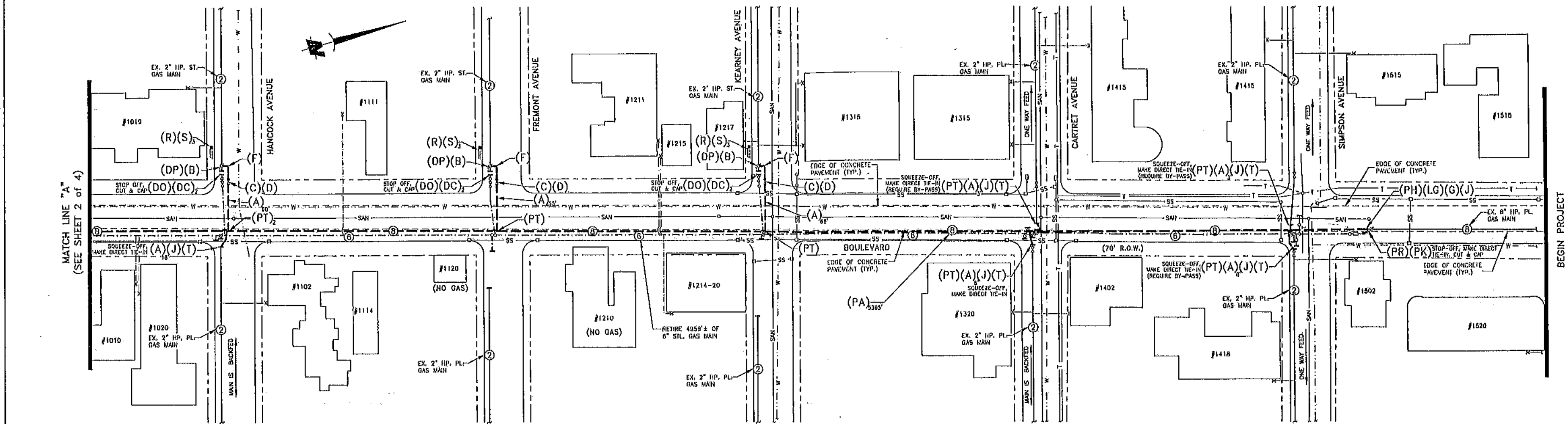


C&R LIST

Boulevard		
108	9349628	9349629
616	9353321	9353322
908	9353327	9353328
920	9353330	9353331
1114	9353341	9353342
Sheridan Ave		
33	9353360	9353361
40	9353369	9353371
41	9353372	9353373
45	9353378	9353380
49	9353381	9353383
62	9353385	9353386
67-69	9353390	9353393
Sherman Ave		
36	9353400	9353401
66	9353410	9353412
Grant Ave		
100	9354773	9354774
Boulevard		
1404	9356765	9356767
1415	9356773	9356775
1510	9356793	9356794
1516	9356803	9356804
1609	9356807	9356809
1618	9356823	9356826
1710	9356832	9356834
1713	9356839	9356840
1819	9356855	9356858
1900	9356861	9356862
1901	9356865	9356866
1906	9356868	9356869
1916	9356889	9356890
O St		
52	9356897	9356898

TIE OVER LIST

Boulevard	
107	9349620
113	9349632
117	9349640
218	9349647
607	9349652
609	9353304
613	9353305
717	9353317
	9353324
1010	9353332
1020	9353333
1111	9353337
1211	9353345
1214-1220	9353349
1216	9353354
Sheridan Ave	
18	9353357
30-32	9353358
34	9353363
39	9353368
55	9353389
61	9353394
62	9353395
67	9353390
Sherman Ave	
30	9353397
34	9353399
42	9353403
60	9353406
62	9353408
	9353413
	9353414
	9353417

TIE OVER LIST

Grant Ave	
27	9353418
29-31	9353421
37	9354758
39	9354760
63	9354763
65	9354766
100	9354769
115	9354775
119	9354780
125	9354781
127	9354783
132	9354786
135	9354788
	9354790
	9354791
Boardwalk	
709	9354794
715	9354796
801	9354799
919	9354803
901	9354820
Ocean Ter	
711	9354823
Boulevard	
1405	9356765
1408	9356771
1506	9356784
1507	9356788
1509	9356792
1610	9356815
1613	9356819
1802	9356845
1807	9356847
1806	9356850
1811	9356852
1909	9356876
1910	9356882

RETIRE ONLY

Sheridan Ave.	
34-R	9353384
Boulevard	
1704	9356830

INSTALL: 2" PLASTIC – SDR11
DISTRIBUTION
ACCOUNT: 376.28
ORDER No: 9369353

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	INSTALLED
A	101338	2"	3,720'	HDPE PLASTIC PIPE 40' LENGTH	
B	101460	2"	15	TRANSITION FITTING	
C	109428	2"	22	HDPE PLASTIC BALL VALVE FIG. 88151	
D	108812	2" & 4"	22	VALVE BOX	
E	101602	2"	2	HDPE PLASTIC TEE	
F	101522	2"	15	HDPE PLASTIC 90° ELL	
J	101590	2"	6	HDPE PLASTIC PURGE POINT	
R	114711	–	16	GLENN-6 C.P. BOX	
S	113937	#17	48	MAG ANODES	
T	101830	2"	24	ELECTROFUSION COUPLING	
DP	103229	2"	15	T.D.W. 3-WAY TEE	
PT	166853	8"x2"	41	ELECTROFUSION HI-VOL TEE	

INSTALL: 4" PLASTIC – SDR11
DISTRIBUTION
ACCOUNT: 376.28
ORDER No: 9263791

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	INSTALLED
BA	101362	4"	22'	HDPE PLASTIC PIPE	
BK	101848	4"	2	ELECTROFUSION COUPLING	
PN	201751	8"x4"	2	BRANCH SADDLE TEE	

INSTALL: 8" PLASTIC – SDR11
DISTRIBUTION
ACCOUNT: 376.32
ORDER No: 9263788

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	INSTALLED
PA	101451	8"	5,450'	HDPE PLASTIC PIPE	
PB	102306	8"	1	TRANS FITTING	
PD	102277	8"	1	HDPE PLASTIC TEE	
PH	102293	8"x6"	1	HDPE PLASTIC REDUCER	
PI	109487	8"	4	HDPE PLASTIC BALL VALVE FIG. 83211	
PJ	154066	8"	4	VALVE BOX	
PK	102322	8"	25	ELECTROFUSION COUPLING	
PM	161481	8"	4	HDPE PLASTIC 90° ELL	
PR	205604	6"x8"	1	PE PLUGGING FITTING, TDW	
LJ	101856	6"	1	ELECTROFUSION COUPLING	

RETIRE
ACCOUNT: 376.12
ORDER No: 9370072

4,958' 6" STEEL
4,956' (1928)

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	INSTALLED
LG	102226	6"x4"	1	HDPE PLASTIC REDUCER	
G	101581	4"x2"	2	HDPE PLASTIC REDUCER	
PH	102293	8"x6"	2	HDPE PLASTIC REDUCER	
J	101590	2"	2	HDPE PLASTIC PURGE POINT	

RETIRE
ACCOUNT: 376.06
ORDER No: 9370073

3,302' 2" STEEL
1,032' (1928)
276' (1929)
69' (1930)
53' (1931)
142' (1932)
6' (1934)
173' (1935)
3' (1936)
203' (1938)
234' (1940)
94' (1946)
108' (1947)
66' (1949)
20' (1951)
167' (1957)
17' (1969)

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	
DO	102361	2"	32	WELD CAP	
DO	103211	2"	17	T.D.W. SHORTSTOP	

RETIRE
ACCOUNT: 376.28
ORDER No: 9370074

582' 2" PLASTIC
10' (1996)
3' (1997)
155' (1998)
93' (1999)
11' (2000)
13' (2001)
6' (2003)
1' (2006)
22' (2007)
35' (2009)
81' (2010)
40' (2013)
83' (2015)

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	
J	101590	2"	26	HDPE PLASTIC PURGE POINT	

RETIRE
ACCOUNT: 376.30
ORDER No: 9370075

541' 6" PLASTIC
90' (1998)
355' (1999)
61' (2001)
47' (2008)
8' (2010)

RETIRE
ACCOUNT: 376.13
ORDER No: 9370076

54' 8" STEEL
24' (1928)
30' (2006)

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	
JO	102458	8"	1	WELD CAP	

RETIRE
ACCOUNT: 370.32
ORDER No: 9370077

10' 8" PLASTIC
10' (2013)

RETIRE
ACCOUNT: 376.28
ORDER No: 9370078

11' 4" PLASTIC
3' (1996)
8' (2013)

ITEM	MAT'L. CODE	SIZE	QTY.	DESCRIPTION	
G	101581	4"x2"	2	HDPE PLASTIC REDUCER	
J	101590	2"	2	HDPE PLASTIC PURGE POINT	

NOTES:

1. MAIN MUST BE INSTALLED AS SHOWN ON PLAN.
2. MAIN MUST BE INSTALLED WITHIN THE:
   50, 60' & 70' PUBLIC R.O.W. ON BOULEVARD
   50' PUBLIC R.O.W. ON SHERMAN & SHERIDAN AVENUE
   60' PUBLIC R.O.W. ON OCEAN TERRACE
   60' PUBLIC R.O.W. ON GRANT AVENUE
3. CONTACT OCEAN DIVISION SUPERVISOR PRIOR TO RETIREMENT SO NOTIFICATION CAN BE MADE TO THE PROPER AGENCIES/AUTHORITIES.
4. RETIRE PIPE USING COMPLETE FILLING METHOD. ALL ENDS OPENED AND PROPER SIZED VENT STACKS INSTALLED. USE 7 NITROGEN CYLINDERS FOR PROPER PURGING.
5. REMOVE ALL EXISTING CP TEST STATIONS UPON RETIREMENT OF MAIN.
6. INSTALL 8" MAIN JUST OFF EDGE OF CONCRETE ROADWAY.

8" TIE-IN SEQUENCE

1. SIMPSON AVENUE
2. N STREET
3. BLAINE AVENUE

LEGEND

— W —	WATER MAIN
— SAN —	SANITARY MAIN
— SS —	STORM SEWER MAIN
— T —	TELE

PRESSURE TEST

MAOP	DESCRIPTION	MINIMUM TEST DURATION
UP TO 60 PSIG	(I) MEDIUM: AIR, INERT GAS PRESSURE: 90 TO 110 PSIG TEST AID: 200 PSIG GAUGE OR	2"-4": 15 MINUTES FOR 0 TO 500 FT; 30 MINUTES FOR OVER 500 TO 1,000 FT; 60 MINUTES FOR OVER 1,000 TO 4,000 FT. ADD 60 MINUTES FOR EACH ADD'L 3,000 FT OR LESS. 6"-8": 60 MINUTES FOR EACH 1,000 FT OR LESS; 10"-12": 60 MINUTES FOR EACH 500 FT OR LESS; 16": 60 MINUTES FOR EACH 300 FT OR LESS.
	(II) MEDIUM: WATER PRESSURE: 90-110 PSIG TEST AID: 200 PSIG GAUGE	4 HOURS

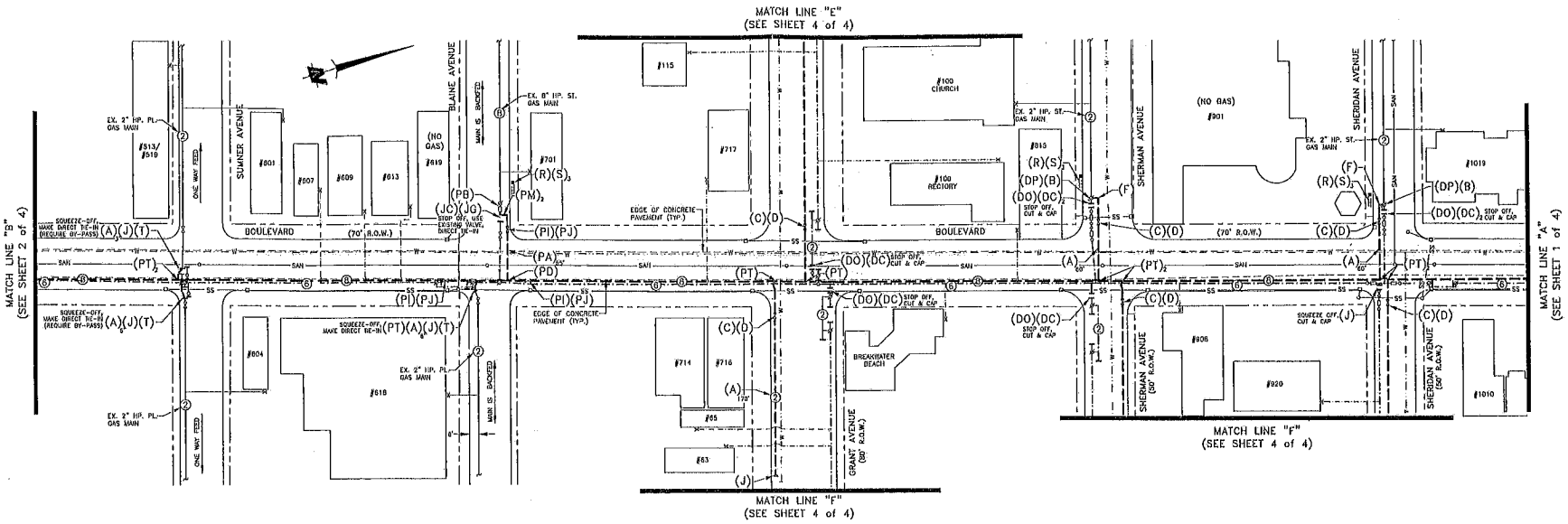
DO NOT SCALE DRAWING

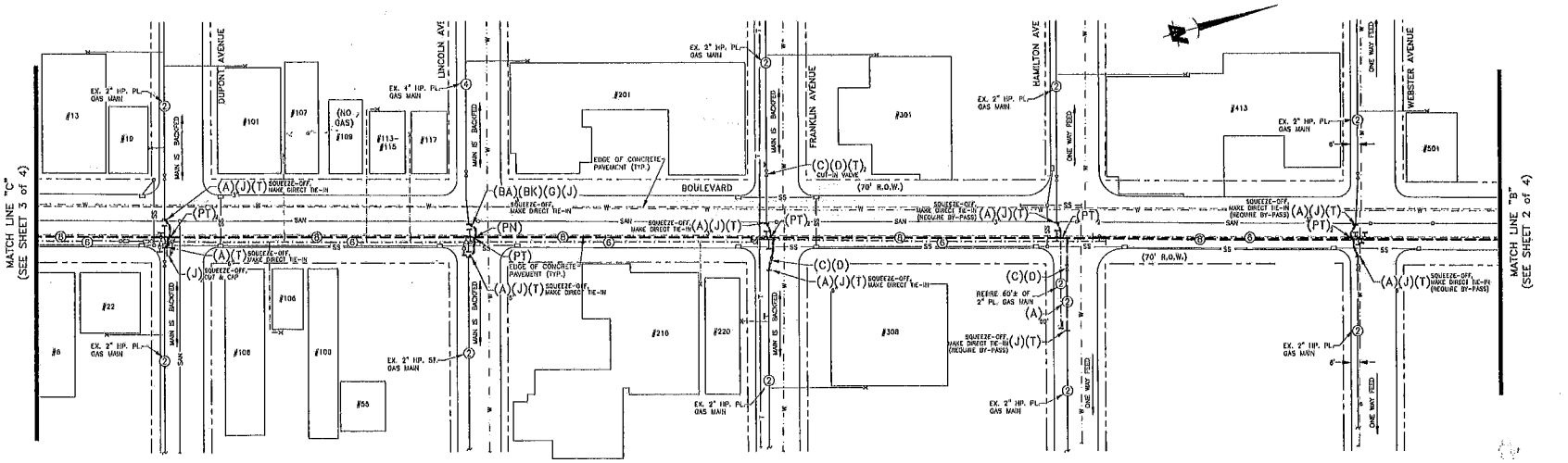
APPROVAL REQUIRED		DATE ORIG		
ENG.				
PMT DEPT.				
CORR. DEPT.				
MGR. ENG.				

		PHONE
DESIGN ENG.	DAVE MENAKER	(732) 919-8066
DIVISION CONTACT	MIGUEL TORO	(732) 905-4319
COORDINATOR		

TEST MEDIUM	MIN. TEST PRESS.	MIN. TEST TIME
AIR OR INERT GAS	100 PSIG	SEE CHART MINS
WATER:	PSIG	MINS

MAIN RENEWAL
SEASIDE BACKBONE-BLVD.
SEASIDE HEIGHTS/ PARK BORO., OCEAN CO.
COST CENTER 61/6240-6620
ACCT. No. 376.28/.28/.32
DRAWN BY DLS 1/16 PLATE No. 36-G
CHECKED BY DM 5/6 PROJECT No. 9199302/9199304
SCALE: 1:40 SHT. 1 OF 4
DRAWING NO. 16406620
New Jersey Natural Gas
PLOT: 1=1





LEGEND	
W	WATER MAIN
SAN	SANITARY MAIN
SS	STORM SEWER MAIN
T	TELE

PRESSURE TEST		
MAOP	DESCRIPTION	MINIMUM TEST DURATION
UP TO 60 PSIG	(I) MEDIUM AIR, INERT GAS PRESSURE: 60 TO 110 PSIG TEST AIR: 100 PSIG GAUGE OR	2"-4": 15 MINUTES FOR 0 TO 500 FT; 30 MINUTES FOR OVER 500 TO 1,000 FT; 60 MINUTES FOR OVER 1,000 TO 1,500 FT. ADD 60 MINUTES FOR EACH ADDL. 1,000 FT OR LESS. 6"-8": 60 MINUTES FOR EACH 1,000 FT OR LESS. 10"-12": 60 MINUTES FOR EACH 500 FT OR LESS. 16": 60 MINUTES FOR EACH 300 FT OR LESS.
	(II) MEDIUM: WATER PRESSURE: 90-110 PSIG TEST AIR: 200 PSIG GAUGE	4 HOURS

LEGEND

Symbol	Description
	Exist. Main
	Exist. Gas
	To be Added
	Proposed Main
	Exist. Water
	Exist. Sewer
	To be Added
	Proposed Sewer
	Exist. Tele
	Low Press.
	Medium Press.
	Intermediate Press.
	High Press.
	Pump Force
	Gravity
	Shaft Press.
	Impression Point
	Gate Valve
	Check Valve
	Insertion Fitting
	Fire Hydrant
	Curb Box
	Exist. Tee
	Exist. 1-Way Tee
	Exist. Blind Flange
	Exist. Tee Reducer
	Regulator
	Relief Valve
	Anchor
	Anchor
	2"-4" Tap & Service Line Cut & Cap
	Stop Valve
	Check Valve
	Insertion Fitting
	Fire Hydrant
	Curb Box
	Exist. Tee
	Exist. 1-Way Tee
	Exist. Blind Flange
	Exist. Tee Reducer
	Regulator
	Relief Valve
	Anchor
	Anchor
	2"-4" Tap & Service Line Cut & Cap

DO NOT SCALE DRAWING

APPROVAL REQUIRED	ORIG	DATE	
ENG.			
PMT DEPT.			
CONST. DEPT.			
MGR. ENG.			

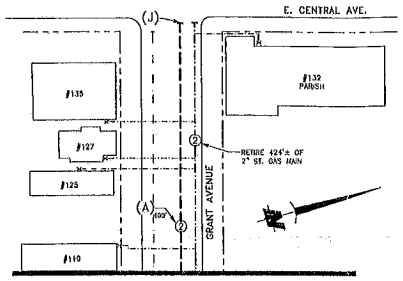
DESIGN ENG.	DAVE KEMAKER	PHONE (732) 919-8066	
DIVISION CONTACT	MICHAEL FURNI	(732) 901-4319	
COORDINATOR			
TEST MEDIUM	MIN. TEST PRESS.	MIN. TEST TIME	
AIR OR INERT GAS	100 PSIG	SEE CHART MINS	
WATER:	PSIG		MINS

NO	DATE	BY	REVISION	DATE	BY	DATE	APPROVED
A							
B							
C							
D							

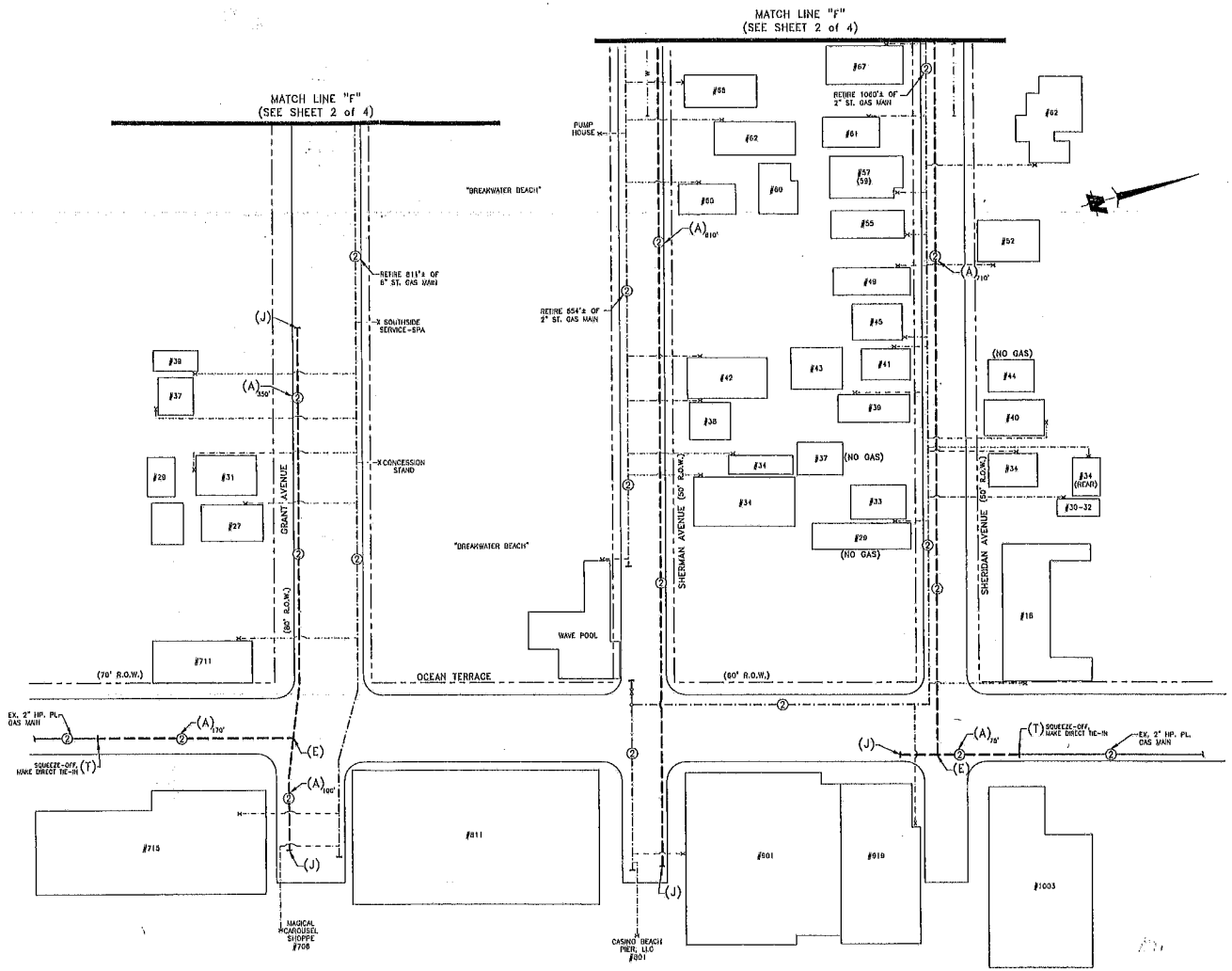
New Jersey Natural Gas

MAIN RENEWAL
SEASIDE BACKBONE-BLVD.
SEASIDE HEIGHTS/ PARK BORO., OCEAN CO.

COST CENTER 61/0240-6620
ACCT. No. 376.20/30/32
DRAWN BY DNL | ULS 1/16 | PMT# No. 36-0
CHKD BY DNL | 5/6 | PMT# No. 8159302/9199304
SCALE: 1:40 | STR.# 2 OF 4
DRAWING NO. 18405620
PLOT: 1=1
FILE: J:\CCDAM\MAIN\1640620.DWG



MATCH LINE "E"
(SEE SHEET 2 of 4)



LEGEND	
W	WATER MAIN
SAN	SANITARY MAIN
SS	STORM SEWER MAIN
T	TELE

PRESSURE TEST		
MAOP	DESCRIPTION	MINIMUM TEST DURATION
UP TO 60 PSIG	(I) MEDIUM: AIR, INERT GAS PRESSURE: 90 TO 110 PSIG TEST AGN: 200 PSIG GAUGE OR	2"-4": 10 MINUTES FOR 0 TO 500 FT 20 MINUTES FOR OVER 500 TO 1,000 FT 60 MINUTES FOR OVER 1,000 TO 4,000 FT ADD 60 MINUTES FOR EACH ADD'L 3,000 FT OR LESS. 6"-8": 60 MINUTES FOR EACH 1,000 FT OR LESS 10"-12": 60 MINUTES FOR EACH 500 FT OR LESS 16": 60 MINUTES FOR EACH 300 FT OR LESS.
	(II) MEDIUM: WATER PRESSURE: 90-110 PSIG TEST AGN: 300 PSIG GAUGE	4 HOURS

LEGEND

Cast Iron Pipe	Gate Valve
Ductile Iron Pipe	Check Valve
Wrapped Steel Pipe	Tandem Valve
Polyethylene Pipe	Air Valve
Cast Iron Pipe	Plug Valve
Ductile Iron Pipe	Ball Valve
Wrapped Steel Pipe	Tee
Low Point	Tee Blanking Plate
Medium Point	Tee Blanking Plug
Highest Point	Reducer
Pump Press.	Reset Valve
Tank Press.	Anchor Anchor
Transducer Point	Air Blow Assembly
	Curb Box
	Cut & Cap
	Gas Valve
	Direct Valve
	Air Filling
	Air Spherical
	Tee
	Tee 2-Way Set
	Tee Blanking Plate
	Reducer Tee
	Reducer
	Reset Valve
	Anchor
	Anchor
	Air Blow Assembly
	Curb Box
	Cut & Cap

DO NOT SCALE DRAWING

APPROVAL REQUIRED	ORIG	DATE MGR	DATE MGR
ENG.			
PMT DEPT.			
CORR. DEPT.			
MGR. ENG.			

		PHONE
DESIGN ENG.	DAVE HEMAKER	(732) 919-8556
DIVISION CONTACT	MIGUEL CRUZ	(732) 505-4319
COORDINATOR		

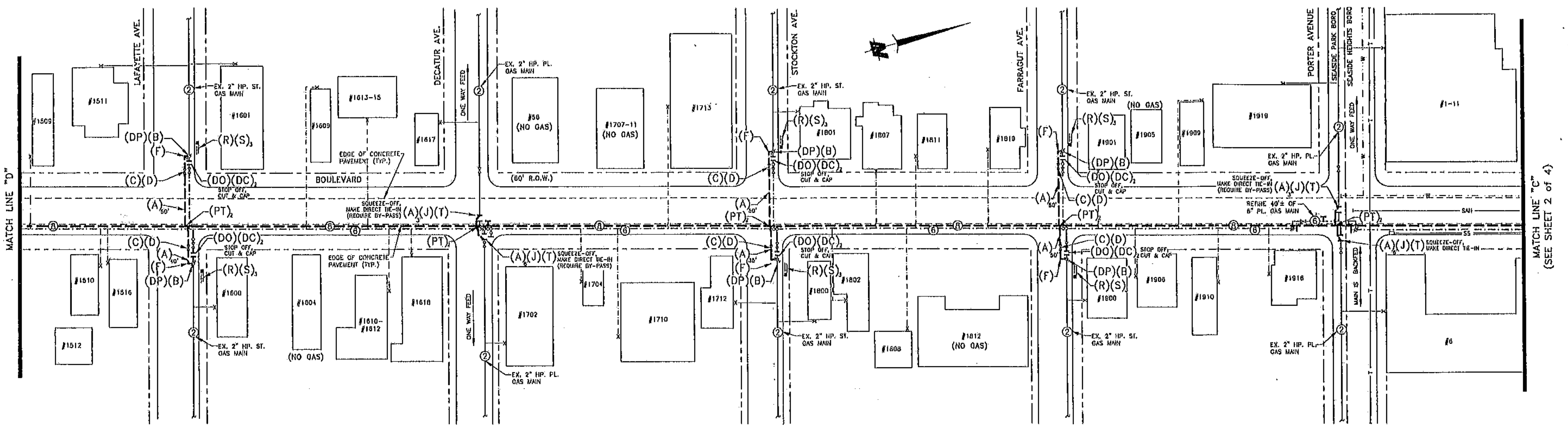
TEST MEDIUM	MIN. TEST PRESS.	MIN. TEST TIME
AIR OR INERT GAS	100 PSIG	SEE CHART MINS
WATER:	PSIG	MINS

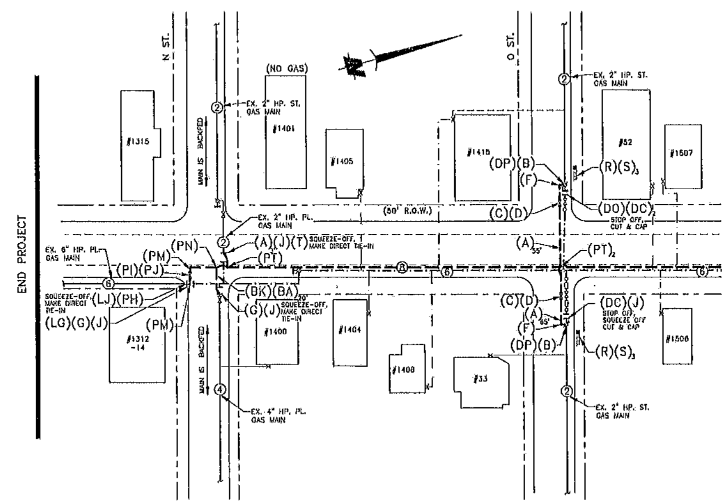
NO	DATE	BY	REVISION	APPR	BY	DATE	APPROVAL DEPT.
A							PGE
B							CONSTRN
C							OPS
D							

MAIN RENEWAL
SEASIDE BACKBONE-BLVD.

SEASIDE HEIGHTS/ PARK BORO., OCEAN CO.

COST CENTER 61/6240-6620
ACCT. No. 370.20/28/32
DRAWN BY DLS 11/16 PVNC No. 58-G
CHKD BY DAV 5/6 PRMT No. 9109302/9199304
SCALE 1:40 SHT. 1 OF 1
DRAWING NO. 16406020 A
New Jersey Natural Gas
REF: A:\OCEAN\MAIN\16406020.DWG
PLOT 1-1





LEGEND

Line	Description
—W—	WATER MAIN
—SAN—	SANITARY MAIN
—SS—	STORM SEWER MAIN
—T—	TELE

PRESSURE TEST

MAOP	DESCRIPTION	MINIMUM TEST DURATION
UP TO 60 PSIG	(I) MEDIUM: AIR, INERT GAS PRESSURE: 90 TO 110 PSIG TEST AID: 200 PSIG GAUGE OR	2"–4": 15 MINUTES FOR 0 TO 500 FT 30 MINUTES FOR OVER 500 TO 1,000 FT 60 MINUTES FOR OVER 1,000 TO 4,000 FT *ADD 60 MINUTES FOR EACH ADD'L 3,000 FT OR LESS.* 6"–8": 60 MINUTES FOR EACH 1,000 FT OR LESS 10"–12": 60 MINUTES FOR EACH 500 FT OR LESS 16": 60 MINUTES FOR EACH 300 FT OR LESS.
	(II) MEDIUM: WATER PRESSURE: 90–110 PSIG TEST AID: 200 PSIG GAUGE	4 HOURS

LEGEND

Symbol	Description	Symbol	Description
	Exist. Main		Open Valve
	Exist. Main to be Retired		Closed Valve
	Proposed Main		Transition Fitting
	Exist. Service		PE Fitting
	Exist. Service to be Retired		TDW Spherical Tee
	Proposed Service		TDW 3-Way Tee
Main / Service	Low Press.		TDW Shortstop
	Medium Press.		Flanged Tee
	Intermediate Press.		Reducer
	High Press.		Regulator
	Pump Press.		Relief Valve
	Trunk Press.		Anode
	Transmission Press.		Insulator
			CP Sta. w/Anode
			Water Ext Led
			Cut & Cap

DO NOT SCALE DRAWING

APPROVAL REQUIRED		DATE ORIG	REVISION 1	REVISION 2
ENG.				
PMT DEPT.				
CORR. DEPT.				
MGR. ENG.				

		PHONE
DESIGN ENG.	DAVE HENAKER	(732) 919-0066
DIVISION CONTACT	MIGUEL TORO	(732) 909-4319
COORDINATOR		

TEST MEDIUM	MIN. TEST PRESS.	MIN. TEST TIME
AIR OR INERT GAS	100 PSIG	SEE CHART MINS
WATER:	PSIG	MINS

NO	DATE	BY	REVISIONS	APPR.	BY	DATE	DEPT.
				APPROVALS			

MAIN RENEWAL
SEASIDE BACKBONE–BLVD.
SEASIDE HEIGHTS/ PARK BORO., OCEAN CO.

COST CENTER 61/6240–6620
ACCT. No. 376. 20/.28/.32
DRAWN BY DLS 1/16 PLATE No. 36–G
CHECKED BY [illegible] 5/6 PROJECT No. 0109302/0109304
New Jersey Natural Gas
SCALE: 1:40
SHT. 3 OF 4
DRAWING NO. 16406620
REVISION
PLOT: 1=1
FILE: J:\OCEAN\MAJOR\16406620.DWG