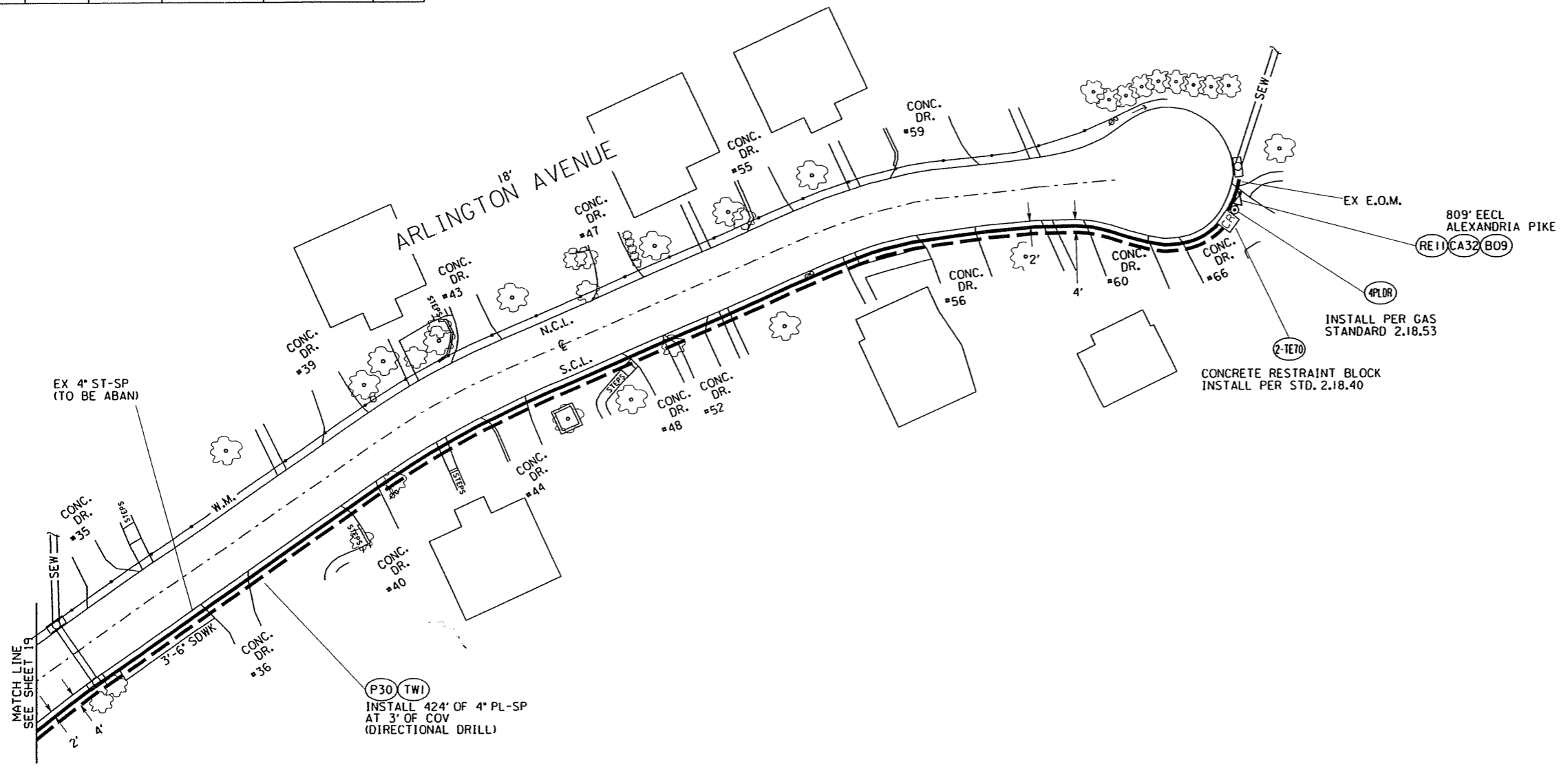
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Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"	424'				



REVISIONS

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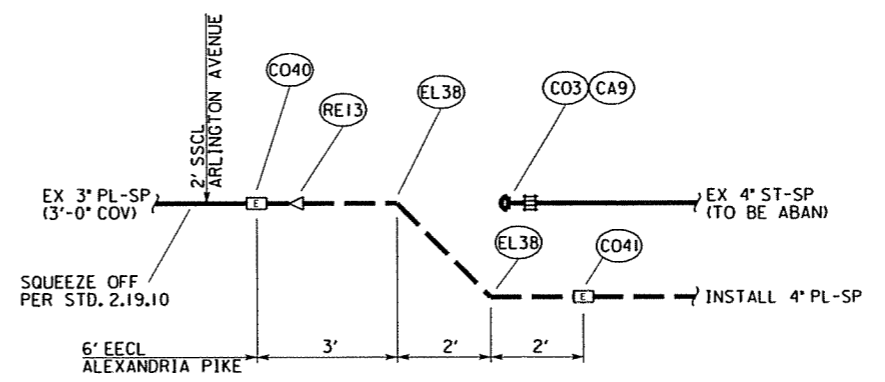
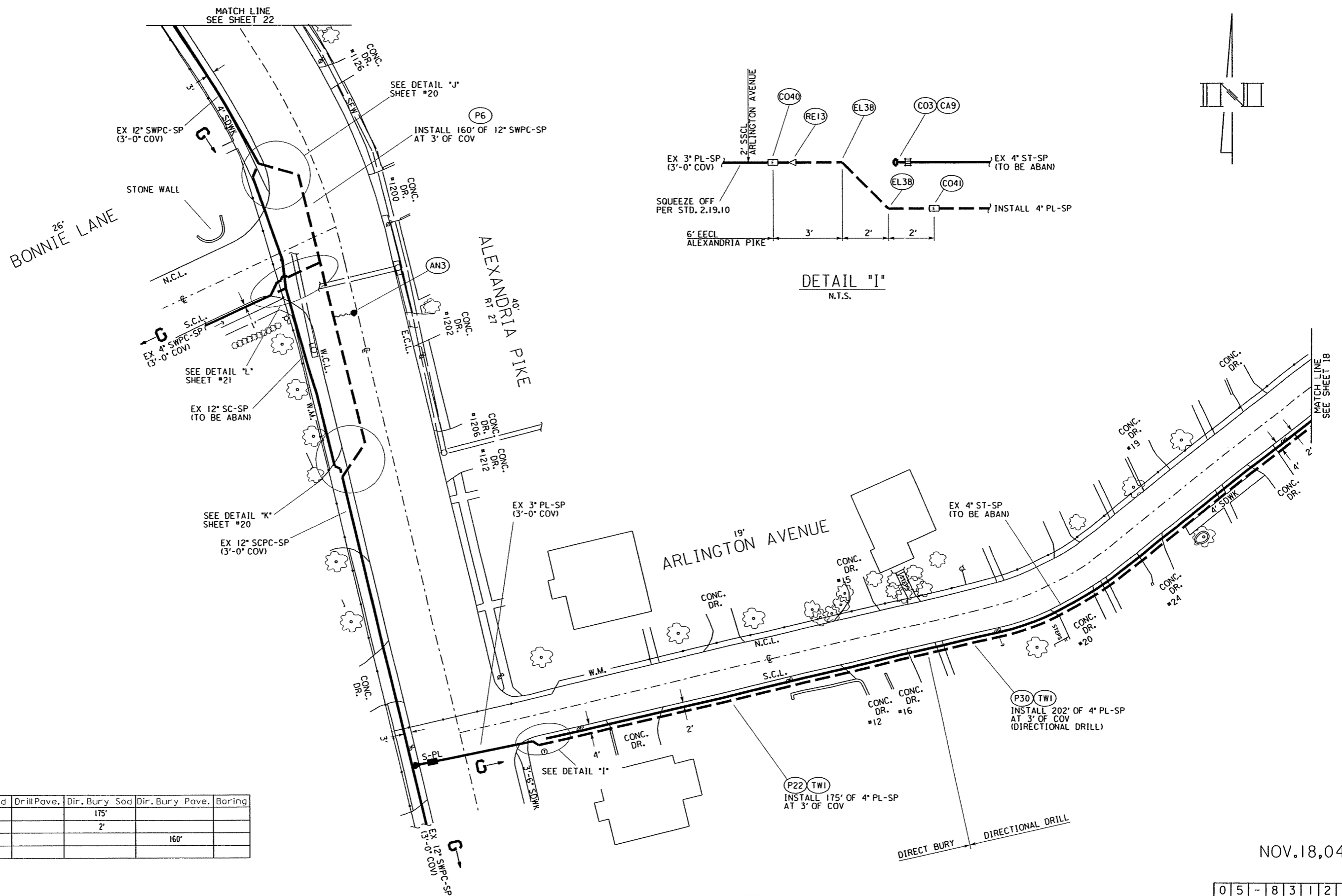
05-8312-0

(WRS)  
 12" HEAT SHRINKABLE WRAP IS TO BE  
 PLACED AT ALL WELD LOCATIONS.

**GAS DEPARTMENT**  
 CG&E CO - ULH&P CO - LG CO

19  
 42

SOUTHEAST DISTRICT 0 10 20

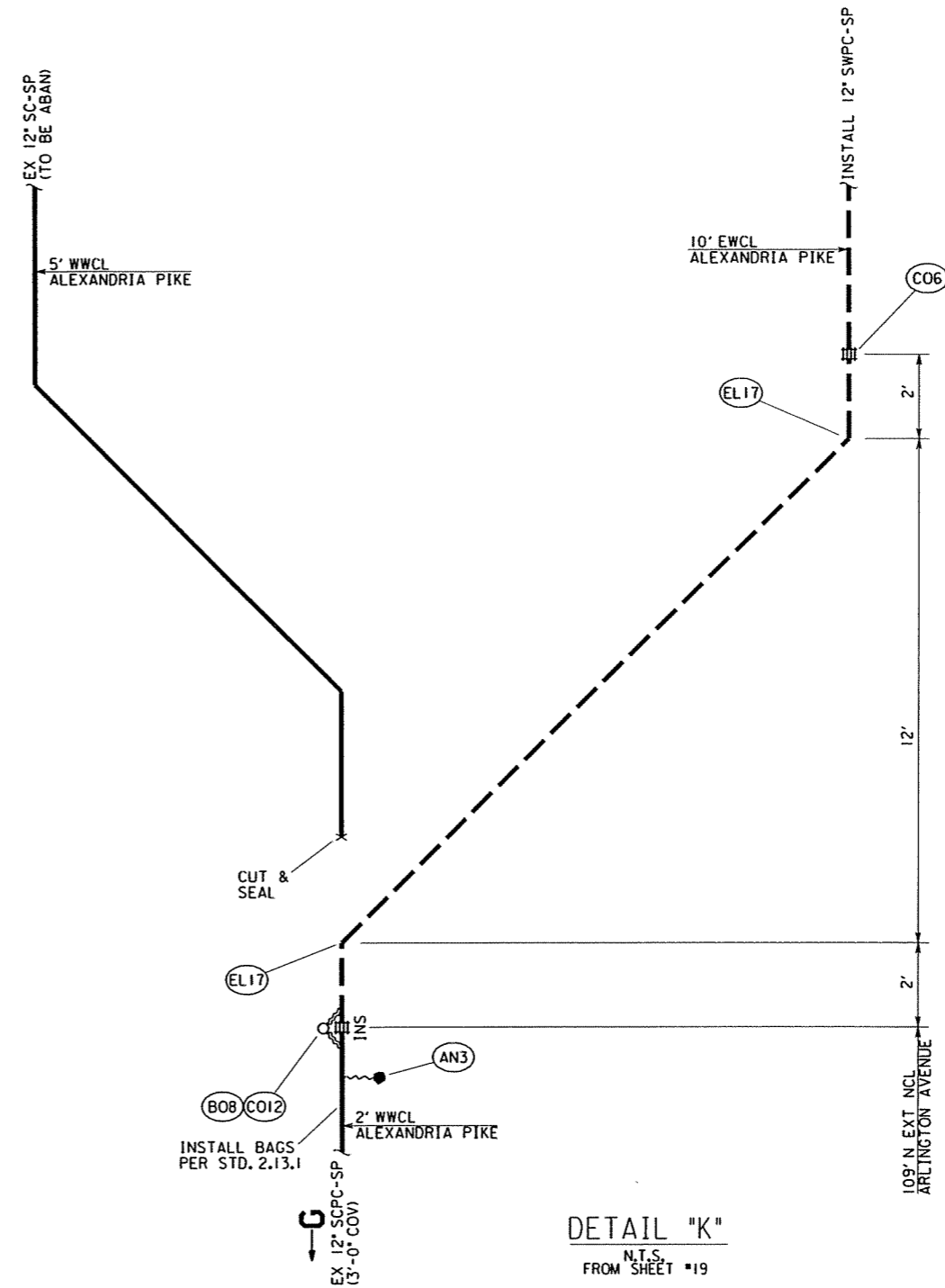
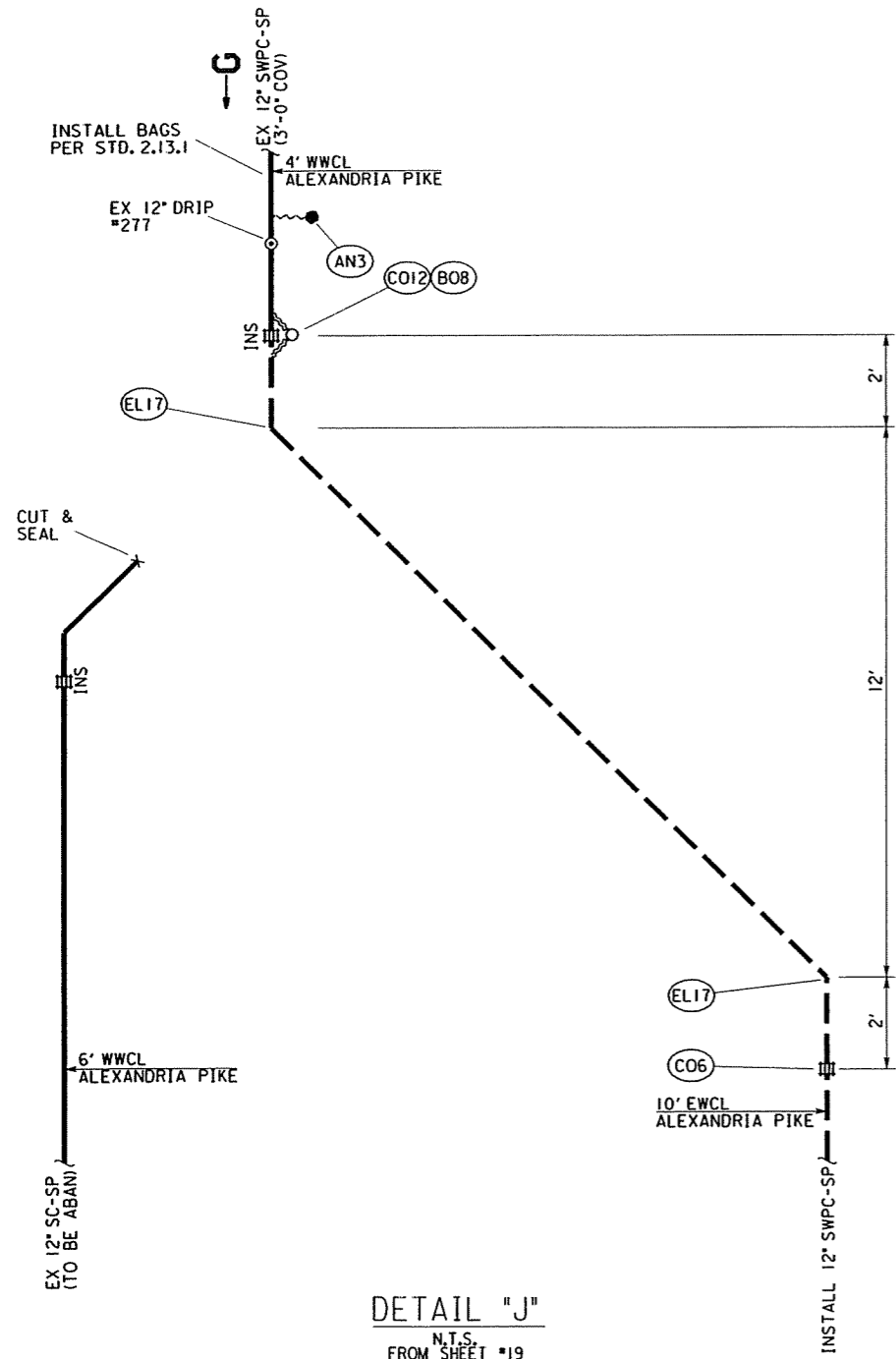
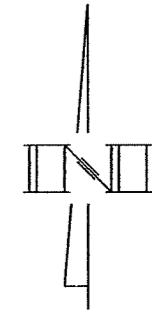


Size	Drill Sod	DrillPave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"	202'		175'		
3"			2'		
12"				160'	

REVISIONS

NOV.18,04

05-8312-0



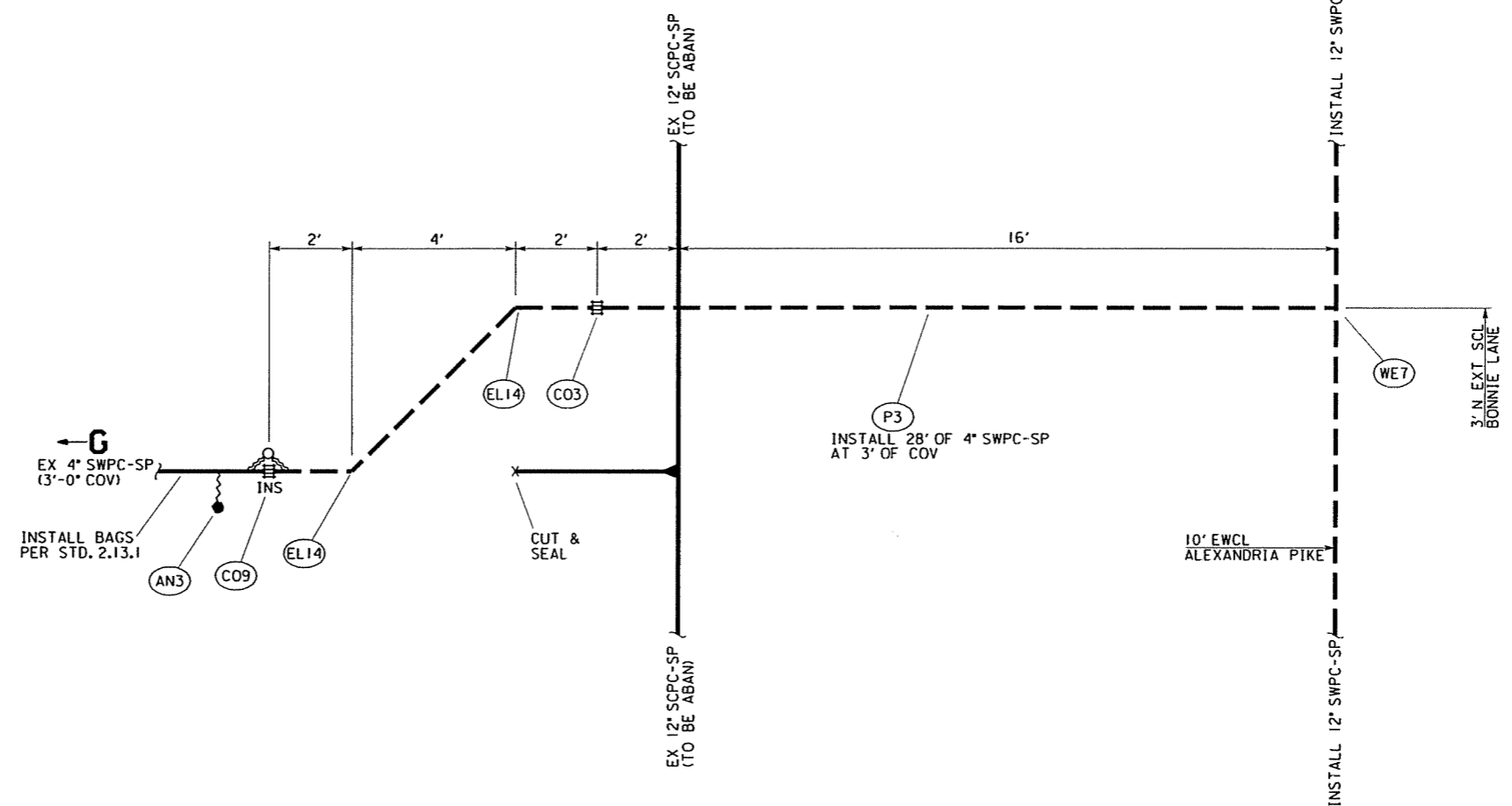
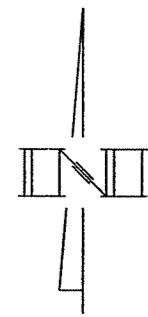
REVISIONS

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Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4" S				28"	

WR2  
 4" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.



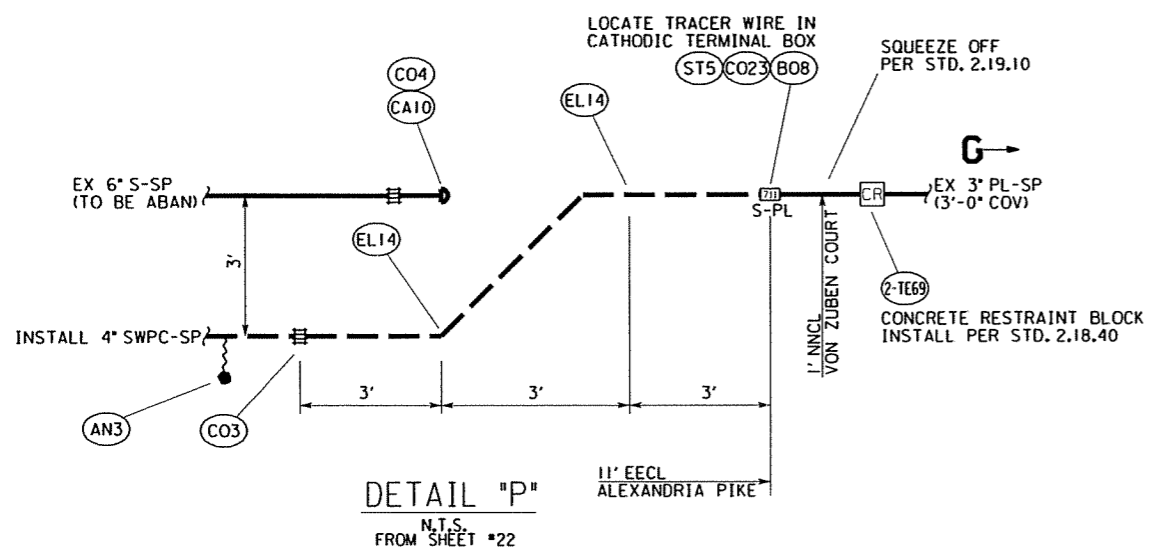
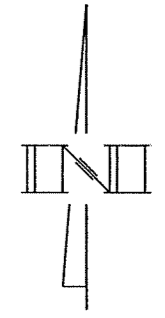
DETAIL "L"  
 N.T.S.  
 FROM SHEET #19

REVISIONS

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Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
3" S				3'	



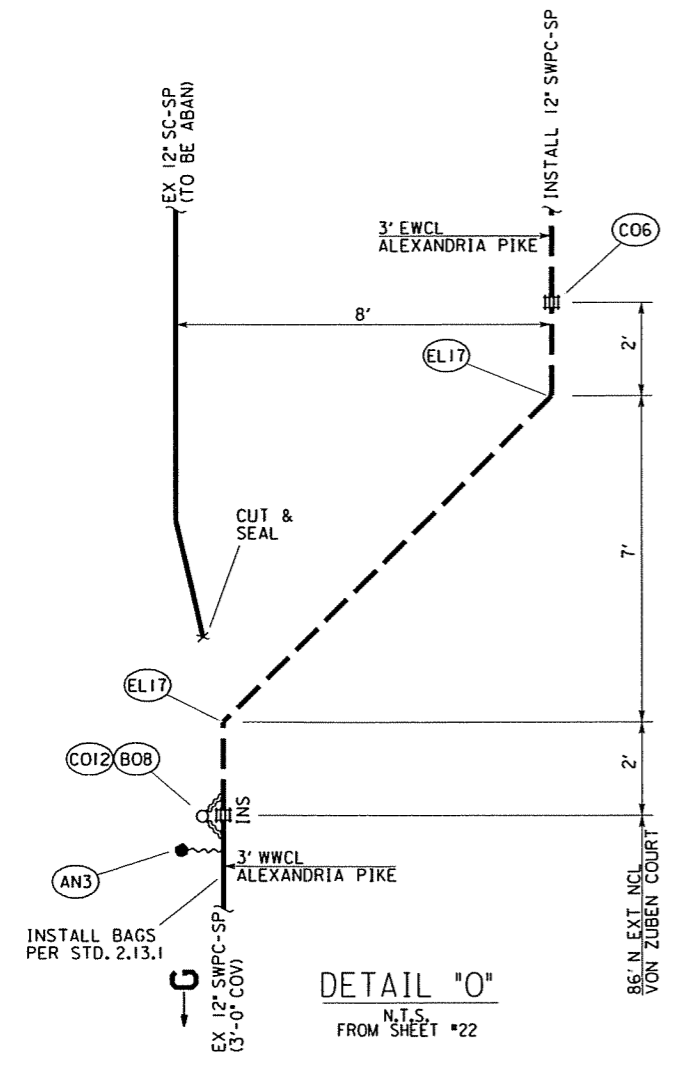
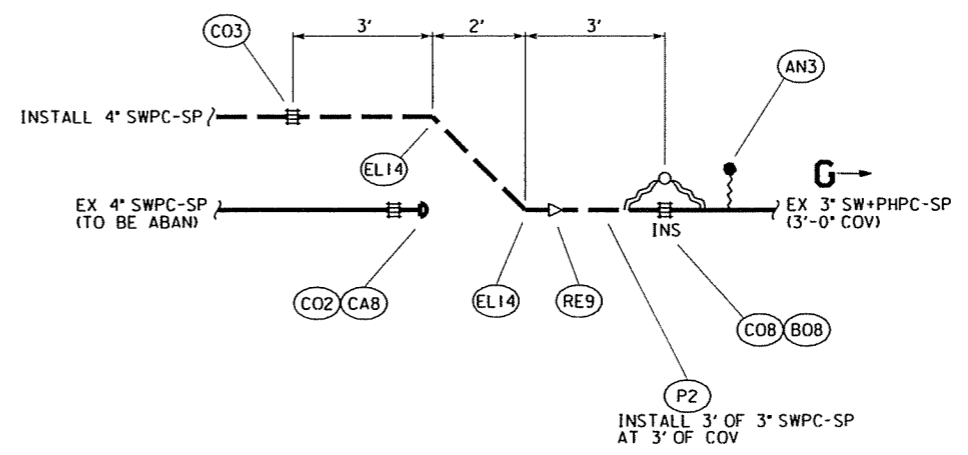
3" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.

WR2

4" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.

WR5

12" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.



REVISIONS

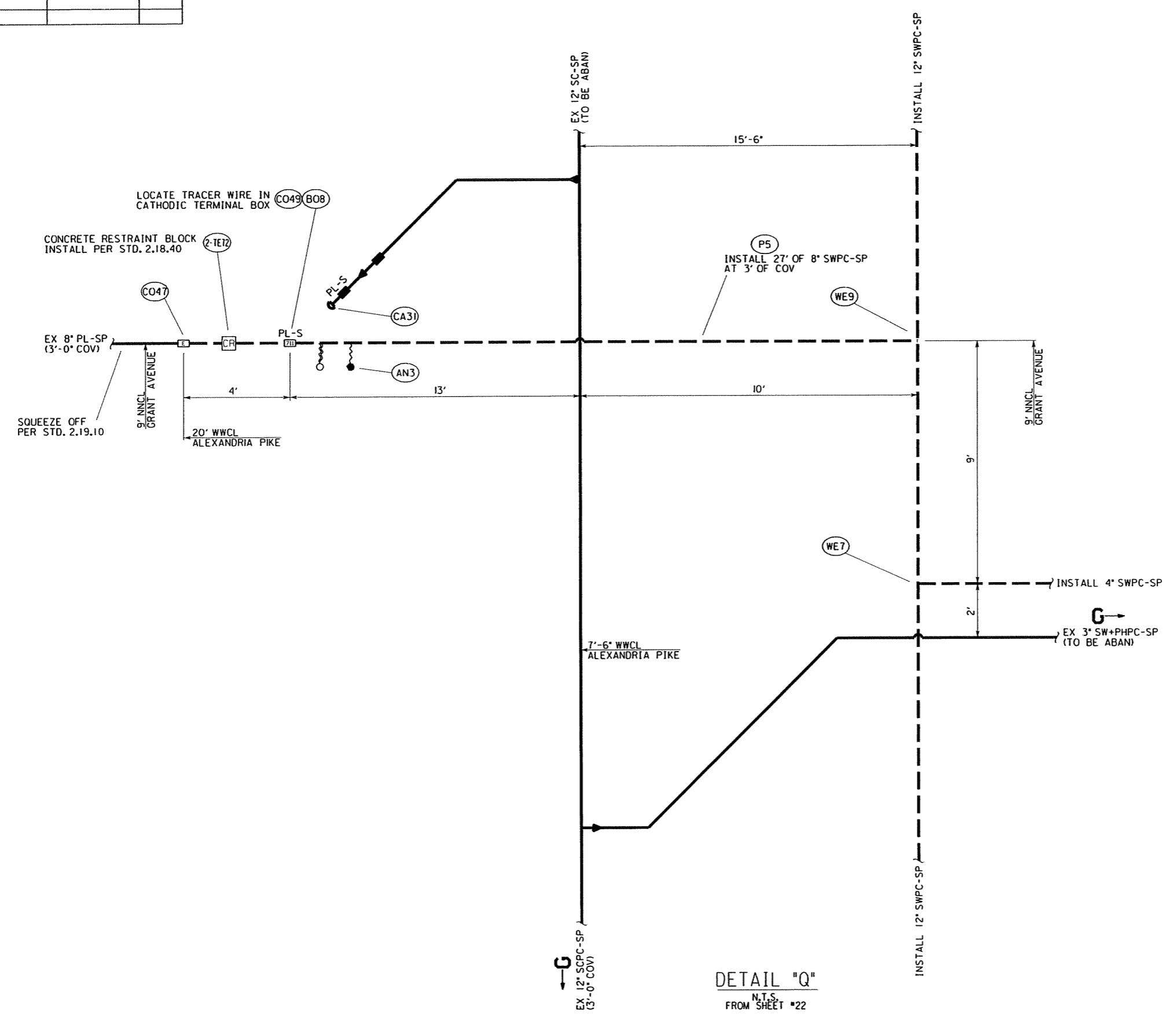
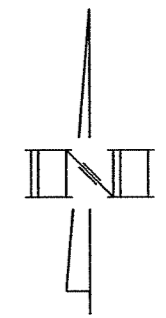
NOV.18,04

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
8" S				27'	

**GAS DEPARTMENT**  
CG&E CO - ULH&P CO - LG CO

24  
42

SOUTHEAST DISTRICT NONE



- (WR2) 4" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.
- (WR4) 8" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.
- (WR5) 12" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.

DETAIL "Q"  
N.T.S.  
FROM SHEET #22

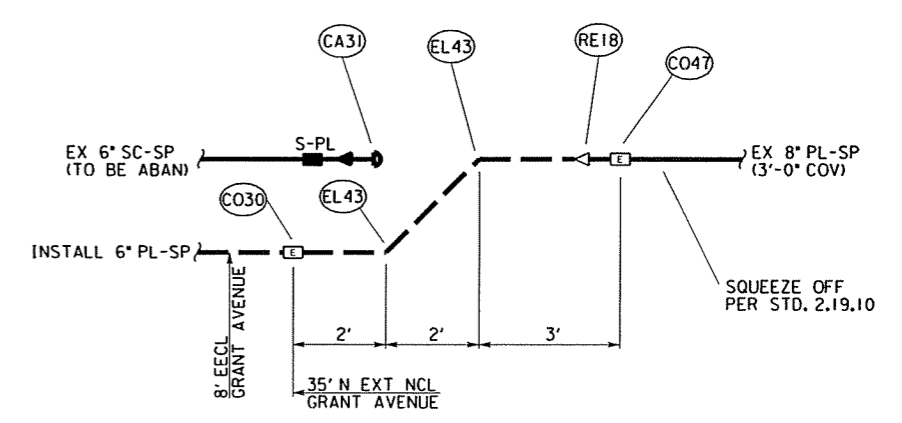
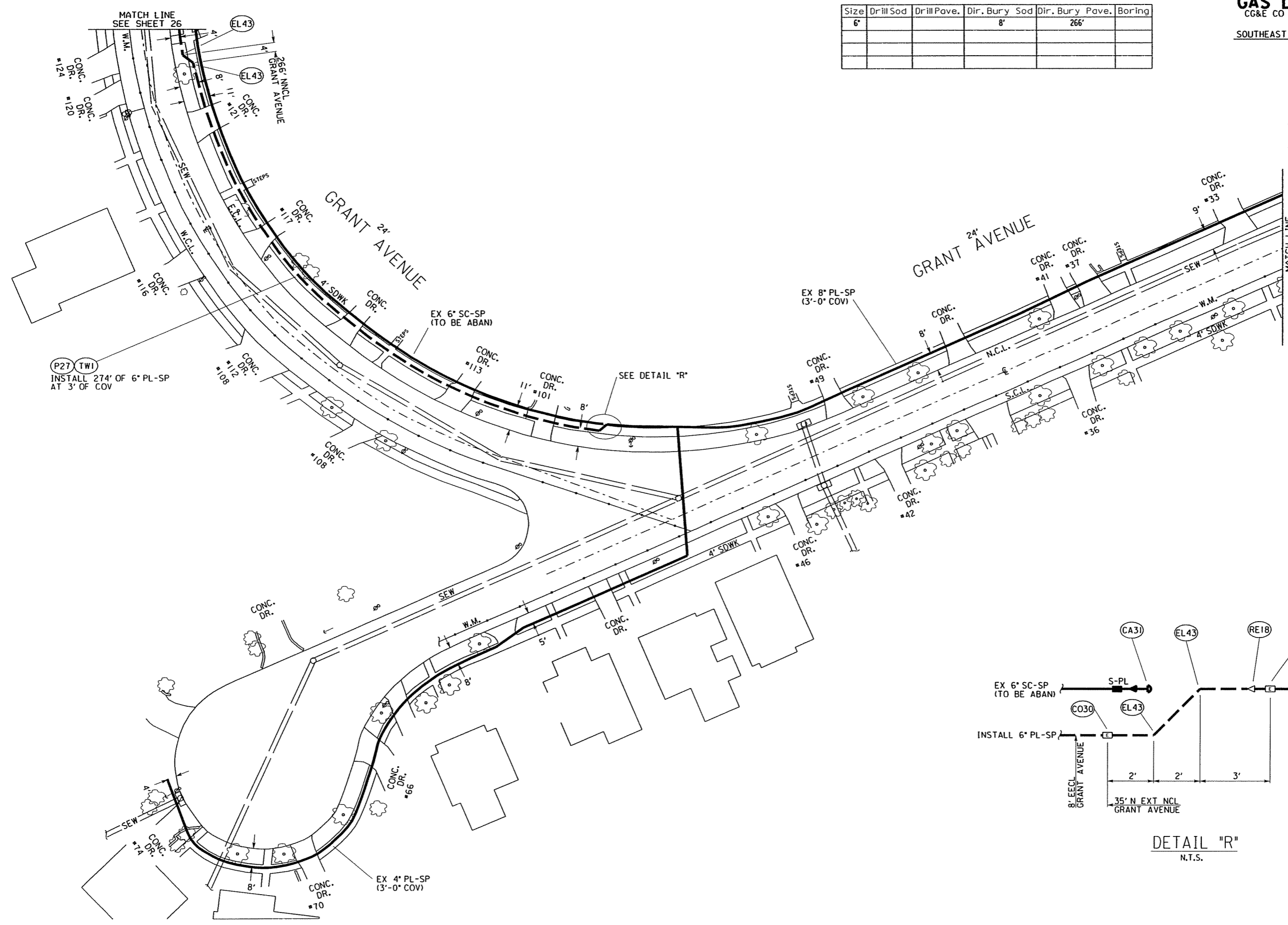
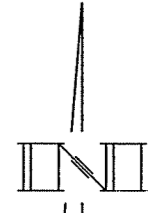
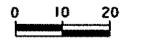
NOV.18,04

05 - 8312 - 0

REVISIONS



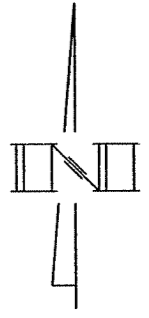
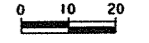
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"			8'	266'	



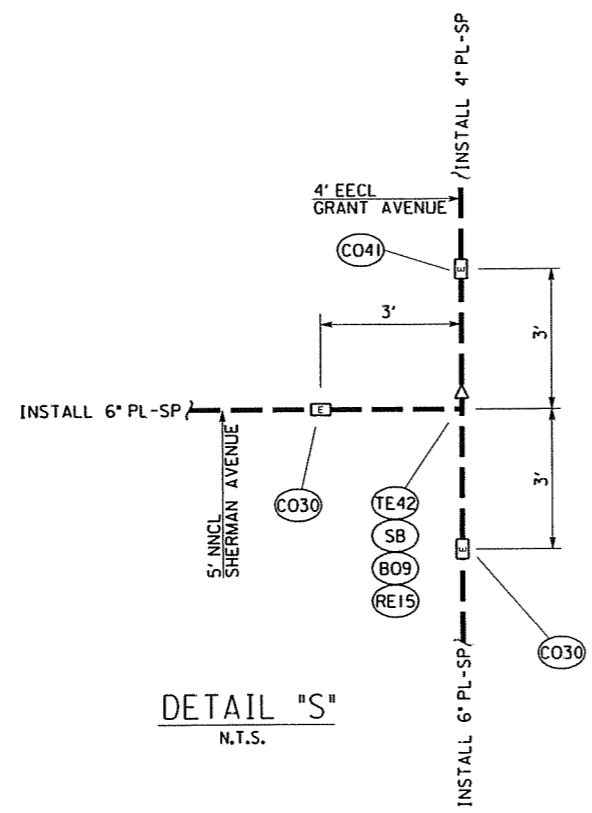
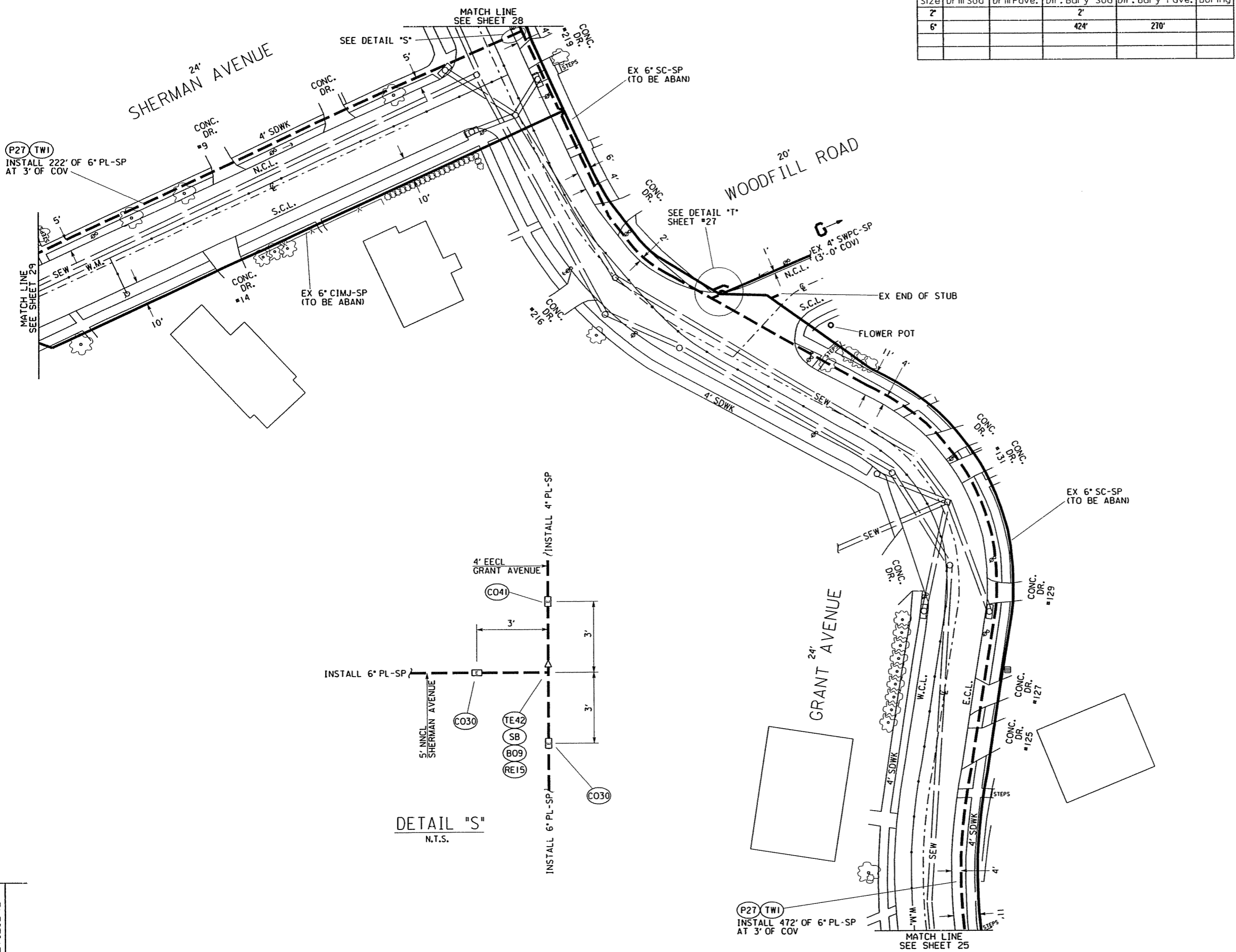
**DETAIL "R"**  
N.T.S.

NOV.18,04

REVISIONS



Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
2"			2'		
6"			42"	270"	

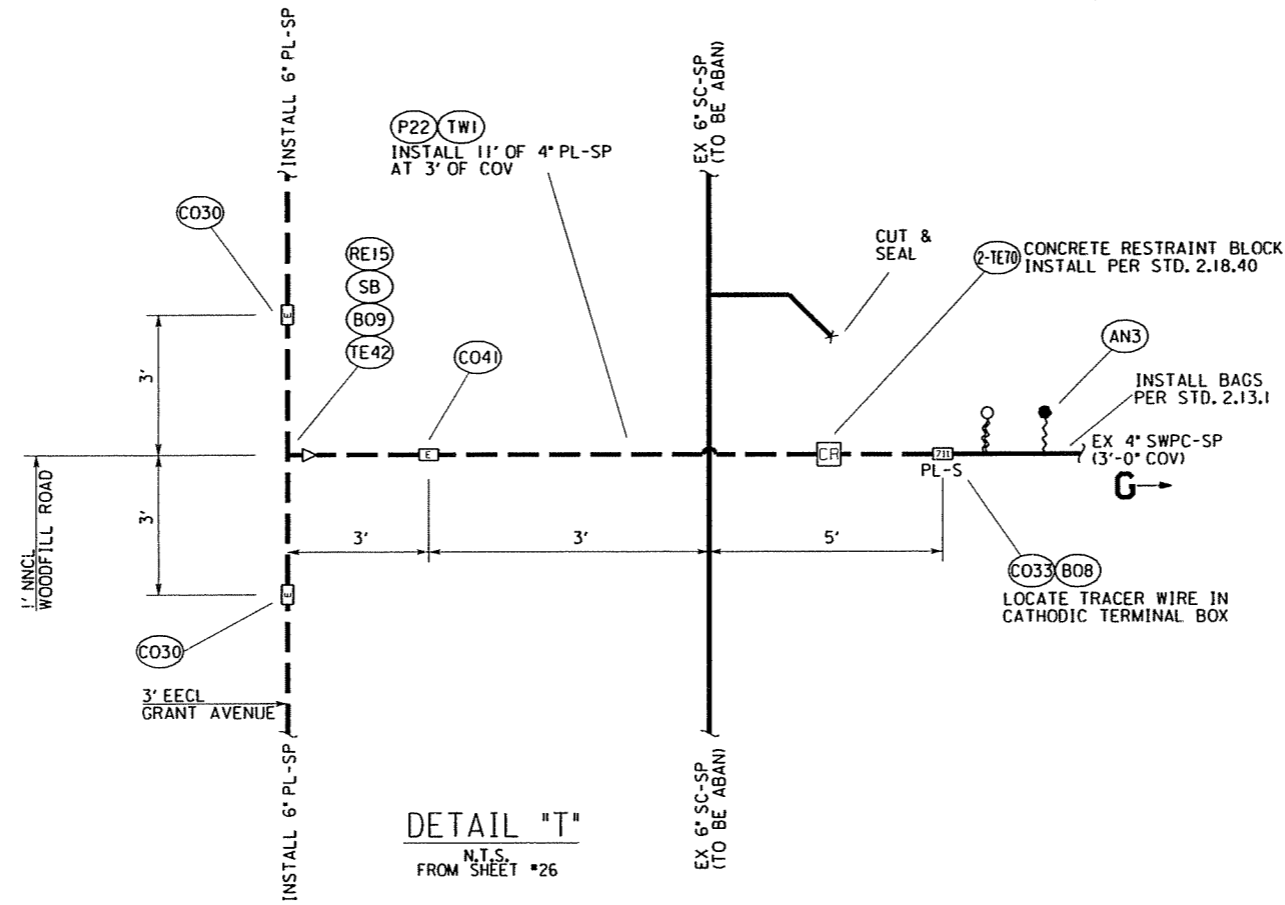
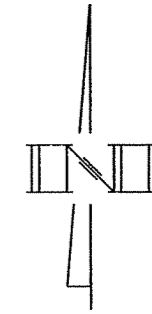


REVISIONS

NOV.18,04

05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"				11'	

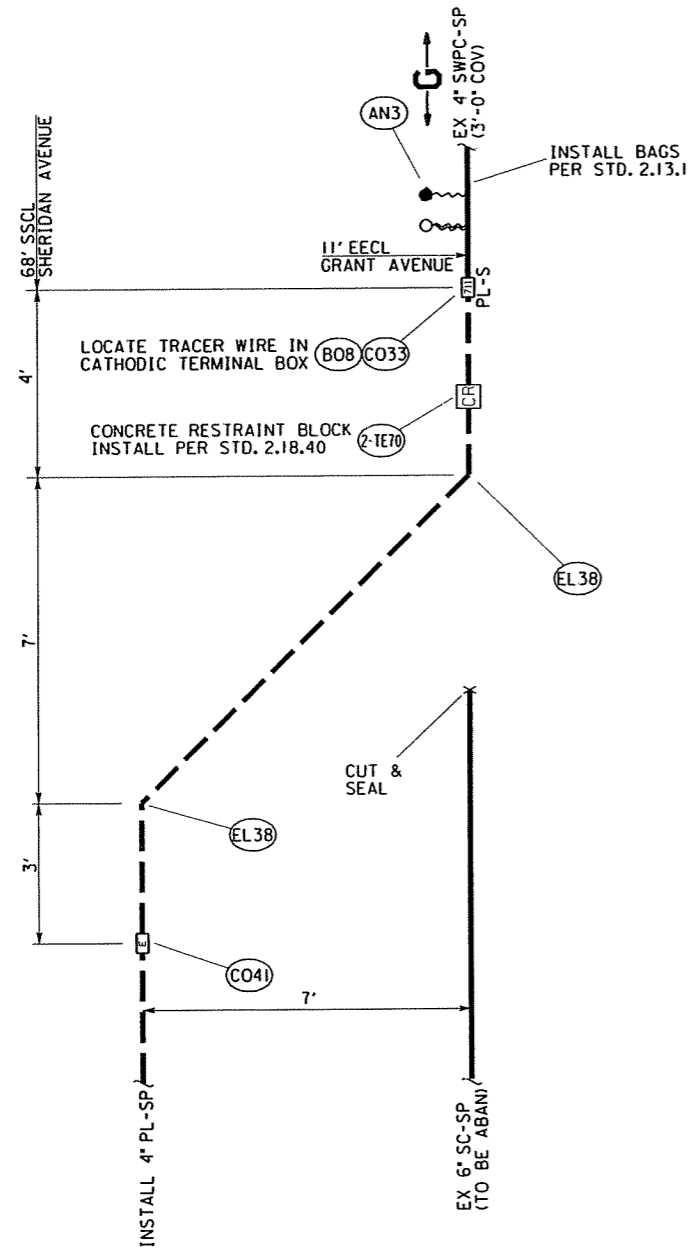
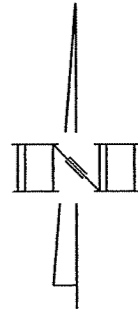


REVISIONS

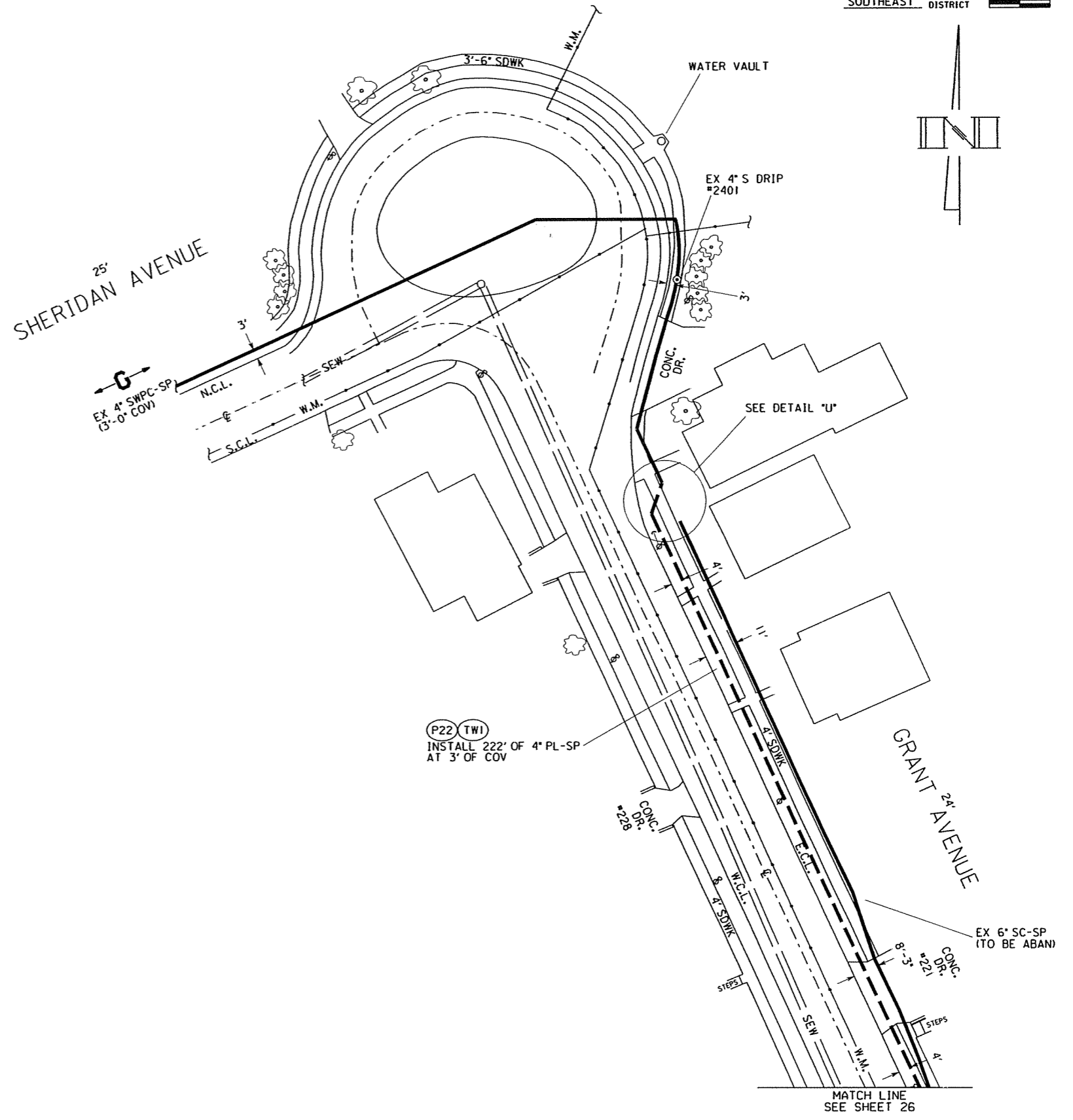
NOV.18,04

05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"			8"	214"	



**DETAIL "U"**  
N.T.S.



REVISIONS

NOV.18,04

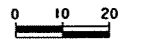
05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
6"			37'	403'	

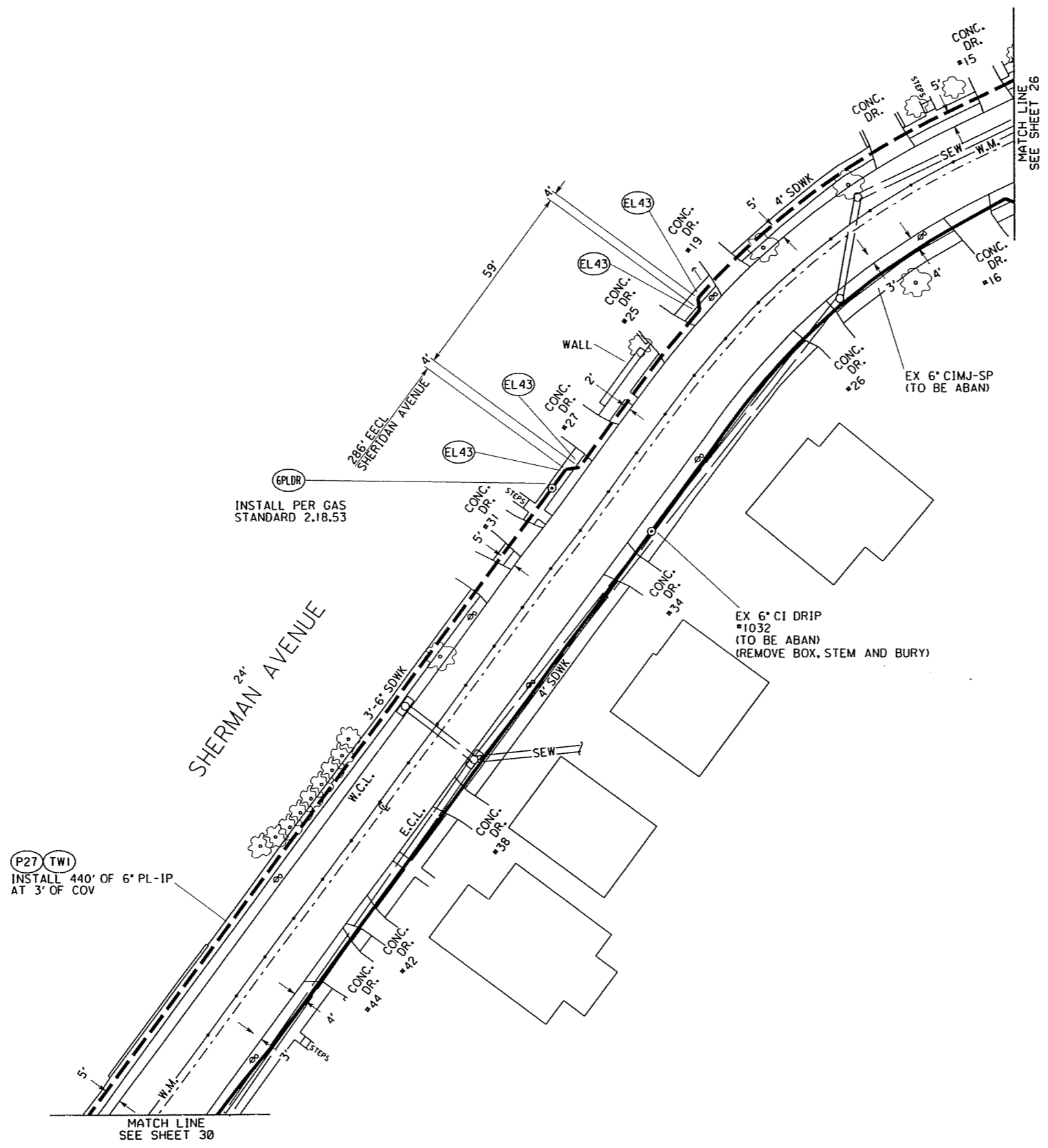
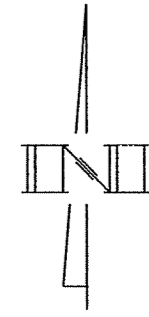
**GAS DEPARTMENT**

CG&E CO - ULH&P CO - LG CO

SOUTHEAST DISTRICT



29  
42



P27 TW1  
INSTALL 440' OF 6" PL-IP  
AT 3' OF COV

INSTALL PER GAS  
STANDARD 2.18.53

MATCH LINE  
SEE SHEET 30

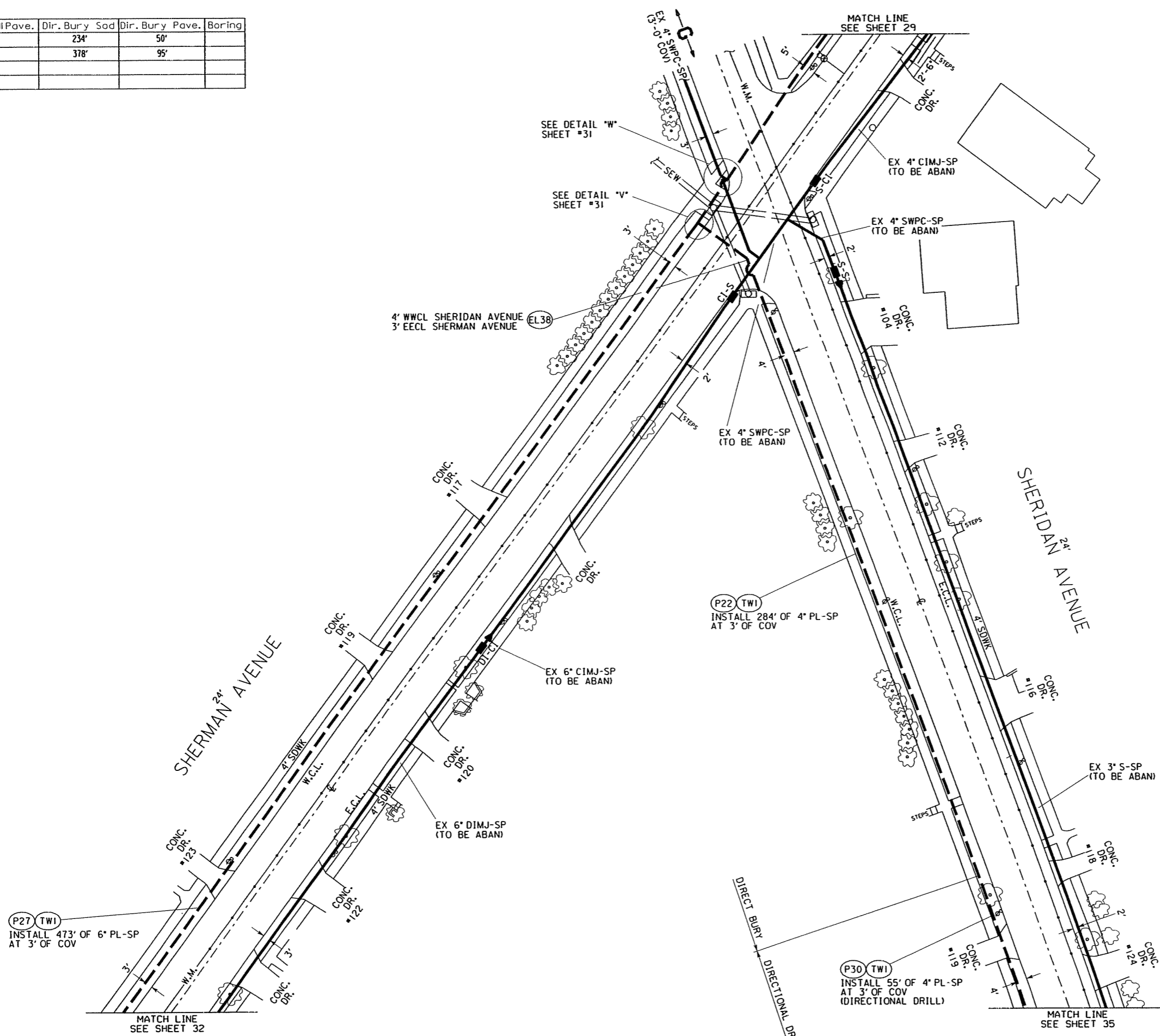
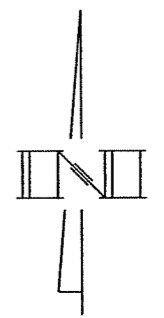
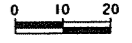
MATCH LINE  
SEE SHEET 26

REVISIONS

NOV.18,04

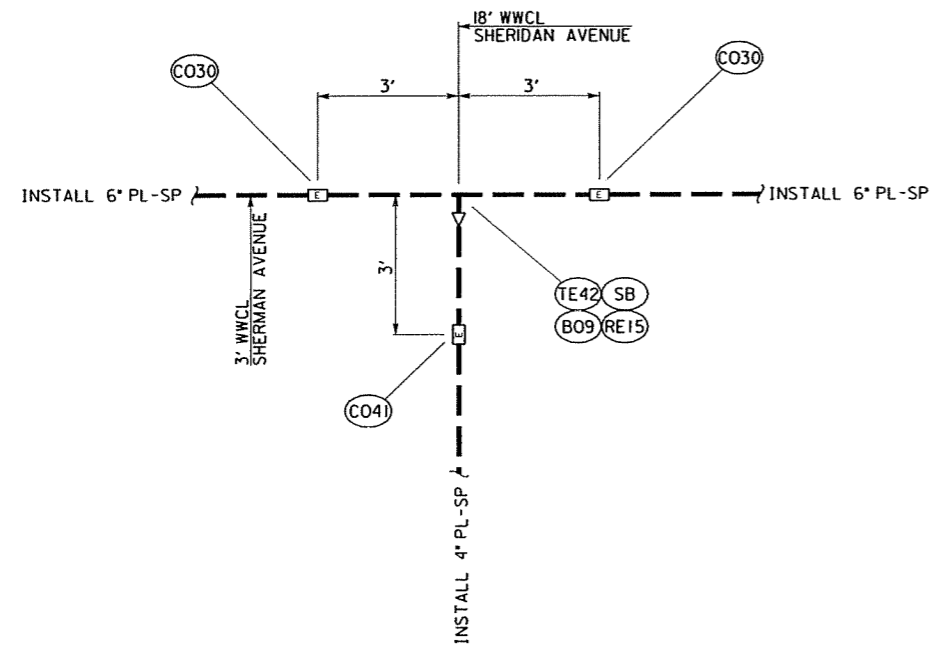
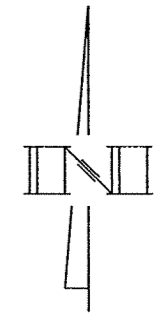
05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"	55'		234'	50'	
6"			378'	95'	

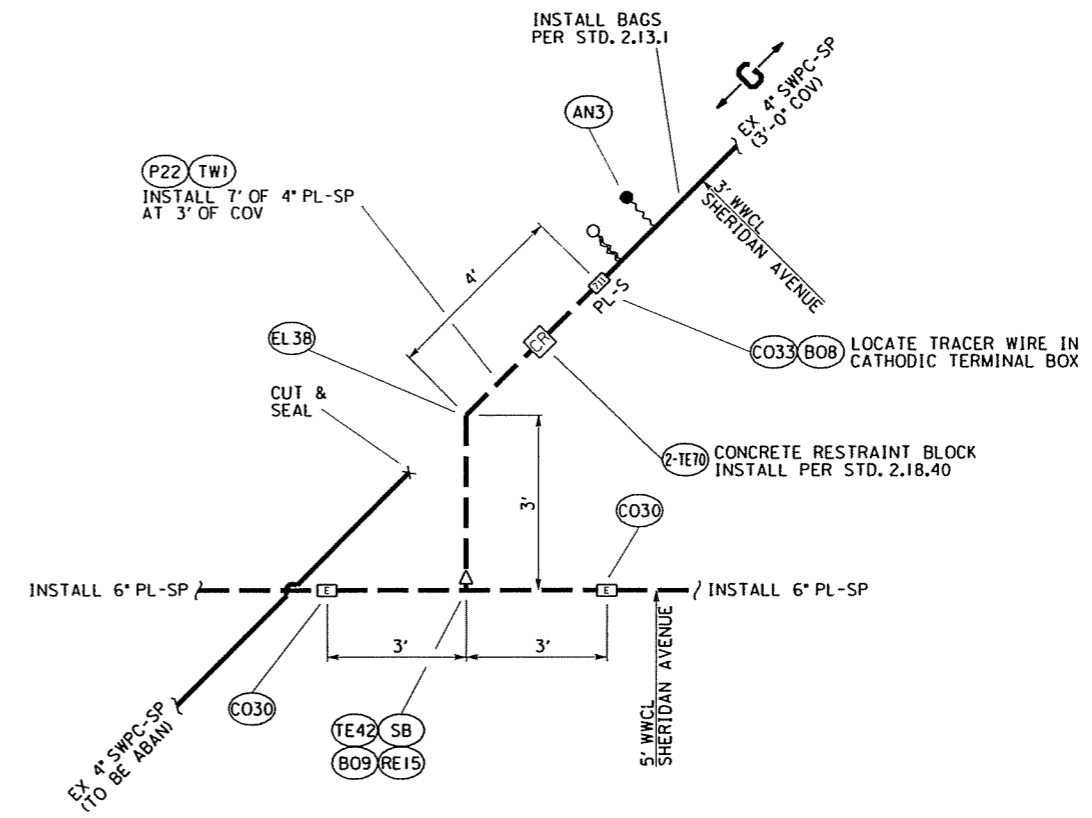


REVISIONS

NOV.18,04



**DETAIL "V"**  
 N.T.S.  
 FROM SHEET #30



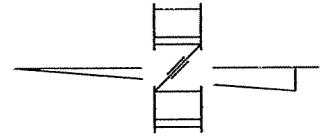
**DETAIL "W"**  
 N.T.S.  
 FROM SHEET #30

REVISIONS

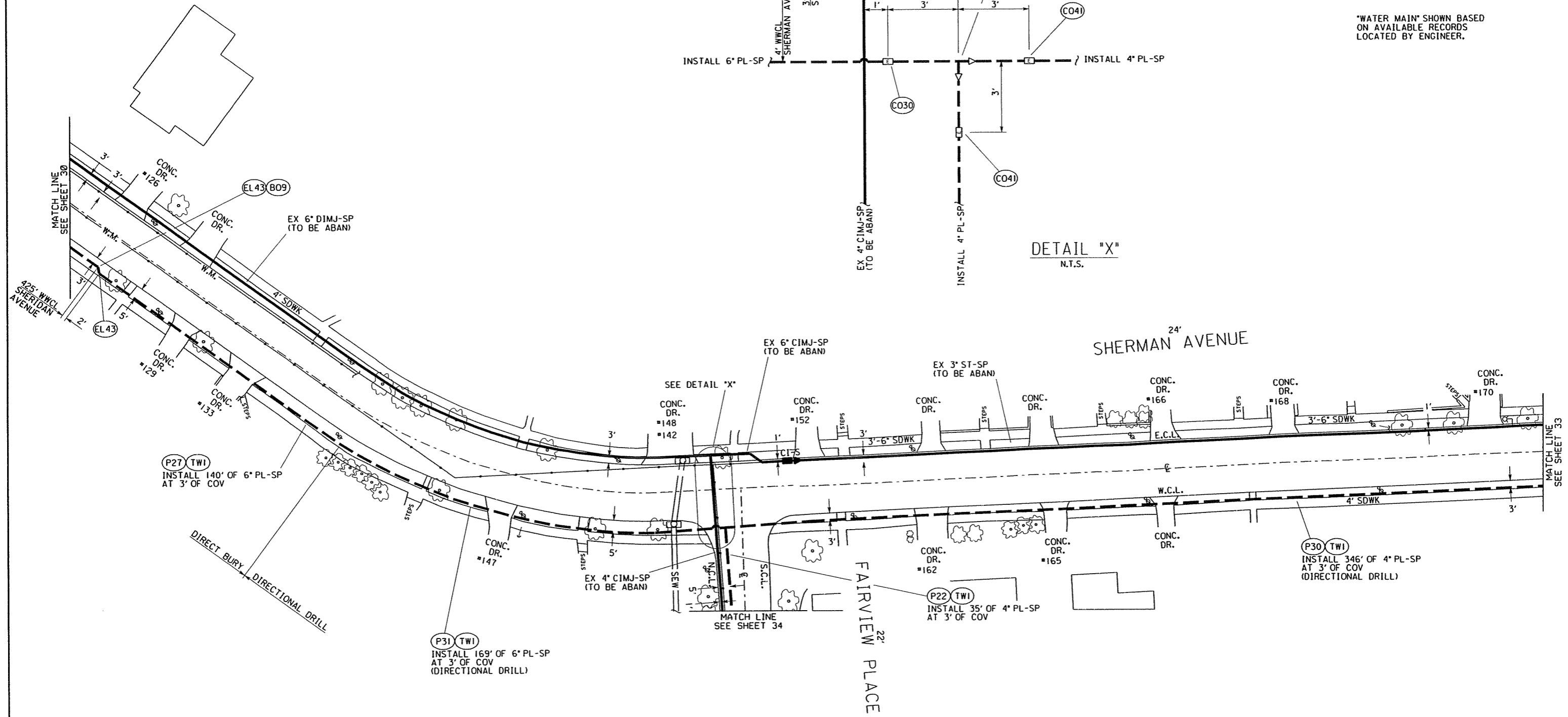
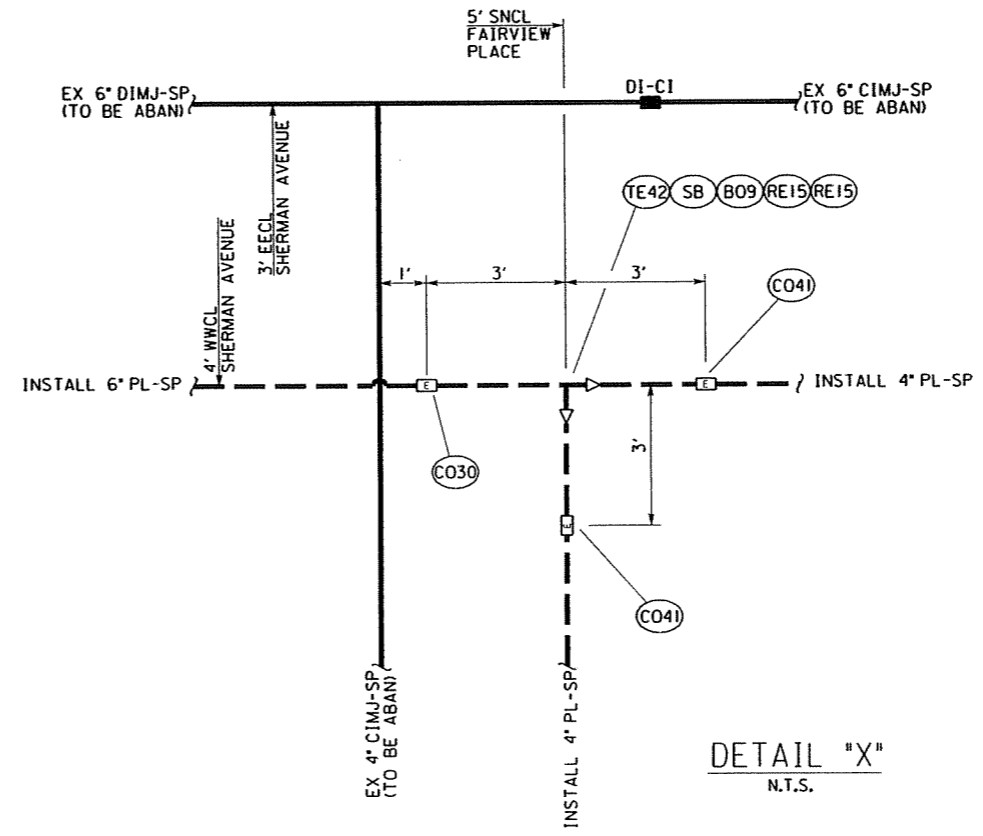
NOV.18,04

05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"	340'			35'	
6"	169'		145'		



"WATER MAIN" SHOWN BASED ON AVAILABLE RECORDS LOCATED BY ENGINEER.



REVISIONS

NOV.18,04

05-8312-0



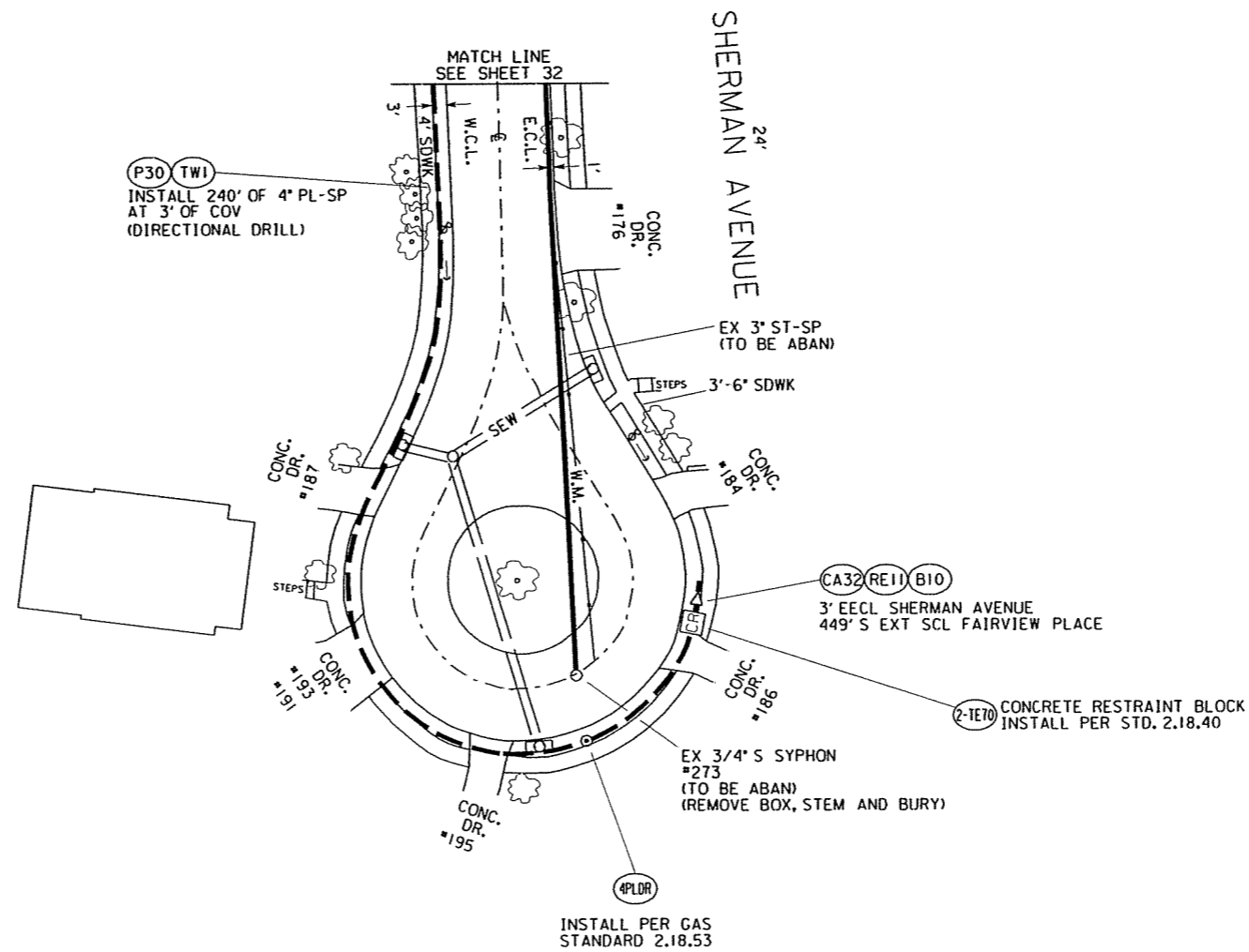
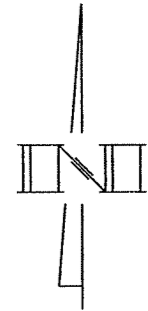
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"	240'				

**GAS DEPARTMENT**  
CG&E CO - ULH&P CO - LG CO

33  
42

SOUTHEAST DISTRICT 0 10 20

\*WATER MAIN\* SHOWN BASED ON AVAILABLE RECORDS LOCATED BY ENGINEER.

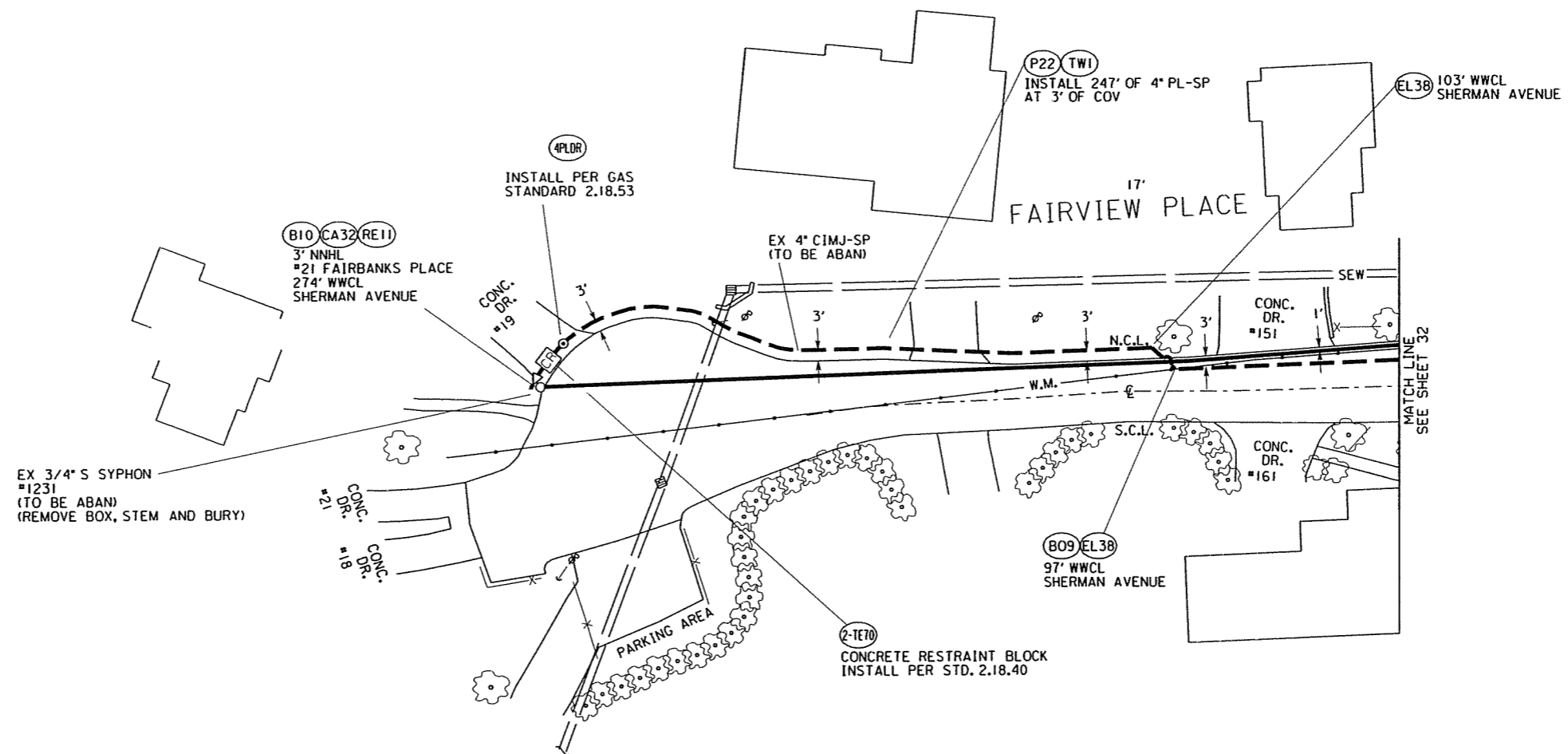
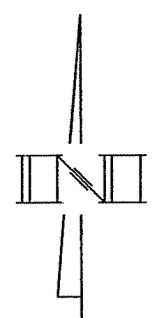


REVISIONS

NOV.18,04

05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"			182'	65'	

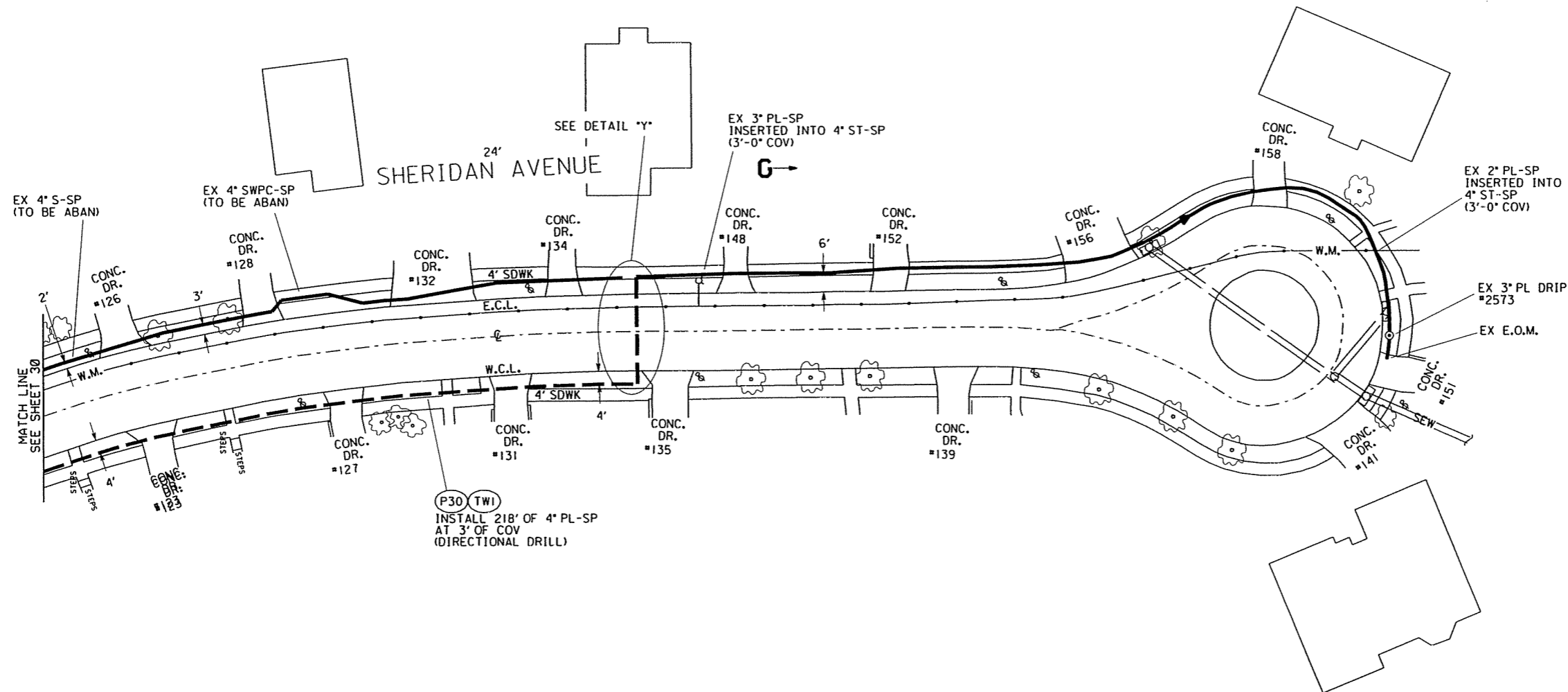
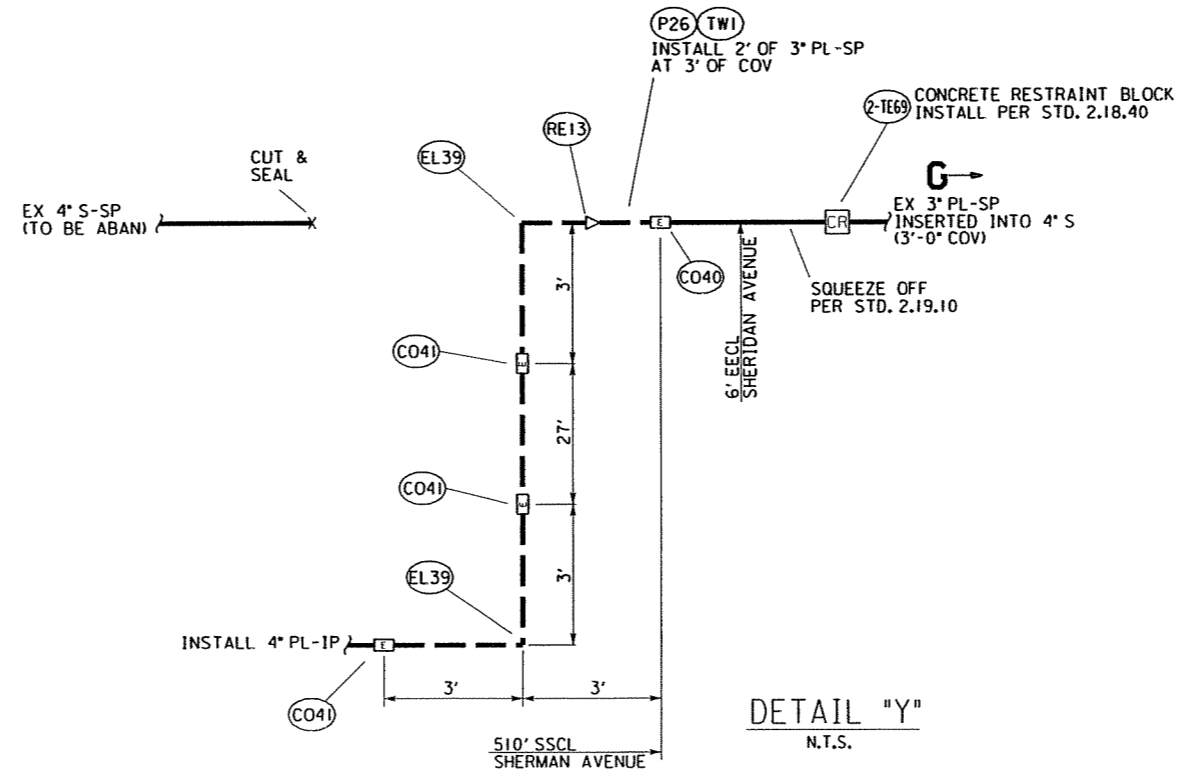
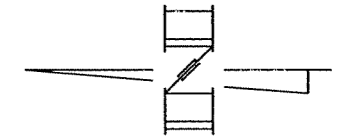


REVISIONS

NOV.18,04

05-8312-0

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"	188'	30'			
3"				2'	



REVISIONS

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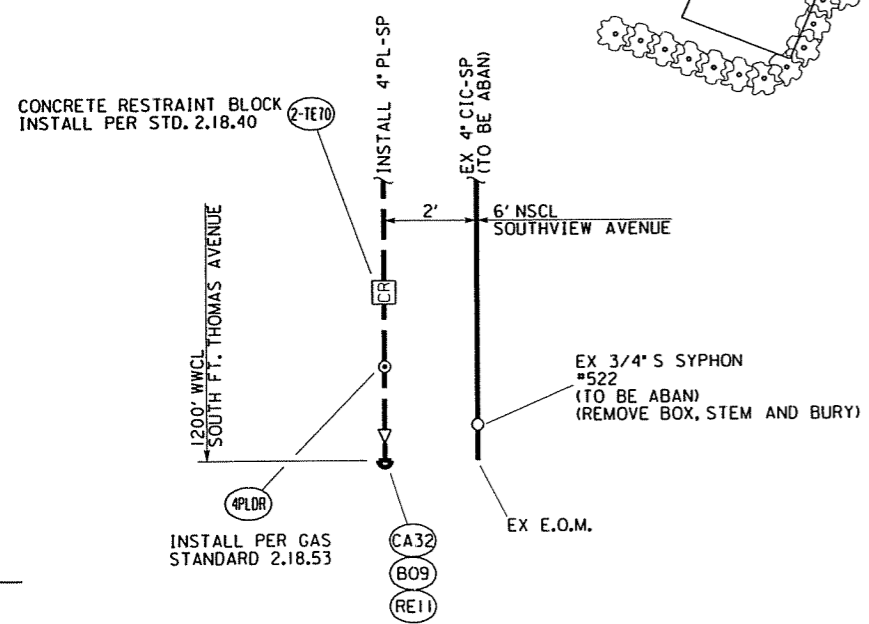
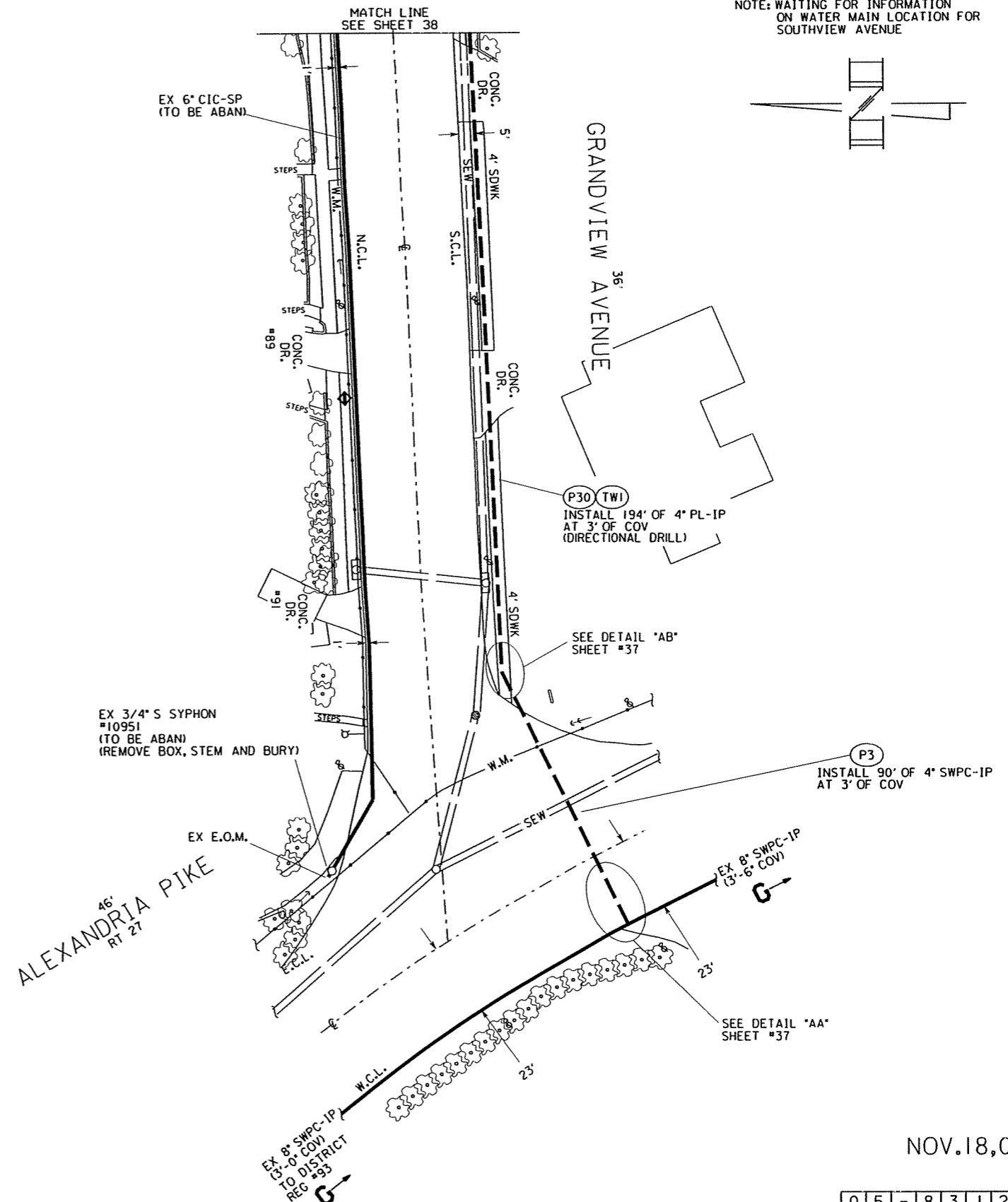
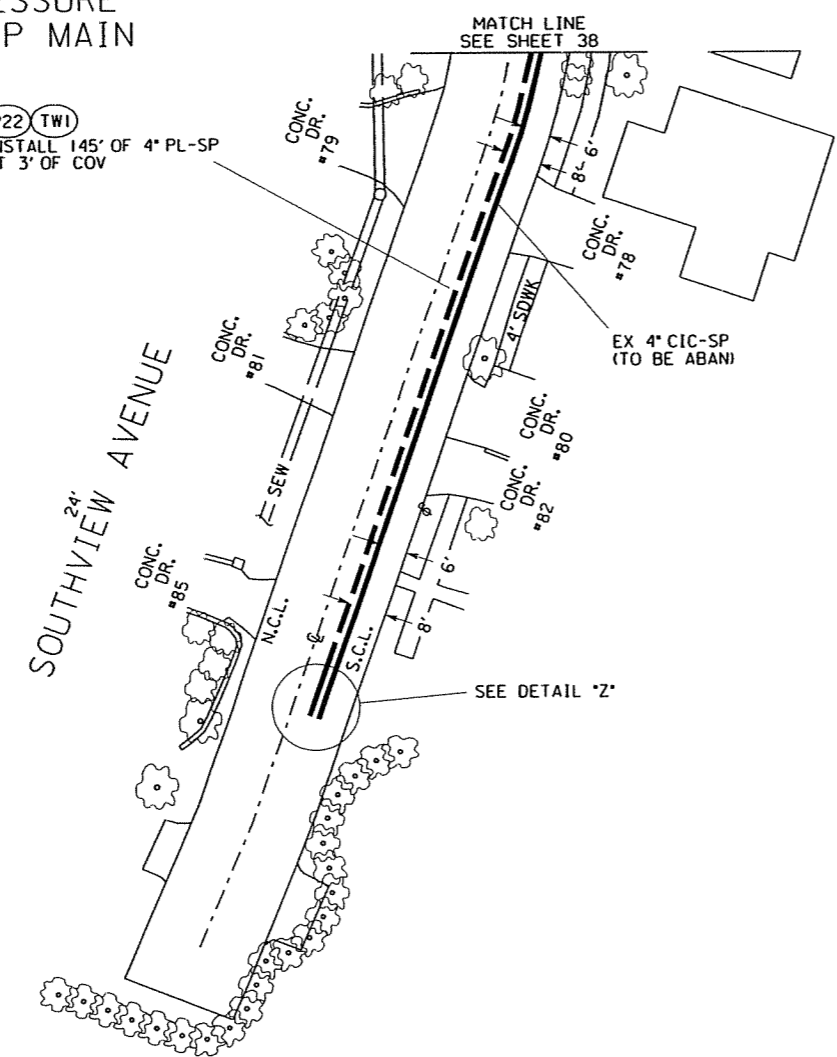
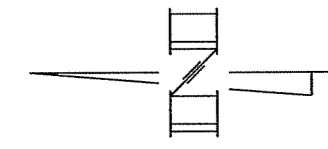
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"		190'		149'	
4" S				90'	

NOTE: CONVERT SP SERVICE ON GRANDVIEW AVENUE TO IP PRESSURE AND TIE-OVER TO NEW 4" PL-IP MAIN

(WR2)

4" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.

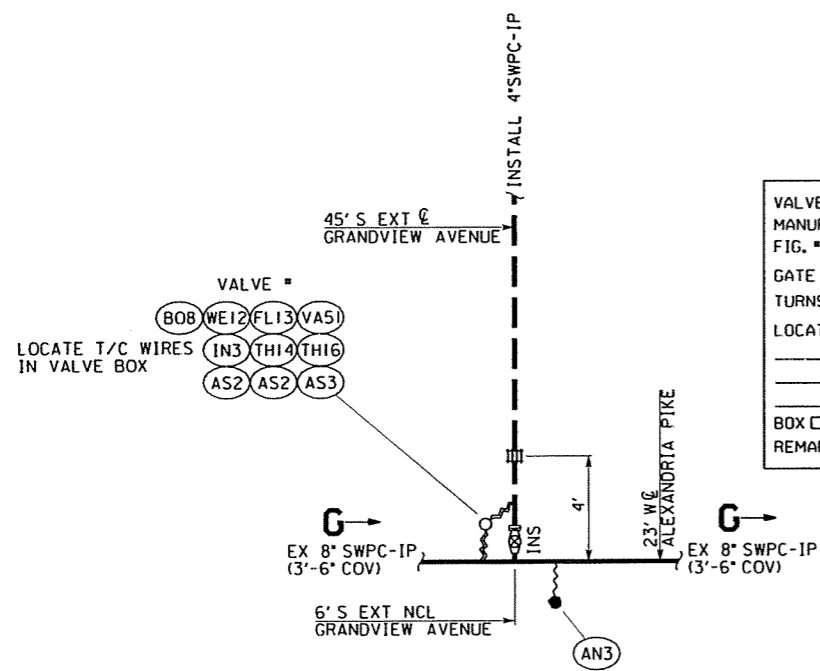
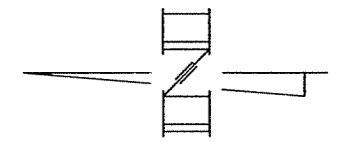
NOTE: WAITING FOR INFORMATION ON WATER MAIN LOCATION FOR SOUTHVIEW AVENUE



**DETAIL "Z"**  
N.T.S.

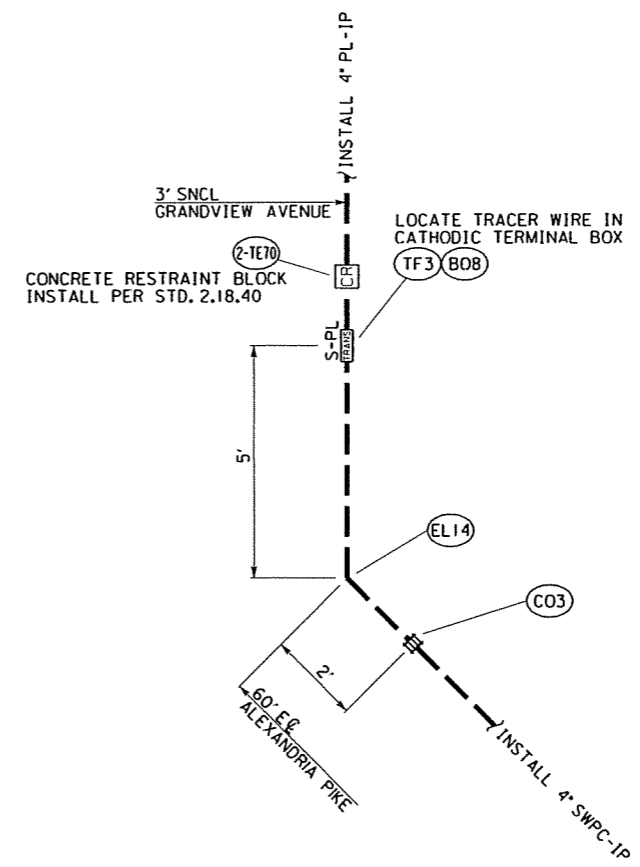
NOV.18,04

REVISIONS



VALVE #	SIZE	4"
MANUFACTURER		
FIG. #	W.O.G./M.O.P.	
GATE	PLUG	OTHER
TURNS TO OPEN _____		
LOCATION:		
_____ FT	_____ IN	
_____ FT	_____ IN	
_____ FT	_____ IN	
BOX	PIT	COVER AT MAIN _____ FT _____ IN
REMARKS _____		

DETAIL "AA"  
N.T.S.  
FROM SHEET #36



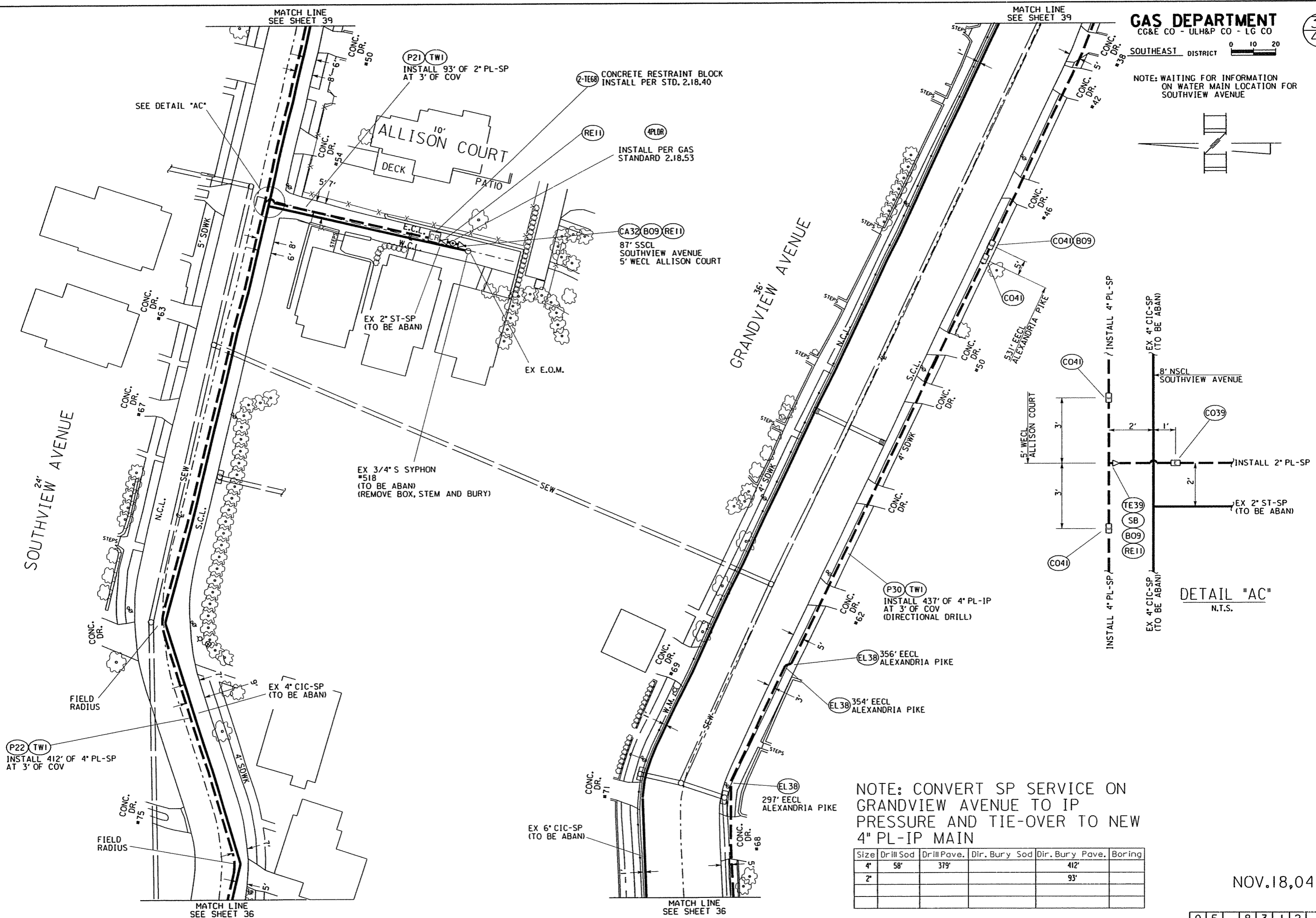
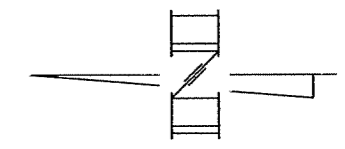
DETAIL "AB"  
N.T.S.  
FROM SHEET #36

REVISIONS

NOV.18,04

05-8312-0

NOTE: WAITING FOR INFORMATION ON WATER MAIN LOCATION FOR SOUTHVIEW AVENUE



NOTE: CONVERT SP SERVICE ON GRANDVIEW AVENUE TO IP PRESSURE AND TIE-OVER TO NEW 4" PL-IP MAIN

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"	58'	379'		412'	
2"				93'	

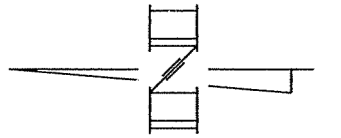
NOV.18,04

05-8312-0

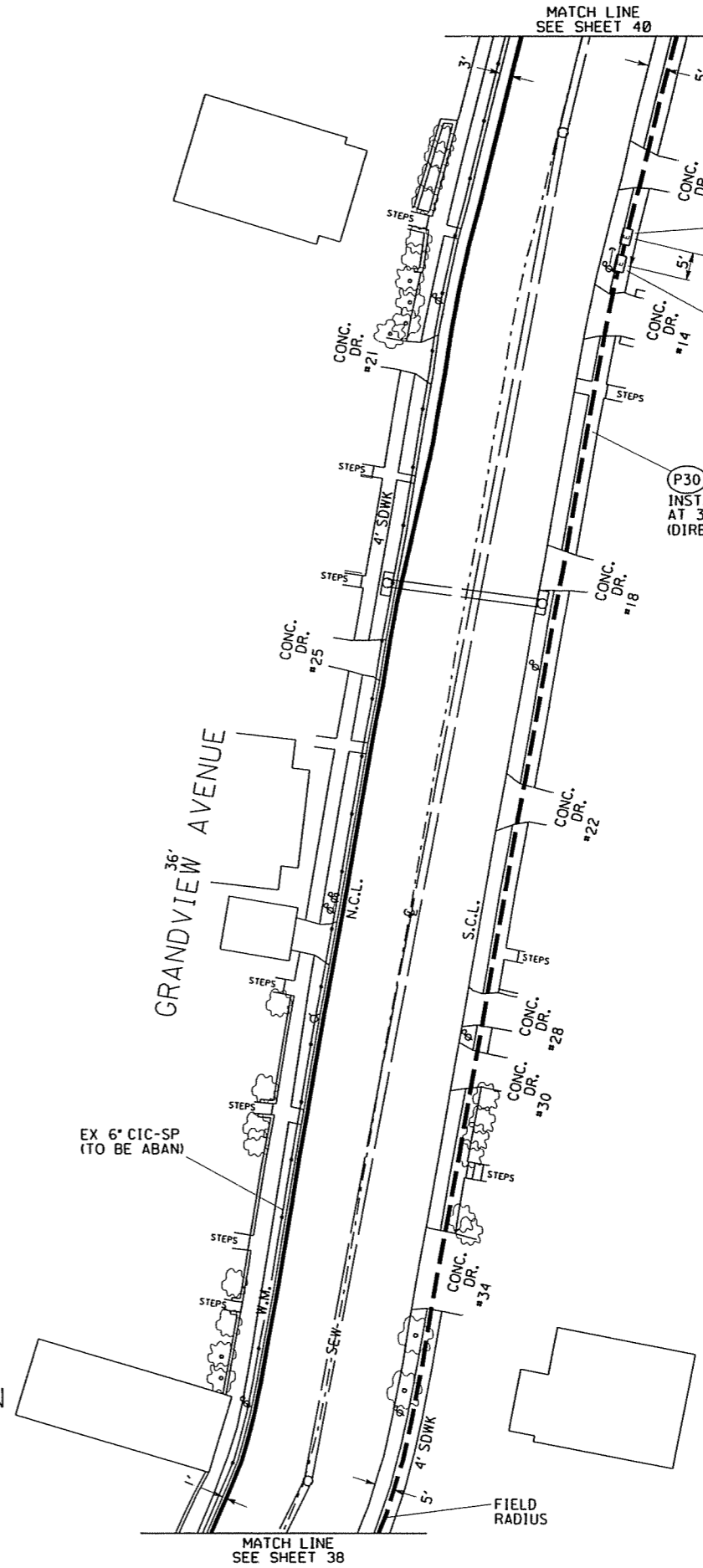
REVISIONS

NOTE: WAITING FOR INFORMATION ON WATER MAIN LOCATION FOR SOUTHVIEW AVENUE

208' W/WCL SOUTH F.T. THOMAS AVENUE



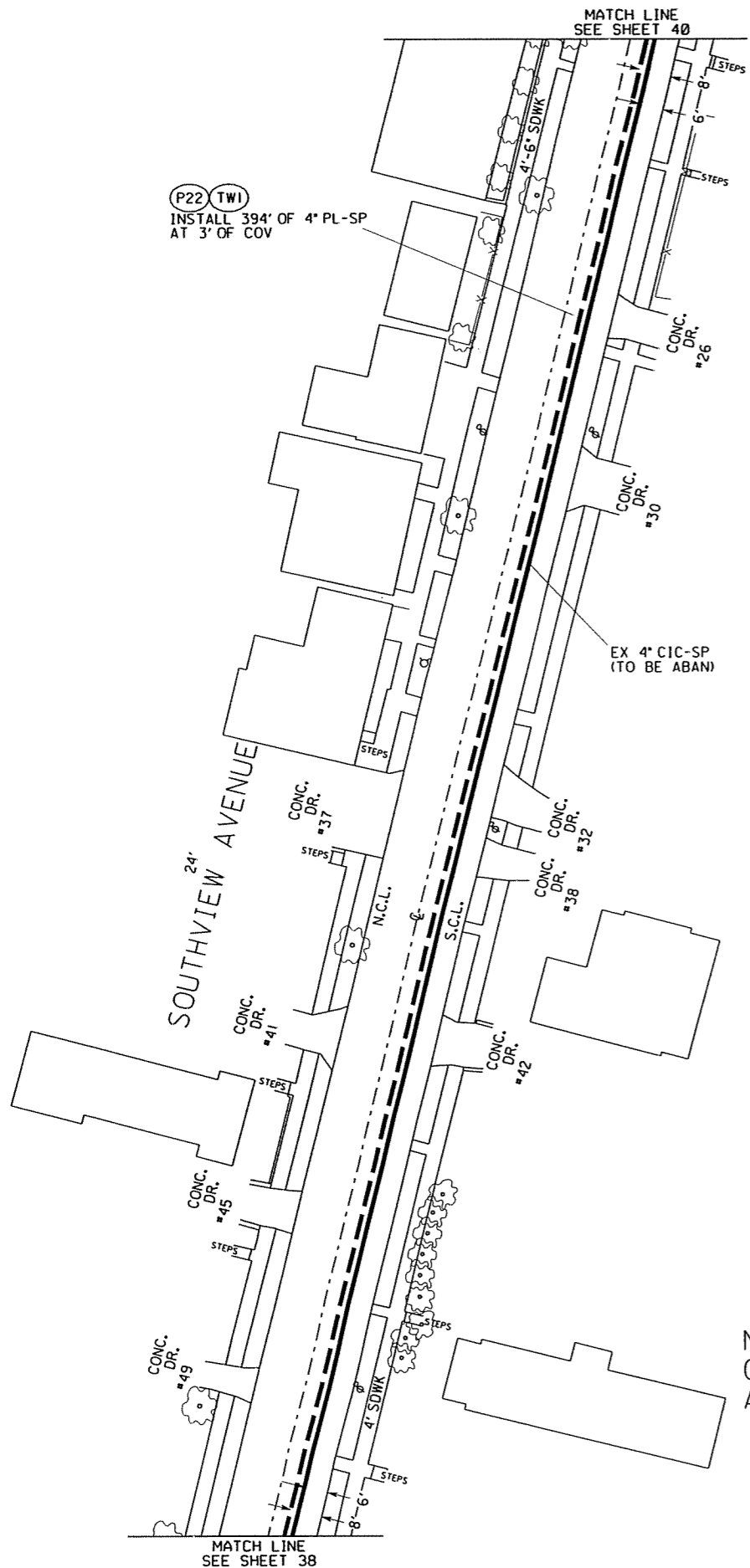
P30 TW1  
INSTALL 391' OF 4" PL-IP AT 3' OF COV (DIRECTIONAL DRILL)



MATCH LINE SEE SHEET 38

NOTE: CONVERT SP SERVICE ON GRANDVIEW AVENUE TO IP PRESSURE AND TIE-OVER TO NEW 4" PL-IP MAIN

Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"		391'		394'	



P22 TW1  
INSTALL 394' OF 4" PL-SP AT 3' OF COV

MATCH LINE SEE SHEET 38

MATCH LINE SEE SHEET 40

MATCH LINE SEE SHEET 40

REVISIONS

NOV.18,04

05-8312-0

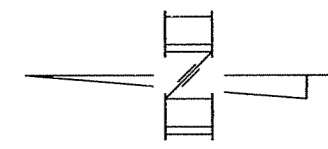
Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
4"		145'		235'	

**GAS DEPARTMENT**  
CG&E CO - ULH&P CO - LG CO

40  
42

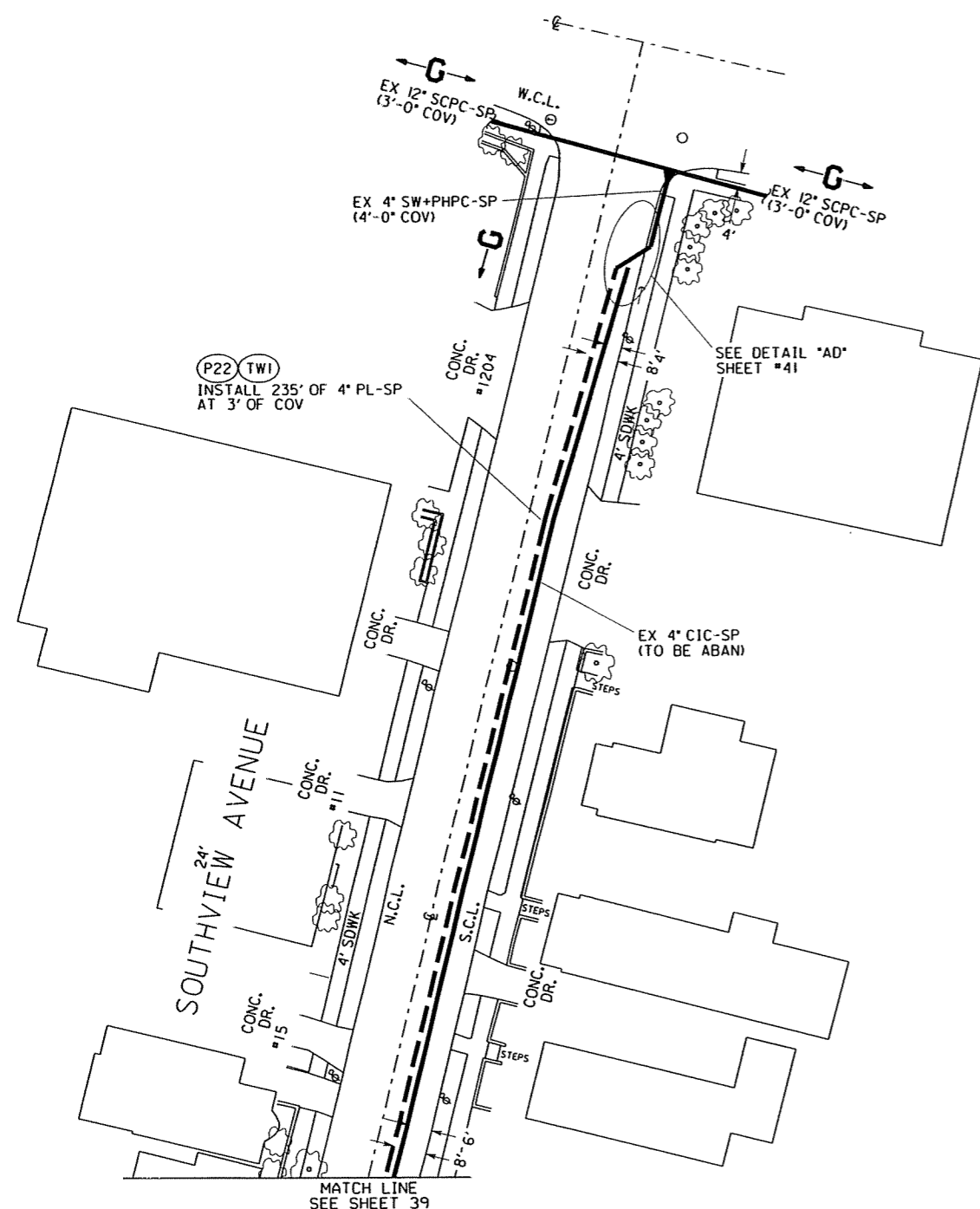
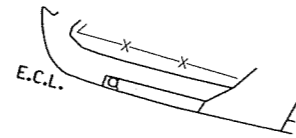
SOUTHEAST DISTRICT

NOTE: WAITING FOR INFORMATION ON WATER MAIN LOCATION FOR SOUTHVIEW AVENUE



NOTE: CONVERT SP SERVICES ON GRANDVIEW AVENUE TO IP PRESSURE AND TIE-OVER TO NEW 4" PL-IP MAIN

SOUTH FT THOMAS AVENUE  
50'  
RT 1120

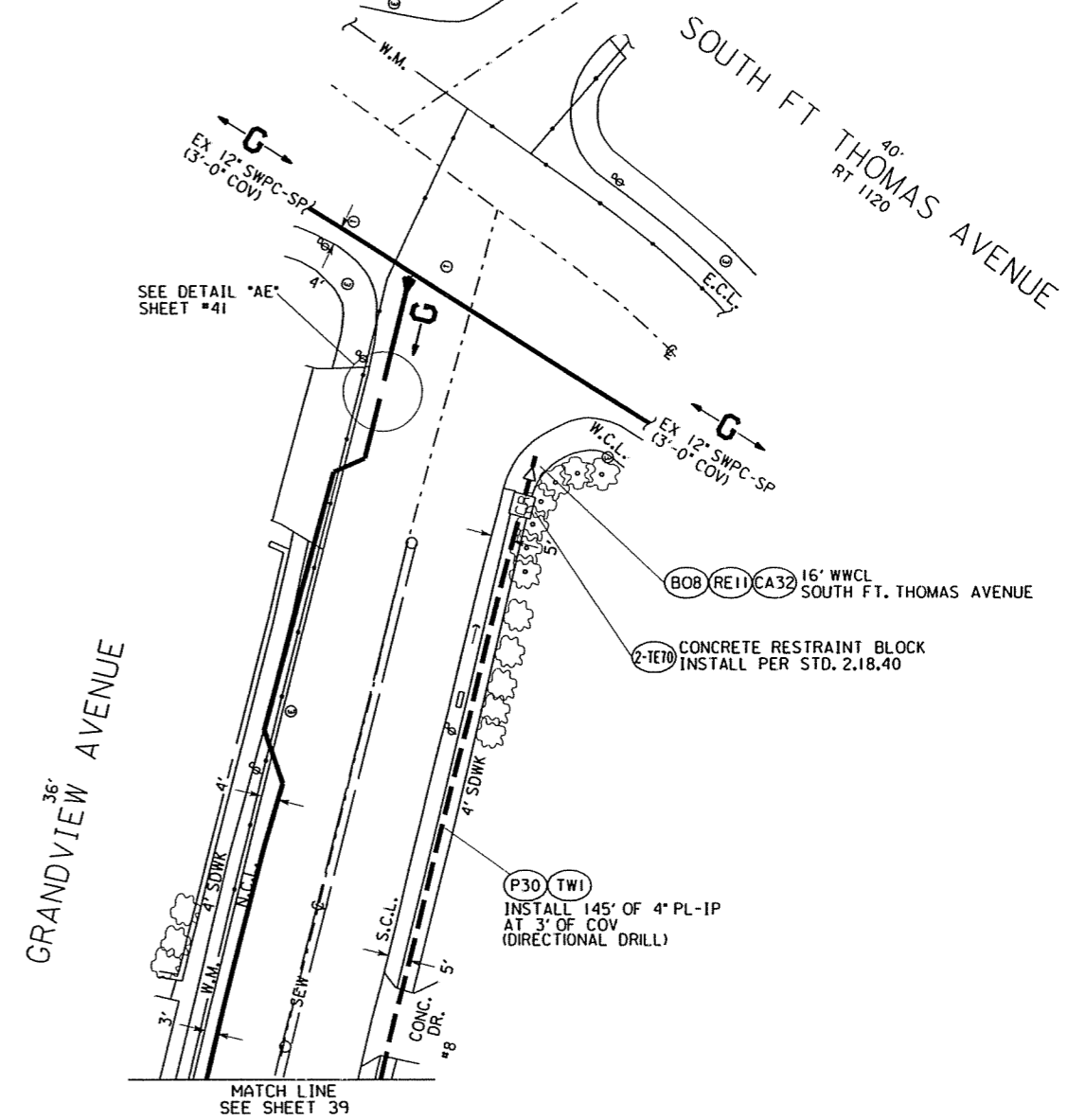


(P22) (TW1)  
INSTALL 235' OF 4" PL-SP AT 3' OF COV

SEE DETAIL "AD" SHEET #41

EX 4" CIC-SP (TO BE ABAN)

MATCH LINE SEE SHEET 39



SEE DETAIL "AE" SHEET #41

(BOB) (RE1) (CA32) 16" WWCL SOUTH FT. THOMAS AVENUE

(2-TET0) CONCRETE RESTRAINT BLOCK INSTALL PER STD. 2.18.40

(P30) (TW1)  
INSTALL 145' OF 4" PL-IP AT 3' OF COV (DIRECTIONAL DRILL)

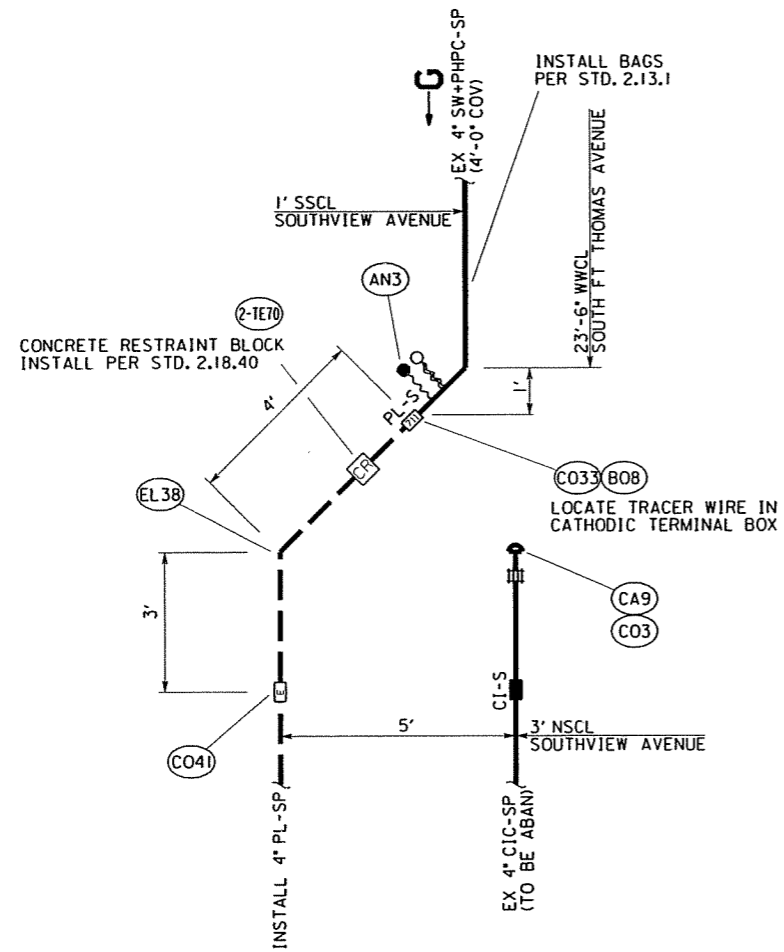
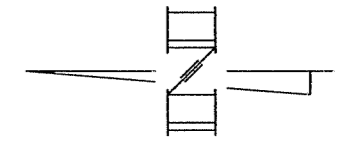
MATCH LINE SEE SHEET 39

REVISIONS

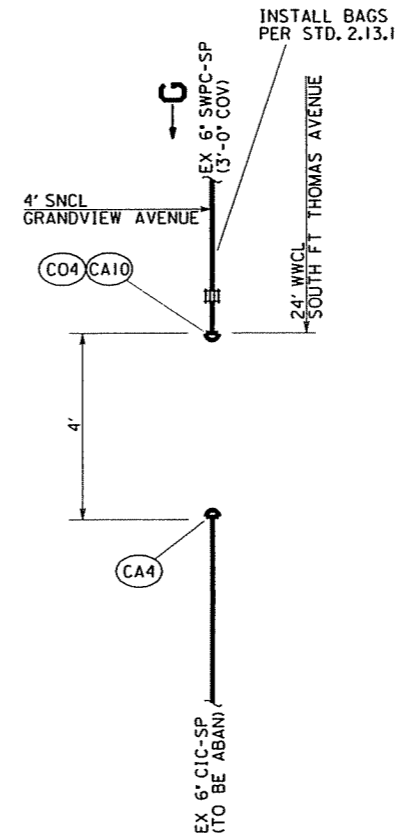
NOV.18,04

05-8312-0





**DETAIL "AD"**  
 N.T.S.  
 FROM SHEET #40



**DETAIL "AE"**  
 N.T.S.  
 FROM SHEET #40

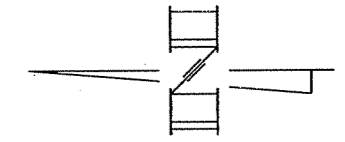
REVISIONS

NOV.18,04

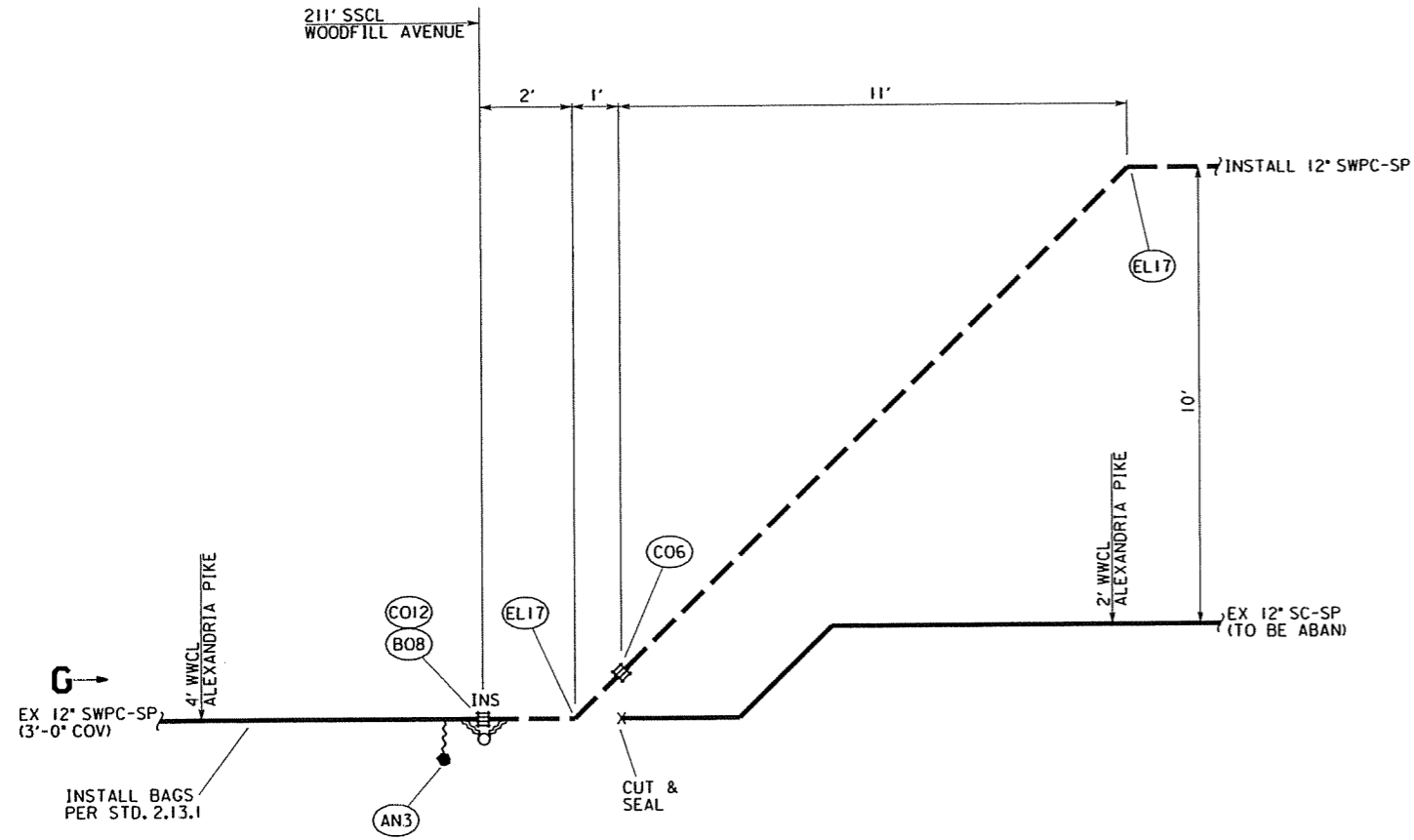
05-8312-0

WR5

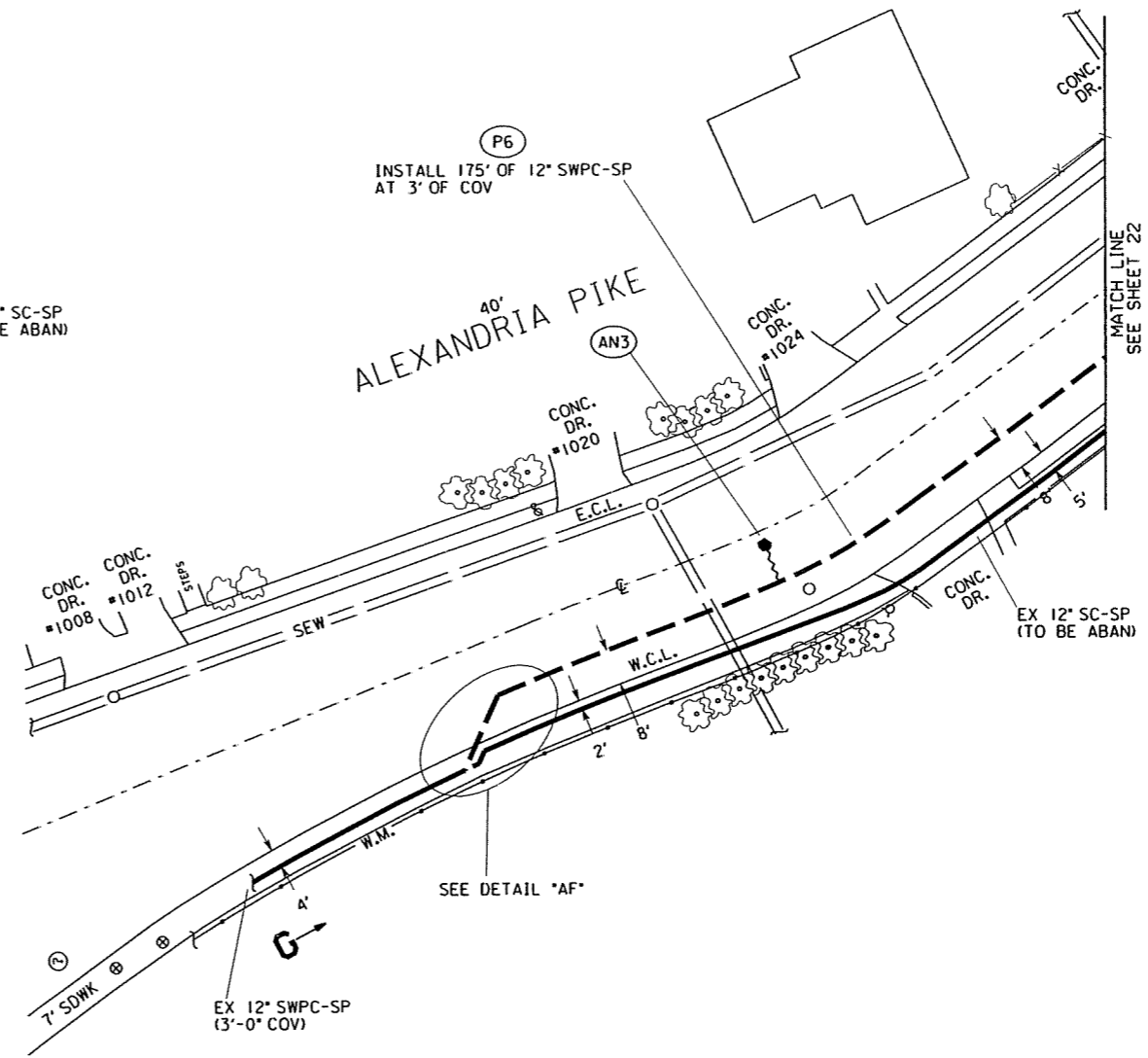
12" HEAT SHRINKABLE WRAP IS TO BE PLACED AT ALL WELD LOCATIONS.



Size	Drill Sod	Drill Pave.	Dir. Bury Sod	Dir. Bury Pave.	Boring
12"				178'	



**DETAIL "AF"**  
N.T.S.



REVISIONS

NOV.18,04

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