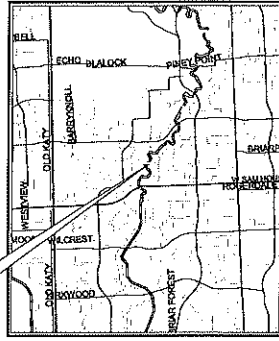
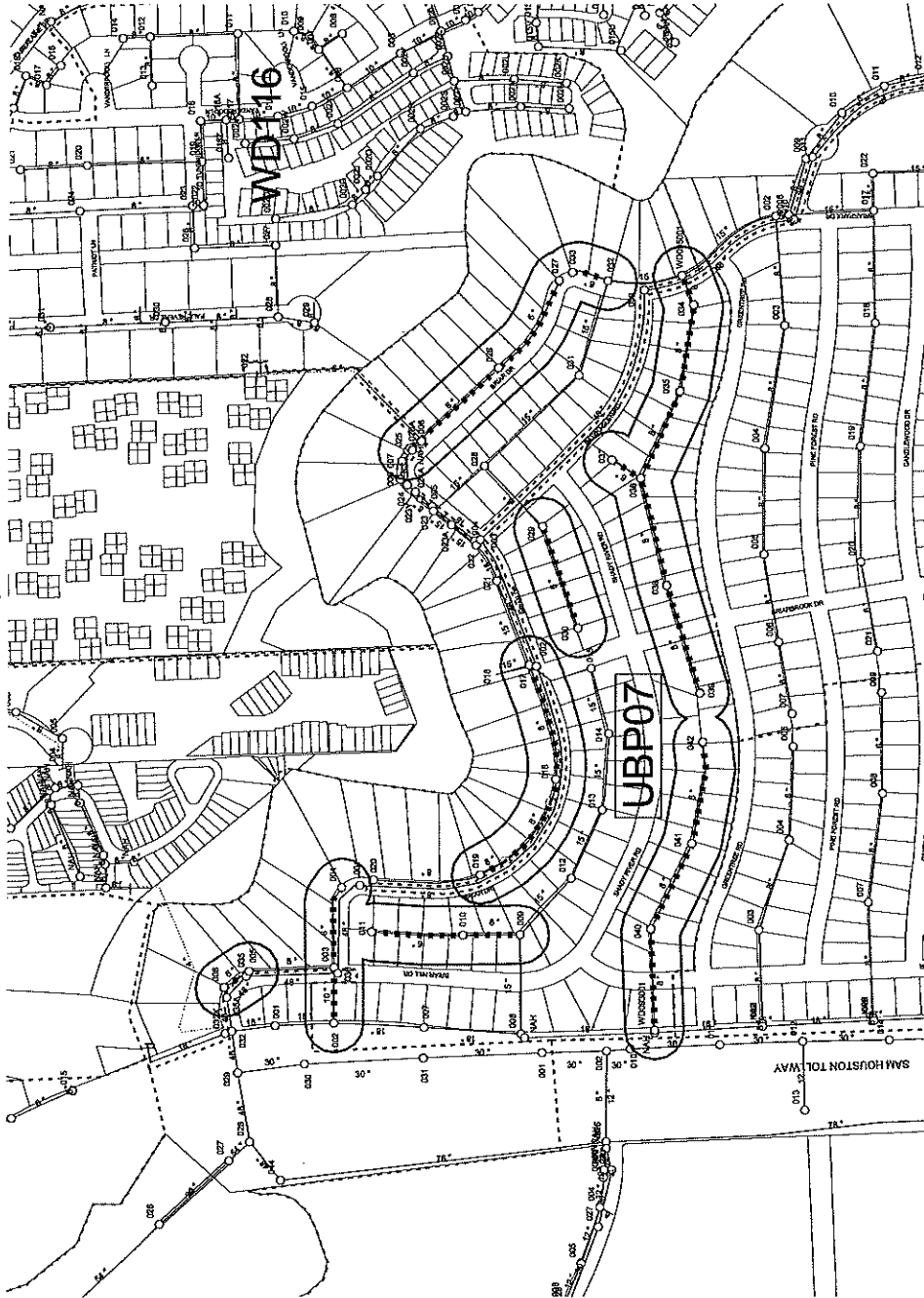


CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Slipping and Pipe Bursting Methods
 BRIARGROVE PARK
 COUNCIL DISTRICT: G



LEGEND	
	UTILITY LINE
	MANHOLE
	PIPE SIZE
	DEPTH
	PIPE MATERIAL
	PIPE TYPE
	MANHOLE TYPE
	AREA

REVISION	
NO.	DESCRIPTION

GENERAL NOTES:
 1. EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF ALL UTILITY LINES SHALL BE DETERMINED BY FIELD SURVEY.
 2. ALL UTILITY LINES SHALL BE DEPTH MARKED.
 3. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK AREA PRIOR TO MOVING EQUIPMENT AND MATERIAL.



QUALITY CONTROL LAB:
 5750 WINDEN HIGHLAND, HOUSTON, TEXAS 77041
 PHONE NO. (713) 885-7945
 FAX NO. (713) 885-7945

CONTRACTOR:
 19410 HENRY BLVD., HOUSTON, TEXAS 77060
 PHONE NO. (832) 448-9022
 FAX NO. (832) 448-9004

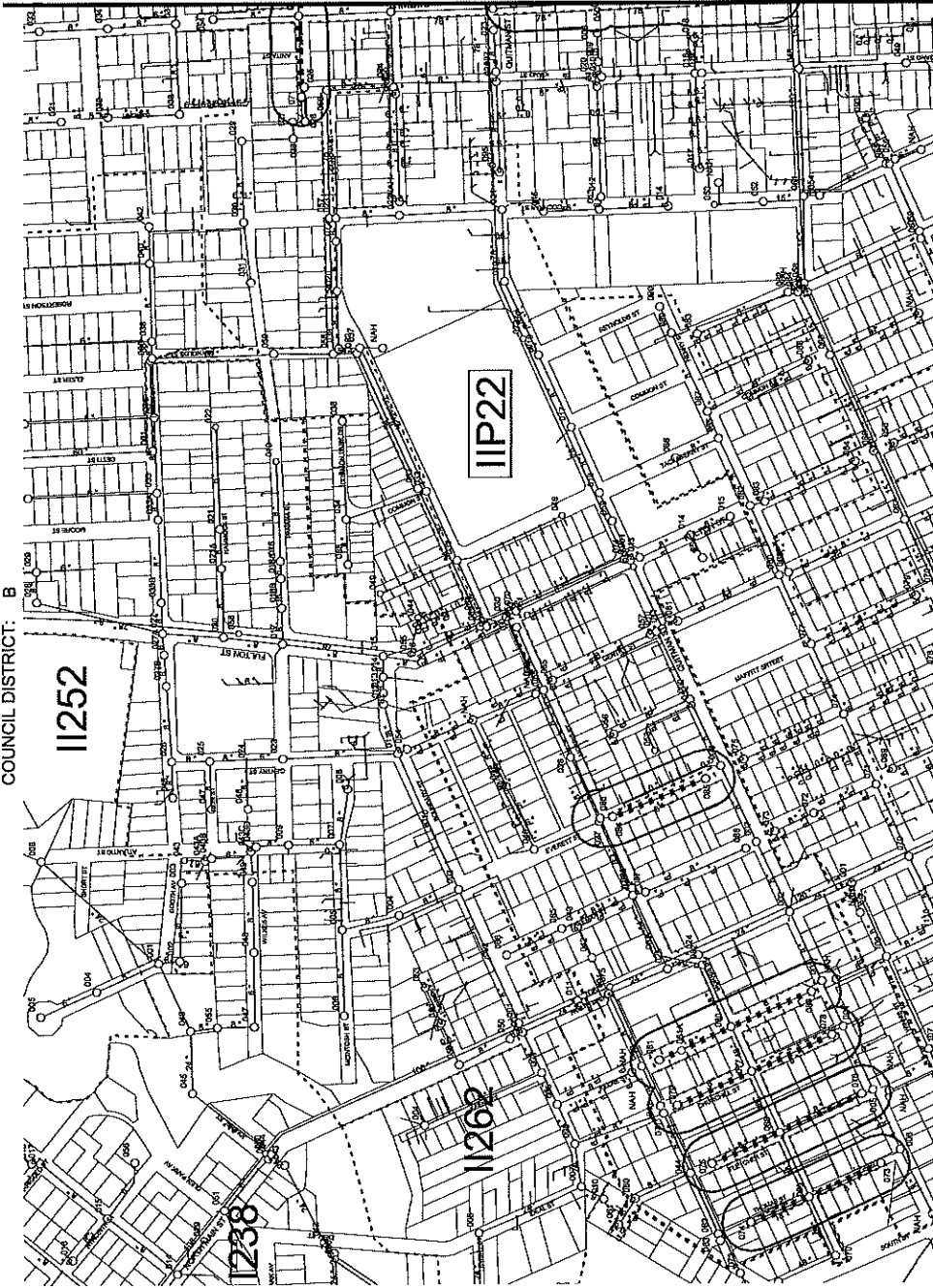
QUADRANT: SW
 KEY MAP: 489M
 SEWER MAP: L4857
 P MAP: P2676

WORK ORDER NO. 1
 WWP FILE NO. 4257-104
 WBS NO. R-000268-0133-4
 CITY CONTRACT NO. C-4600059667
 WASTEWATER OPERATIONS BRANCH
 4635 GROVEMAN DR., HOUSTON, TEXAS 77077
 APPROVALS:
 PROJECT DESIGNER: WALTER REISCH
 PROJECT ENGINEER: WALTER REISCH
 PROJECT SUPERVISOR: WALTER REISCH
 PROJECT INSPECTOR: WALTER REISCH
 PROJECT OPERATOR: WALTER REISCH
 PROJECT MAINTENANCE: WALTER REISCH
 PROJECT RECORDS: WALTER REISCH
 PROJECT ARCHIVE: WALTER REISCH
 PROJECT CLOSEOUT: WALTER REISCH
 PROJECT REVIEW: WALTER REISCH
 PROJECT APPROVAL: WALTER REISCH
 PROJECT SIGNATURE: WALTER REISCH
 PROJECT DATE: 01/20/2017

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
WASTEWATER OPERATIONS BRANCH

Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods
LITTLE & DICKENSON
COUNCIL DISTRICT: B



VICINITY MAP

I1P22

SEE SHEET 2

LEGEND

MANHOLE TO BE REHABILITATED BY SLIPLINING
MANHOLE TO BE REHABILITATED BY PIPE BURSTING

EXIST. 12" DIA. SAN. SEWER
EXIST. 18" DIA. SAN. SEWER

PROP. MANHOLE REPAIR BY OTHERS
PROP. 12" REHABIL. OR OTHERS BY NEW SERVICE

NEW11 - 8" DIA. PVC

NO.	REVISION DESCRIPTION	DATE

GENERAL NOTES:

- EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEW. LINES, AND/OR MANHOLES SHALL BE AS PER FIELD.
- AFTER REVIEW OF TRENCH, CONTRACTORS SHALL BE NOTIFIED TO HIGH VOLTAGE SECTIONS TO BE REPARATED.
- CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND MATERIALS.
- WORK SHALL BE COMPLETED PRIOR TO MOVING EQUIPMENT AND MATERIAL.



QUALITY CONTROL LAB:
City of Houston
5700 West Loop South, Room 7704
Houston, TX 77041
PHONE NO. (713) 867-7645
FAX NO. (713) 866-7643

CONTRACTOR:
Wastewater Ops, Inc.
15415 West Loop South, Room 7706
Houston, TX 77041
PHONE NO. (832) 442-3032
FAX NO. (832) 442-3034

QUADRANT: NE
KEY MAP: 458D
SEWER MAP: L5455
T MAP: T0922 (FY 2010)

WORK ORDER NO. 2
WW FILE NO. 4257-104
WBS NO. R-000266-0133-4
CITY CONTRACT NO. C-460009867
WASTEWATER OPERATIONS BRANCH 4545 GROVEWAY DR., HOUSTON TX 77078
APPROVALS
WATERWORKS _____
WASTEWATER _____
STORM SEWERS _____
SEWER SERVICE _____
TRAFFIC AND TRANSPORTATION _____
PLANNING AND DEVELOPMENT _____
SEWER REHABILITATION COLLECTION SYSTEMS _____
CHECKED BY _____



SEE SHEET 3

SEE SHEET 1

WORK ORDER NO. 2
 WW FILE NO. 4257-104
 WBS NO. R-000266-0133-4
 CITY CONTRACT NO. C-160000867
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 SANITARY SEWER REHABILITATION PROJECT

APPROVALS
 WATER DESIGN: [Signature]
 WATER QUALITY: [Signature]
 CONSTRUCTION: [Signature]
 TRENCH AND TRANSPORTATION: [Signature]
 PLANNING & DEVELOPMENT: [Signature]
 COLLECTION SYSTEMS OPERATIONS SECTION: [Signature]

ISSUED BY: [Signature]
 SCALE: 1"=200'
 DATE: 02/20/10
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

Sanitary Sewer Rehabilitation by Sliplining & Pipebursting Methods

CONTRACTOR:
 [Signature]
 15410 HWY 66, HOUSTON, TEXAS 77060
 PHONE NO. (832) 444-5002
 FAX NO. (832) 444-9004

QUALITY CONTROL LAB:
 [Signature]
 2200 WILSON ROAD, HOUSTON, TEXAS 77041
 PHONE NO. (713) 865-7345
 FAX NO. (713) 865-7140



GENERAL NOTES:

1. SEE PLAN SECTION AND DATE OF SETTING FOR EXISTING SAN. SEW. LINES AND/OR MANHOLES SHALL BE AS PER FIELD.
2. AFTER REVIEW OF TAKES, CONTRACTOR SHALL BE NOTIFIED TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
3. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK AREA LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.



LEGEND

PROPOSED WORK TO BE REHABILITATED OR EXIST.
 SAN. SEW. AS SHOWN IN WORK ORDER

UNBURNED OR DATE OF SAN. SEW. DOCUMENTATION

PROPOSED MANHOLE REPAIR BY OTHERS

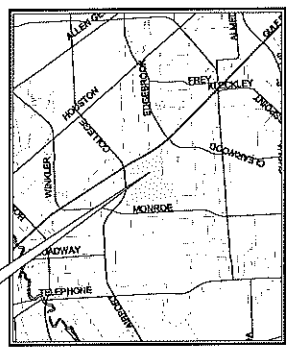
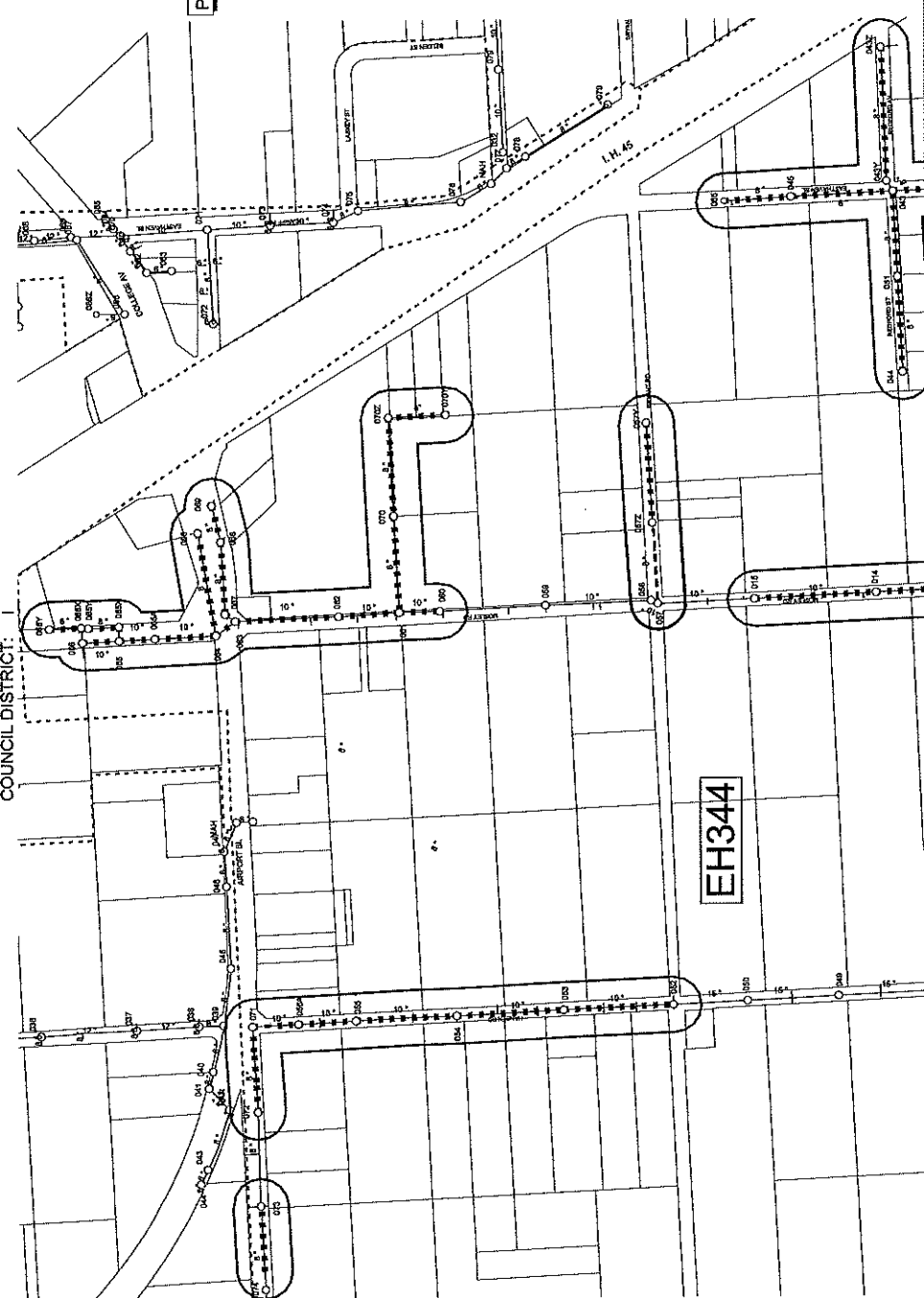
PROPOSED REPAIR ON EXISTING SANITARY SEWER

NEM11 - SIGNATURE

NO.	REVISION	DATE

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods
 SOUTH HOUSTON GARDENS
 COUNCIL DISTRICT:



EH344

LEGEND

PROPOSED TO BE REHABILITATED BY SLIPLINING AND PIPE BURSTING METHODS

EXISTING MANHOLE

EXISTING MANHOLE

PROPOSED MANHOLE

PROPOSED MANHOLE

NEW11 - SUBURBAN

NO.	REVISION	DESCRIPTION	DATE

GENERAL NOTES:

1. LOCATE LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEWER LINES AND/OR MANHOLES SHALL BE AS PER FIELD DATA.
2. AFTER REVIEW OF TRENCH, CONTRACTOR SHALL BE NOTIFIED TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
3. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE TRENCH LOCATIONS PRIOR TO TRENCHING, REPAIRS AND MATERIAL.

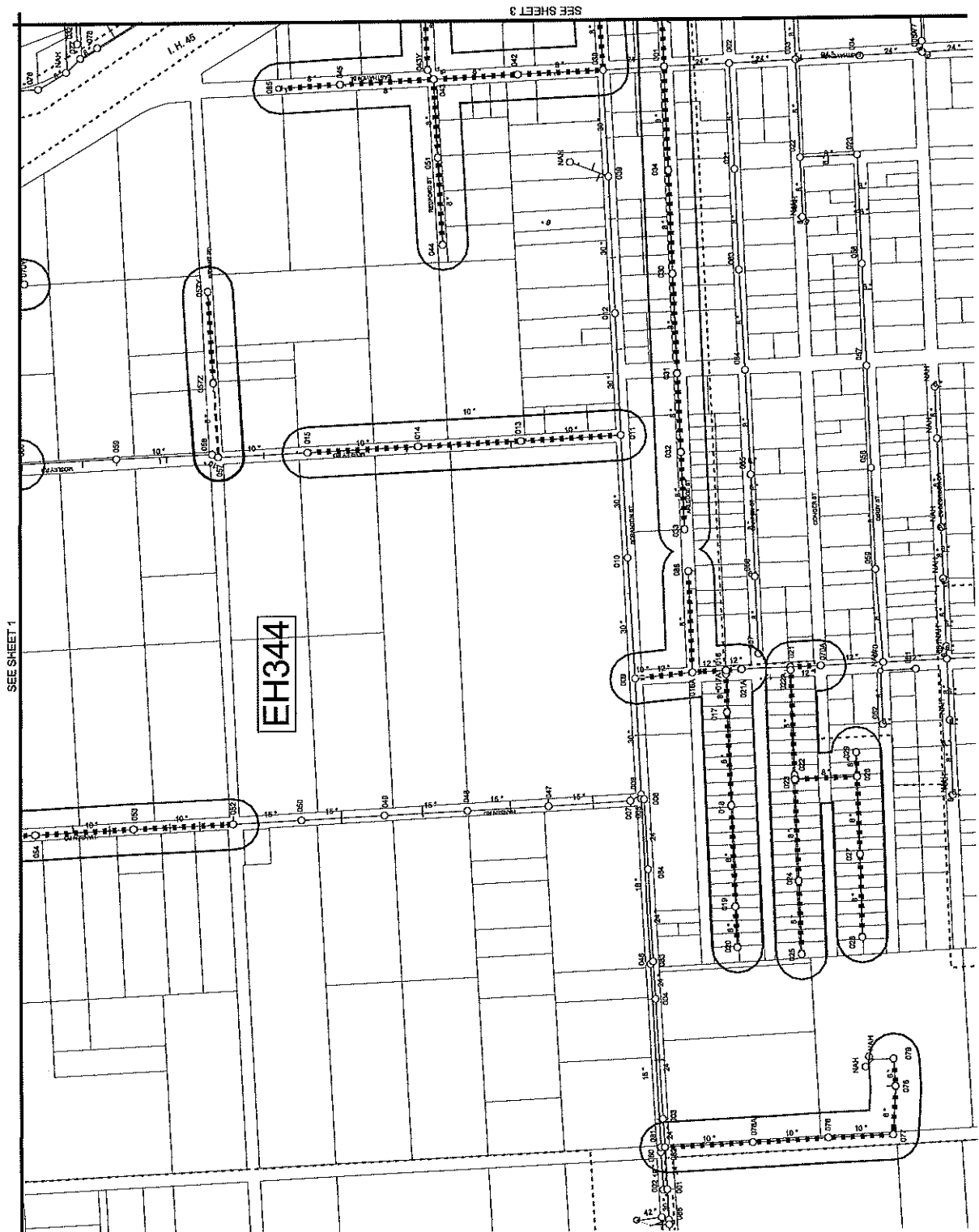


QUALITY CONTROL LAB:
 Avise Engineering Corporation
 77041
 PHONE NO. (713) 857-7845
 FAX NO. (713) 857-7840

CONTRACTOR:
 North Houston Pipe Line
 77041
 PHONE NO. (832) 448-8382
 FAX NO. (832) 448-8384

QUADRANT: SE
KEY MAP: 5765
SEWER MAP: L5652 & L5653
T. MAP: T0927 (FY 2010)

WORK ORDER NO. 3	WWS FILE NO. 4257-104
WBS NO. R-000266-0133-4	CITY CONTRACT NO. C-4600009867
MANHOLE NO. 100115, 100116, 100117, 100118, 100119, 100120, 100121, 100122, 100123, 100124, 100125, 100126, 100127, 100128, 100129, 100130, 100131, 100132, 100133, 100134, 100135, 100136, 100137, 100138, 100139, 100140, 100141, 100142, 100143, 100144, 100145, 100146, 100147, 100148, 100149, 100150, 100151, 100152, 100153, 100154, 100155, 100156, 100157, 100158, 100159, 100160, 100161, 100162, 100163, 100164, 100165, 100166, 100167, 100168, 100169, 100170, 100171, 100172, 100173, 100174, 100175, 100176, 100177, 100178, 100179, 100180, 100181, 100182, 100183, 100184, 100185, 100186, 100187, 100188, 100189, 100190, 100191, 100192, 100193, 100194, 100195, 100196, 100197, 100198, 100199, 100200	APPROVALS
DESIGNED BY: JERRY A. SMITH	CHECKED BY: JERRY A. SMITH
SCALE: 1" = 20'	DATE: 08/11/09
SHEET NO. 1 OF 3 SHEETS	PROJECT NO. C-4600009867



SEE SHEET 1

SEE SHEET 3

LEGEND

- PROP. MANHOLE TO BE REMOVED OR EXIST, PER WORK ORDER
- PROP. MANHOLE TO BE REPLACED, PER WORK ORDER
- PROP. MANHOLE TO BE REPLACED BY OTHERS
- PROP. PT. REMOVE OR EXISTING SANITARY SEWER

NER11 - BASKLAND

NO.	REVISION	DATE

GENERAL NOTES:

1. ALL REVISIONS TO THIS PLAN SHALL BE MADE BY THE ENGINEER. ANY CHANGES TO THE PLAN SHALL BE MADE BY THE ENGINEER.
2. AFTER REVIEW OF TAKEN, CONTRACTORS SHALL BE NOTIFIED TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
3. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK ORDER LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.



QUALITY CONTROL LAB:
 Engineering Corporation
 2705 West Loop South, Suite 70041
 Houston, Texas 77041
 PHONE NO. (713) 885-7848
 FAX NO. (713) 885-7848

CONTRACTOR:
 South Houston S&S
 15410 Honeywell Boulevard, Texas 77060
 PHONE NO. (832) 445-9032
 FAX NO. (832) 445-8054

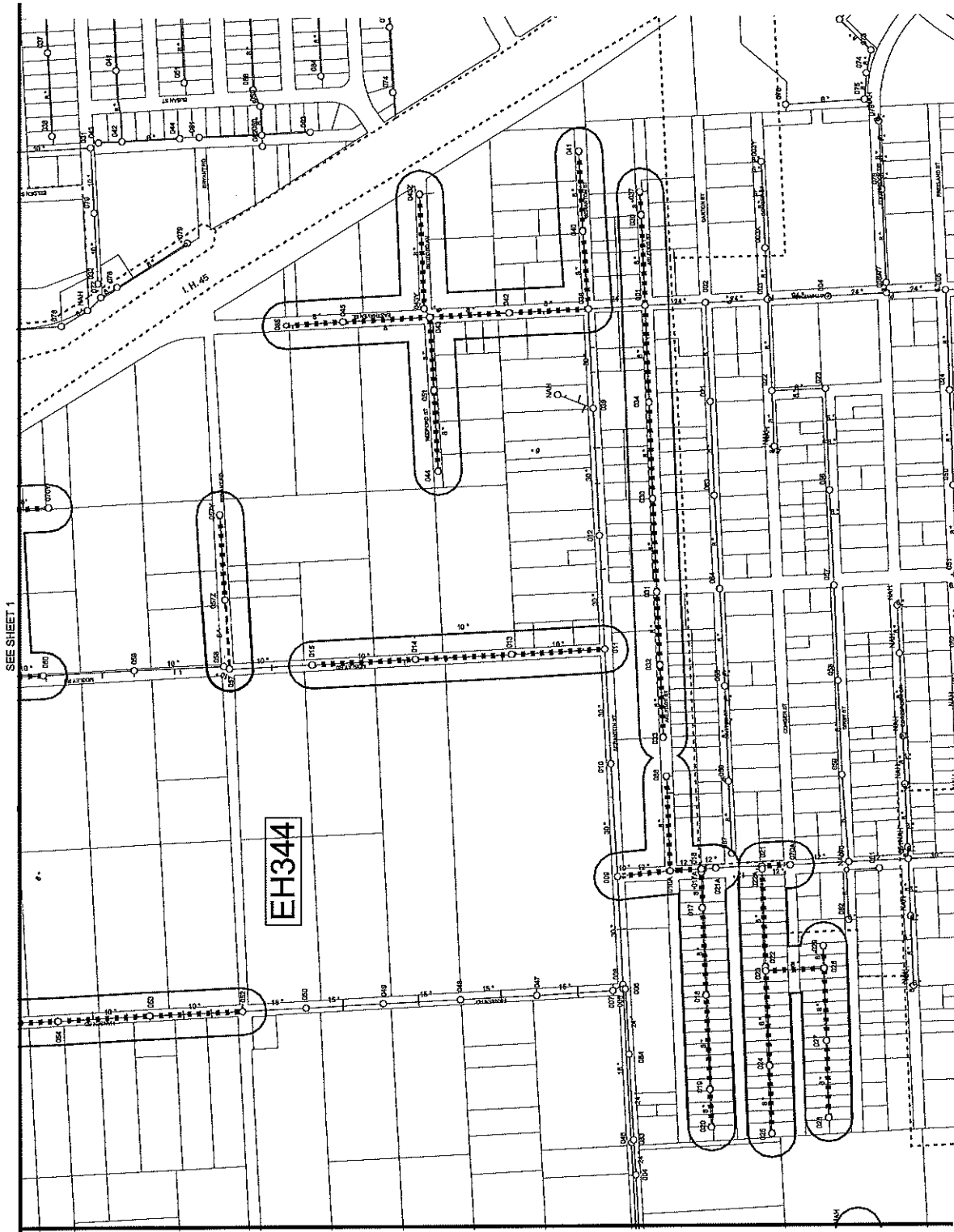
QUADRANT: SE
KEY MAP: 5753
SEWER MAP: 15852 & 15853
SUBDIVISION: SOUTH HOUSTON GARDENS
COUNCIL DISTRICT:
T. MAP:

MANHOLE ENGINEER (BY OPERATIVE SIGN)
APPROVALS

WATER DESIGN	PAVING DESIGN
WATER QUALITY	SANITARY ENGINEER
CONSTRUCTION	STORM ENGINEER
TRAFFIC AND TRANSPORTATION	PLANNING & CYCLES, ETC.
COLLECTION SYSTEMS OPERATIONS SECTION	GLUED BY

SUBMITTED: _____
 SCALE: 1"=30'
 DATE: 02/20/16
 SHEET NO. 3 OF 3 SHEETS
 S.A. NO.: _____
 C.I.S. NO.: _____

WORK ORDER NO. 3
 WW FILE NO. 4257-104
 WSS NO. R-000266-0133-4
 CITY CONTRACT NO. C-4600008867
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1445 DOWNEY AVENUE
 HOUSTON, TEXAS 77002



SEE SHEET 1

EH344

SEE SHEET 2

LEGEND	
	PROPOSED SEWER LINE
	EXISTING SEWER LINE
	MANHOLE
	WATER MAIN
	STORM SEWER
	UTILITY
	BUILDING

WORK ORDER NO.	3
WW FILE NO.	4257-104
WRS NO.	R-000268-0133-4
CITY CONTRACT NO.	C-4800009867
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING SANITARY SEWER DIVISION 1450 DRAVEMAN ST., HOUSTON, TX 77057	
APPROVALS	
WATER DESIGN	PAVING DESIGN
WATER QUANTITY	SANITARY SYSTEMS
CONSTRUCTION	STORM SEWERS
TRAFFIC AND TEMPORARY	PLANNING & DEVELOPMENT
COLLECTION SYSTEMS	OPERATIONS SECTION
MANAGED BUSINESS SYSTEMS SECTION	
DESIGNED BY	AMERSON
CHECKED BY	R. J. BROWN
SCALE	1" = 30'
DATE	02/24/20
SHEET NO.	3
TOTAL SHEETS	3
PROJECT NO.	15997 (P) (000)
GIS NO.	

QUADRANT:	SE
KEY MAP:	3752
SEWER MAP:	3752
SUBDIVISION:	SCOTT BROS. SUBDIVISION
COUNCIL DISTRICT:	
T. MAP:	15997 (P) (000)

Sanitary Sewer Rehabilitation by Sliplining & Pipebursting Methods

CONTRACTOR:
North Houston Pipe Line
14001 North Loop West, Suite 7100
Houston, TX 77041
PHONE NO. (281) 444-8924
FAX NO. (281) 444-8924

QUALITY CONTROL LAB:
Avalon Engineering Corporation
2000 West Loop West, Suite 7041
Houston, TX 77041
PHONE NO. (713) 852-7843
FAX NO. (713) 852-7843



- GENERAL NOTES:**
- EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING MAIN, S.W. LINES AND/OR MANHOLES SHALL BE AS PER FIELD SURVEY.
 - FOR REVIEW OF PROPOSED WORK, CONTRACTOR SHALL SUBMIT PHOTOGRAPHS OF EXISTING MAINS AND MANHOLES TO BE REPAIRED TO THE CITY ENGINEER'S OFFICE PRIOR TO THE START OF WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND MATERIALS OF ALL UTILITIES TO BE AVOIDED.

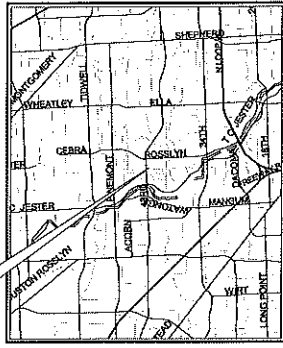
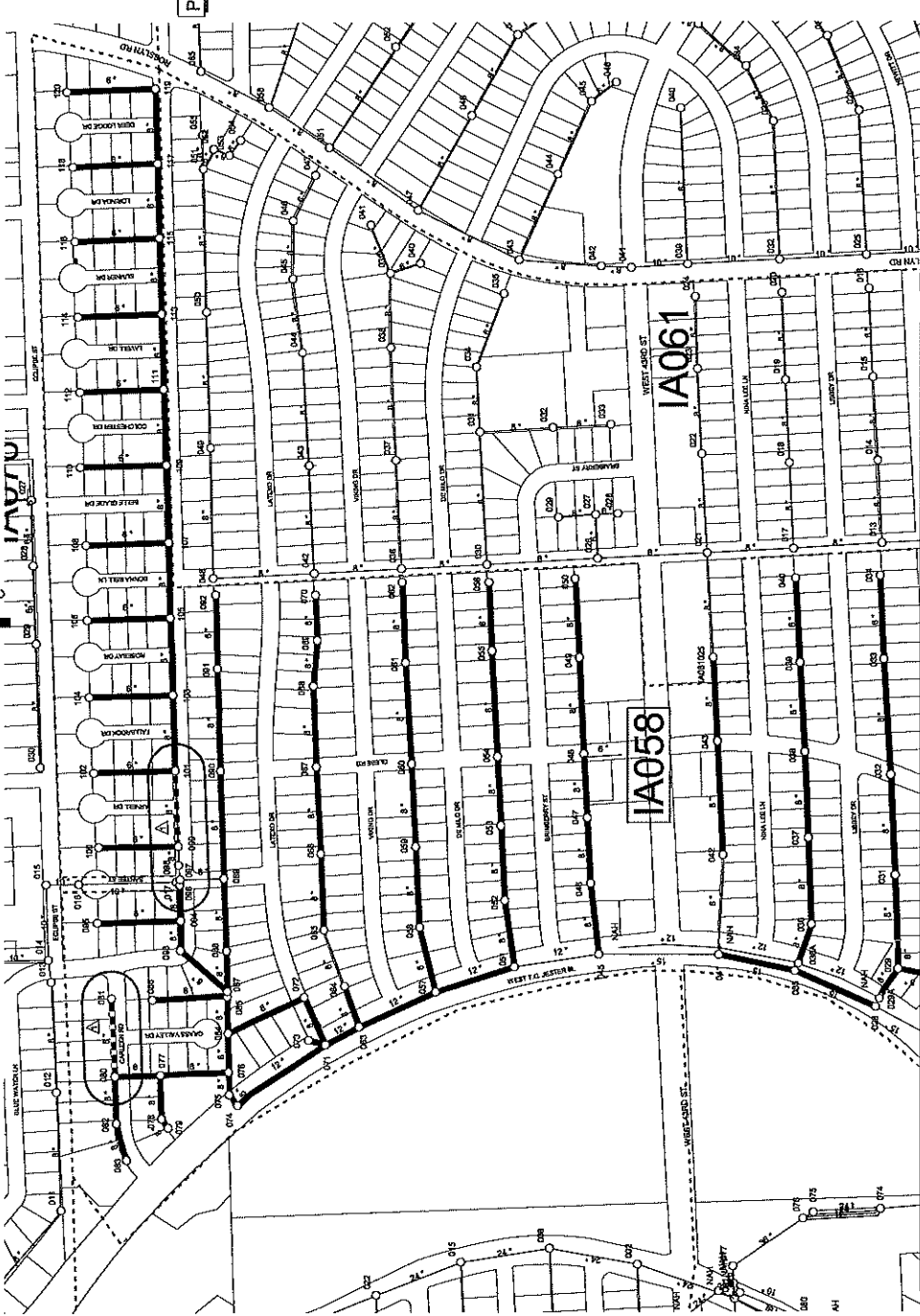


NO.	REVISION DESCRIPTION	DATE

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods

OAK FOREST
 COUNCIL DISTRICT: C



NO.	REVISION	DATE
1	ISSUED FOR PERMITS	9/14/10
2	ISSUED FOR PERMITS	9/14/10
3	ISSUED FOR PERMITS	9/14/10
4	ISSUED FOR PERMITS	9/14/10
5	ISSUED FOR PERMITS	9/14/10
6	ISSUED FOR PERMITS	9/14/10
7	ISSUED FOR PERMITS	9/14/10
8	ISSUED FOR PERMITS	9/14/10
9	ISSUED FOR PERMITS	9/14/10
10	ISSUED FOR PERMITS	9/14/10
11	ISSUED FOR PERMITS	9/14/10
12	ISSUED FOR PERMITS	9/14/10
13	ISSUED FOR PERMITS	9/14/10
14	ISSUED FOR PERMITS	9/14/10
15	ISSUED FOR PERMITS	9/14/10
16	ISSUED FOR PERMITS	9/14/10
17	ISSUED FOR PERMITS	9/14/10
18	ISSUED FOR PERMITS	9/14/10
19	ISSUED FOR PERMITS	9/14/10
20	ISSUED FOR PERMITS	9/14/10
21	ISSUED FOR PERMITS	9/14/10
22	ISSUED FOR PERMITS	9/14/10
23	ISSUED FOR PERMITS	9/14/10
24	ISSUED FOR PERMITS	9/14/10
25	ISSUED FOR PERMITS	9/14/10
26	ISSUED FOR PERMITS	9/14/10
27	ISSUED FOR PERMITS	9/14/10
28	ISSUED FOR PERMITS	9/14/10
29	ISSUED FOR PERMITS	9/14/10
30	ISSUED FOR PERMITS	9/14/10
31	ISSUED FOR PERMITS	9/14/10
32	ISSUED FOR PERMITS	9/14/10
33	ISSUED FOR PERMITS	9/14/10
34	ISSUED FOR PERMITS	9/14/10
35	ISSUED FOR PERMITS	9/14/10
36	ISSUED FOR PERMITS	9/14/10
37	ISSUED FOR PERMITS	9/14/10
38	ISSUED FOR PERMITS	9/14/10
39	ISSUED FOR PERMITS	9/14/10
40	ISSUED FOR PERMITS	9/14/10
41	ISSUED FOR PERMITS	9/14/10
42	ISSUED FOR PERMITS	9/14/10
43	ISSUED FOR PERMITS	9/14/10
44	ISSUED FOR PERMITS	9/14/10
45	ISSUED FOR PERMITS	9/14/10
46	ISSUED FOR PERMITS	9/14/10
47	ISSUED FOR PERMITS	9/14/10
48	ISSUED FOR PERMITS	9/14/10
49	ISSUED FOR PERMITS	9/14/10
50	ISSUED FOR PERMITS	9/14/10
51	ISSUED FOR PERMITS	9/14/10
52	ISSUED FOR PERMITS	9/14/10
53	ISSUED FOR PERMITS	9/14/10
54	ISSUED FOR PERMITS	9/14/10
55	ISSUED FOR PERMITS	9/14/10
56	ISSUED FOR PERMITS	9/14/10
57	ISSUED FOR PERMITS	9/14/10
58	ISSUED FOR PERMITS	9/14/10
59	ISSUED FOR PERMITS	9/14/10
60	ISSUED FOR PERMITS	9/14/10
61	ISSUED FOR PERMITS	9/14/10
62	ISSUED FOR PERMITS	9/14/10
63	ISSUED FOR PERMITS	9/14/10
64	ISSUED FOR PERMITS	9/14/10
65	ISSUED FOR PERMITS	9/14/10
66	ISSUED FOR PERMITS	9/14/10
67	ISSUED FOR PERMITS	9/14/10
68	ISSUED FOR PERMITS	9/14/10
69	ISSUED FOR PERMITS	9/14/10
70	ISSUED FOR PERMITS	9/14/10
71	ISSUED FOR PERMITS	9/14/10
72	ISSUED FOR PERMITS	9/14/10
73	ISSUED FOR PERMITS	9/14/10
74	ISSUED FOR PERMITS	9/14/10
75	ISSUED FOR PERMITS	9/14/10
76	ISSUED FOR PERMITS	9/14/10
77	ISSUED FOR PERMITS	9/14/10
78	ISSUED FOR PERMITS	9/14/10
79	ISSUED FOR PERMITS	9/14/10
80	ISSUED FOR PERMITS	9/14/10
81	ISSUED FOR PERMITS	9/14/10
82	ISSUED FOR PERMITS	9/14/10
83	ISSUED FOR PERMITS	9/14/10
84	ISSUED FOR PERMITS	9/14/10
85	ISSUED FOR PERMITS	9/14/10
86	ISSUED FOR PERMITS	9/14/10
87	ISSUED FOR PERMITS	9/14/10
88	ISSUED FOR PERMITS	9/14/10
89	ISSUED FOR PERMITS	9/14/10
90	ISSUED FOR PERMITS	9/14/10
91	ISSUED FOR PERMITS	9/14/10
92	ISSUED FOR PERMITS	9/14/10
93	ISSUED FOR PERMITS	9/14/10
94	ISSUED FOR PERMITS	9/14/10
95	ISSUED FOR PERMITS	9/14/10
96	ISSUED FOR PERMITS	9/14/10
97	ISSUED FOR PERMITS	9/14/10
98	ISSUED FOR PERMITS	9/14/10
99	ISSUED FOR PERMITS	9/14/10
100	ISSUED FOR PERMITS	9/14/10

NO.	REVISION	DATE
1	ISSUED FOR PERMITS	9/14/10
2	ISSUED FOR PERMITS	9/14/10
3	ISSUED FOR PERMITS	9/14/10
4	ISSUED FOR PERMITS	9/14/10
5	ISSUED FOR PERMITS	9/14/10
6	ISSUED FOR PERMITS	9/14/10
7	ISSUED FOR PERMITS	9/14/10
8	ISSUED FOR PERMITS	9/14/10
9	ISSUED FOR PERMITS	9/14/10
10	ISSUED FOR PERMITS	9/14/10
11	ISSUED FOR PERMITS	9/14/10
12	ISSUED FOR PERMITS	9/14/10
13	ISSUED FOR PERMITS	9/14/10
14	ISSUED FOR PERMITS	9/14/10
15	ISSUED FOR PERMITS	9/14/10
16	ISSUED FOR PERMITS	9/14/10
17	ISSUED FOR PERMITS	9/14/10
18	ISSUED FOR PERMITS	9/14/10
19	ISSUED FOR PERMITS	9/14/10
20	ISSUED FOR PERMITS	9/14/10
21	ISSUED FOR PERMITS	9/14/10
22	ISSUED FOR PERMITS	9/14/10
23	ISSUED FOR PERMITS	9/14/10
24	ISSUED FOR PERMITS	9/14/10
25	ISSUED FOR PERMITS	9/14/10
26	ISSUED FOR PERMITS	9/14/10
27	ISSUED FOR PERMITS	9/14/10
28	ISSUED FOR PERMITS	9/14/10
29	ISSUED FOR PERMITS	9/14/10
30	ISSUED FOR PERMITS	9/14/10
31	ISSUED FOR PERMITS	9/14/10
32	ISSUED FOR PERMITS	9/14/10
33	ISSUED FOR PERMITS	9/14/10
34	ISSUED FOR PERMITS	9/14/10
35	ISSUED FOR PERMITS	9/14/10
36	ISSUED FOR PERMITS	9/14/10
37	ISSUED FOR PERMITS	9/14/10
38	ISSUED FOR PERMITS	9/14/10
39	ISSUED FOR PERMITS	9/14/10
40	ISSUED FOR PERMITS	9/14/10
41	ISSUED FOR PERMITS	9/14/10
42	ISSUED FOR PERMITS	9/14/10
43	ISSUED FOR PERMITS	9/14/10
44	ISSUED FOR PERMITS	9/14/10
45	ISSUED FOR PERMITS	9/14/10
46	ISSUED FOR PERMITS	9/14/10
47	ISSUED FOR PERMITS	9/14/10
48	ISSUED FOR PERMITS	9/14/10
49	ISSUED FOR PERMITS	9/14/10
50	ISSUED FOR PERMITS	9/14/10
51	ISSUED FOR PERMITS	9/14/10
52	ISSUED FOR PERMITS	9/14/10
53	ISSUED FOR PERMITS	9/14/10
54	ISSUED FOR PERMITS	9/14/10
55	ISSUED FOR PERMITS	9/14/10
56	ISSUED FOR PERMITS	9/14/10
57	ISSUED FOR PERMITS	9/14/10
58	ISSUED FOR PERMITS	9/14/10
59	ISSUED FOR PERMITS	9/14/10
60	ISSUED FOR PERMITS	9/14/10
61	ISSUED FOR PERMITS	9/14/10
62	ISSUED FOR PERMITS	9/14/10
63	ISSUED FOR PERMITS	9/14/10
64	ISSUED FOR PERMITS	9/14/10
65	ISSUED FOR PERMITS	9/14/10
66	ISSUED FOR PERMITS	9/14/10
67	ISSUED FOR PERMITS	9/14/10
68	ISSUED FOR PERMITS	9/14/10
69	ISSUED FOR PERMITS	9/14/10
70	ISSUED FOR PERMITS	9/14/10
71	ISSUED FOR PERMITS	9/14/10
72	ISSUED FOR PERMITS	9/14/10
73	ISSUED FOR PERMITS	9/14/10
74	ISSUED FOR PERMITS	9/14/10
75	ISSUED FOR PERMITS	9/14/10
76	ISSUED FOR PERMITS	9/14/10
77	ISSUED FOR PERMITS	9/14/10
78	ISSUED FOR PERMITS	9/14/10
79	ISSUED FOR PERMITS	9/14/10
80	ISSUED FOR PERMITS	9/14/10
81	ISSUED FOR PERMITS	9/14/10
82	ISSUED FOR PERMITS	9/14/10
83	ISSUED FOR PERMITS	9/14/10
84	ISSUED FOR PERMITS	9/14/10
85	ISSUED FOR PERMITS	9/14/10
86	ISSUED FOR PERMITS	9/14/10
87	ISSUED FOR PERMITS	9/14/10
88	ISSUED FOR PERMITS	9/14/10
89	ISSUED FOR PERMITS	9/14/10
90	ISSUED FOR PERMITS	9/14/10
91	ISSUED FOR PERMITS	9/14/10
92	ISSUED FOR PERMITS	9/14/10
93	ISSUED FOR PERMITS	9/14/10
94	ISSUED FOR PERMITS	9/14/10
95	ISSUED FOR PERMITS	9/14/10
96	ISSUED FOR PERMITS	9/14/10
97	ISSUED FOR PERMITS	9/14/10
98	ISSUED FOR PERMITS	9/14/10
99	ISSUED FOR PERMITS	9/14/10
100	ISSUED FOR PERMITS	9/14/10

GENERAL NOTES:
 1. EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEW. LINES, AND/OR MANHOLES SHALL BE AS PER FIELD TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
 2. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK AREA LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.

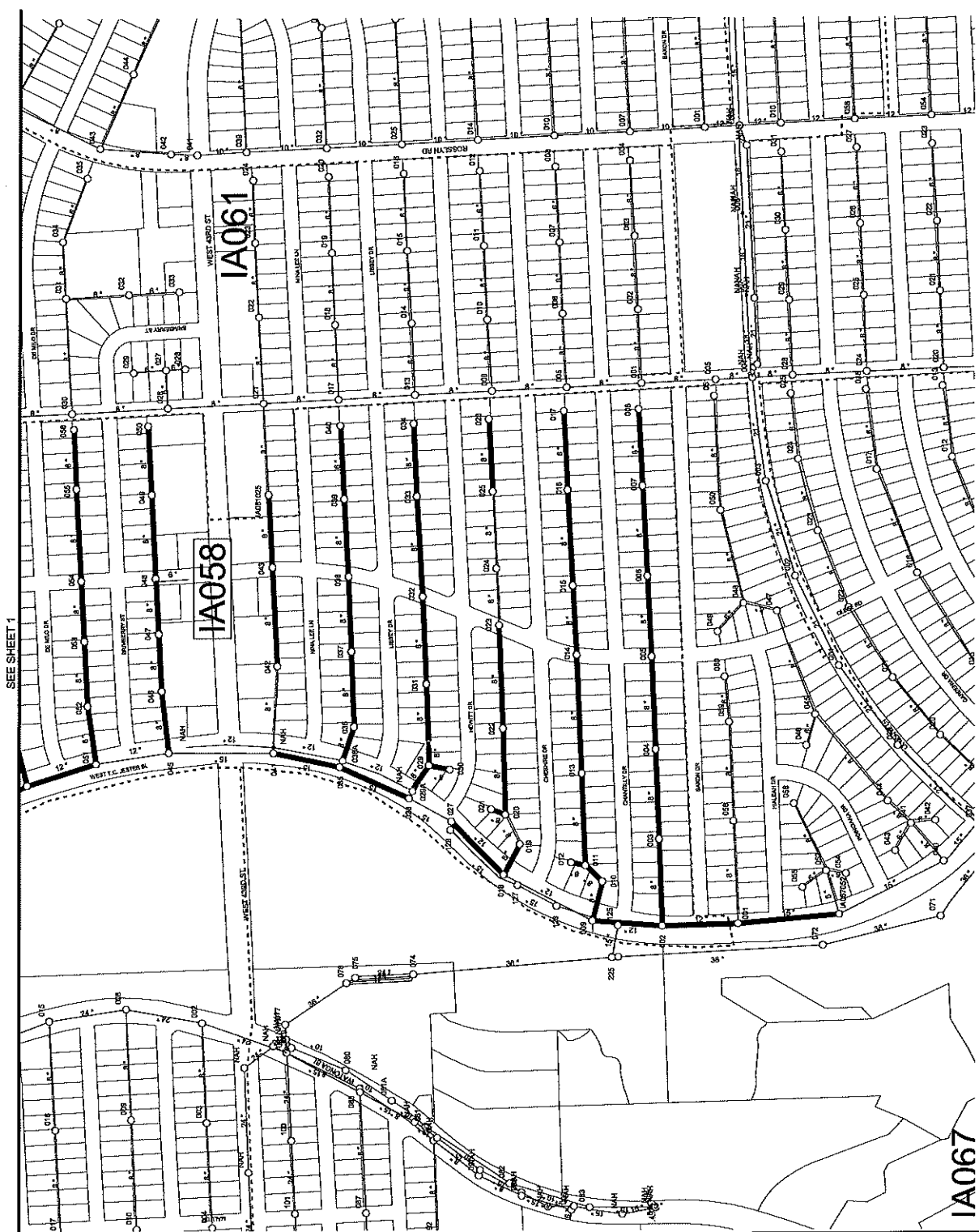


QUALITY CONTROL LAB:
 5700 Wilshire Houston, Texas 77051
 PHONE NO. (713) 857-7645
 FAX NO. (713) 857-7943

CONTRACTOR:
 18410 Henry Rd. Houston, Texas 77058
 PHONE NO. (832) 448-9892
 FAX NO. (832) 448-9188

QUADRANT: NW
KEY MAP: 451H
SEWER MAP: L5160 & L5280
T. MAP: T0943 (FY 2010)

WORK ORDER NO. 4 ADDENDUM #1	WV FILE NO. 4257-104
WBS NO. R-000266-0133-4	CITY CONTRACT NO. C-460009887
WASTEWATER OPERATIONS BRANCH 4044 GROVEWAY DR. HOUSTON TEXAS	APPROVALS
WATER DESIGNER	WATER QUALITY
CONSTRUCTION	PERFORMANCE INSPECTION
DESIGN ENGINEER COLLECTION SYSTEMS	DATE: 04/20/07
WASTEWATER OPERATIONS BRANCH	DESIGNED BY: JERRY A. HEN
DATE: 04/20/07	WV OVER # 4 ADDENDUM #1
DATE: 04/20/07	SHEET NO. 1 OF 2 SHEETS
DATE: 04/20/07	GIS NO.



SEE SHEET 1

WORK ORDER NO. 4 ADDENDUM #1
 WW FILE NO. 4257-104
 WBS NO. R-000266-0132-4
 CITY CONTRACT NO. C-460008867
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 4502 GARDENWAY ST., HOUSTON 77057

APPROVALS
 WATER DESIGN: PAUL D. GIBSON
 WATER QUALITY: [Signature]
 CONSTRUCTION: [Signature]
 TRAFFIC AND TRANSPORTATION: [Signature]
 COLLECTION SYSTEM OPERATIONS SECTION: [Signature]

DESIGNED BY: JAMES A. BARN
 DRAWN BY: R. HERRERA
 DATE: 06/08/10
 SHEET NO. 2 OF 2 SHEETS
 GIS NO. [Blank]

Sanitary Sewer Rehabilitation by Sliplining & Pipebursting Methods

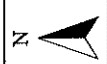
QUADRANT: NW
 KEY MAP: 451H
 SEWER MAP: L1153 & L1290
 SUBDIVISION: OAK FOREST
 COUNCIL DISTRICT: 1
 T. MAP: T0843 (FY 1020)

CONTRACTOR:
 [Blank]
 15400 Highway 281, Houston, Texas 77060
 PHONE NO. (832) 448-5382
 FAX NO. (832) 448-9384

QUALITY CONTROL LAB:
 [Blank]
 5705 Washington Road, Houston, Texas 77041
 PHONE NO. (713) 985-7845
 FAX NO. (713) 985-7843



GENERAL NOTES:
 1. EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEW. LINES, AND/OR MANHOLES SHALL BE AS PER FIELD.
 2. AFTER REVIEW OF TAPERS, CONTRACTOR SHALL BE NOTIFIED TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
 3. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORKS AREA AND SUBMITTED TO WWS OPERATIONS AND MATERIAL.



NO.	REVISION	DATE
1	DESCRIPTION	9/14/10
	ADDENDUM #1	

LEGEND

PROG. WORKS SHALL BE PERFORMED ON EXIST. SAN. SEW. AS SHOWN IN WORK ORDER.

PROG. WORKS SHALL BE PERFORMED ON EXIST. SAN. SEW. AS SHOWN IN WORK ORDER.

EXIST. 8" SAN. SEW. (Diameter) MB

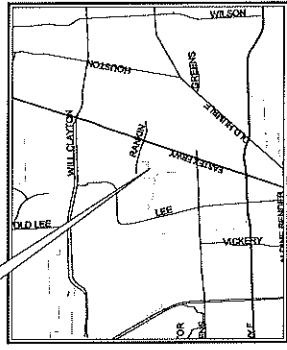
PROG. MANHOLE REPAIR BY OTHERS

PROG. 18" REPAIR ON EXISTING SANITARY SEWER

NE011 - SUPPLY AREA

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods
 HEATHER RIDGE VILLAGE
 COUNCIL DISTRICT: B



LEGEND

- REMOVABLE REMEDIATION WHEEL CHAIN PUMP
- PROPOSED WORK SHALL BE PERFORMED ON EXISTING SANITARY SEWER LINES AND MANHOLES IN THIS ORDER
- PROPOSED WORK SHALL BE PERFORMED ON EXISTING SANITARY SEWER LINES AND MANHOLES IN THIS ORDER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER BY OTHERS
- PROPOSED REMEDIATION ON EXISTING SANITARY SEWER

NE011 - AUGUST 2004

WORK ORDER NO. 5
 HWY FILE NO. 4257-104
 WBS NO. R-000286-0133-4
 CITY CONTRACT NO. C-460009867
 WASTEWATER OPERATIONS BRANCH
 4505 BROWNEAUX DR., HOUSTON 77057
 APPROVALS

WATER DESIGN: []
 WATER QUALITY: []
 DESIGN REVIEW: []
 SUPERVISOR: []
 PROJECT ENGINEER: []
 DESIGNER: []
 CHECKER: []
 DATE: []

QUADRANT: NE
 KEY MAP: 37.5J
 SEWER MAP: L5566
 T MAP: T0978 (FY 2007)

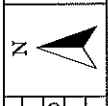
CONTRACTOR:
 North Houston Pipe Line
 15419 Henry Rd., Houston, Texas 77060
 PHONE NO. (281) 448-8002
 FAX NO. (281) 448-7804

QUALITY CONTROL I.P.E.:
 Adam Engineering Corporation
 5700 Westfield Houston, Texas 77061
 PHONE NO. (713) 862-7844
 FAX NO. (713) 862-7844



GENERAL NOTES:

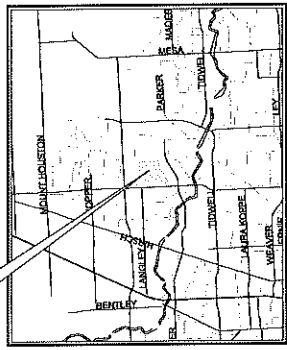
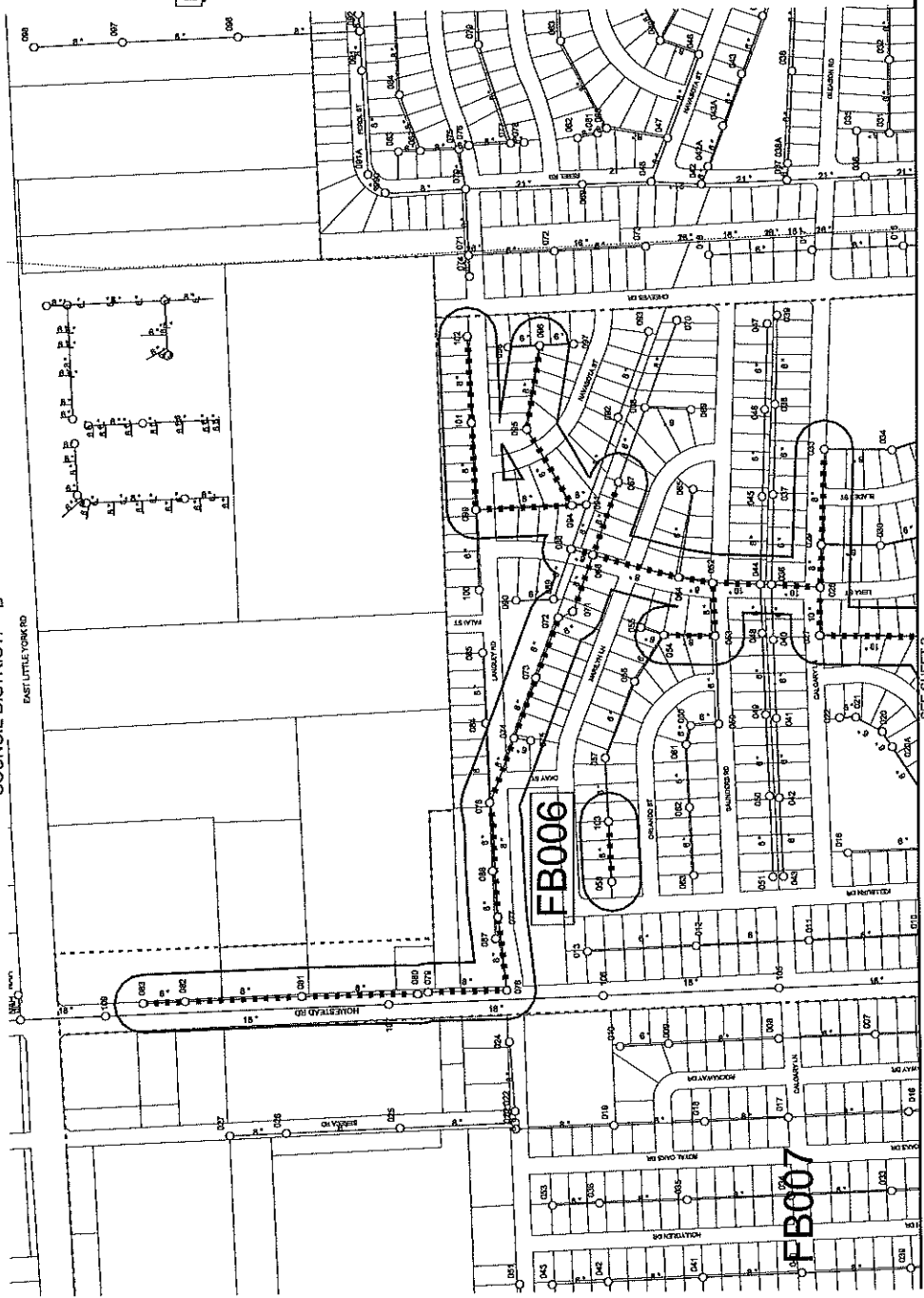
- EXACT LOCATION, ALIGNMENT, ELEVATION, SIZE AND/OR DEPTH OF EXISTING SANITARY SEWER LINES AND MANHOLES SHALL BE AS SHOWN ON THE PHOTOGRAPHS TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
- COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK ORDER LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.



NO.	REVISION	DESCRIPTION	DATE
A	ADDENDUM #1		9/14/10

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Slipping and Pipe Bursting Methods
 SCENIC WOODS
 COUNCIL DISTRICT: B



WORK ORDER NO. 6
 WWP FILE NO. 4257-104
 WBS NO. R-000266-0133-4
 CITY CONTRACT NO. C-460009867
 WASTEWATER OPERATIONS BRANCH
 4505 UNIVERSITY BLVD. HOUSTON TX 77007
 APPROVALS
 WATER DESIGNER: [Signature] PROJECT MANAGER
 WATER QUALITY: [Signature] REGIONAL MANAGER
 CONSTRUCTION: [Signature] SANITARY ENGINEER
 TRAFFIC AND TRANSPORTATION: [Signature] "CONDUCTOR" DIRECTOR/DPST
 DESIGN ENGINEER COLLECTION SYSTEMS: [Signature] CHIEF OF DPST

QUADRANT: NE
 KEY MAP: 415W
 SEWER MAP: L5661 & L5662
 T MAP: T0986 (FY 2011)

CONTRACTOR:
 North Houston Pipe Line
 15419 Heavy Rd. Houston, Texas 77060
 PHONE NO. (832) 444-8002
 FAX NO. (832) 447-6504

QUALITY CONTROL:
 5798 W. Main St. Houston, Texas 77041
 PHONE NO. (713) 862-7644
 FAX NO. (713) 865-1963



GENERAL NOTES:
 1. EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEW. LINES, AND/OR MANHOLES SHALL BE AS PER FIELD SURVEY.
 2. AFTER REVIEW OF EXISTING RECORDS, THE DESIGNER SHALL BE ADVISED OF ANY DISCREPANCIES.
 3. COLOR LINES OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK ORDER LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.



NO.	REVISION	DESCRIPTION	DATE

NO.	REVISION	DESCRIPTION	DATE

NE011 - 1/14/11



WORK ORDER NO. 6
 WW FILE NO. 4257-104
 WBS NO. R-000286-0133-4
 CITY CONTRACT NO. C-460009867
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 4242 WESTWAY ST., HOUSTON, TX 77057

APPROVALS
 WATER DESIGN _____ PAUL S. ZEPH
 WATER QUALITY _____ SANITARY ENGINEER
 CONSTRUCTION _____ STONER ENGINEERS
 TRAFFIC AND TRANSPORTATION _____ PLANNING & DESIGN, L.P.
 COLLECTION SYSTEMS OPERATIONS SECTION _____ DECIDED BY _____

DESIGNED BY: James A. Han
 CHECKED BY: S. Neppa
 DATE: 11/07/10
 SHEET NO. 2 OF 2 SHEETS
 P.A. NO. GIS NO.

Sanitary Sewer Rehabilitation by Sliplining & Pipebursting Methods

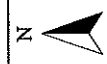
QUADRANT: _____ NE
 KEY MAP: 415W
 SEWER MAP: _____
 SUBDIVISION: SEASIDE WOODS
 COUNCIL DISTRICT: B
 T. MAP: TORRES (FY 2011)

CONTRACTOR:
 S&S Engineering, Inc.
 15411 N. Loop West, Suite 7700
 Houston, TX 77040
 PHONE NO. (832) 448-9382
 FAX NO. (832) 448-9384

QUALITY CONTROL LAB:
 S&S Engineering Corporation
 2700 West Loop West, Suite 77041
 Houston, TX 77041
 PHONE NO. (713) 885-7845
 FAX NO. (713) 885-7843



- GENERAL NOTES:**
- EXISTING SANITARY SEWER, STORM SEWER, AND GAS LINES SHALL BE AS SHOWN ON THIS PLAN. ALL MANHOLES SHALL BE AS PER FIELD.
 - AFTER REVIEW OF TRENCH LOGS, CONTRACTOR SHALL BE NOTIFIED TO WHICH MANHOLE SECTIONS(S) TO BE REHABILITATED.
 - COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK AREA LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.



LEGEND

MANHOLES TO BE REPLACED OR REPAIRED
 MANHOLES TO BE REHABILITATED

CONTRACTOR'S WORK
 EXISTING SANITARY SEWER
 EXISTING STORM SEWER
 EXISTING GAS LINES

PROPOSED SANITARY SEWER
 PROPOSED STORM SEWER
 PROPOSED GAS LINES

MANHOLE TO BE REPLACED OR REPAIRED
 MANHOLE TO BE REHABILITATED

NE011 - 03/04/10

NO.	REVISION	DESCRIPTION	DATE

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Slipping and Pipe Bursting Methods

KASHMERE GARDENS
 COUNCIL DISTRICT: B



LEGEND

PROPOSED TO BE REHABILITATED IN ORDER TO BE REHABILITATED IN WORK ORDER

EXIST. 12" SAN. SEW. 12" DIAMETER

PROPOSED MANHOLE REPAIR BY OTHERS

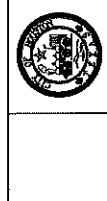
PROPOSED MANHOLE REPAIR BY CONTRACTOR

NEW 11" MANHOLE

NO.	REVISION	DESCRIPTION	DATE

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
2. AFTER REVIEW OF TAPERS, CONTRACTORS SHALL BE NOTIFIED TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
3. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK AREA PRIOR TO MOVING EQUIPMENT AND MATERIAL.



QUALITY CONTROL LAB:
 Active Engineering Corporation
 5700 Westchase Road, Suite 7704
 Houston, Texas 77056
 P.O. Box 1000
 Houston, Texas 77033
 TEL: (713) 862-7943
 FAX: (713) 862-7943

CONTRACTOR:
 North-Houston Pole Line
 15400 Highway 281, Houston, Texas 77060
 P.O. Box 1000
 Houston, Texas 77033
 TEL: (281) 446-8006
 FAX: (281) 446-8006

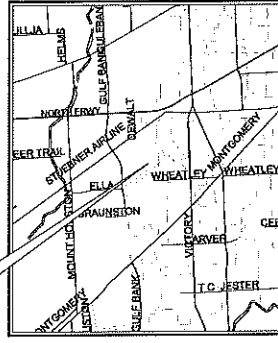
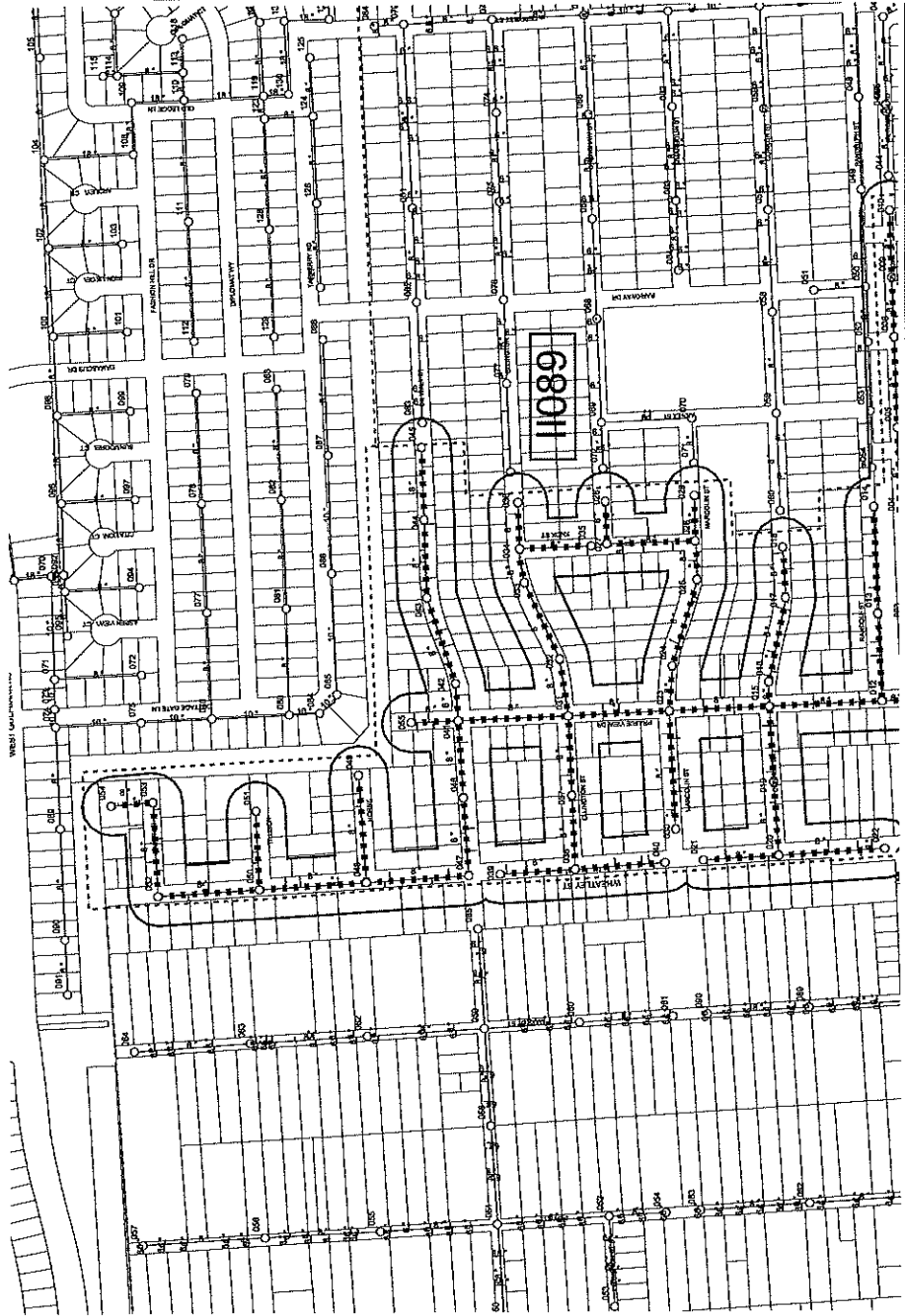
QUADRANT: NE
KEY MAP: 494R
SEWER MAP: L5558 & L5559
T MAP: T0993 (FY 2011)

WORK ORDER NO. 7
 WWP FILE NO. 4357-104
 WBS NO. R-000266-0133-4
 CITY CONTRACT NO. C-460009867
 WASTEWATER OPERATIONS BRANCH
 SANITARY SEWER REHABILITATION
 APPROVALS
 WATER DESIGN: _____ PLANNING DESIGNER: _____
 WATER QUALITY: _____ UTILITY REVIEWER: _____
 ENGINEER: _____ PROJECT SUPERVISOR: _____
 PROJECT ENGINEER: _____ PROJECT SUPERVISOR: _____
 PROJECT ENGINEER: _____ PROJECT SUPERVISOR: _____

<p>DESIGNED BY: Jack A. Biss DATE: 11/20/09 SCALE: 1" = 200' SHEET: 11418 DATE: 11/18/09 DRAWN BY: [Signature] CHECKED BY: [Signature]</p>	<p>PROJECT NO.: C-460009867 PROJECT NAME: WASTEWATER OPERATIONS BRANCH PROJECT LOCATION: KASHMERE GARDENS PROJECT DATE: 11/20/09</p>
--	---

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods
 LINCOLN CITY SEC 3
 HIGHLAND HEIGHTS SEC 9
 COUNCIL DISTRICT: B



VICINITY MAP

WORK ORDER NO.	09
WW FILE NO.	4257-104
WBS NO.	R-000266-0133-4
CITY CONTRACT NO.	C-460006867
WASTEWATER OPERATIONS BRANCH 4545 GROVENWAY DR. HOUSTON 77037	
APPROVALS	
DESIGNED BY	PLANNING ENGINEER
CHECKED BY	PLANNING ENGINEER
DRAWN BY	PLANNING ENGINEER
DATE	11/27/11
SCALE	AS SHOWN
SHEET NO.	1 OF 2 SHEETS

CONTRACTOR:	Line
15418 Harry Rd., Houston, Texas 77060	
PHONE NO. (832) 448-8822	
FAX NO. (832) 448-8804	
QUALITY CONTROL LAB:	Line
5300 Westwood Houston, Texas 77041	
PHONE NO. (713) 865-7945	
FAX NO. (713) 865-7945	

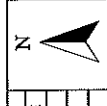
QUADRANT:	NW
KEY MAP:	412P
SEWER MAP:	L5262
P MAP:	P2728

CONTRACTOR:	Line
15418 Harry Rd., Houston, Texas 77060	
PHONE NO. (832) 448-8822	
FAX NO. (832) 448-8804	

QUALITY CONTROL LAB:	Line
5300 Westwood Houston, Texas 77041	
PHONE NO. (713) 865-7945	
FAX NO. (713) 865-7945	



GENERAL NOTES:
 1. EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEW. LINE, AND/OR MARKERS SHALL BE AS PER FIELD TO THE DEGREE OF ACCURACY TO BE OBTAINED.
 2. ALL OR USE OF PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK ORDER LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.



NO.	REVISION	DESCRIPTION	DATE

LEGEND	<ul style="list-style-type: none"> PROPOSED TO BE PROTECTED OR NOT EXIST. SAN. SEW. LINE PROPOSED SAN. SEW. LINE PROPOSED MANHOLE PROPOSED MANHOLE BY OTHERS PROPOSED MANHOLE OR STRUCTURE
--------	--

SEE SHEET 1



LEGEND

PROPOSED TO BE REPAIRED OR EXIST. SANITARY SEWER IN UNDER GROUND

EXIST. SANITARY SEWER

PROPOSED TO BE REPAIRED BY OTHERS

PROPOSED TO BE REPAIRED ON EXISTING SANITARY SEWER

NE011 - 04/01/2024

WORK ORDER NO.	09
WW FILE NO.	4257-104
WBS NO.	R-000266-0133-4
CITY CONTRACT NO.	C-1600009867
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS WATER UTILITIES OPERATIONS BRANCH 4402 GERRARD ST. HOUSTON, TEXAS 77030	
APPROVALS	
WATER DESIGN	PYPAD SCREEN
WATER QUALITY	SANITARY SEWER
CONSTRUCTION	STORM SEWERS
TRAFFIC AND TRANSPORTATION	PLANETS L&C/CLAYTON DEPT
COLLECTION SYSTEMS OPERATIONS SECTION	CHUCKED P
MANAGED DRAINAGE WW OPERATIONS BRANCH	
DESIGNED BY	BOB A. VAN
CAD BY	T. NGUYEN
DATE	10/27/11
SERV. BY	WORK ORDER # 9
FILE NO.	SHEET NO. 2 OF 1 SHEETS
	GIS NO.

QUADRANT:

NET MAP: NW

GRID: 2222

SECTION: 10000

REVISION: 10000

COUNCIL DISTRICT: B

P MAP: 2222

Sanitary Sewer Rehabilitation by Sliplining & Pipebursting Methods

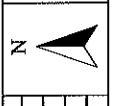
CONTRACTOR:
North Houston Pole Line
15410 Inverly Rd., Houston, Texas 77060
P.O. Box 1000, Houston, Texas 77060
TEL. NO. (281) 444-6264
FAX NO. (281) 444-6264

QUALITY CONTROL LAB:
Avis Engineering Corporation
5785 W. Loop West, Houston, Texas 77041
TEL. NO. (713) 885-7943
FAX NO. (713) 885-7943



GENERAL NOTES:

1. EXIST. LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEW. LINES AND/OR MANHOLES SHALL BE AS SHOWN ON THIS PLAN AND FIELD SURVEY. ALL DIMENSIONS SHALL BE SHOWN TO WHICH MANHOLE SECTIONS TO BE REHABILITATED.
2. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK ORDER LOCATION PRIOR TO MOVING EQUIPMENT AND MATERIAL.

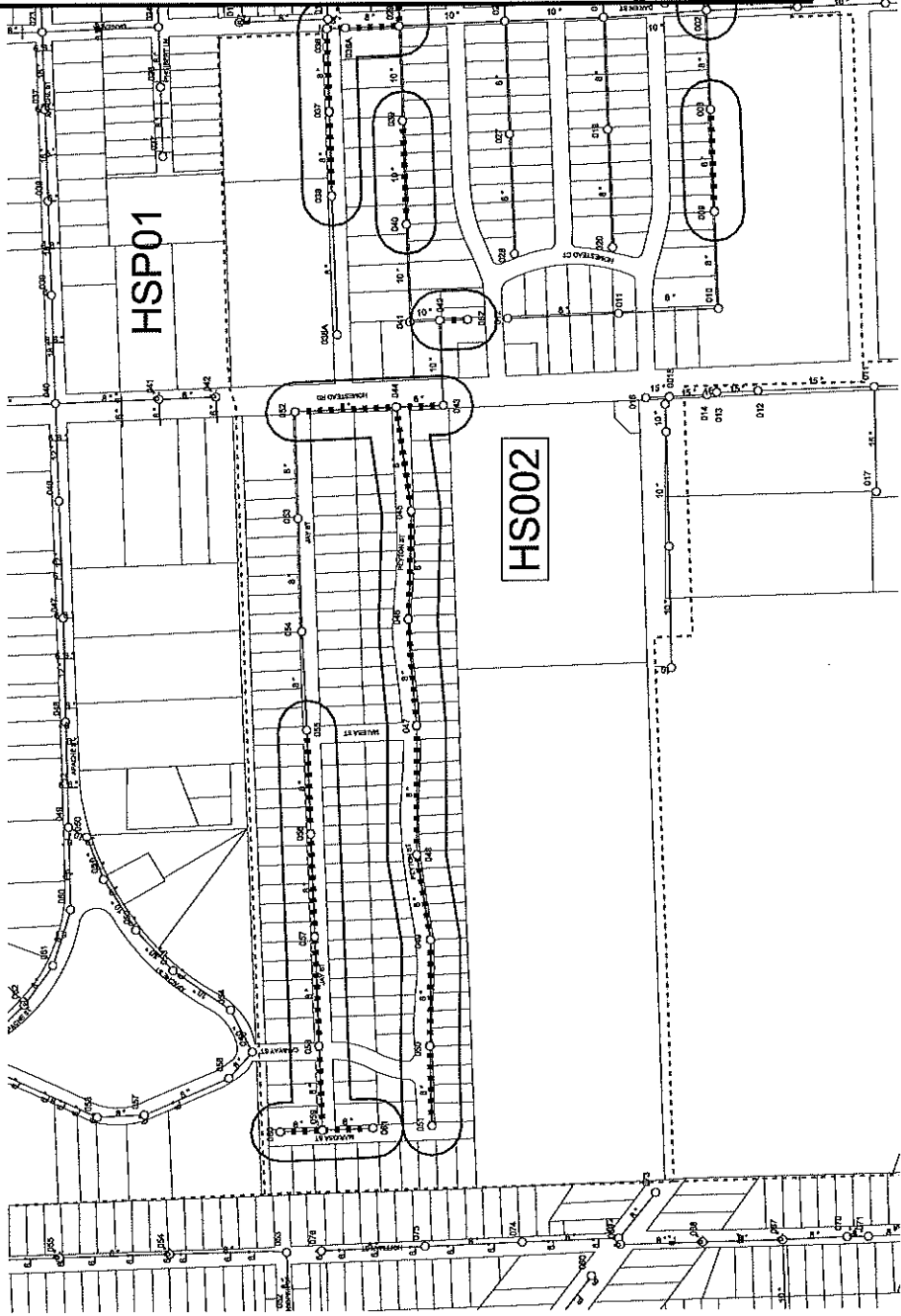


NO.	REVISION	DESCRIPTION	DATE

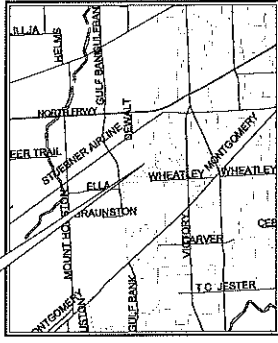
CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods

HOMESTEAD
 COUNCIL DISTRICT: B



Project Site



VICINITY MAP

REVISION	
NO.	DESCRIPTION

WORK ORDER NO.	10
HWY FILE NO.	4257-104
WBS NO.	R-000265-0133-4
CITY CONTRACT NO.	C-480009867
WASTEWATER OPERATIONS BRANCH 4042 WESTHOPE AVENUE HOUSTON, TEXAS 77056	APPROVALS
WATER REUSE	WATER TREATMENT
WATER QUALITY	STORM DRAINAGE
CONSTRUCTION	SANITARY SEWER
INDUSTRIAL WASTEWATER	"PERMITS/STREETS/UTILITY"
USE OF UNDERGROUND UTILITIES	CHECKS BY

GENERAL NOTES:
 1. EXACT LOCATION, ALTIMETER ELEVATION, SIZE AND/or DEPTH OF EXISTING SANITARY LINES AND/OR MANHOLES SHALL BE AS PER FIELD TO WHICH MANHOLE SECTIONS(S) TO BE REHABILITATED.
 2. AFTER REVIEW OF TAPERS, CONTRACTOR SHALL BE NOTIFIED.
 3. COLOR VIDEO OR PHOTOGRAPHS SHALL BE TAKEN OF THE ENTIRE WORK AREA, LOCATOR, PRIOR TO MOVED EQUIPMENT AND MATERIAL.

QUALITY CONTROL LAB:
 Almas Engineering Corporation
 11111 North Loop West, Suite 704
 Houston, TX 77041
 PHONE NO. (713) 845-7945
 FAX NO. (713) 845-7943

CONTRACTOR:
 North Houston Pipe Line
 14001 North Loop West, Suite 7706
 Houston, TX 77040
 PHONE NO. (832) 448-3032
 FAX NO. (832) 448-8084

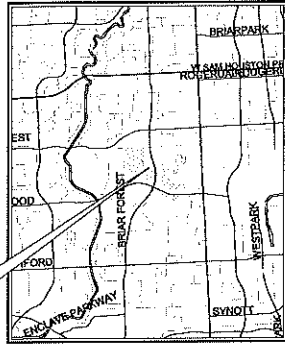
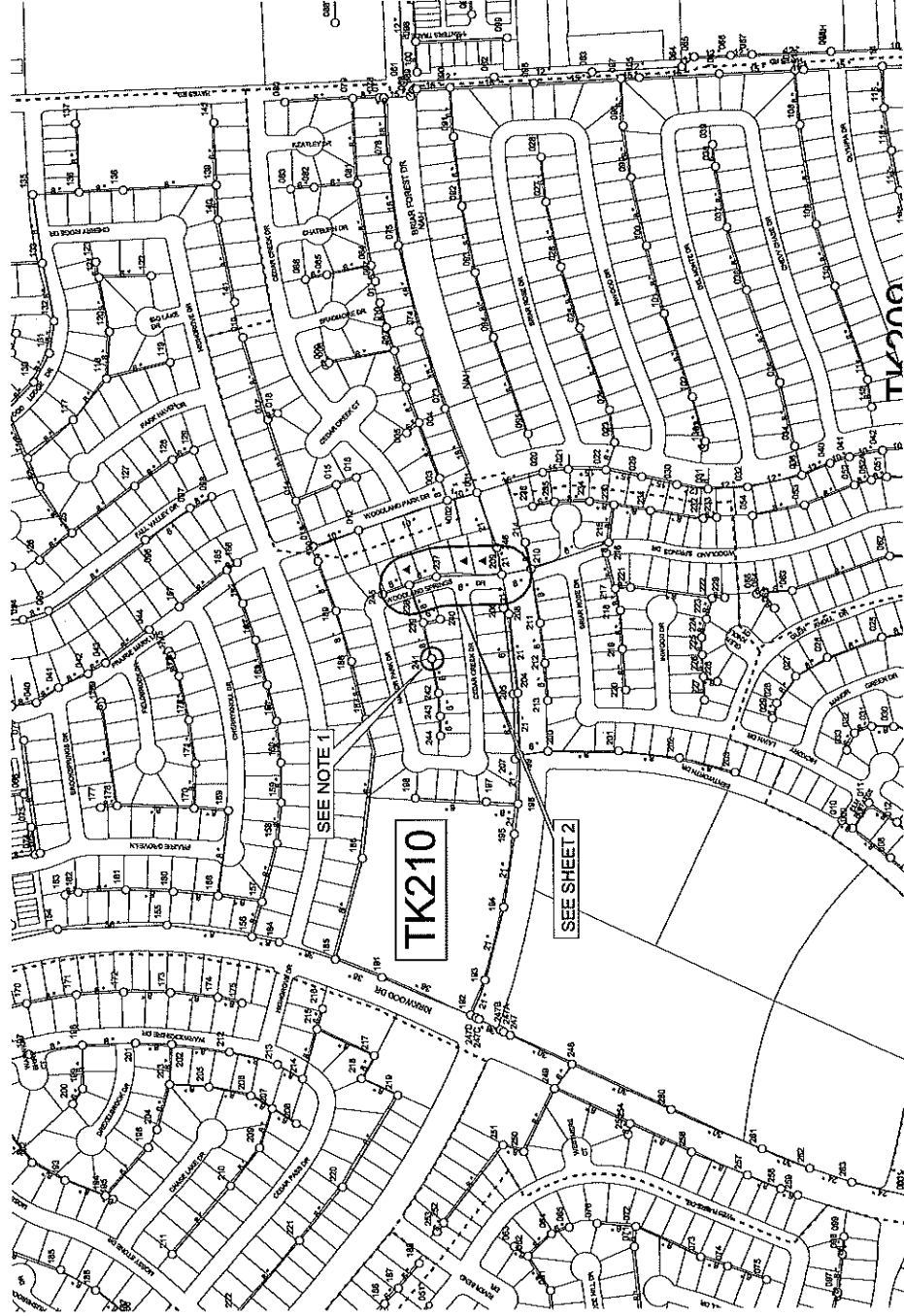
QUADRANT: NE
 KEY MAP: 454R
 SEWER MAP: L6560
 T MAP: T1018 (FY 2011)

ISSUED FOR REVIEW BY: OPERATIONS BRANCH
 DESIGNED BY: JAMES A. LAM
 SCALE: 1"=200'
 DATE: 08/07/11
 SHEET NO. OF 2 SHEETS
 P.A. NO.:
 GIS NO.:

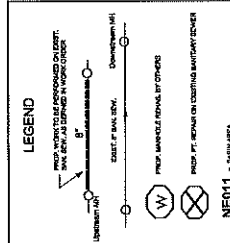
CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WASTEWATER OPERATIONS BRANCH
 Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods

LAKESIDE PLACE
 COUNCIL DISTRICT: G



NOTES:
 1. SEE MANHOLE SPACES OF SANITARY SEWERS AT MANHOLE TK210A
 2. BRUSH AND DEBRIS TO BE REMOVED FROM ALL THREE (3) LOCATIONS.



GENERAL NOTES:

1. EXACT LOCATION, ALIGNMENT, STATION, SIZE AND/OR DEPTH OF EXISTING SAN. SEW. LINES, AND/OR MANHOLES SHALL BE AS PER FIELD
2. AFTER REVIEW OF PAPER(S), CONTRACTOR SHALL BE NOTIFIED TO WHICH MANHOLE SECTION(S) TO BE REHABILITATED
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARD SPECIFICATIONS FOR CONSTRUCTION OF SANITARY SEWERS

DATE: _____

QUADRANT: NW
 KEY MAP: 488P
 SEWER MAP: L4855
 T MAP: T1019 (FY 2008)

CONTRACTOR:
 North Houston Pipe Line
 14000 North Loop West, Suite 7700
 Houston, Texas 77040
 PHONE NO. (832) 448-8032
 FAX NO. (832) 448-8034

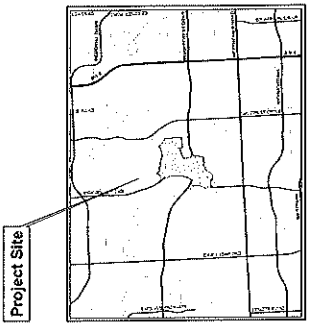
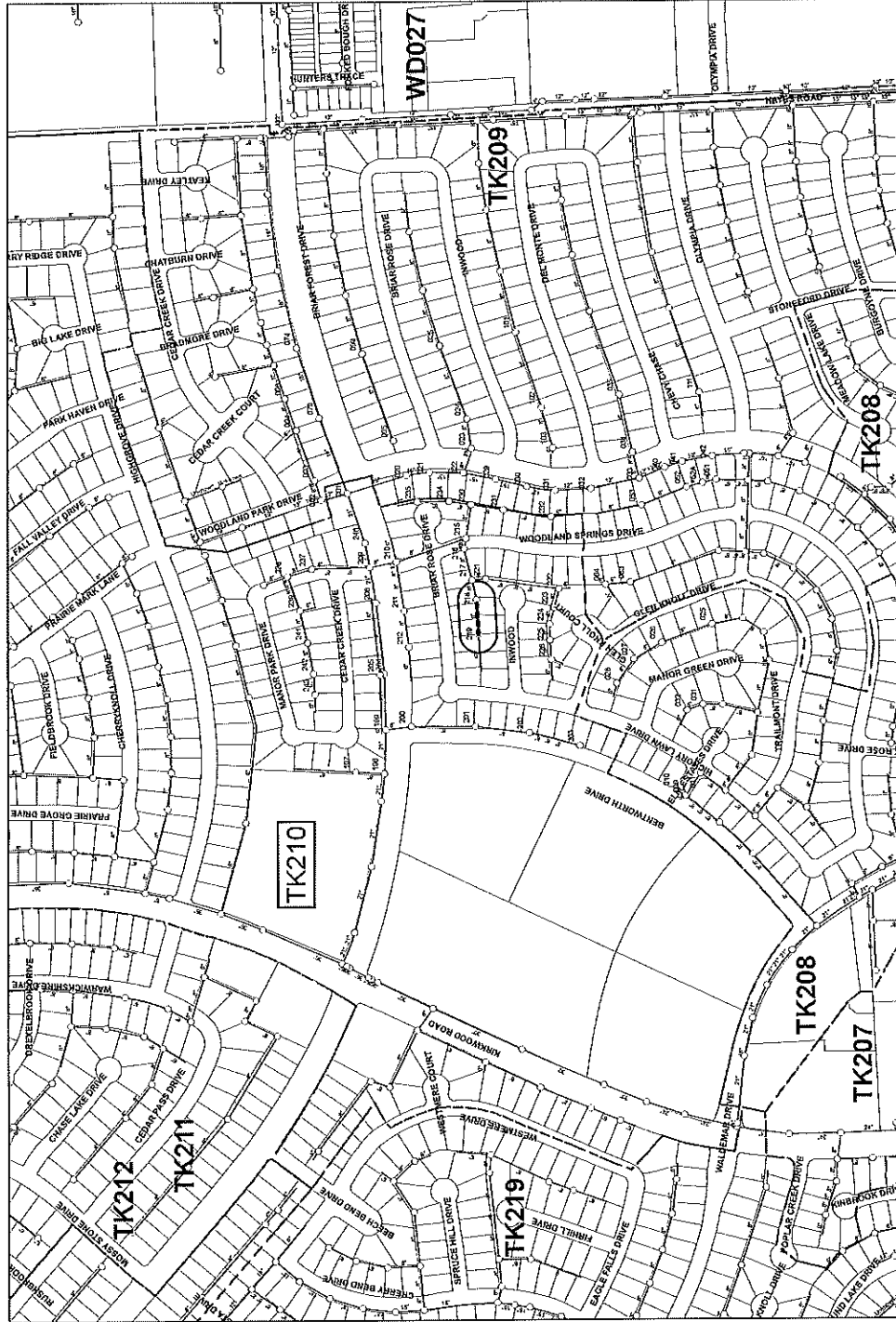
QUALITY CONTROL LAB:
 Texas Engineering Corporation
 14000 North Loop West, Suite 77041
 Houston, Texas 77040
 PHONE NO. (713) 865-7545
 FAX NO. (713) 865-7543

WORK ORDER NO.	11
WW FILE NO.	4257-104
WBS NO.	R-000268-0133-4
CITY CONTRACT NO.	C-460009867
WASTEWATER OPERATIONS BRANCH	4545 GROVEMAN DR. HOUSTON 77057
APPROVALS	
DESIGNED BY	JAMES A. SMITH
DRAWN BY	JOHN P. SMITH
CHECKED BY	JOHN P. SMITH
DATE	11/11/08
SHEET NO.	1 OF 1 SHEETS
P.E. NO.	01512

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
WASTEWATER OPERATIONS BRANCH

Sanitary Sewer Rehabilitation by Sliplining and Pipe Bursting Methods
Subdivision: APRIL VILLAGE,
Council District: G



DEPARTMENT OF PUBLIC WORKS AND ENGINEERING WASTEWATER OPERATIONS BRANCH
BY SLIPLINING AND PIPE BURSTING METHODS TRENCH CUTTING DRAWING
WATER ORDER NO. 12
WORK ORDER NO. 12
ISSUE NO. R-000266-0133-4
OUTLINE AGREEMENT NO. 450000987
COLLECTION SYSTEM OPERATIONS SECTION
COLLECTION SYSTEM OPERATIONS BRANCH
CITY OF HOUSTON APRIL VILLAGE WASTEWATER OPERATIONS BRANCH

DATE: APR/21
SCALE: 1" = 200'
SHEET: R.A. Harris
SHEET NO. 1 OF 1 SHEET

QUADRANT: NW
KEY MAP: 488P
TILE NUMBER: 4886D
T MAP: T1068 (FY08)

CONTRACTOR:
North Houston Sewer
15410 Beverly Rd., Houston, Texas 77060
PHONE NO. (281) 444-8992
FAX NO. (281) 444-9094

QUALITY CONTROL LIAISON:
2705 Westline Houston, Suite 77041
PHONE NO. (713) 985-5544
FAX NO. (713) 985-7044



GENERAL NOTES:
1. EXISTING UTILITIES SHOWN FOR INFORMATION ONLY. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. ALL UTILITIES SHALL BE PROTECTED AND REPAIRED AS NECESSARY.
3. ALL UTILITIES SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION.
4. ALL UTILITIES SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION.
5. ALL UTILITIES SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION.



NO.	REVISION	DATE

NO.	REVISION	DESCRIPTION

BASIN AREA: TK210