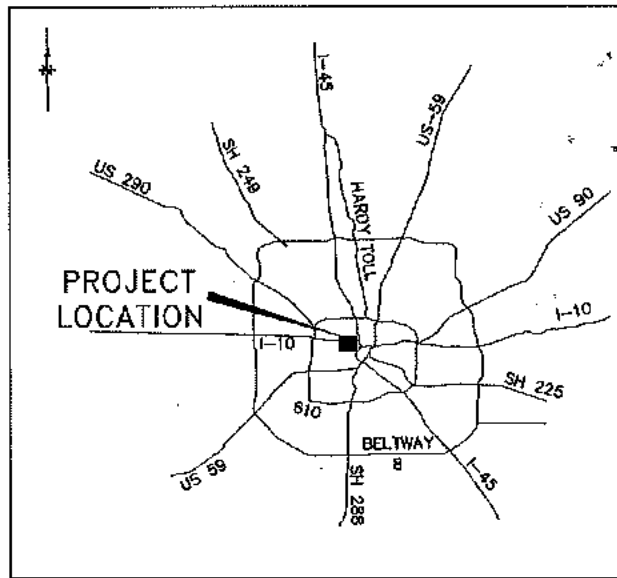


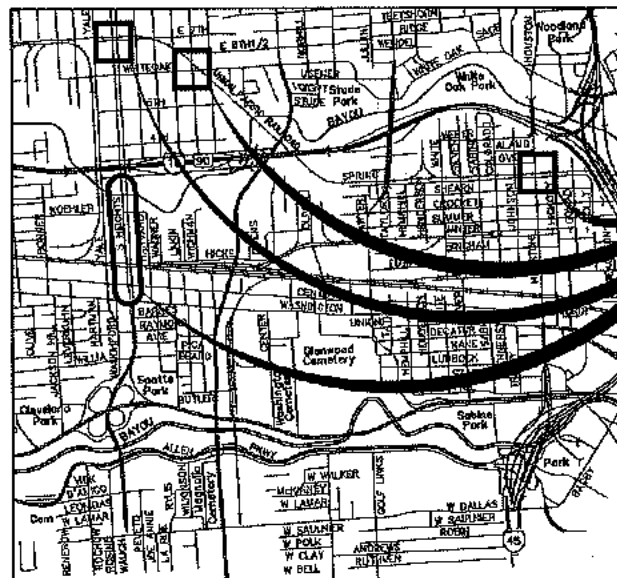
MEMORIAL-HEIGHTS REDEVELOPMENT AUTHORITY/TIRZ NO. 5

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

COH WBS No. N-T05000-0006-7



LOCATION MAP
NTS



VICINITY MAP
NTS

KEY MAP No. 493A,E,F,G
GIMS TILE No. 5358A,C,D 5357A
ZIP CODE: 77007

TDLR EABPR



MAYOR
SYLVESTER TURNER

CONTROLLER
CHRIS B. BROWN

DISTRICT
COUNCIL MEMBERS

AMY PECK DISTRICT A	JERRY DAVIS DISTRICT B	ABBIE KAMIN DISTRICT C	CAROLYN EVANS-SHABAZZ DISTRICT D
DAVE MARTIN DISTRICT E	TIFFANY D. THOMAS DISTRICT F	GREG TRAVIS DISTRICT G	KARLA CISNEROS DISTRICT H
ROBERT GALLEGOS DISTRICT I	EDWARD POLLARD DISTRICT J	MARTHA CASTEX-TATUM DISTRICT K	

COUNCIL MEMBERS
AT-LARGE

MIKE KNOX POSITION 1	DAVID W. ROBINSON POSITION 2
MICHAEL KUBOSH POSITION 3	LETTIA PLUMMER POSITION 4
SALLIE ALCORN POSITION 5	

DECEMBER 2020

BID SET

INDEX OF DRAWINGS

SHEET #	SHEET TITLE
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2	GENERAL NOTES
3	SURVEY CONTROL MAP (SHEET 1 OF 3)
4	SURVEY CONTROL MAP (SHEET 2 OF 3)
5	SURVEY CONTROL MAP (SHEET 3 OF 3)
6	SWINGTIES (SHEET 1 OF 3)
7	SWINGTIES (SHEET 2 OF 3)
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9	DEMOLITION PLAN (SHEET 1 OF 3)
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30	PAVEMENT MARKING AND SIGNAGE PLAN (SHEET 4 OF 5)
31	PAVEMENT MARKING AND SIGNAGE PLAN (SHEET 5 OF 5)
32	PAVEMENT MARKING AND SIGNAGE PLAN DETAILS (SHEET 1 OF 2)
33	PAVEMENT MARKING AND SIGNAGE PLAN DETAILS (SHEET 2 OF 2)
34	STORMWATER POLLUTION PREVENTION PLAN
35	STORMWATER POLLUTION PREVENTION PLAN DETAILS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, RESORTING, REPLACING ALL INFRASTRUCTURES AND EXISTING DETECTION CURRENTLY IN PLACE FOR ALL APPROACHES IF DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO MAINTAIN EXISTING COMMUNICATION. THE CONTRACTOR SHALL ALSO MAINTAIN PEDESTRIAN ACCESSIBILITY TO PUSH BUTTONS AND PROPER SIGNAL ALIGNMENT THROUGHOUT TCP STAGES, OTHERWISE BAG PEDESTRIAN SIGNAL HEADS AND INSTALL CROSSWALK CLOSED SIGNS AND PROVIDE PEDESTRIAN DETOUR.

Contractor shall notify the City of Houston, Department of Public Works and Engineering, Office of the City Engineer, 48 hours prior to starting work on this project.
Telephone No.: 632-394-8098

NOTE: BEFORE TREE PROTECTION AND SITE PREPARATION OF ANY TREE REMOVAL, CONTACT DALE TEMPLE WITH THE CITY OF HOUSTON URBAN FORESTRY DEPARTMENT AT (832)385-8459 OR DALE.TEMPLE@HOUSTON.TX.GOV

PER FEMA PANEL No. 48201C0570M DATED JANUARY 6, 2017, THE PROJECT AREA IS PARTIALLY LOCATED WITHIN ZONE AE (100 YEAR FLOODPLAIN) AND THE FLOODWAY. BFE=43.00'.
PER FEMA PANEL No. 48201C0690N DATED JANUARY 6, 2017, THE PROJECT AREA IS PARTIALLY LOCATED WITHIN ZONE X (500 YEAR FLOODPLAIN) AND THE FLOODWAY. BFE=36.50'.

<p>JONES CARTER Texas Board of Professional Engineers Registration No. F-439 4300 West Loop South, Suite 350 • Houston, TX 77061 • 713.277.5371</p>	
<p>SURVEYED BY: UNITED ENGINEERS, INC. FB NO. P-6162</p>	<p>FOR CITY OF HOUSTON USE ONLY</p>
<p>NOTE: CITY SIGNATURE VALID FOR ONE YEAR ONLY, AFTER DATE OF SIGNATURE.</p> <p>DATE: 12/23/20</p>	<p>ACCEPTED AND FILED</p> <p>70236</p> <p>CITY DRAWING NUMBER</p>
<p>SHEET NO 1 OF 35 SHEETS</p>	

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

JONES CARTER HOUSTON, TEXAS

70236

GENERAL CONSTRUCTION NOTES

- 1. CONSTRUCT WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING IN ACCORDANCE WITH THE LATEST EDITION OF THE PUBLICATIONS STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING, AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING PUBLISHED BY HOUSTON PUBLIC WORKS.

ADDITIONAL GENERAL CONSTRUCTION NOTES

- 17. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING FACILITIES TO EXISTING OR BETTER CONDITION UNLESS OTHERWISE NOTED AT NO ADDITIONAL COST TO THE OWNER.

URBAN FORESTRY NOTES

- 1. CONTRACTOR AND PROJECT INSPECTOR TO MEET WITH PARKS DEPARTMENT / URBAN FORESTRY BEFORE STARTING CONSTRUCTION TO DISCUSS TREE PROTECTION AND REMOVAL CONTACT DATE TEMPLATE AT (832)396-4858 OR AT DATED@HOUSTON.TX.GOV

UTILITY NOTES

- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPANIED USING NON-MECHANIZED EXCAVATION PROCEDURES.

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STREET & BRIDGE CONSTRUCTION NOTES

- 1. HOUSTON PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING UNLESS OTHERWISE NOTED AND APPROVED ON THESE PLANS. THE DESIGN IS CONSISTENT WITH THE MANUAL STANDARDS ESTABLISHED IN THE CONSTRUCTION MANUAL REFERENCED AS: https://docs.publicworks.houston.gov/ocw/ocw-forms-and-construction/ocw-manual.html

STORM SEWER CONSTRUCTION NOTES

- 1. STORM SEWER SHALL BE REINFORCED CONCRETE PIPE (8-24 CLASS III), AND SHALL BE INSTALLED, BEDDED, AND BACK FILLED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWING NOS. 2317-02, 02197-3, 02197-04, 02197-05, AND 02197-07 (LOC. 2000) AS APPLICABLE UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

SWPPP CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL IMPLEMENT EROSION PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPP) PLANS TO KEEP SILT AND OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STREAM.

GRADING CONSTRUCTION NOTES

- 1. GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY THE SUFFICIENCY OF ALL EXISTING AND PROPOSED SITES CONDITIONS INCLUDING GRADES AND ELEVATIONS BEFORE STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.

PAVING CONSTRUCTION NOTES

- 1. PAVEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING CITY OF HOUSTON DOCUMENTS: "STANDARD CONSTRUCTION SPECIFICATIONS" AND "STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING".

TRAFFIC CONSTRUCTION NOTES

- CONTRACTOR OR OWNER SHALL SUBMIT TRAFFIC CONTROL PLANS WITH THE MOBILITY PERMIT APPLICATION. THE PLANS SHALL BE DRAWN TO SCALE AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.

METRO GENERAL NOTES

- 1. CONTRACTOR SHALL NOTIFY METRO AT 713-815-7719 TWO WEEKS PRIOR TO MOBILIZING TO THE PROJECT SITE TO COORDINATE IMPACTS TO BUS OPERATIONS DURING CONSTRUCTION.

ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes terms like ASPHALT, CONCRETE, CEMENT, etc.

NOTICE: FOR YOUR SAFETY, YOU ARE REQUESTED BY TEXAS LAW TO CALL 911 AT LEAST 48 HOURS BEFORE YOU DO SO THAT UNDERGROUND LINES CAN BE MARKED.

VERIFICATION OF PRIVATE UTILITY LINES

CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not to be used for conflict verification.

Signature valid for six months.

CenterPoint Energy/UNDERGROUND Electronic Facilities Verification ONLY.

(This signature verifies existing underground facilities - not to be used for conflict verification)

Signature valid for six months.

Approved for AT&T Texas S&BT underground conduit facilities ONLY

Signature valid for one year.

NO. DATE REVISIONS APP.

NO. DATE REVISIONS APP.

NO. DATE REVISIONS APP.

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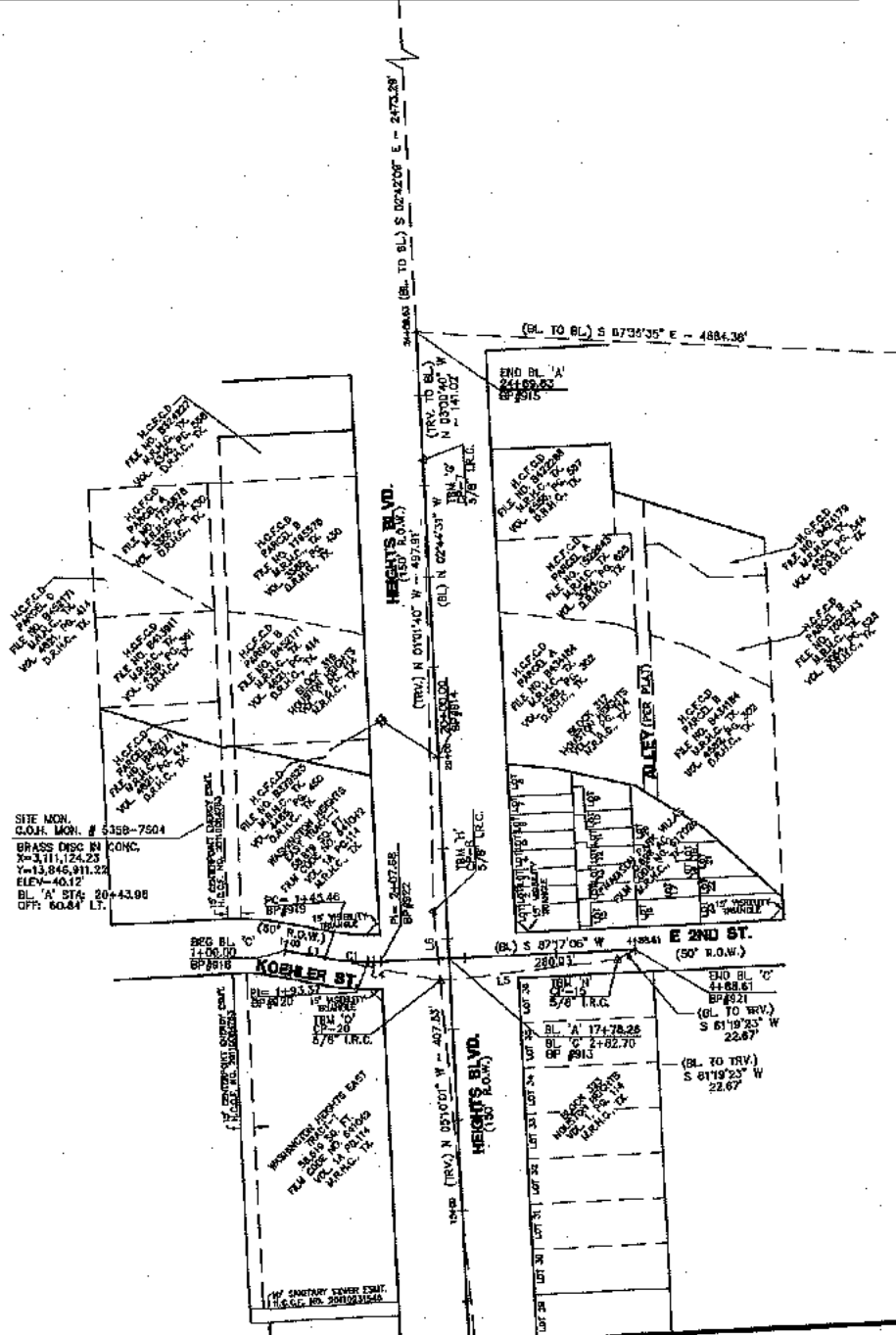
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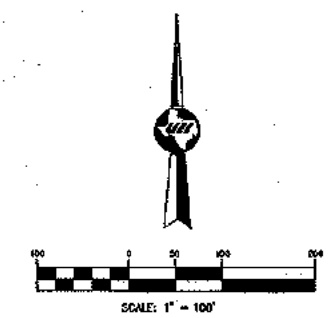
Professional Engineer Seal for Kristen Jill Hennings, State of Texas, License No. 58189. Includes project title: CITY OF HOUSTON HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT.

City of Houston Public Works stamp: WBS NUMBER N-105000-0008-7, DRAWING SCALE NIS, CITY OF HOUSTON PROJECT NO. 70236, SHEET NO. 2 OF 38.

(SEE SHEET 2 OF 3)
MATCHLINE 'B'



(SEE SHEET 2 OF 3)
MATCHLINE 'A'



- LEGEND**
- HCAD PROPERTY LINE
 - EASEMENT
 - RIGHT-OF-WAY PROPERTY LINE
 - (TRV) N 00° 00' 00" E TRAVERSE LINE
 - (BL) N 00° 00' 00" E BASELINE
 - CONTROL MONUMENTS

- GENERAL NOTES**
- CP - Indicates Traverse Point
 - BP - Indicates Baseline Point
 - (TRV) - Indicates Traverse Line
 - (BL) - Indicates Baseline Line
 - CM - Indicates Control Monument
 - FM - Indicates Found
 - RT - Indicates Right
 - LT - Indicates Left
 - XC - Indicates 'X' Cut
 - LP - Indicates Iron Pipe
 - LR - Indicates Iron Rod
 - L.R.C. - Indicates Iron Rod w/Cap
 - P.I.P. - Indicates Flitch Iron Pipe
 - MID - Indicates Mid Nail
 - P.C. - Indicates Point of Curvature
 - P.C.C. - Indicates Point of Compound Curvature
 - P.T. - Indicates Point of Tangent
 - BM - Indicates Temporary Benchmark
 - 0000 - Indicates Address
 - W.L.E. - Indicates Water Line Easement
 - U.E. - Indicates Utility Easement
 - S.S.E. - Indicates Sanitary Sewer Easement
 - S.E. - Indicates Storm Sewer Easement

- NOTES**
1. All bearings and coordinates shown herein are tied to the NSRS and expressed in the Texas Coordinate System, South Central Zone 4204, NAD 83 (2011), NAD 83 (EPOCH 2010.0000), NAD 83 (GD 2012A).
 2. All distances shown herein are surface values. All coordinates shown herein are grid values unless otherwise noted. To convert surface values to grid values multiply by the scale factor of 0.999894756582.
 3. The right of way shown herein is based on the best available evidence found in the field at the time of the survey coupled with the documents of record in the County Clerk's Office provided by Courthouse Specialist.
 4. To convert elevations to TSARP datum, subtract 0.19 feet.

BASELINE POINT LINE TABLE

LINE	BEARING	DISTANCE
L1	N 79°15'49" W	45.40'
L2	N 05°24'54" E	102.57'
L3	N 01°53'28" W	106.88'
L4	S 78°43'02" E	176.60'
L5	N 82°59'39" E	198.58'
L6	N 05°29'53" W	77.38'
L7	N 77°48'41" E	103.05'
L8	N 87°59'22" E	85.82'
L9	S 82°31'01" E	126.03'
L10	N 06°40'39" E	135.00'
L11	N 35°59'09" E	118.84'
L12	N 33°25'40" W	98.77'
L13	N 23°11'50" E	117.77'
L14	N 73°57'12" E	158.92'
L15	N 70°10'36" E	154.22'
L16	S 42°59'25" E	51.31'
L17	N 87°04'47" W	193.67'
L18	N 73°31'17" W	82.16'
L19	S 79°17'46" W	108.67'
L20	N 29°58'16" W	173.38'
L21	N 44°39'10" E	44.24'

BASELINE POINT CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	1327°08'	265.00	62.22'	N 85°58'24" W ~ 82.08'
C2	2014°30'	540.30	160.88'	N 153°148" E ~ 188.85'

CERTIFICATION

I HEREBY CERTIFY THAT: (1) THIS PLAN WAS PREPARED FROM AN ON THE GROUND SURVEY MADE UNDER MY SUPERVISION; (2) THAT THIS PLAN CORRECTLY REPRESENTS THE FACTS FOUND AT THE TIME OF SURVEY; (3) THAT THIS PLAN AND THE SURVEY IT REPRESENTS, CONFORMS TO THE REQUIREMENTS OF THE LAND SURVEYING PRACTICES ACT IN EFFECT AT THE TIME OF THE SURVEY FOR THE TYPE OF PROFESSIONAL SERVICE SO STATED.

TYPE OF PROFESSIONAL SERVICE: TOPOGRAPHIC AND R.O.W. SURVEY

Chris 6-17-20
CHRISTOPHER NORRIS, R.P.L.S. 6207 DATE



JONES CARTER

United Engineers, Inc.

1382 West Loop South, Suite 550 • Houston, TX 77027 • 713.771.1817

SURVEYED BY:
UNITED ENGINEERS, INC.
FB No. # P-6162

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

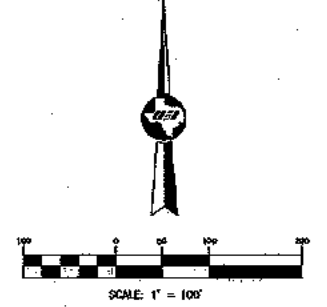
SURVEY CONTROL WORKS
SHEET 1 OF 3

WBS NO. N-105000-0005-
DRAWING SCALE V. N/A H. 1"=10'
CITY OF HOUSTON PW HIEN PHAM, P.E.
SHEET NO. OF

70236
CITY DRAWING

SITE MON.
C.O.H. MON. # 5358-7812
BRASS DISC IN CONG.
X=3,110,254.85
Y=13,851,274.29
ELEV=54.85'

(SEE SHEET 1 OF 3)
MATCHLINE 'A'



- LEGEND:**
- HCAD PROPERTY LINE
 - EASEMENT
 - RIGHT-OF-WAY PROPERTY LINE
 - TRAVERSE LINE
 - BASELINE
 - CONTROL MONUMENTS

- GENERAL NOTES:**
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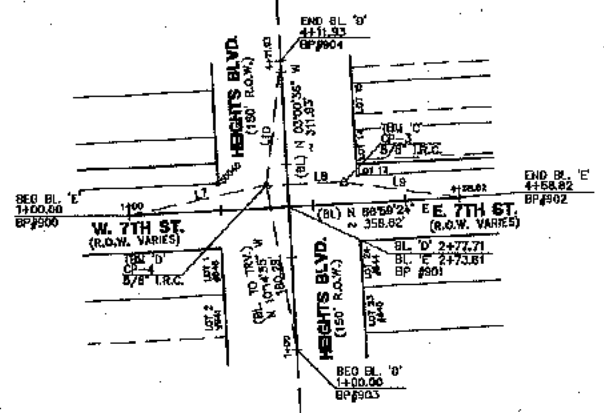
- NOTES:**
1. All bearings and coordinates shown herein are tied to the NGRS and expressed in the Texas Coordinate System, South Central Zone 4204, NAD 83 (2011), UTM (EPOCH 2010.0000), NAD 83 (60 2012A).
 2. All distances shown herein are surface values. All coordinates shown herein are grid values unless otherwise noted. To convert surface values to grid values multiply by the scale factor of 0.9998470532.
 3. The right of way shown herein is based on the best available evidence found in the field at the time of the survey coupled with the documents of record in the County Clerk's Office provided by Courthouse Specialist.
 4. To convert elevations to TSARP datum, subtract 0.15 feet.

BASELINE POINT LINE TABLE

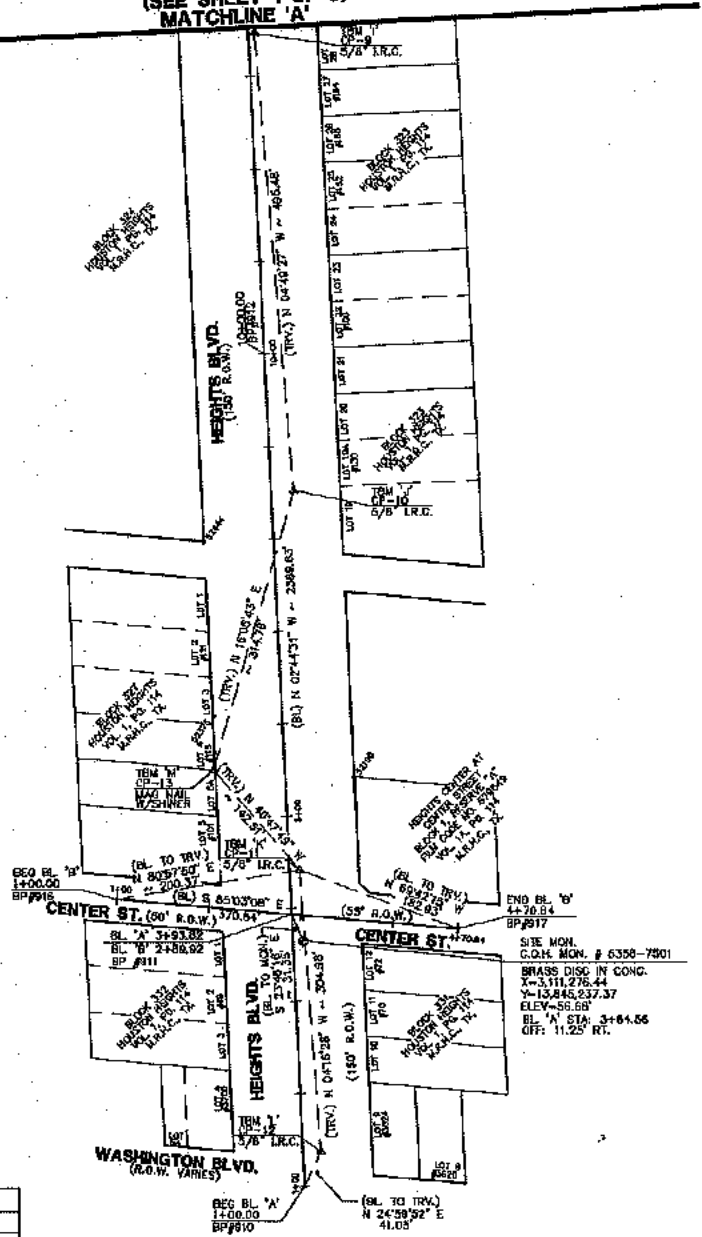
LINE	BEARING	DISTANCE
L1	N 79°10'49" W	45.46'
L2	N 05°21'34" E	102.57'
L3	N 01°53'26" W	166.98'
L4	S 78°43'02" E	175.60'
L5	N 82°59'39" E	106.69'
L6	N 05°28'53" W	77.38'
L7	N 77°49'41" E	153.05'
L8	N 87°58'22" E	53.82'
L9	S 82°31'01" E	128.03'
L10	N 08°49'39" E	135.09'
L11	N 35°59'05" E	116.64'
L12	N 33°25'49" W	98.77'
L13	N 23°11'00" E	117.77'
L14	N 73°37'12" E	158.82'
L15	N 70°40'36" E	154.22'
L16	S 42°59'24" E	51.31'
L17	N 87°04'47" W	103.67'
L18	N 73°31'17" W	52.15'
L19	S 78°17'46" W	108.67'
L20	N 29°58'16" W	173.38'
L21	N 44°30'18" E	44.24'

BASELINE POINT CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	13°27'09"	265.00	62.22'	N 85°59'24" W ~ 62.08'
C2	20°14'38"	540.00	180.88'	N 15°31'49" E ~ 189.88'



(SEE SHEET 1 OF 3)
MATCHLINE 'B'



CERTIFICATION:

I HEREBY CERTIFY THAT: (1) THIS PLAN WAS PREPARED FROM AN ON THE GROUND SURVEY MADE UNDER MY SUPERVISION; (2) THAT THIS PLAN CORRECTLY REPRESENTS THE FACTS FOUND AT THE TIME OF SURVEY; (3) THAT THIS PLAN AND THE SURVEY IT REPRESENTS, CONFORMS TO THE REQUIREMENTS OF THE LAND SURVEYING PRACTICES ACT IN EFFECT AT THE TIME OF THE SURVEY FOR THE TYPE OF PROFESSIONAL SERVICE SO STATED.

TYPE OF PROFESSIONAL SERVICE: TOPOGRAPHIC AND R.O.W. SURVEY

CHRISTIN W. MORRIS, R.P.L.S. 6207
DATE: 9-7-20



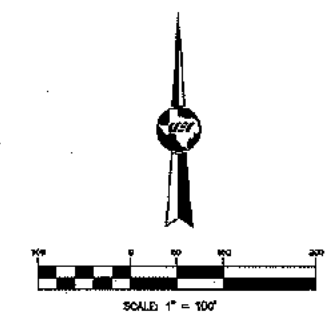
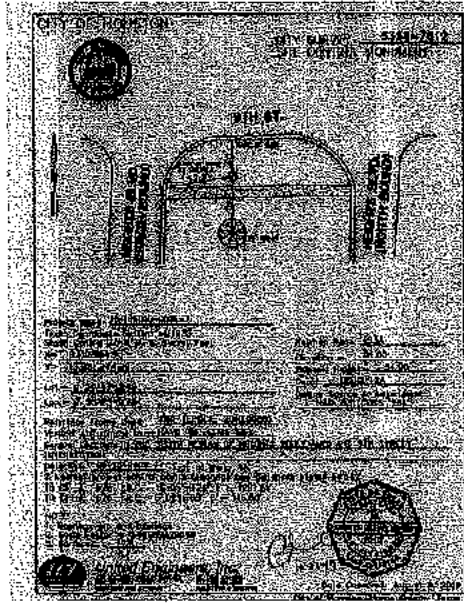
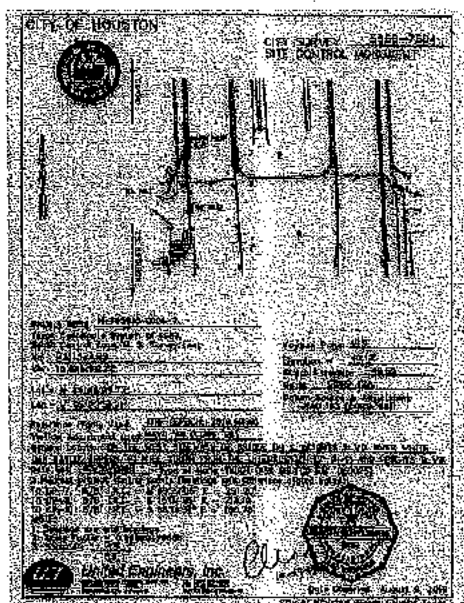
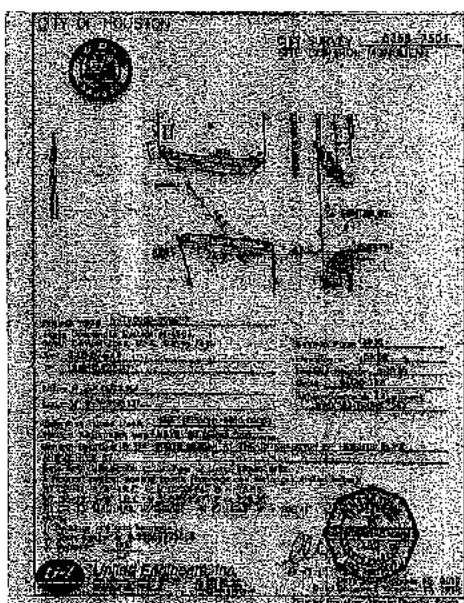
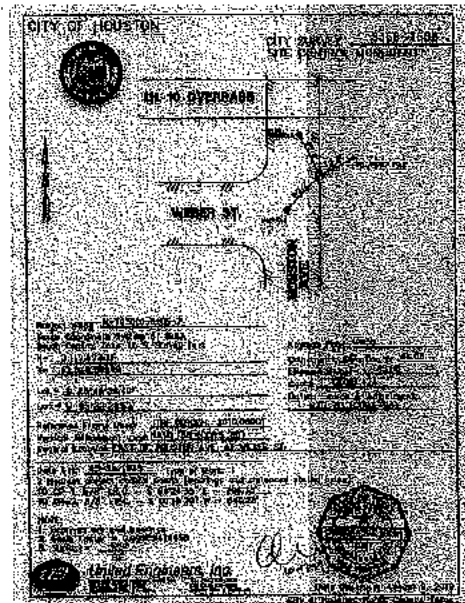
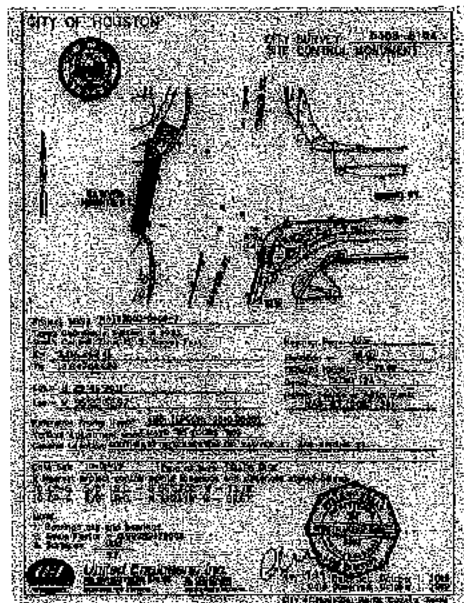
JONES CARTER
United Engineers, Inc.
SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO. # P-6162

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

SURVEY CONTROL MAP
(SHEET 2 OF 3)
ACCEPTED

WBS NO.
N-705000-0006
DRAWING SCALE
V. N/A H. 1"=100'
CITY OF HOUSTON
HEN PHAM, P.E.
SHEET NO. OF

70236
CITY DRAWING NUMBER
HOUSTON, TEXAS



LEGEND:
 HCAD PROPERTY LINE
 EASEMENT
 RIGHT-OF-WAY PROPERTY LINE
 TRAVERSE LINE
 BASELINE
 CONTROL MONUMENTS

GENERAL NOTES:
 CP - Indicates Traverse Point
 BP# - Indicates Baseline Point
 (TRV) - Indicates Traverse Line
 (B.L.) - Indicates Baseline Line
 CM - Indicates Control Monument
 FM - Indicates Found
 RT - Indicates Right
 LT - Indicates Left
 X - Indicates X-Cut
 IP - Indicates Iron Pipe
 IR - Indicates Iron Rod
 I.R.C. - Indicates Iron Rod w/Cap
 P.I.P. - Indicates Pinch Iron Pipe
 MAG - Indicates MAG Nail
 PC - Indicates Point of Curve
 P.C.C. - Indicates Point of Compound Curvature
 PT - Indicates Point of Tangent
 TBM - Indicates Temporary Benchmark
 XXXX - Indicates Address
 W.L.E. - Indicates Water Line Easement
 U.E. - Indicates Utility Easement
 S.S.E. - Indicates Sanitary Sewer Easement
 S.E. - Indicates Storm Sewer Easement

- NOTES:**
- All bearings and coordinates shown herein are tied to the NAD 83 and expressed in the Texas Coordinate System, South Central Zone 4204, NAD 83 (2011), TRM (EPOCH 2010.0000), NAVD 83 (GD 2012A).
 - All distances shown herein are surface values. All coordinates shown herein are grid values unless otherwise noted. To convert surface values to grid values multiply by the scale factor of 0.99994706582.
 - The right of way shown herein is based on the best available evidence found in the field at the time of the survey coupled with the documents of record in the County Clerk's Office provided by Courthouse Specialist.
 - To convert elevations to TSARP datum, subtract 0.19 feet.

BASELINE POINT TABLE (A)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
910	1+00.00	A	13844972.57	3111277.97	MAG W/SHINER
911	3+93.82	A	13845286.03	3111963.92	MAG W/SHINER
912	10+00.00	A	13845871.45	3112334.93	5/8" I.R.C.
913	17+78.28	A	13846848.74	3111977.70	MAG W/SHINER
914	20+00.00	A	13846870.20	3111967.10	5/8" I.R.C.
915	2+69.93	A	13847339.25	311164.93	X-CUT

BASELINE POINT TABLE (D)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
903	1+00.00	D	13846909.53	3111648.03	5/8" I.R.C.
901	2+77.71	D	13846963.74	3111036.82	MAG W/SHINER
904	4+11.93	D	13850120.99	3111031.86	5/8" I.R.C.

BASELINE POINT TABLE (B)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
916	1+00.00	B	13845222.41	3111074.72	MAG W/SHINER
911	2+69.92	B	13845286.03	3111263.92	MAG W/SHINER
917	4+70.84	B	13846280.43	3111444.15	MAG W/SHINER

BASELINE POINT TABLE (E)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
909	1+00.00	E	13849954.61	3110666.37	MAG W/SHINER
901	2+73.81	E	13849963.74	3111039.82	MAG W/SHINER
902	4+38.82	E	13849973.46	3111224.86	MAG W/SHINER

BASELINE POINT TABLE (C)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
918	1+00.00	C	13846657.99	3111016.20	MAG W/SHINER
919	1+43.48	C	13846548.53	3111089.85	MAG W/SHINER
920	1+93.37	C	13846644.89	3111108.47	MAG W/SHINER
922	2+07.68	C	13846645.19	311122.77	MAG W/SHINER
913	2+82.70	C	13846848.74	311197.70	MAG W/SHINER
921	4+88.61	C	13846658.49	3111403.36	MAG W/SHINER

BASELINE POINT TABLE (F)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
704	1+00.00	F	13847134.14	3118044.19	X-CUT
701	2+83.47	F	13847141.70	3118227.49	MAG W/SHINER
705	4+52.27	F	13847148.02	3118396.12	MAG W/SHINER

RIGHT OF WAY CONTROL MONUMENT TABLE

POINT #	STATION	OFFSET	BASELINE	DESCRIPTION	CONTROL MONUMENT
10203	1+34.93	30.00L	I	5/8" IRON ROD	CM
30836	0+13.74	35.03L	F	5/8" IRON ROD W/CAP	CM
30837	2+02.72	45.80L	G	5/8" IRON ROD W/CAP	CM
30839	3+27.96	46.39L	G	5/8" IRON ROD W/CAP	CM
30540	1+88.81	29.15L	E	5/8" IRON ROD W/CAP	CM
52180	5+38.63	74.55R	A	5/8" IRON ROD	CM
52275	8+11.29	74.16L	A	1" IRON PIPE	CM
52444	8+00.52	75.37L	A	1/2" IRON ROD	CM

BASELINE POINT TABLE (G)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
700	1+00.00	G	13847002.16	3116182.53	MAG W/SHINER
701	2+47.02	G	13847141.70	3118227.49	MAG W/SHINER
702	2+30.85	G	13847185.09	3116233.37	MAG W/SHINER
703	3+93.17	G	13847287.16	3116243.03	5/8" I.R.C.

BASELINE POINT TABLE (H)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
800	1+00.00	H	13847266.06	3118981.14	MAG W/SHINER
801	2+43.49	H	13847250.95	3119104.53	MAG W/SHINER
802	1+00.37	H	13847256.37	3118261.30	MAG W/SHINER

BASELINE POINT TABLE (I)

BP#	STATION	BASELINE	GRID NORTHING	GRID EASTING	DESCRIPTION
801	1+00.00	I	13847280.95	3119104.53	MAG W/SHINER
803	2+86.89	I	13847417.84	3119099.02	MAG W/SHINER

HORIZONTAL AND VERTICAL TRAVERSE TABLE

Point #	STATION	OFFSET	BASELINE	GRID NORTHING	GRID EASTING	ELEVATION	DESCRIPTION
1	2+92.97	18.90R	H	13847238.19	3119154.53	42.15	5/8" I.R.C.
2	2+35.96	32.11L	I	13847386.37	3119057.93	41.61	5/8" I.R.C.
3	3+34.80	22.95L	E	13849989.86	3111099.72	95.97	5/8" I.R.C.
4	2+78.85	22.72L	D	13849986.92	3111016.95	56.66	5/8" I.R.C.
5	3+05.13	45.21R	F	13847098.53	3116251.05	90.31	5/8" I.R.C.
6	2+54.21	38.42L	F	13847178.95	3116198.65	80.33	5/8" I.R.C.
7	2+28.62	0.68R	A	13847198.44	3111172.04	40.62	5/8" I.R.C.
8	18+30.93	14.23L	A	13846700.66	3111806.07	43.35	5/8" I.R.C.
9	13+48.47	6.72R	A	13848217.81	3111225.08	80.18	5/8" I.R.C.
10	8+54.32	24.74R	A	13849724.13	3111266.74	85.46	5/8" I.R.C.
11	4+41.20	10.89R	A	13845313.87	3111272.59	84.33	5/8" I.R.C.
12	1+38.53	19.11R	A	13846099.77	3111295.32	83.09	5/8" I.R.C.
13	5+53.41	76.80L	A	13845421.74	3111178.49	83.31	MAG W/SHINER
15	4+89.23	8.92R	C	13848847.82	3111383.48	44.88	5/8" I.R.C.
20	17+53.84	10.51L	A	13849823.84	3111188.39	44.60	5/8" I.R.C.

CERTIFICATION:
 I HEREBY CERTIFY THAT: (1) THIS PLAT WAS PREPARED FROM AN ON THE GROUND SURVEY MADE UNDER MY SUPERVISION; (2) THAT THIS PLAT CORRECTLY REPRESENTS THE FACTS FOUND AT THE TIME OF SURVEY; (3) THAT THIS PLAT AND THE SURVEY IT REPRESENTS, CONFORMS TO THE REQUIREMENTS OF THE LAND SURVEYING PRACTICES ACT IN EFFECT AT THE TIME OF THE SURVEY FOR THE TYPE OF PROFESSIONAL SERVICE SO STATED.

TYPE OF PROFESSIONAL SERVICE: TOPOGRAPHIC AND R.O.W. SURVEY

CHRISTIN M. MORRIS, P.E.L.S. 6207
 6-17-20
 DATE



JONES CARTER
 1515 West Loop South, Suite 1501, Houston, TX 77041-1111
 281.441.1111

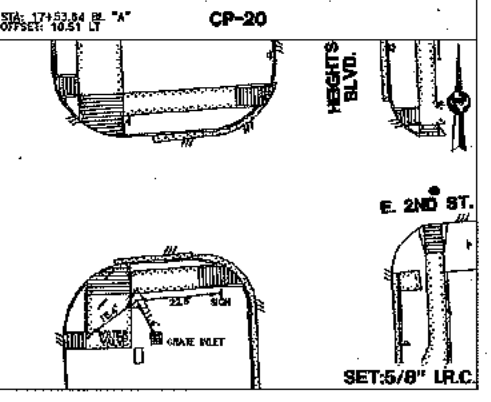
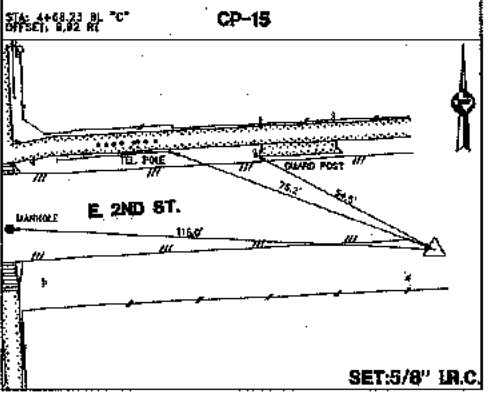
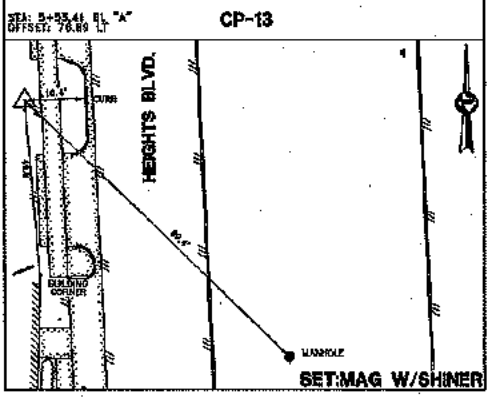
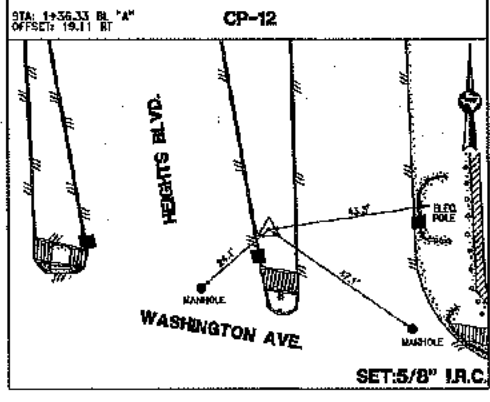
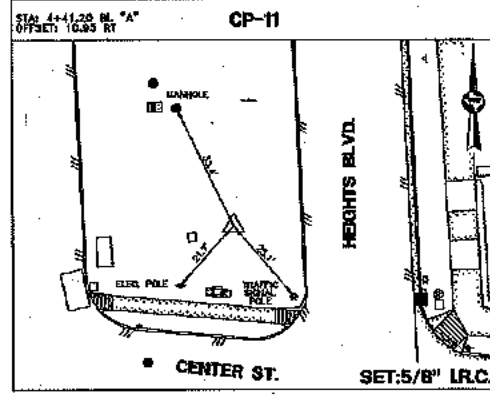
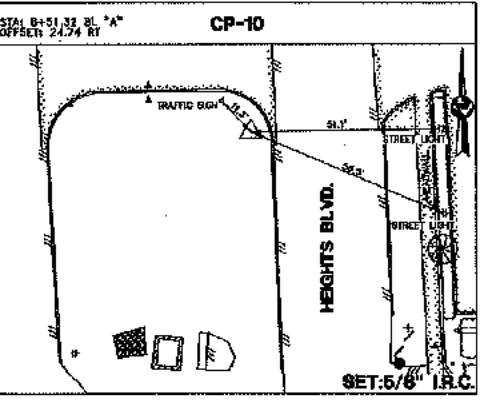
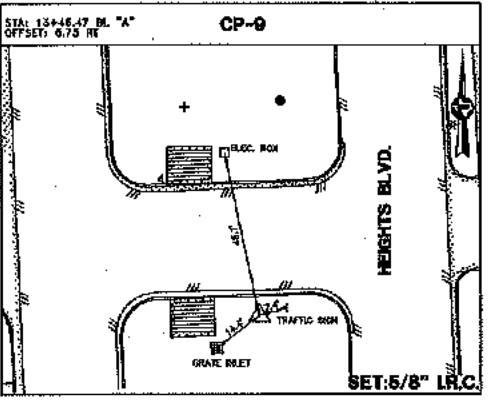
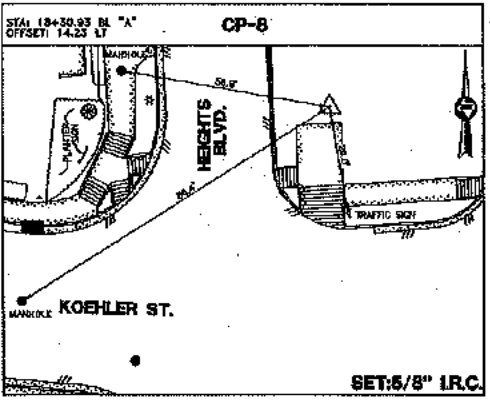
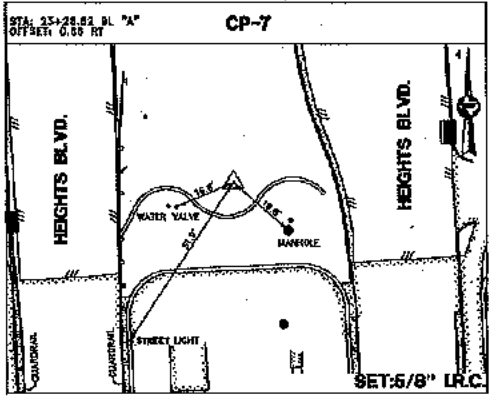
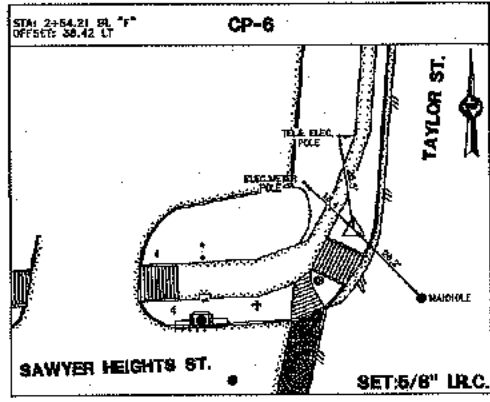
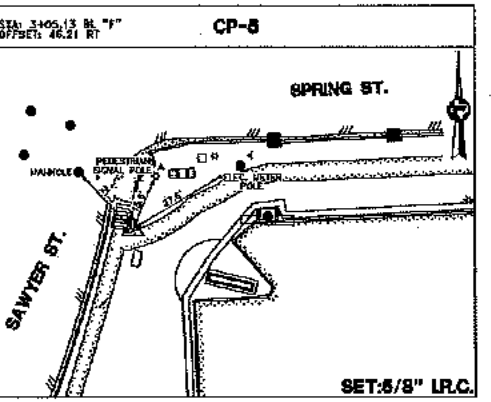
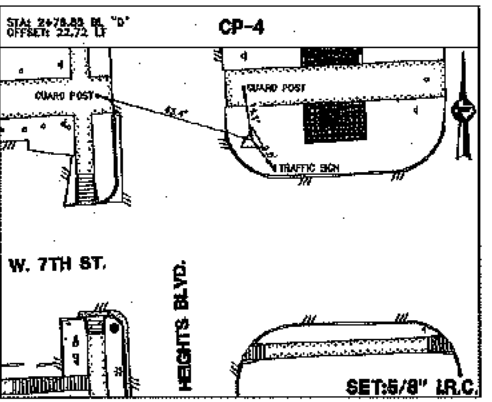
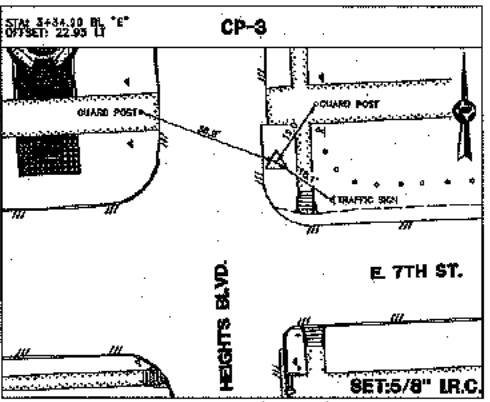
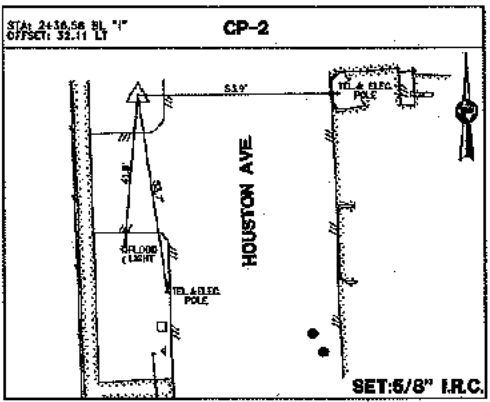
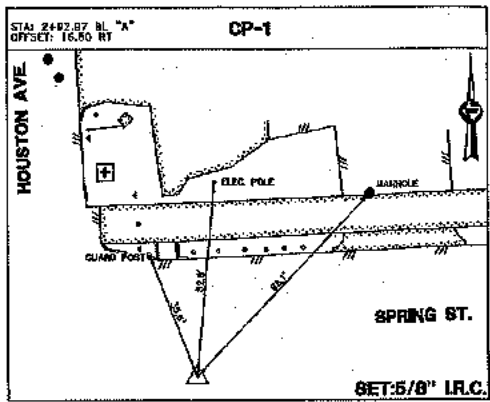
United Engineers, Inc.
 CIVIL ENGINEERING • LAND DEVELOPMENT
 SURVEYING • QUALITY ASSURANCE
 CONSULTING • PROJECT MANAGEMENT

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. 7 P-6162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN &
 BICYCLE SAFETY IMPROVEMENTS PROJECT

SURVEY CONTROL MAP
 (SHEET 5 OF 3)

WBS NO. N-705900-08-7
 DRAWING TITLE V. N/A H=100'
 CITY OF HOUSTON PA
 HIEN PHAM
 SHEET NO. 70236
 CITY DRAWING NUMBER



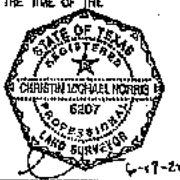
GENERAL NOTES:
 CP- Indicates Traverse Point
 BP- Indicates Baseline Point
 (REV.) Indicates Traverse Line
 (B.L.) Indicates Baseline Line
 CM Indicates Control Monument
 Fnd. Indicates Found
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- NOTES:**
- All bearings and coordinates shown herein are tied to the NSRS and expressed in the Texas Coordinate System, South Central Zone 4204, NAD 83 (2011), TRIP (EPSG: 2010.0000), NAD 83 (GD 2011A).
 - All distances shown herein are surface values. All coordinates shown herein are GSD values unless otherwise noted. To convert surface values to grid values multiply by the scale factor of 0.9999474852.
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CERTIFICATION:
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TYPE OF PROFESSIONAL SERVICE: TOPOGRAPHIC AND R.O.W. SURVEY

CHRISTIN M. MORRIS, R.P.L.S. 6207 6-17-20 DATE



JONES CARTER
 4302 West Loop West, Suite 310 • Houston, TX 77021 • 713.297.3377

United Engineers, Inc.
 CIVIL ENGINEERING • LAND DEVELOPMENT
 ENVIRONMENTAL ENGINEERING
 SURVEYING • UTILITY ENGINEERING
 GEOTECHNICAL ENGINEERING • WATER RESOURCES ENGINEERING

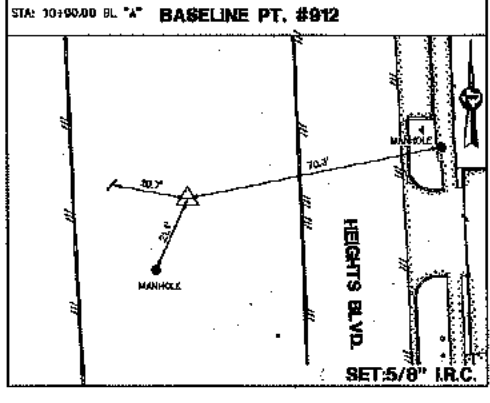
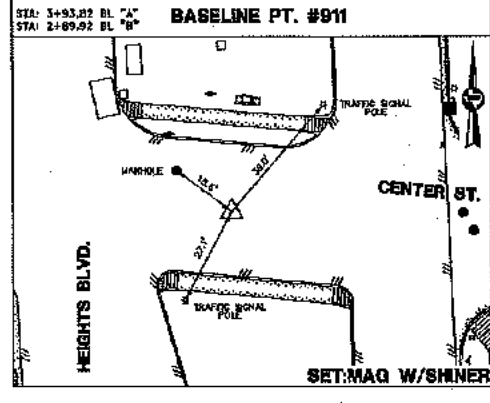
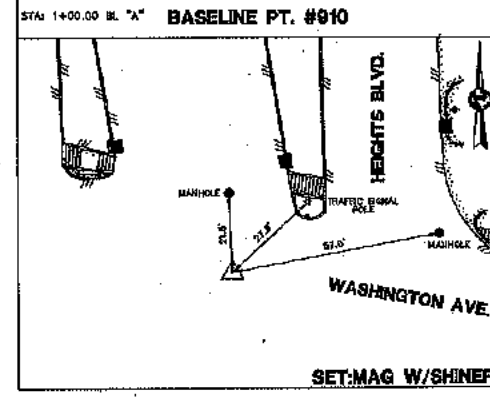
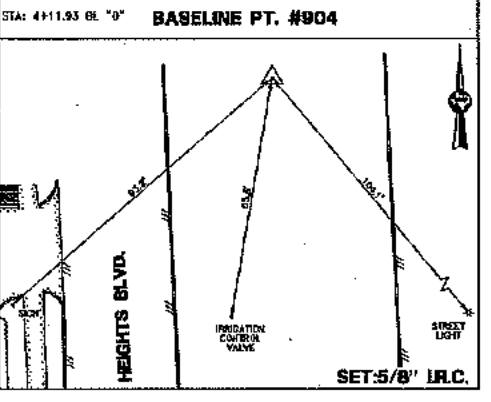
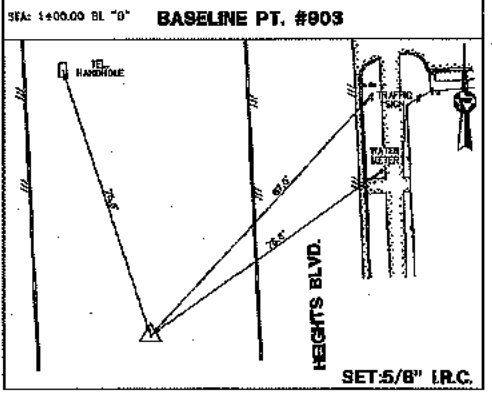
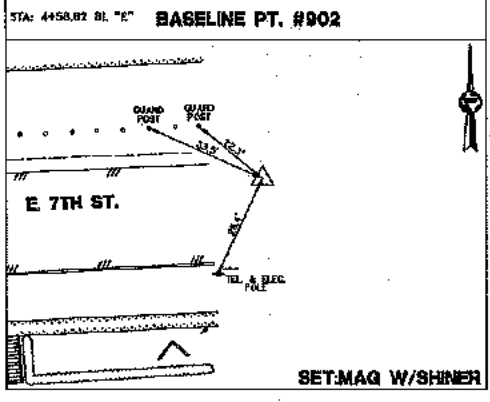
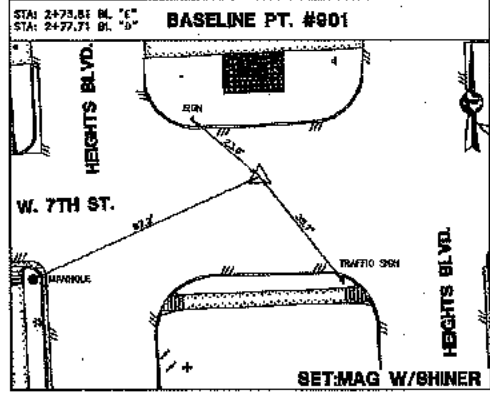
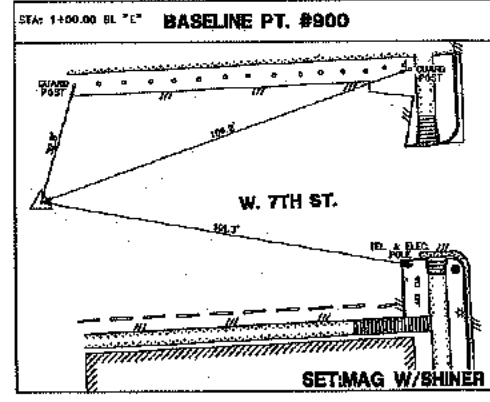
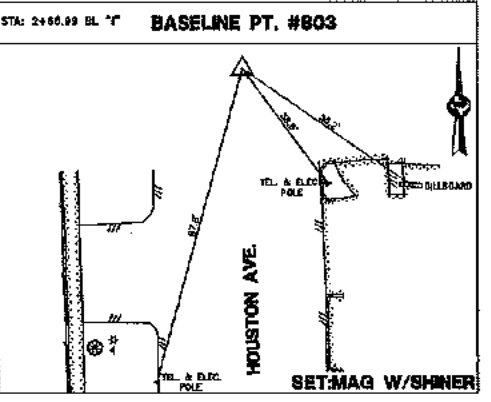
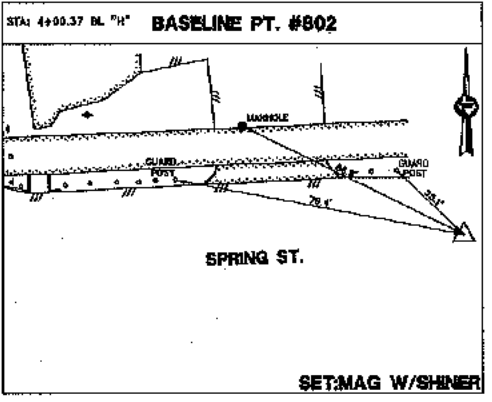
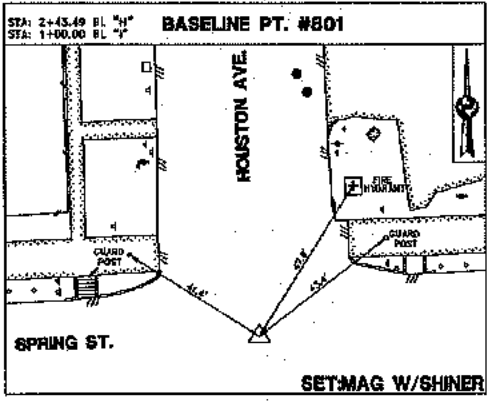
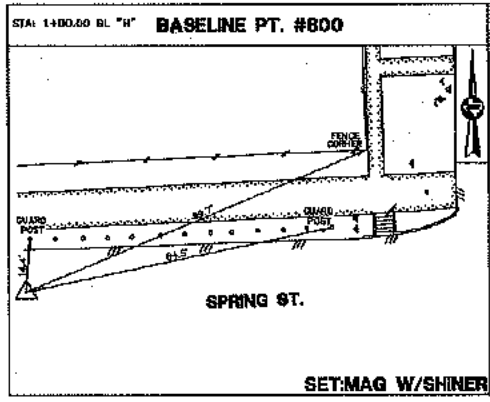
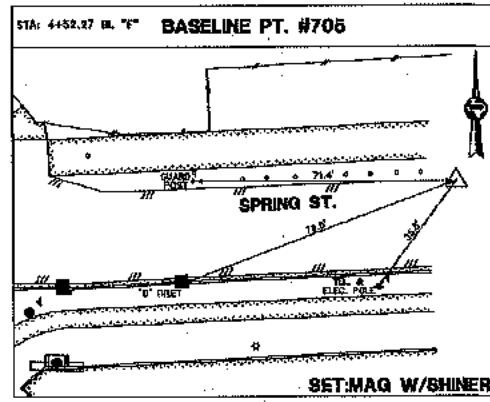
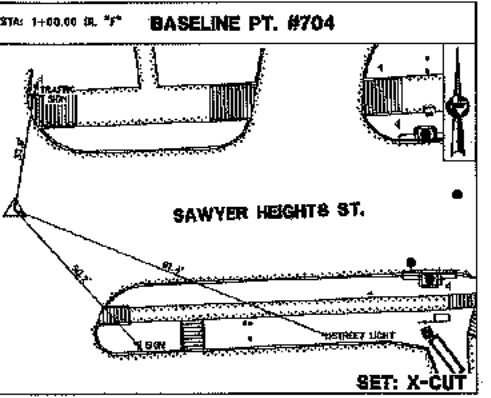
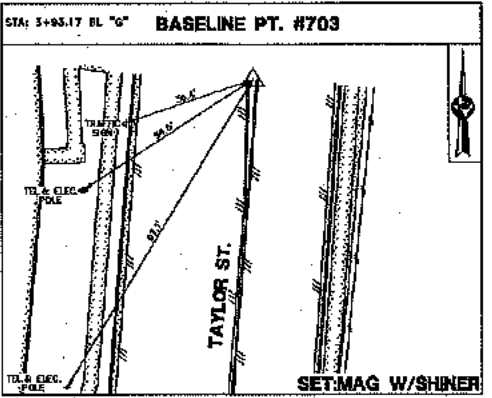
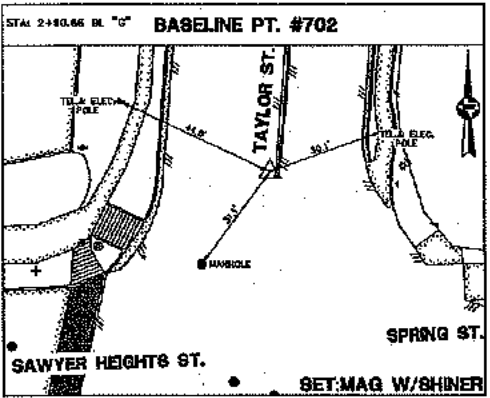
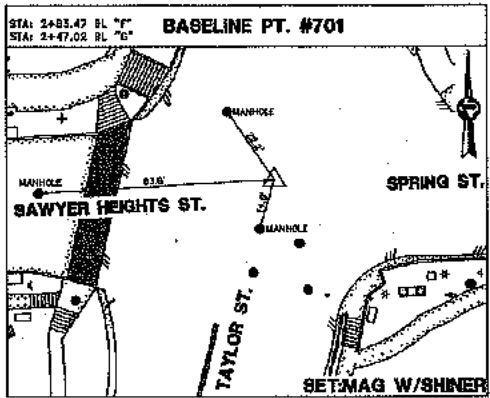
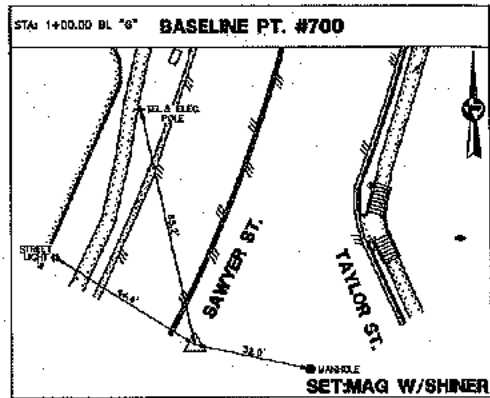
SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. / P-5162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN &
 BICYCLE SAFETY IMPROVEMENTS PROJECT

WBS NO. N-105000-0006
 DRAWING SCALE V: N/A H: N
 CITY OF HOUSTON PUBLIC WORKS
 HIEN PHAM, P.E.

70236

SHEET NO. OF



GENERAL NOTES:
 CP - Indicates Traverse Point
 BP - Indicates Baseline Point
 (TRV) - Indicates Traverse Line
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 I.P. - Indicates Iron Pipe
 I.R. - Indicates Iron Rod
 I.R.C. - Indicates Iron Rod w/cap
 P.I.P. - Indicates Pinch Iron Pipe
 UAG - Indicates UAG Rod
 PC - Indicates Point of Curve
 POC - Indicates Point of Compound Curvature
 PT - Indicates Point of Tangent
 TBM - Indicates Temporary Benchmark
 XXXXX - Indicates Address
 W.L.E. - Indicates Water Line Easement
 U.E. - Indicates Utility Easement
 S.S.E. - Indicates Sanitary Sewer Easement
 S.E. - Indicates Storm Sewer Easement

- NOTES:**
- All bearings and coordinates shown herein are used in the NAD 83 and expressed in the Texas Coordinate System, South Central Zone 4204, NAD 83 (2011), TRV (EPOCH 2010.0000), NAD 83 (G.D. 2012A).
 - All distances shown herein are surface values. All coordinates shown herein are grid values unless otherwise noted. To convert surface values to grid values multiply by the scale factor of 0.9998479682.
 - The right of way shown herein is based on the best available evidence found in the field at the time of the survey coupled with the documents of record in the County Clerk's Office provided by Courthouse Specialist.
 - To convert elevations to TSARP datum, subtract 0.19 feet.

JONES CARTER
 United Engineers, Inc.
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. J.P.-0102

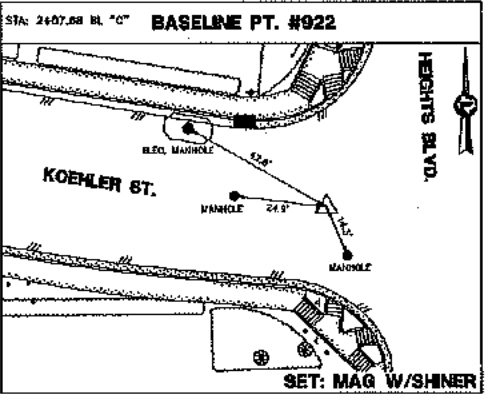
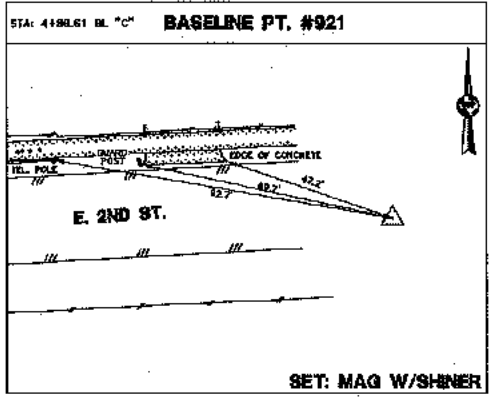
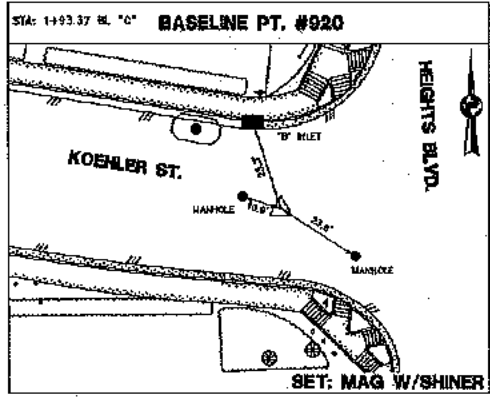
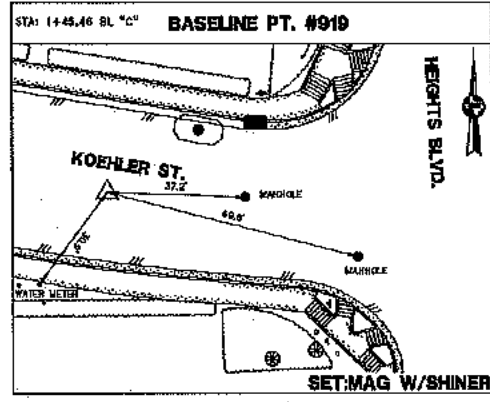
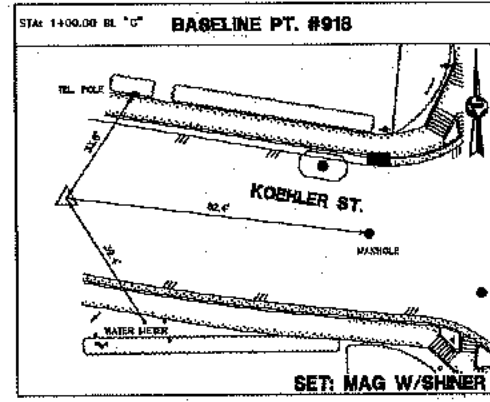
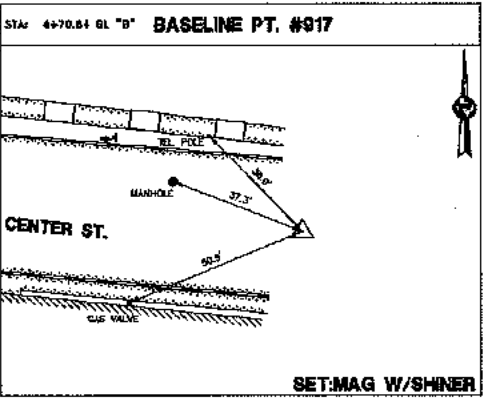
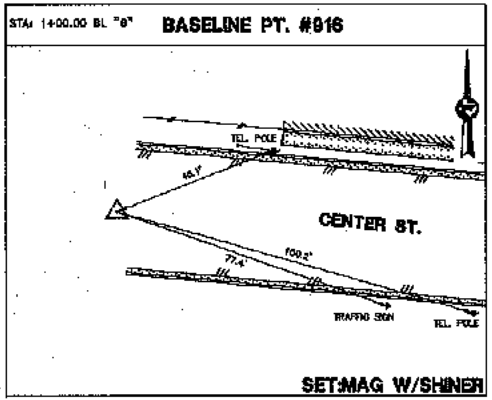
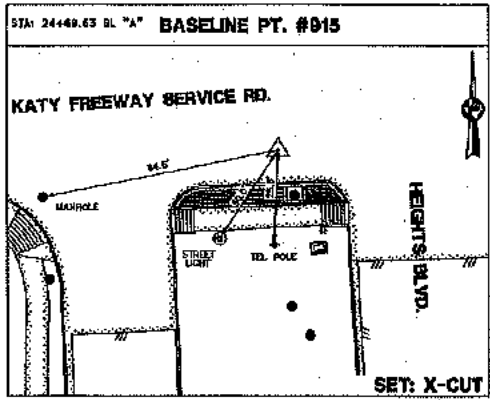
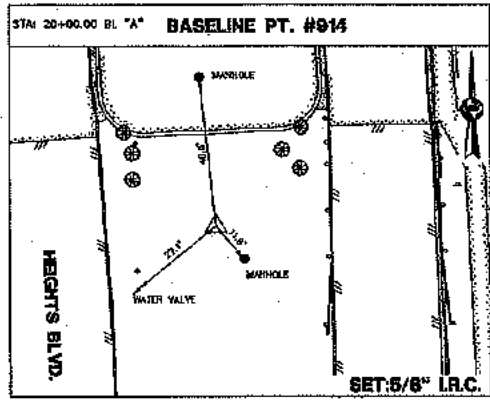
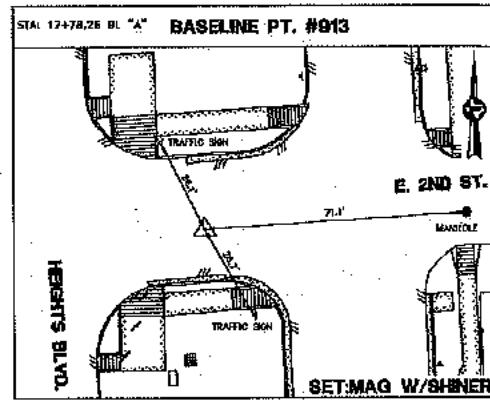
CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

CERTIFICATION:
 I HEREBY CERTIFY THAT: (1) THIS PLAN WAS PREPARED FROM AN ON THE GROUND SURVEY MADE UNDER MY SUPERVISION; (2) THAT THIS PLAN CORRECTLY REPRESENTS THE FACTS FOUND AT THE TIME OF SURVEY; (3) THAT THIS PLAN AND THE SURVEY IT REPRESENTS, CONFORMS TO THE REQUIREMENTS OF THE LAND SURVEYING PRACTICES ACT IN EFFECT AT THE TIME OF THE SURVEY FOR THE TYPE OF PROFESSIONAL SERVICE SO STATED.

TYPE OF PROFESSIONAL SERVICE: TOPOGRAPHIC AND R.O.W. SURVEY
 CHRISTIN H. HOBBS, R.P.L.S. 6207
 DATE: 6-17-20



ACCEPTED & FILED
 (SHEET 2 OF 3)
 N-TOS 6-17-20
 DRAWING SCALE
 V: N/A
 CITY OF HOUSTON PW
 SHEET NO. 0236
 HOUSTON, TEXAS



GENERAL NOTES:
 OP - Indicates Traverse Point
 B.P. Indicates Benchmark Point
 (T.V.) Indicates Traverse Line
 (B.L.) Indicates Baseline Line
 CM Indicates Control Monument
 Fnd. Indicates Found
 RT Indicates Right
 LT Indicates Left
 XG Indicates X Cut
 I.P. Indicates Iron Pipe
 I.R. Indicates Iron Rod
 I.R.C. Indicates Iron Rod w/Cap
 F.I.P. Indicates Finish Iron Pipe
 H.I.C. Indicates H.I.C. Nail
 P.C. Indicates Point of Curve
 P.C.C. Indicates Point of Compound Curvature
 P.T. Indicates Point of Tangent
 T.B.M. Indicates Temporary Benchmark
 #XXXX Indicates Address
 H.L.E. Indicates Water Line Easement
 U.L.E. Indicates Utility Easement
 S.S.E. Indicates Sanitary Sewer Easement
 S.E. Indicates Storm Sewer Easement

- NOTES:**
- All bearings and coordinates shown herein are used to the NSRS and expressed in the Texas Coordinate System, South Central Zone (2011 NAD 83 (2011), NAD (EPOCH 2010, 0000), NAD 83 (20 2012A).
 - All distances shown herein are surface values. All coordinates shown herein are grid values unless otherwise noted. To convert surface values to grid values multiply by the scale factor of 0.999994790502.
 - The right of way shown herein is based on the best available evidence found in the field at the time of the survey coupled with the documents of record in the County Clerk's Office provided by Courtesy Specialist.
 - To convert elevations to TSARP datum, subtract 0.19 feet.

CERTIFICATION:
 I HEREBY CERTIFY THAT: (1) THIS PLAT WAS PREPARED FROM AN ON THE GROUND SURVEY MADE UNDER MY SUPERVISION; (2) THAT THIS PLAT CORRECTLY REPRESENTS THE FACTS FOUND AT THE TIME OF SURVEY; (3) THAT THIS PLAT AND THE SURVEY IT REPRESENTS, CONFORMS TO THE REQUIREMENTS OF THE LAND SURVEYING PRACTICES ACT IN EFFECT AT THE TIME OF THE SURVEY FOR THE TYPE OF PROFESSIONAL SERVICE SO STATED.

TYPE OF PROFESSIONAL SERVICE: TOPOGRAPHIC AND R.O.W. SURVEY
 CHRISTIN M. MORRIS, R.P.L.S. 0207
 DATE: 6-17-20



JONES CARTER
 LEAN BOARD OF PROFESSIONAL ENGINEERS REGISTRATION NO. F-139
 9810 WOODBRIDGE AVENUE, SUITE 350 • HOUSTON, TX 77041 • 713.777.4417

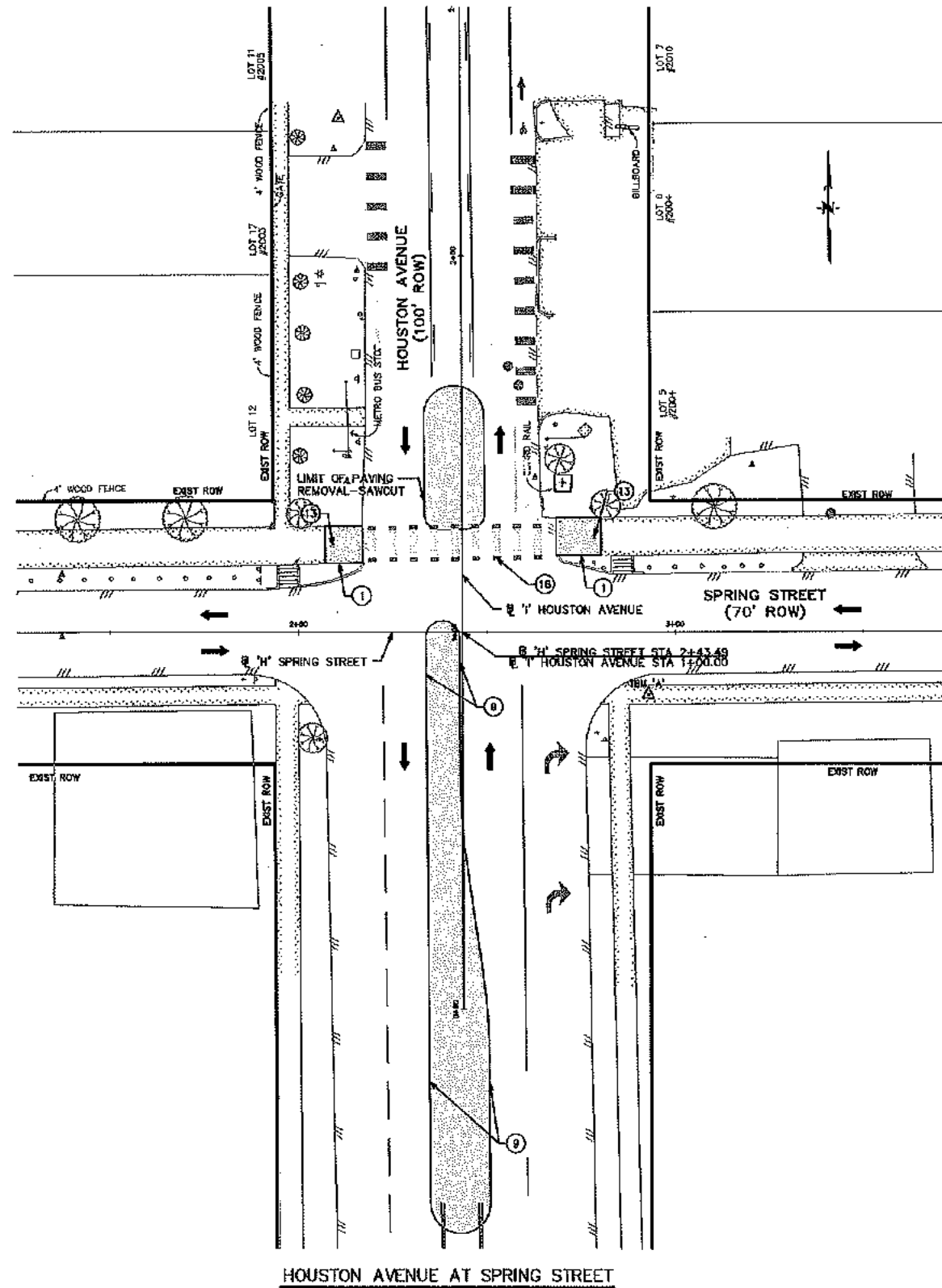
United Engineers, Inc.
 CIVIL ENGINEERING • LAND DEVELOPMENT
 CONSTRUCTION MANAGEMENT
 SURVEYING • UTILITY ENGINEERING
 CONSULTING • DESIGN

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6182

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN &
 BICYCLE SAFETY IMPROVEMENTS PROJECT

WBS NO. N-106000-06-7
 DRAWING SCALE: V: N/A H: N/A
 CITY OF HOUSTON
 HEN PHAM, P.E.
 SHEET NO. OF

70236
 CITY DRAWING UNIT
 HOUSTON, TEXAS



LEGEND

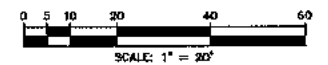
- ▭ DEMOLITION AREA
- ← DIRECTION OF TRAVEL

GENERAL NOTES



- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
- B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
- C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE, MANHOLE, JUNCTION BOXES, CLEAR CUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW FINISH. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
- D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
- F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
- G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DALE TEMPLE AT (832)395-8458 OR DALE.TEMPLE@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.

KEY NOTES

- ① REMOVE CONC S/W
- ② REMOVE STONE/BRICK/CONC PAVEMENT S/W W/ OR W/OUT SUBSLAB
- ③ REMOVE GRAVEL, GRASS, AND/OR SOIL
- ④ REMOVE CONC CURB/CURB AND GUTTER
- ⑤ REMOVE CURB RAMP W/ OR W/OUT TRUNCATED DOME PAVEMENT
- ⑥ REMOVE D/W
- ⑦ REMOVE RAISED CONC PAVEMENT/ISLAND/MEDIAN
- ⑧ REMOVE CONC PAVING AND BASE
- ⑨ REMOVE ASPH PAVING AND BASE
- ⑩ LIMIT OF PAVING REMOVAL - SAWCUT
- ⑪ REMOVE SIGN AND/OR POLE, RETURN TO OWNER
- ⑫ REMOVE STRUCTURE
- ⑬ REMOVE BOLLARD
- ⑭ REMOVE SHRUBS AND/OR PLANTINGS
- ⑮ REMOVE AND RELOCATE FENCE
- ⑯ REMOVE EXIST PAVEMENT MARKING
- ⑰ PROTECT EXIST STREET LIGHT/TRAFFIC SIGNAL/BANNER/TRAFFIC SIGN
- ⑱ PROTECT EXIST FENCE
- ⑲ SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS
- ⑳ PROTECT EXIST TREE OR PLANTING DURING CONSTRUCTION
- ㉑ PROTECT EXIST STRUCTURE
- ㉒ PROTECT EXIST CURB/RETAINING WALL
- ㉓ PROTECT EXIST CONC/PAVER SIDEWALK



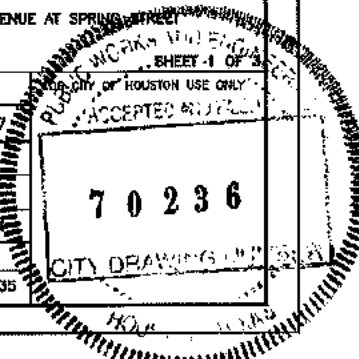
NO.	DATE	REVISIONS	APP.

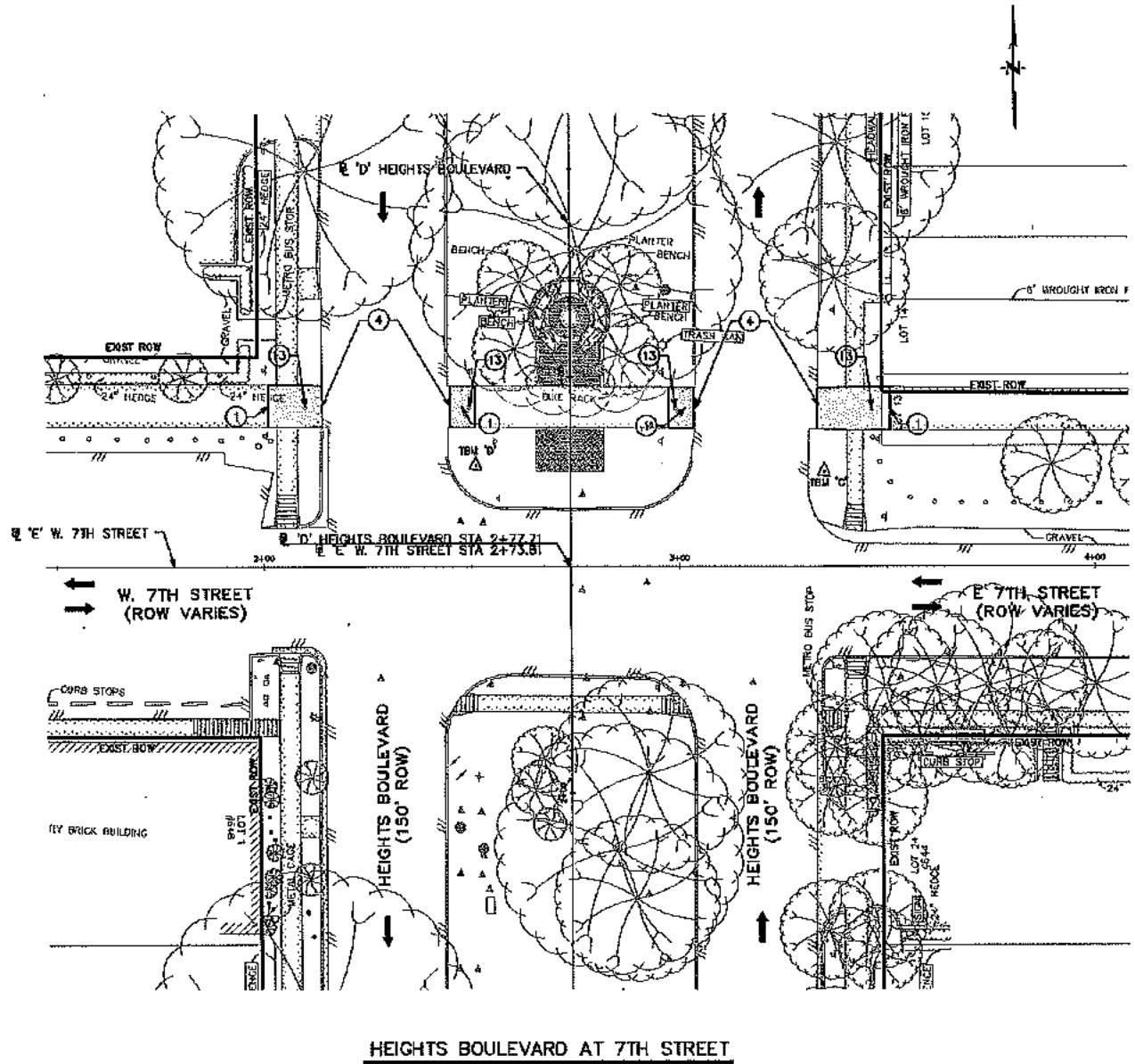



SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN &
 BICYCLE SAFETY IMPROVEMENTS PROJECT
DEMOLITION PLAN
 HOUSTON AVENUE AT SPRING STREET

WBS NUMBER	N-T05000-0006-7
DRAWING SCALE	HORIZ 1" = 20'
CITY OF HOUSTON PROJECT NO.	70236
RAYMOND FONG	CITY DRAWINGS
SHEET NO. 9 OF 35	





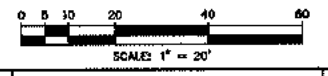
LEGEND
 [Hatched Box] DEMOLITION AREA
 [Arrow] DIRECTION OF TRAVEL

GENERAL NOTES

- SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
- CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
- EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
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- CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
- CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
- CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DALE TEMPLE AT (832)355-8439 OR DALE.TEMPLE@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.

KEY NOTES

- REMOVE CONC 3/4"
- REMOVE STONE/BROCK/CONG PAVER 5/8" W/ OR W/OUT SUBSLAB
- REMOVE GRAVEL, GRASS, AND/OR SOIL
- REMOVE CONC CURB/CURB AND GUTTER
- REMOVE CURB RAMP W/ OR W/OUT TRIRGATED CONCRETE PAVERS
- REMOVE 8/8"
- REMOVE RAISED CONC PAD/ASLANO/MEDIAN
- REMOVE CONC PAVING AND BASE
- REMOVE ASPH PAVING AND BASE
- LIMIT OF PAVING REMOVAL - SAWCUT
- REMOVE SIGN AND/OR POLE, RETURN TO OWNER
- REMOVE STRUCTURE
- REMOVE BOLLARD
- REMOVE SHRUBS AND/OR PLANTINGS
- REMOVE AND RELOCATE FENCE
- REMOVE EXIST PAVEMENT MARKING
- PROTECT EXIST STREET LIGHT/TRAFFIC SIGNAL/BANNER/TRAFFIC SIGN
- PROTECT EXIST FENCE
- SEE PAVEMENT MARKING AND SIGNING PLAN SHEETS
- PROTECT EXIST TREE OR PLANTING DURING CONSTRUCTION
- PROTECT EXIST STRUCTURE
- PROTECT EXIST CURB/RETAINING WALL
- PROTECT EXIST CONC/PAVER SIDEWALK



NO.	DATE	REVISIONS	APP.

JONES GARTER

REGISTERED PROFESSIONAL ENGINEER

90169

11/14/2020

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN &
 BICYCLE SAFETY IMPROVEMENTS PROJECT

DEMOLITION PLAN

HEIGHTS BOULEVARD AT 7TH STREET

WBS NUMBER: N-105000-00007
 DRAWING SCALE: HORIZ. 1" = 20'
 CITY OF HOUSTON: RAYMOND FONG
 SHEET NO. 10 OF 10



ACCEPTED

70236

CITY DRAWING

HEIGHTS BOULEVARD AT 7TH STREET

LEGEND

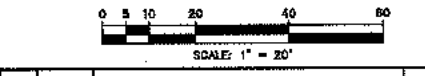
-  DEMOLITION AREA
-  DIRECTION OF TRAVEL

GENERAL NOTES

- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
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- C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
- D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
- F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
- G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTER DALE TEMPLE AT (832)395-8489 OR DALE.TEMPLE@HOUSTONTX.GOV PRIOR TO WORK AROUND TREES.


KEY NOTES

- 1 REMOVE CONC S/W
- 2 REMOVE STONE/BRICK/CONC PAVR S/W W/ OR W/OUT SUBSLAB
- 3 REMOVE GRAVEL, GRASS, AND/OR SOIL
- 4 REMOVE CONC CURB/CURB AND GUTTER
- 5 REMOVE CURB RAMP W/ OR W/OUT TRUNCATED DOME PAVERS
- 6 REMOVE D/W
- 7 REMOVE RAISED CONC PAD/ISLAND/MEDIUM
- 8 REMOVE CONC PAVING AND BASE
- 9 REMOVE ASPH PAVING AND BASE
- 10 LIMIT OF PAVING REMOVAL - SAWCUT
- 11 REMOVE SIGN AND/OR POLE, RETURN TO OWNER
- 12 REMOVE STRUCTURE
- 13 REMOVE BOLLARD
- 14 REMOVE SHRUBS AND/OR PLANTINGS
- 15 REMOVE AND RELOCATE FENCE
- 16 REMOVE EXIST PAVEMENT MARKING
- 17 PROTECT EXIST STREET LIGHT/TRAFFIC SIGNAL/BANNER/TRAFFIC SIGN
- 18 PROTECT EXIST FENCE
- 19 SEE PAVEMENT MARKING AND SHOWING PLAN SHEETS
- 20 PROTECT EXIST TREE OR PLANTING DURING CONSTRUCTION
- 21 PROTECT EXIST STRUCTURE
- 22 PROTECT EXIST CURB/RETAINING WALL
- 23 PROTECT EXIST CONC/PAVER SIDEWALK



NO.	DATE	REVISIONS	APP.

JONES CARTER
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FE NO. P-6162

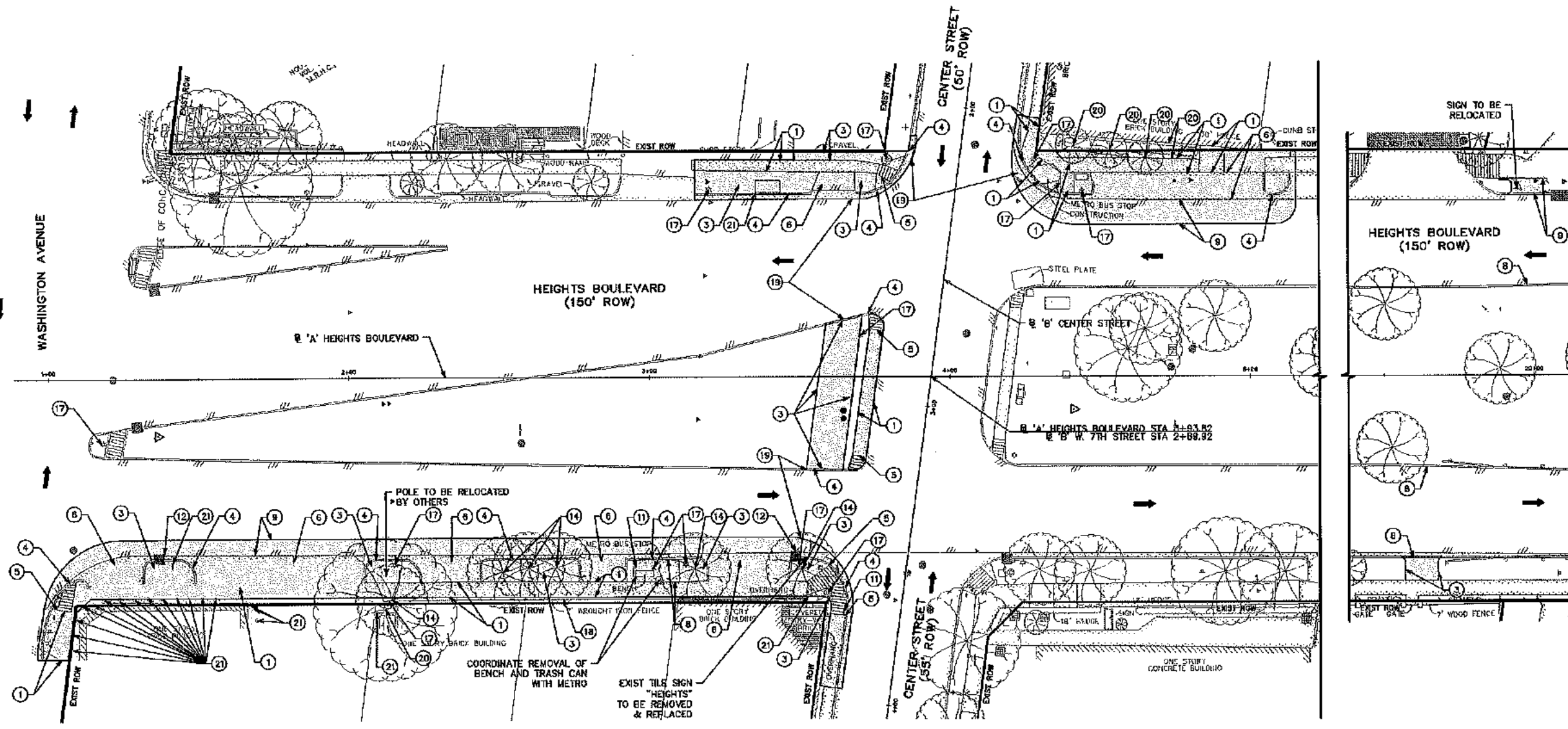
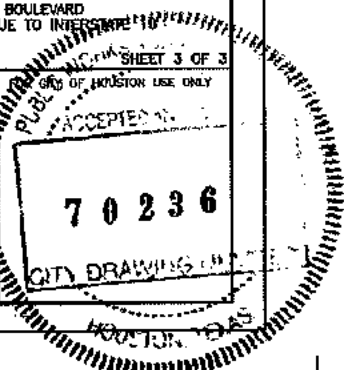


CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

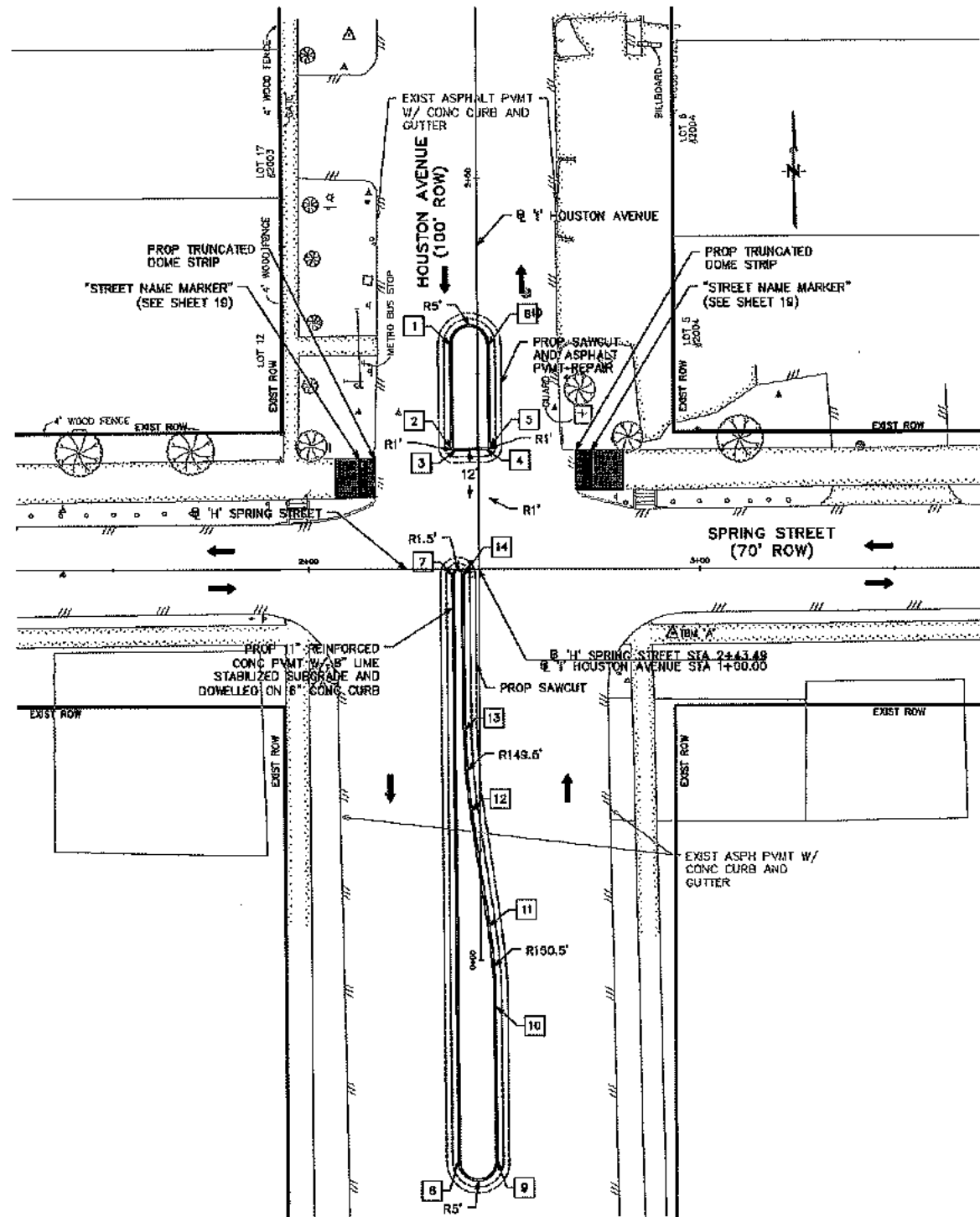
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
DEMOLITION PLAN

HEIGHTS BOULEVARD
 WASHINGTON AVENUE TO INTERSECTION WITH CENTER STREET

WBS NUMBER	N-T05000-0006-7
DRAWING SCALE	HORIZ. 1" = 20'
CITY OF HOUSTON PM	RAYMOND FONG
SHEET NO. 11 OF 35	



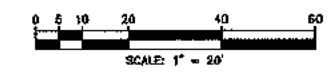
HEIGHTS BOULEVARD FROM WASHINGTON AVENUE TO CENTER STREET



POINT	STATION	OFFSET
1	1+57.00	7.07 RT
2	1+51.15	6.85 LT
3	1+30.10	5.88 LT
4	1+20.25	2.11 RT
5	1+10.50	3.06 RT
6	1+57.55	2.93 RT
7	2+16.74	1.51 RT
8	2+27.31	351.53 RT
9	2+47.31	151.67 RT
10	2+67.16	111.95 RT
11	2+85.63	91.10 RT
12	2+91.83	61.72 RT
13	2+99.83	61.05 RT
14	2+107.74	1.95 RT

- LEGEND**
- PROP 10 FOOT SHEARED USE PATH
 - 4" REINFORCED CONC OVER 2" COMPACTED SAND
 - PROP DRIVEWAY (SEE DRIVEWAY TABULATION SHEET)
 - STATION AND OFFSET (SEE THIS SHEET)

- GENERAL NOTES**
- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
 - C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
 - D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
 - E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ALL IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTER DALE TEMPLE AT (832)365-8459 OR DALE.TEMPLE@HOUSTONTX.GOV PRIOR TO WORK AROUND TREES.



NOTICE
 FOR YOUR SAFETY, YOU ARE REMINDER BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

Date: 11/23/20
 Signature: [Signature]
 CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not be used for conflict verification.
 Signature valid for six months.

Date: 11/23/20
 Signature: [Signature]
 CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.
 (This signature verifies existing underground facilities - not to be used for conflict verification).
 Signature valid for six months.

Date: 12/18/20
 Signature: [Signature]
 Approved for AT&T Texas SIBT underground conduit facilities ONLY
 Signature valid for one year.

NO.	DATE	REVISIONS	APP.

JONES CARTER

UNITED ENGINEERS, INC.
 FB NO. P-6162

STATE OF TEXAS
PROFESSIONAL ENGINEER
KRISTEN HILL HEARNINGS
 50169
 LICENSED
 12/18/20

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
 PLAN

HOUSTON AVENUE AT SPRING STREET

WBS NUMBER: N-105000-0008

DRAWING SCALE: HORIZ. 1" = 20'

CITY OF HOUSTON: RAYMOND FONG

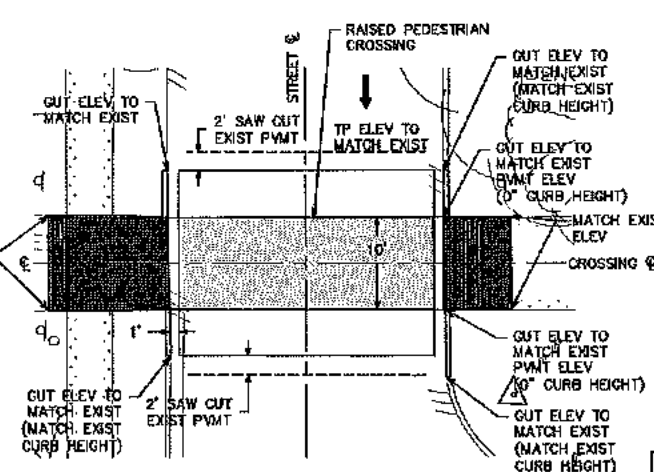
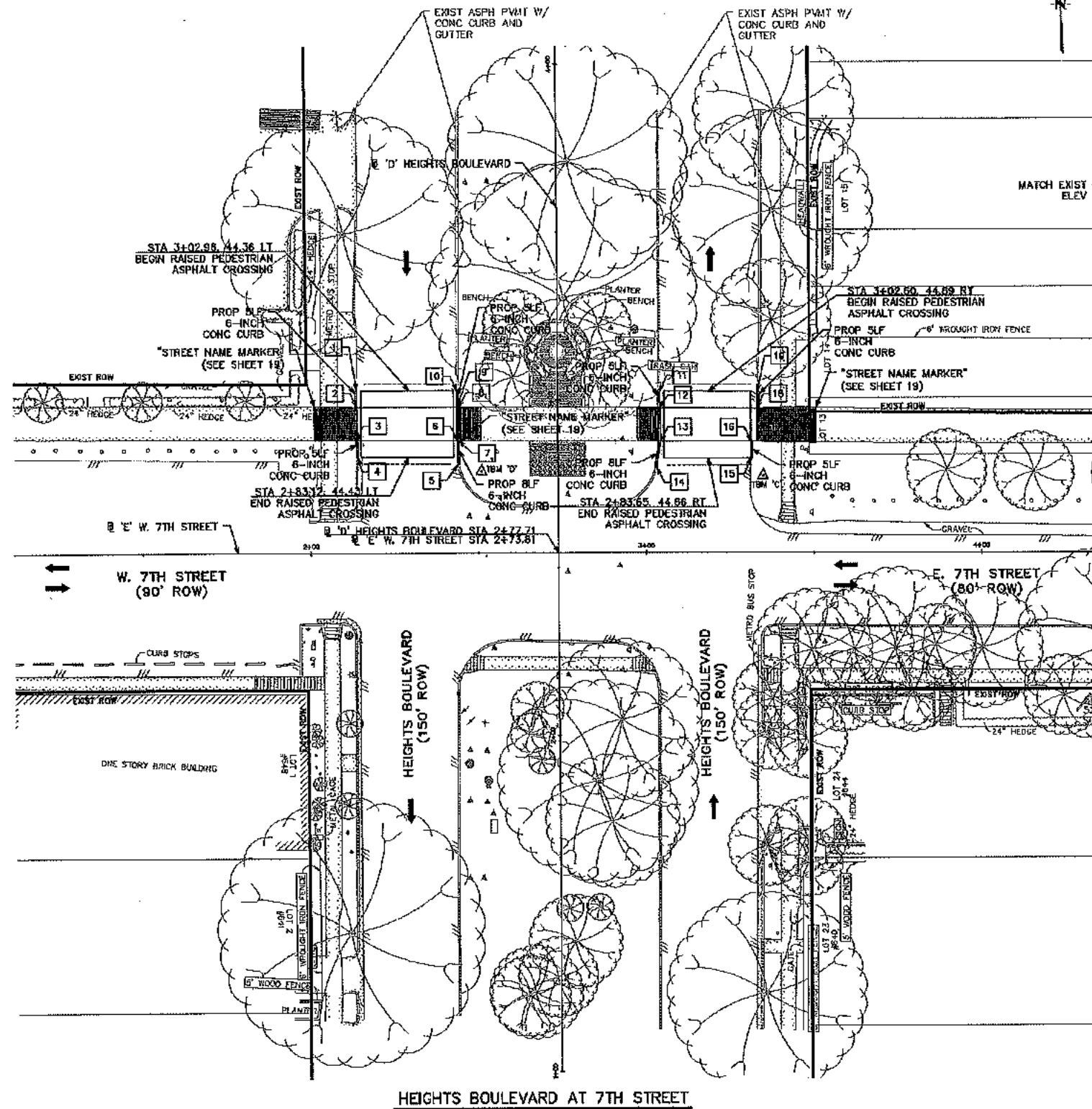
SHEET NO. 12 OF

ACCEPTED FOR CITY OF HOUSTON USE ONLY

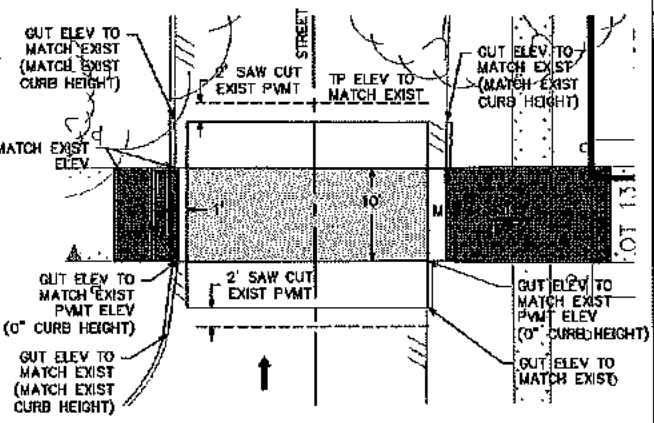
70236

CITY DRAWING NUMBER

FOR PROPOSED PAVEMENT MARKING, SEE SHEETS 23-32



HEIGHTS BOULEVARD SOUTH BOUND
RAISED PEDESTRIAN CROSSING GRADING PLAN



HEIGHTS BOULEVARD NORTH BOUND
RAISED PEDESTRIAN CROSSING GRADING PLAN

POINT	STATION	OFFSET
1	3402.98	59.78 LT
2	2497.98	59.79 LT
3	2488.17	59.60 LT
4	2488.17	59.51 LT
5	2480.83	79.95 LT
6	2443.81	33.60 LT
7	2488.04	29.49 LT
8	2497.95	29.58 LT
9	2443.73	49.51 LT
10	3402.95	30.07 LT
11	3402.70	30.31 RT
12	2497.70	30.29 RT
13	2487.68	30.57 RT
14	2479.79	79.47 RT
15	2462.62	57.45 RT
16	3331.27	33.18 LT
17	2487.62	59.37 RT
18	2497.50	59.35 RT
19	3402.50	59.54 RT

FOR PROPOSED PAVEMENT
MARKING, SEE SHEETS 23-32

- LEGEND**
- ▨ PROP 10 FOOT SHARED USE PATH
 - (X) PROP DRIVEWAY (SEE DRIVEWAY TABULATION SHEET)
 - (X) STATION AND OFFSET (SEE THIS SHEET)
- GENERAL NOTES**
- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
 - C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
 - D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
 - E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTER DAVE TEMPLE AT (832)395-8439 OR DAVID.TEMPLE@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.

NOTICE:
FOR YOUR SAFETY, YOU ARE REMOVED BY TEXAS LAW TO CALL 911 AT LEAST AN HOUR BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MAINTAINED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 911.

VERIFICATION OF PRIVATE UTILITY LINES

CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not to be used for conflict verification.

Signature valid for six months.

CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.

(This signature verifies existing underground facilities - not to be used for conflict verification)

Signature valid for six months.

Approved for AT&T Texas SWBT underground conduit facilities ONLY

Signature valid for one year.

NO. DATE REVISIONS APP.

JONES CARTER
KREITEN JIM HENNING
80160
LICENSED PROFESSIONAL ENGINEER

SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO. P-6162

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

PLAN
HEIGHTS BOULEVARD
AT
7TH STREET

WBS NUMBER
N-105000-0006

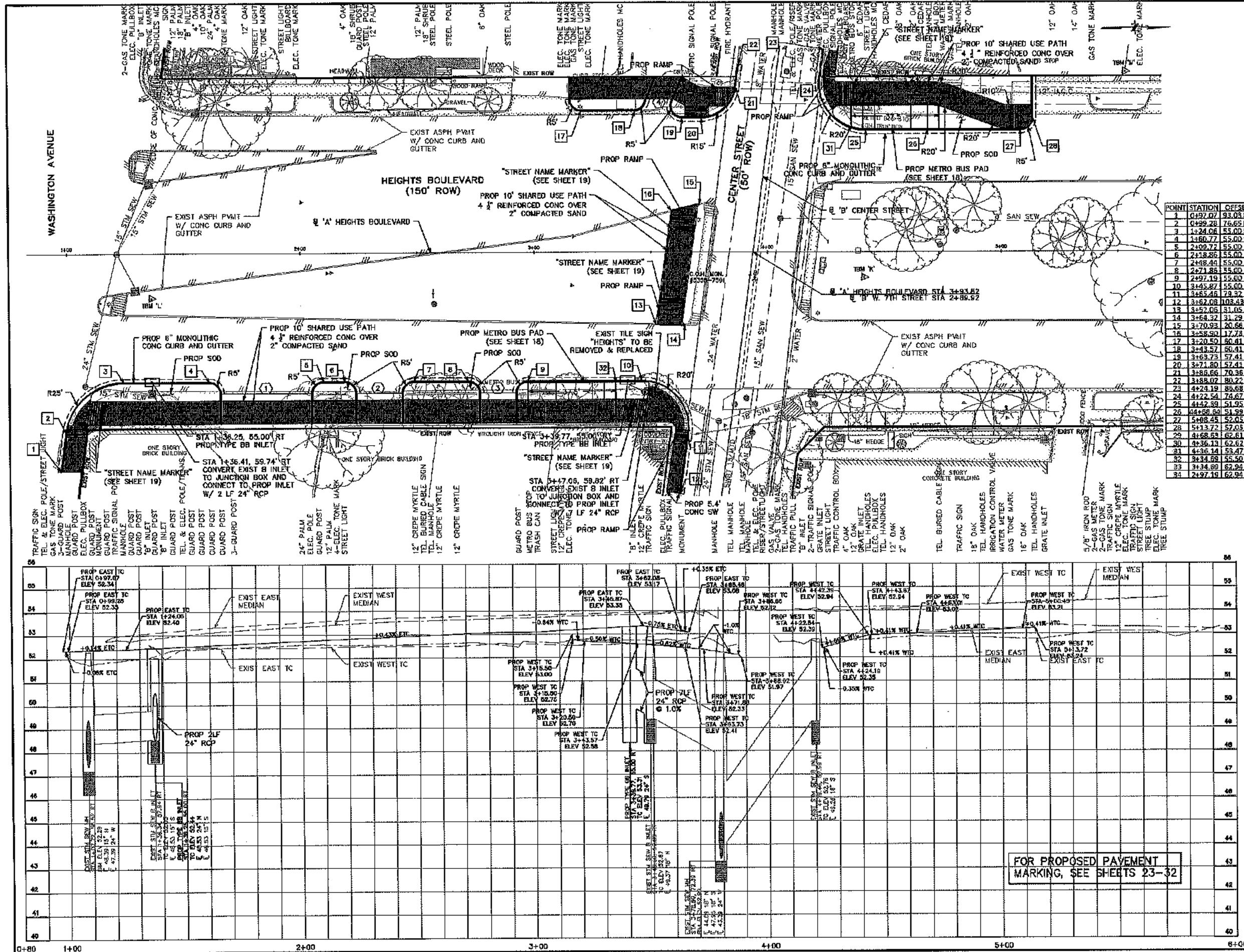
DRAWING SCALE
HORIZ. 1" = 20'

CITY OF HOUSTON
RAYMOND FONG

SHEET NO. 13 OF 35

70236

CITY DRAWING UNIT



LEGEND

- PROPOSED 10 FOOT SHARED USE PATH
- PROPOSED DRIVEWAY (SEE DRIVEWAY TABULATION SHEET)
- STATION AND OFFSET (SEE THIS SHEET)

GENERAL NOTES

- SCOPE OF WORK INDICATED WITH SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
- CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
- EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION. UNLESS NOTED OTHERWISE, ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
- CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
- CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
- CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DATE TEMPLATE AT (832)395-8400 OR DATE.TEMPLATE@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DO SO THAT UNDERGROUND LINES CAN BE MARKED. WE SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES

CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not to be used for conflict verification.

CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.
(This signature verifies existing underground facilities - not to be used for conflict verification).

Signature valid for six months.

Date: 12/19/20

Approved for AT&T Texas SWBT underground conduit facilities ONLY
Signature valid for one year.

POINT	STATION	OFFSET
1	0+92.07	93.03 RT
2	0+99.28	76.65 RT
3	1+24.06	55.00 RT
4	1+60.77	55.00 RT
5	2+09.77	55.00 RT
6	2+18.86	55.00 RT
7	2+48.44	55.00 RT
8	2+71.86	55.00 RT
9	2+97.19	55.00 RT
10	3+45.87	55.00 RT
11	3+55.45	79.32 RT
12	3+52.08	108.49 RT
13	3+52.08	51.05 RT
14	3+58.32	31.29 RT
15	3+70.83	20.56 LT
16	3+58.90	17.73 LT
17	3+20.50	60.41 LT
18	3+43.57	60.41 LT
19	3+63.73	57.41 LT
20	3+71.80	57.41 LT
21	3+86.66	70.36 LT
22	3+88.07	80.22 LT
23	4+24.19	86.68 LT
24	4+22.54	74.67 LT
25	4+42.89	51.95 LT
26	4+59.69	51.95 LT
27	5+08.45	52.03 LT
28	5+13.72	57.03 LT
29	5+68.63	62.61 LT
30	5+36.13	62.61 LT
31	4+36.14	53.47 LT
32	3+34.68	55.00 RT
33	3+34.85	62.94 RT
34	2+97.19	62.94 RT

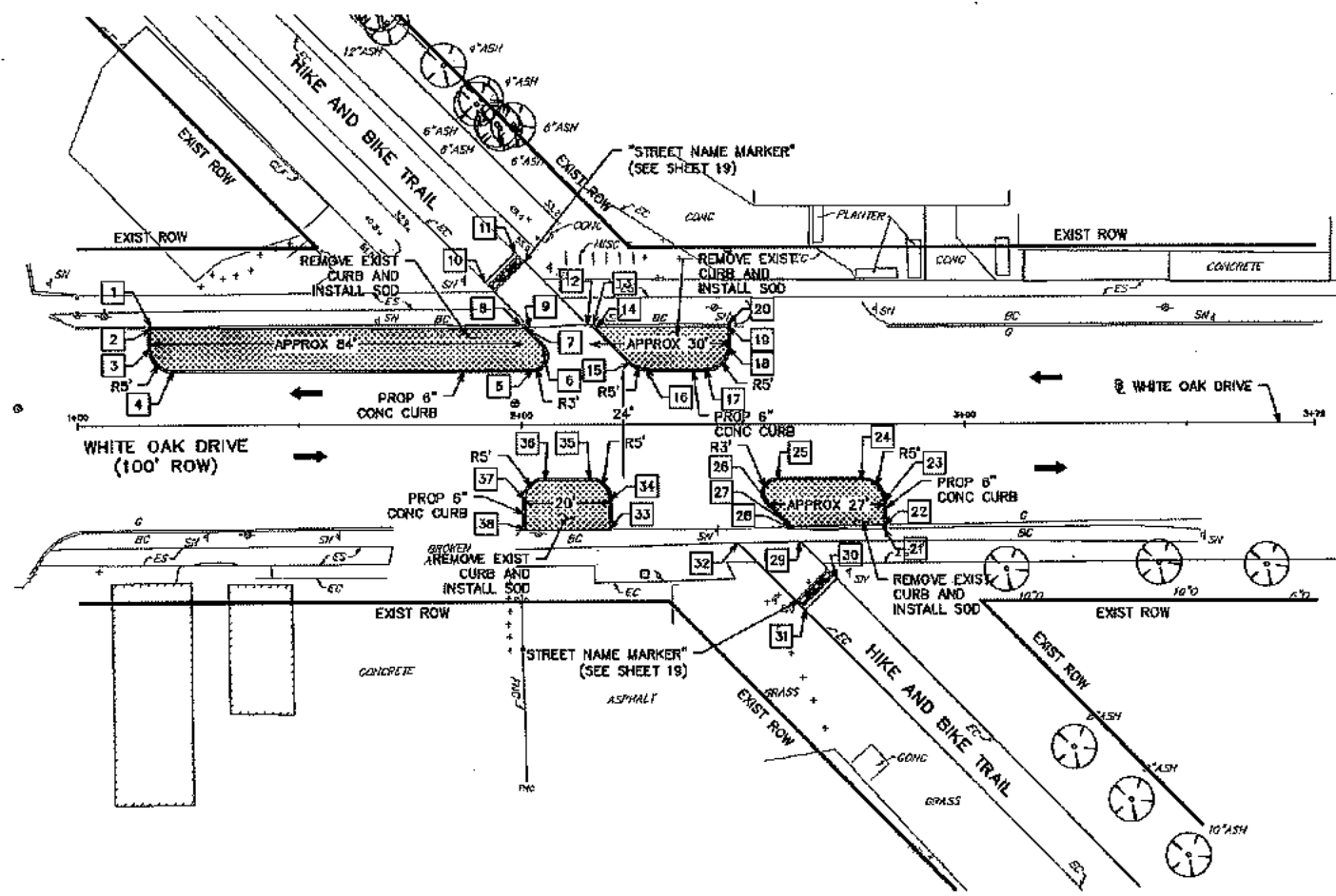
JONES BARTER
Professional Engineer
KIRSTEN JILL HENNING
00169 LICENSED ENGINEER
Kirsten Henning

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
PLAN AND PROFILE
HEIGHTS BOULEVARD
STA 1+00 TO STA 6+00

WBS NUMBER: N-T05000-0006-7
DRAWING SCALE: VERT. 1"=2' HORIZ. 1"=40'
CITY OF HOUSTON PROJECT: RAYMOND FONG
SHEET NO. 14 OF 35

FOR PROPOSED PAYMENT MARKING, SEE SHEETS 23-32

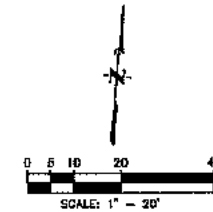
ACCEPTED
70236
CITY DRAWING
HOUSTON, TEXAS



WHITE OAK DRIVE AT HEIGHTS HIKE AND BIKE TRAIL

- LEGEND**
- PROP TO FOOT SHARED USE PATH
 - PROP SOODING
 - PROP DRIVEWAY (SEE DRIVEWAY TABULATION SHEET)
 - STATION AND OFFSET (SEE THIS SHEET)

- GENERAL NOTES**
- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
 - C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE, VALVES, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
 - D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
 - E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTER DALE TEMPLE AT (832)369-8459 OR DALE.TEMPLE@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.



POINT	STATION	OFFSET
1	1+16.70	22.43 LT
2	1+16.70	21.95 LT
3	1+16.70	17.50 LT
4	1+21.20	17.50 LT
5	2+02.67	12.50 LT
6	2+04.83	17.58 LT
7	2+09.92	21.65 LT
8	2+00.10	22.51 LT
9	2+02.08	21.89 LT
10	1+91.28	32.07 LT
11	1+28.81	38.91 LT
12	2+15.00	22.56 LT
13	2+18.37	22.59 LT
14	2+17.97	21.88 LT
15	2+24.75	14.01 LT
16	2+28.83	12.50 LT
17	2+41.81	12.50 LT
18	2+48.81	17.52 LT
19	2+46.80	22.02 LT
20	2+46.79	22.69 LT
21	2+81.68	23.50 RT
22	2+81.68	22.67 RT
23	2+83.68	17.50 RT
24	2+76.68	12.50 RT
25	2+57.76	12.50 RT
26	2+55.61	17.60 RT
27	2+60.99	22.99 RT
28	2+61.51	23.63 RT
29	2+62.82	26.41 RT
30	2+71.01	34.80 RT
31	2+63.98	41.95 RT
32	2+48.75	26.77 RT
33	2+20.27	23.55 RT
34	2+20.27	17.00 RT
35	2+15.27	12.00 RT
36	2+05.27	12.00 RT
37	2+00.27	17.00 RT
38	2+00.27	23.79 RT

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.

VERIFICATION OF PRIVATE UTILITY LINES		
NO.	DATE	REVISIONS
1	11/10/2021	
2	11/18/2021	

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6182

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
 PLAN AND PROFILE
 WHITE OAK DRIVE
 STA 1+00 TO STA 3+79

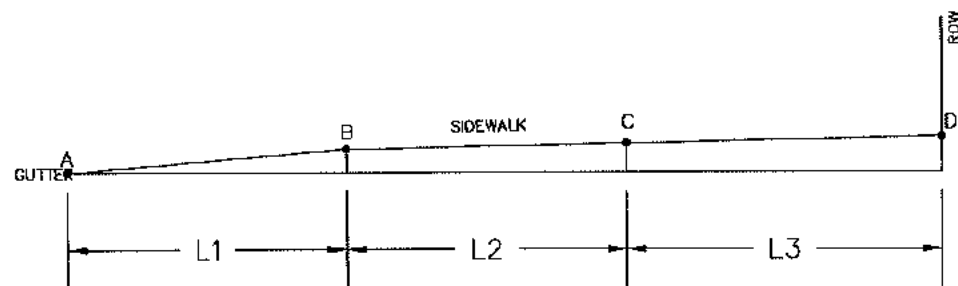
WBS NUMBER: N-705000-0008-7
 DRAWING SCALE: VERT. 1"=2' HORIZ. 1"=20'
 CITY OF HOUSTON PM: RAYMOND FONG
 SHEET NO. 18 OF 35

FOR PROPOSED PAVEMENT MARKING, SEE SHEETS 23-32

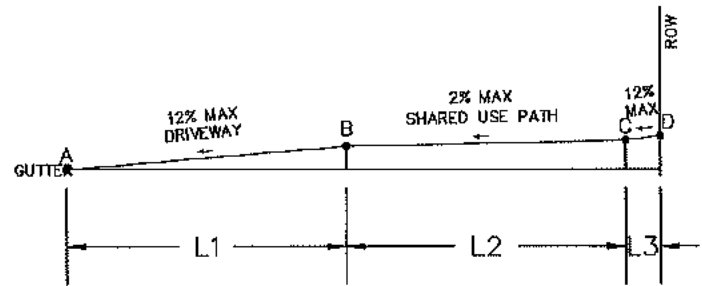
PUBLIC WORKS DEPARTMENT
 ACCEPTED AND FILED
 70236
 CITY DRAWING NUMBER
 HOUSTON, TEXAS

HEIGHTS BOULEVARD DRIVEWAY TABULATION

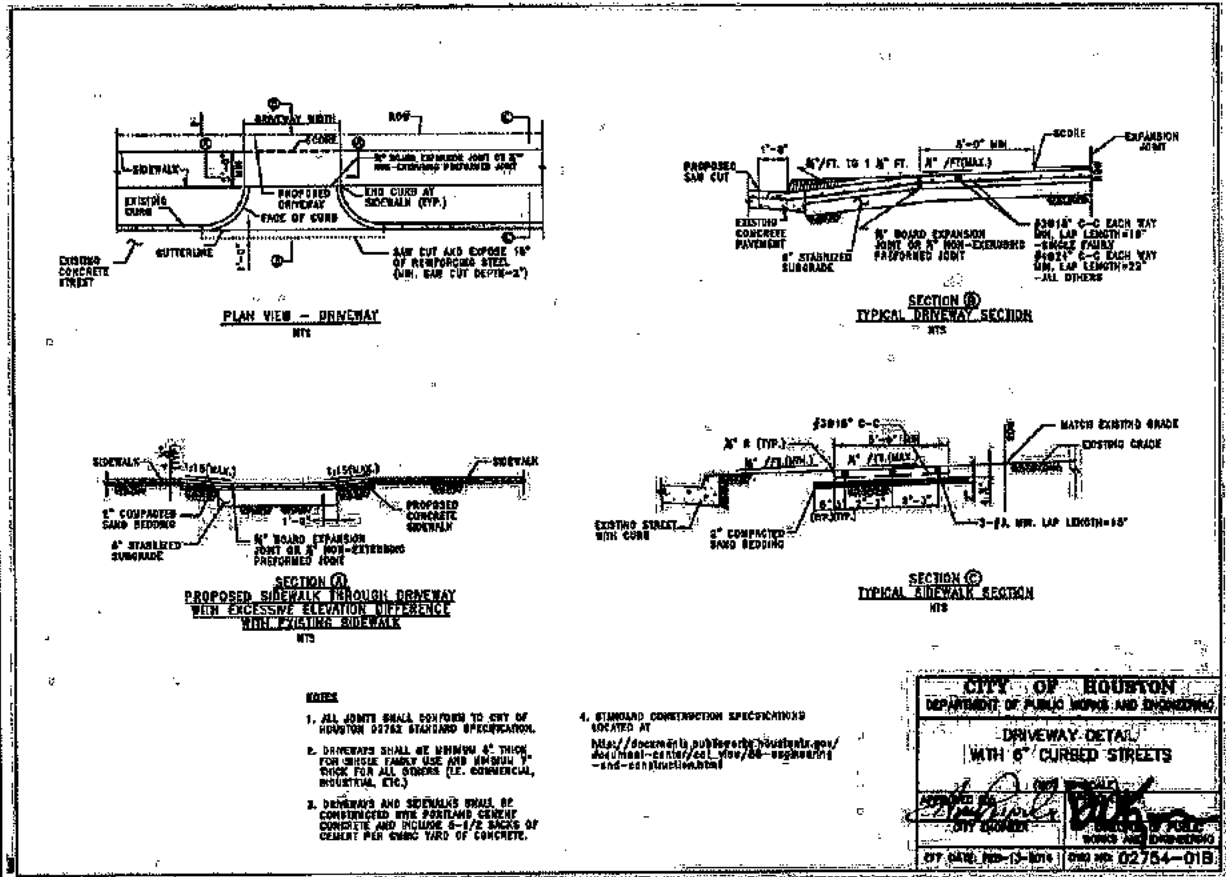
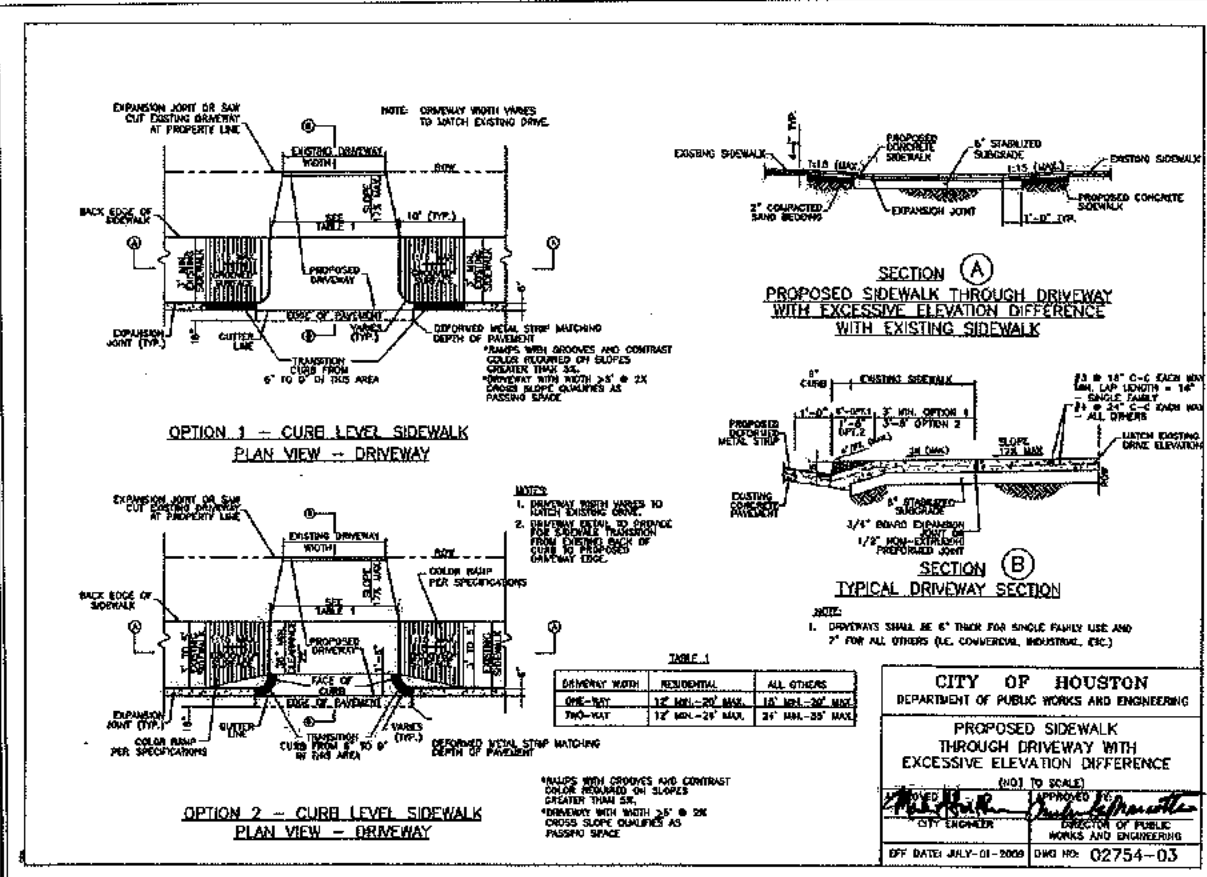
D/W REF #	D/W CENTERLINE STATION & OFFSET	EXISTING											PROPOSED													
		GUT ELEV (A)	L1 (FT)	L1 SLOPE (%)	DOWNSTREAM S/W ELEV (B)	L2 (FT)	L2 SLOPE (%)	UPSTREAM S/W ELEV (C)	L3 (FT)	L3 SLOPE (%)	ROW ELEV (D)	OVERALL D/W LENGTH (FT)	OVERALL D/W SLOPE (%)	WIDTH (FT)	GUT ELEV (A)	L1 (FT)	L1 SLOPE (MAX 12%)	DOWNSTREAM SHARED USE PATH ELEV (B)	L2 (FT)	L2 SLOPE (MAX 2%)	UPSTREAM SHARED USE PATH ELEV (C)	L3 (FT)	L3 SLOPE (MAX 12%)	ROW ELEV (D)	OVERALL D/W LENGTH (FT)	OVERALL D/W SLOPE (%)
1	HEIGHTS 1+85.25, 55.00' RT	51.97	7.88	6.35%	52.47	5.00	1.60%	52.55	2.00	12.50%	52.80	14.88	5.58%	40.00	52.16	8.00	6.75%	52.70	10.00	0.75%	52.78	2.00	1.25%	52.80	20.00	3.20%
2	HEIGHTS 2+33.65, 55.00' RT	52.24	7.27	6.05%	52.68	5.00	5.40%	52.95	2.00	2.50%	53.00	15.45	4.92%	20.00	52.37	8.00	4.75%	52.75	10.00	2.00%	52.95	2.00	2.50%	53.00	20.00	3.15%
3	HEIGHTS 2+84.52, 55.00' RT	52.63	7.99	4.63%	53.00	5.00	5.00%	53.25	2.00	5.00%	53.35	14.99	4.80%	16.00	52.59	8.00	4.87%	52.98	10.00	2.00%	53.18	2.00	8.50%	53.35	20.00	3.80%
4	HEIGHTS 3+54.07, 60.41' LT	52.23	7.00	11.71%	53.05	3.85	0.78%	53.08	3.00	3.00%	53.17	13.85	6.79%	12.00	52.08	6.65	11.58%	52.85	6.00	2.00%	52.97	2.00	10.00%	53.17	14.65	7.44%
		DRIVEWAY RAMP			SIDEWALK			RAMP TO ROW						DRIVEWAY RAMP			SHARED USE PATH			RAMP TO ROW						



EXISTING DRIVEWAY



PROPOSED DRIVEWAY



NO.	DATE	REVISIONS	APP.

JONES DARTER
SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO. P-6182

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
DRIVEWAY TABULATION

WBS NUMBER
N-T05000-0006-7

DRAWING SCALE
N/S

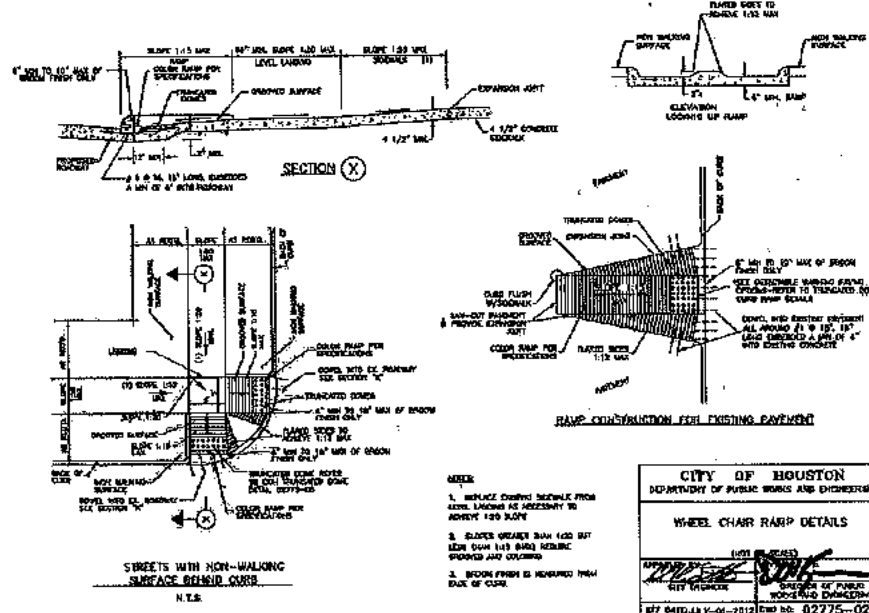
CITY OF HOUSTON PM
RAYMOND FONG

SHEET NO. 16 OF 35

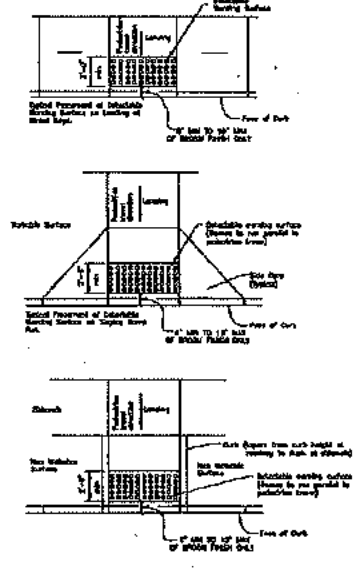
STATE OF TEXAS
KRISTEN HILL HERRINGS
SU180
PROFESSIONAL ENGINEER
LICENSED
05/2012

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
DRIVEWAY DETAIL
WITH 6" CURBED STREETS

70236
CITY DRAWING
HOUSTON, TEXAS



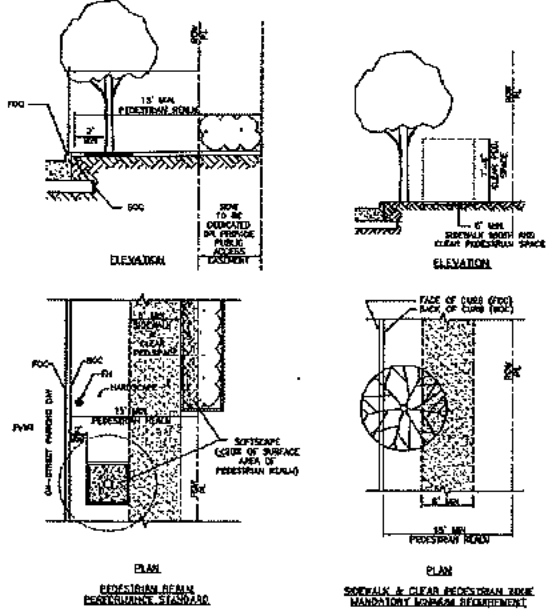
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
WHEEL CHAIR RAMP DETAILS
(NOT TO SCALE)
BY DATE: JULY-01-2012 DWG NO: 02775-02



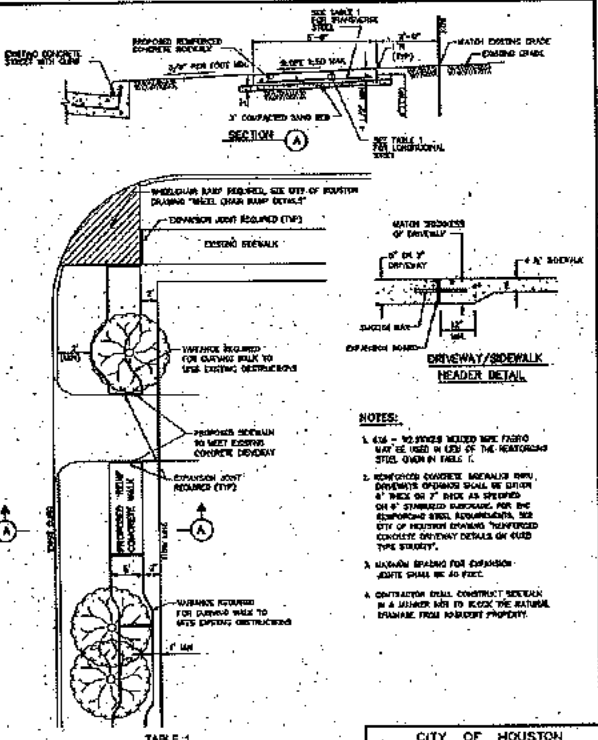
GENERAL NOTES FOR DETECTABLE WARNINGS

1. DETECTABLE WARNING SURFACES SHALL BE DAILY MAINTAINED.
2. ALL NEW CURB RAMP DETAIL SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND THE ADA REGULATIONS (28 CFR 36.401-36.405) AND THE ADA TECHNICAL ASSISTANCE MANUAL (28 CFR 36.401-36.405).
3. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND THE ADA REGULATIONS (28 CFR 36.401-36.405) AND THE ADA TECHNICAL ASSISTANCE MANUAL (28 CFR 36.401-36.405).
4. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND THE ADA REGULATIONS (28 CFR 36.401-36.405) AND THE ADA TECHNICAL ASSISTANCE MANUAL (28 CFR 36.401-36.405).
5. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND THE ADA REGULATIONS (28 CFR 36.401-36.405) AND THE ADA TECHNICAL ASSISTANCE MANUAL (28 CFR 36.401-36.405).
6. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND THE ADA REGULATIONS (28 CFR 36.401-36.405) AND THE ADA TECHNICAL ASSISTANCE MANUAL (28 CFR 36.401-36.405).
7. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND THE ADA REGULATIONS (28 CFR 36.401-36.405) AND THE ADA TECHNICAL ASSISTANCE MANUAL (28 CFR 36.401-36.405).
8. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AND THE ADA REGULATIONS (28 CFR 36.401-36.405) AND THE ADA TECHNICAL ASSISTANCE MANUAL (28 CFR 36.401-36.405).

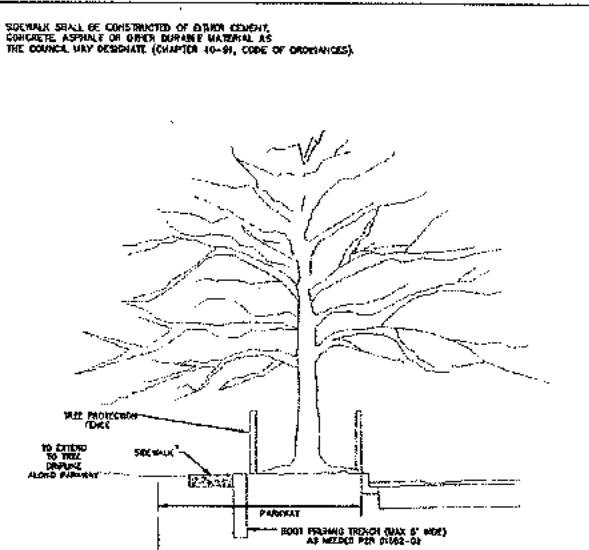
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
DETECTABLE WARNING CURB RAMP DETAILS
(NOT TO SCALE)
BY DATE: JULY-01-2012 DWG NO: 02775-01



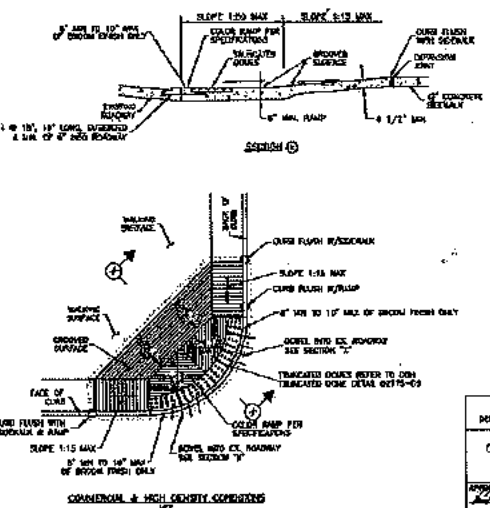
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
SIDEWALKS AND CLEAR ZONE TRANSIT CORRIDOR STREET
(NOT TO SCALE)
BY DATE: JULY-01-2012 DWG NO: 02775-06



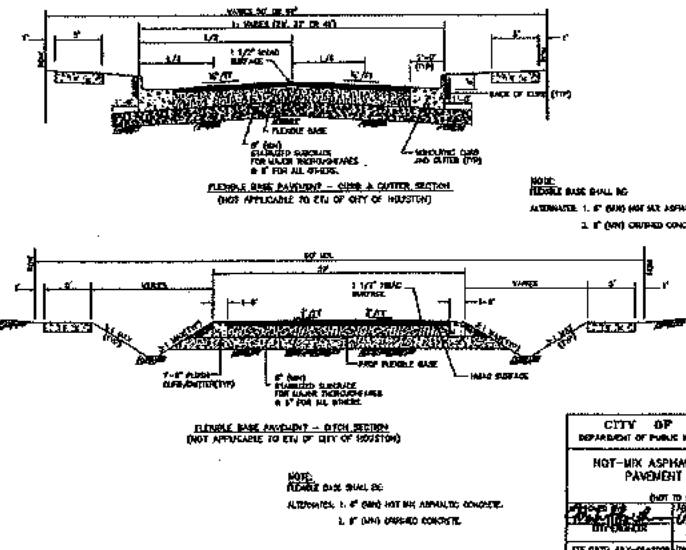
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CONCRETE SIDEWALK DETAILS FOR STREETS WITH CURBS
(NOT TO SCALE)
BY DATE: JULY-01-2012 DWG NO: 02775-01



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
TREE PROTECTION IN PARKWAY AREAS
(NOT TO SCALE)
BY DATE: JULY-01-2012 DWG NO: 01562-03



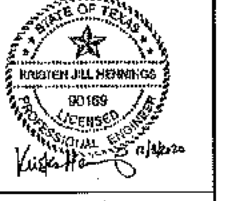
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
COMMERCIAL CURB RAMP DETAIL
(NOT TO SCALE)
BY DATE: JULY-01-2012 DWG NO: 02775-05



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
HOT-MIX ASPHALTIC CONCRETE PAVEMENT DETAILS
(NOT TO SCALE)
BY DATE: JULY-01-2012 DWG NO: 02741-01

NO.	DATE	REVISIONS	APP.

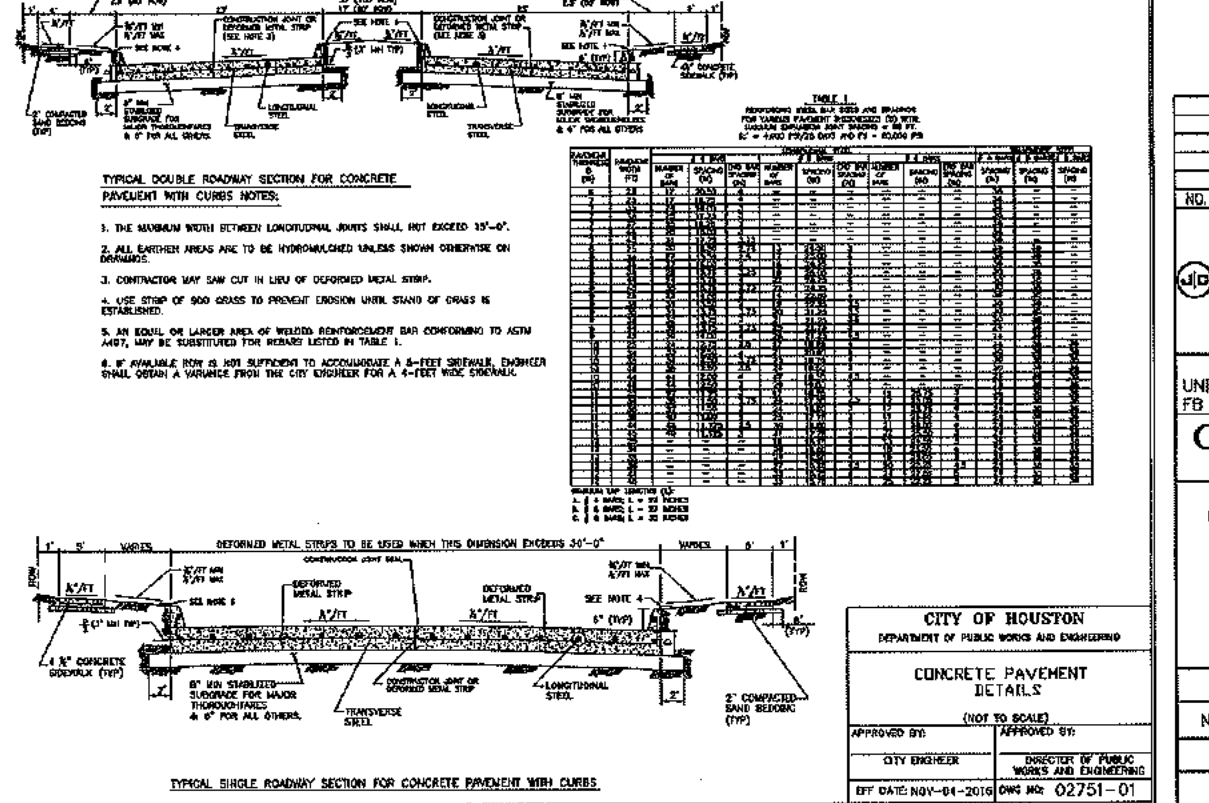
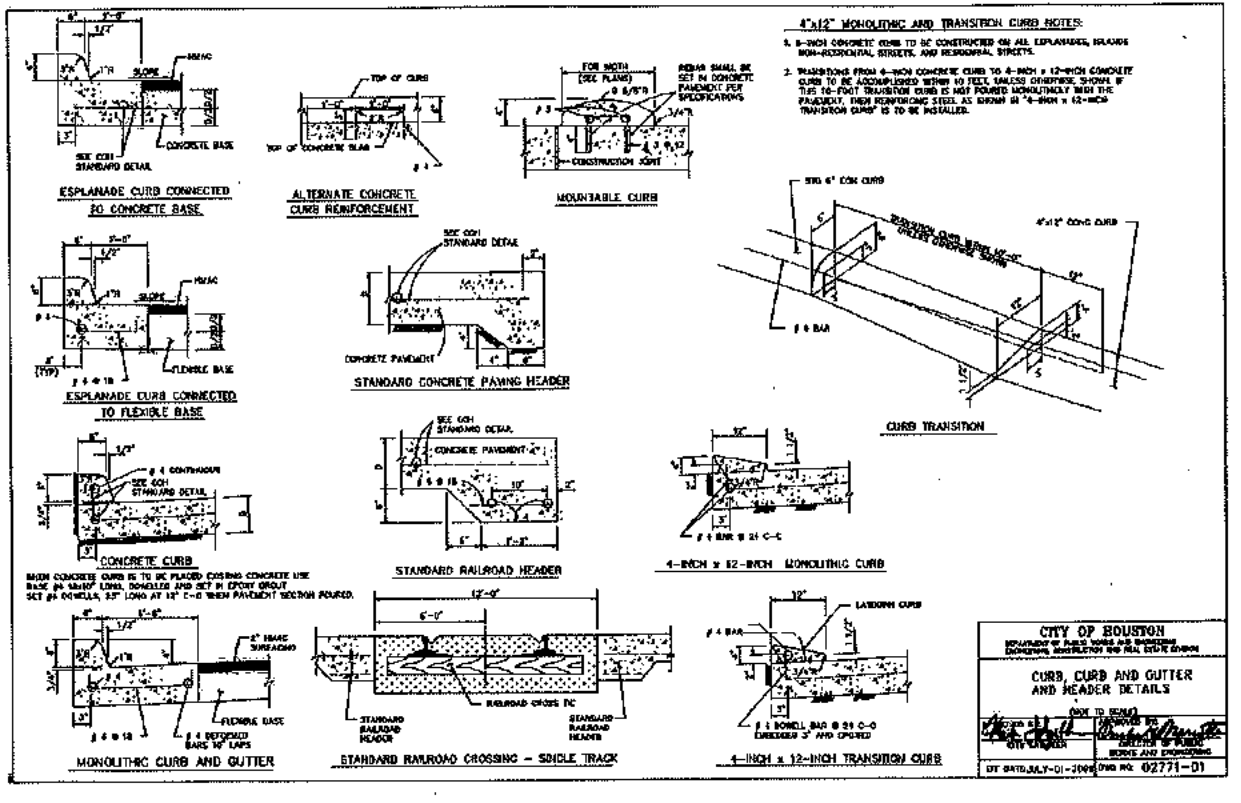
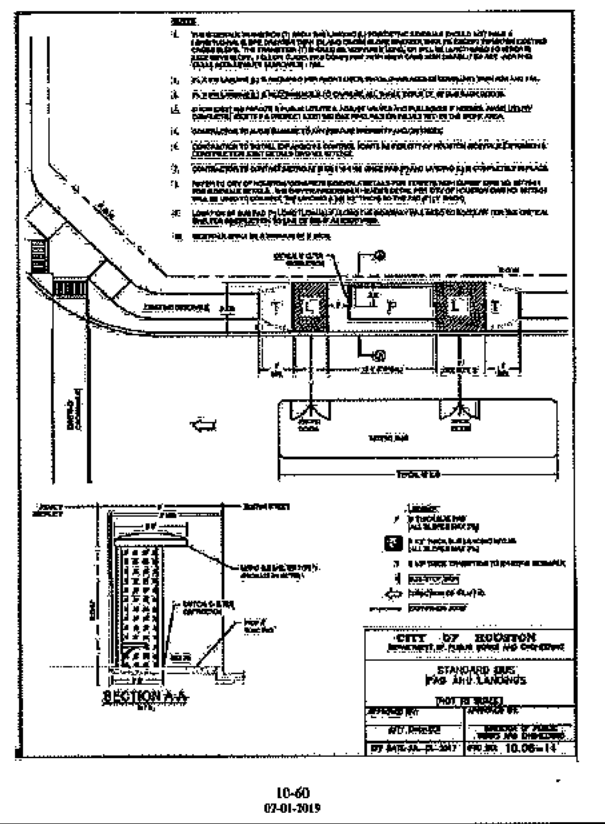
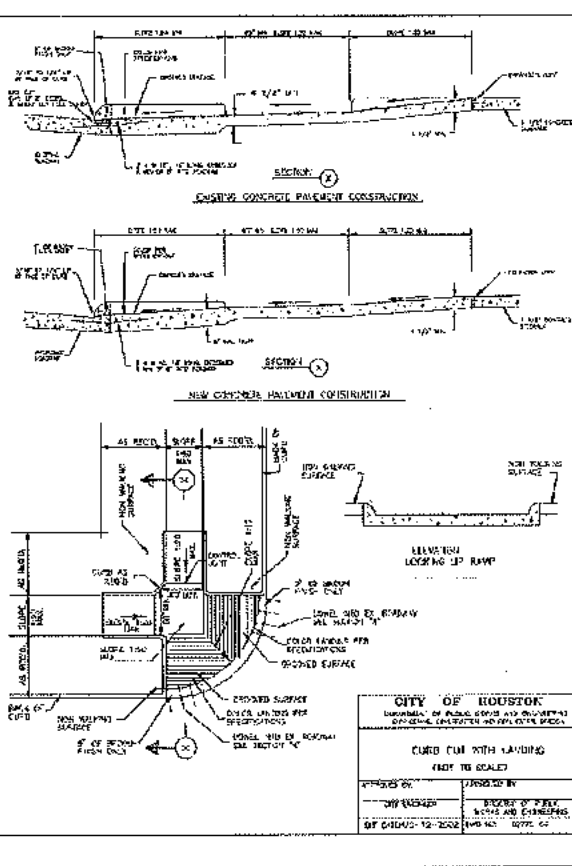
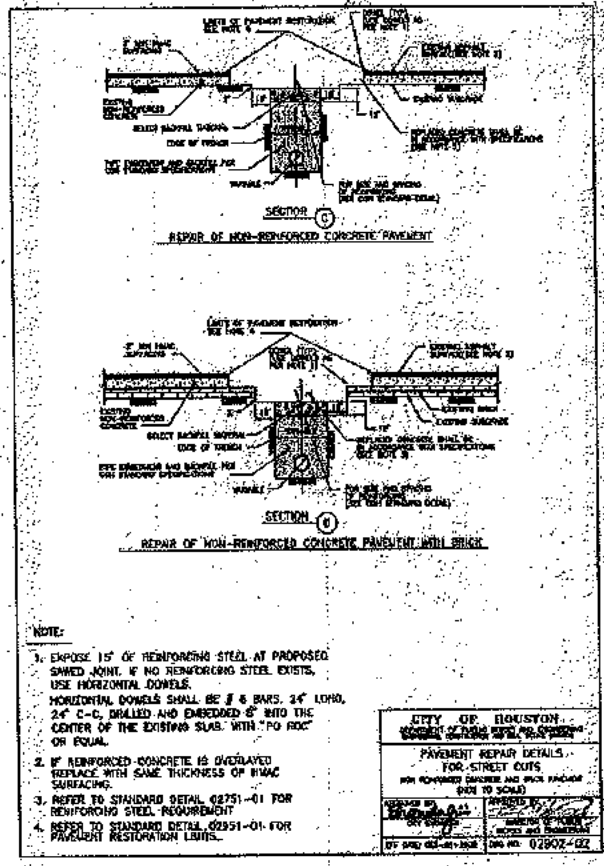
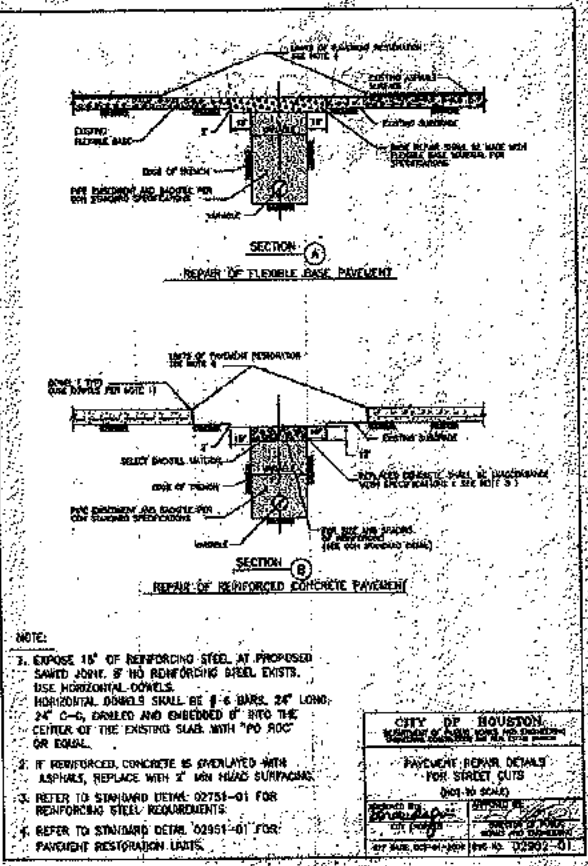
JONES CARTER
SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO. P-6182



CITY OF HOUSTON
HOUSTON PUBLIC WORKS
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
STANDARD DETAILS

WBS NUMBER: N-T05000-0008-7
DRAWING SCALE: NTS
CITY OF HOUSTON PROJECT: RAYMOND FONG
SHEET NO. 17 OF 35

70236
CITY DRAWING NUMBER
HOUSTON, TEXAS



NO.	DATE	REVISIONS	APP.

JONES CARTER

STATE OF TEXAS
KATHLEEN ALBA HERRING
90169
PROFESSIONAL ENGINEER

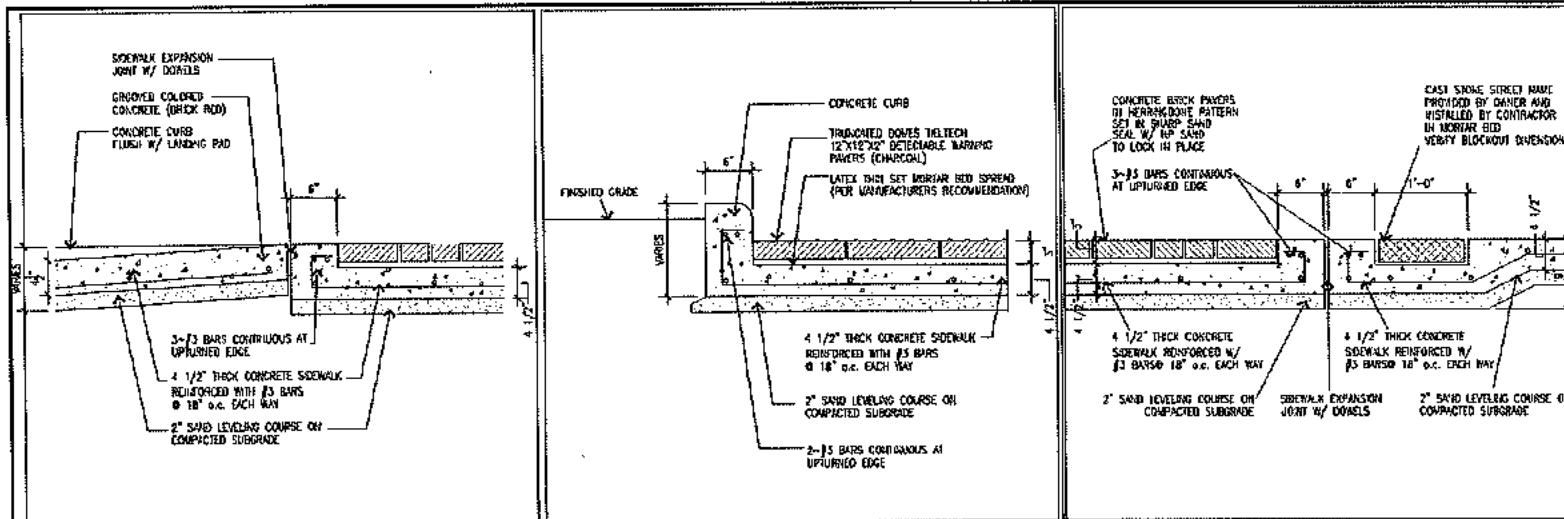
SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO. P-6162

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
STANDARD DETAILS

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CONCRETE PAVEMENT DETAILS
(NOT TO SCALE)
APPROVED BY: [Signature]
DATE: [Date]
BY: [Signature]
DATE: [Date]

WBS NUMBER: N-105000-0006-7
DRAWING SCALE: NTS
CITY OF HOUSTON PUBLIC WORKS AND ENGINEERING
RAYMOND FONG
SHEET NO. 18 OF 30

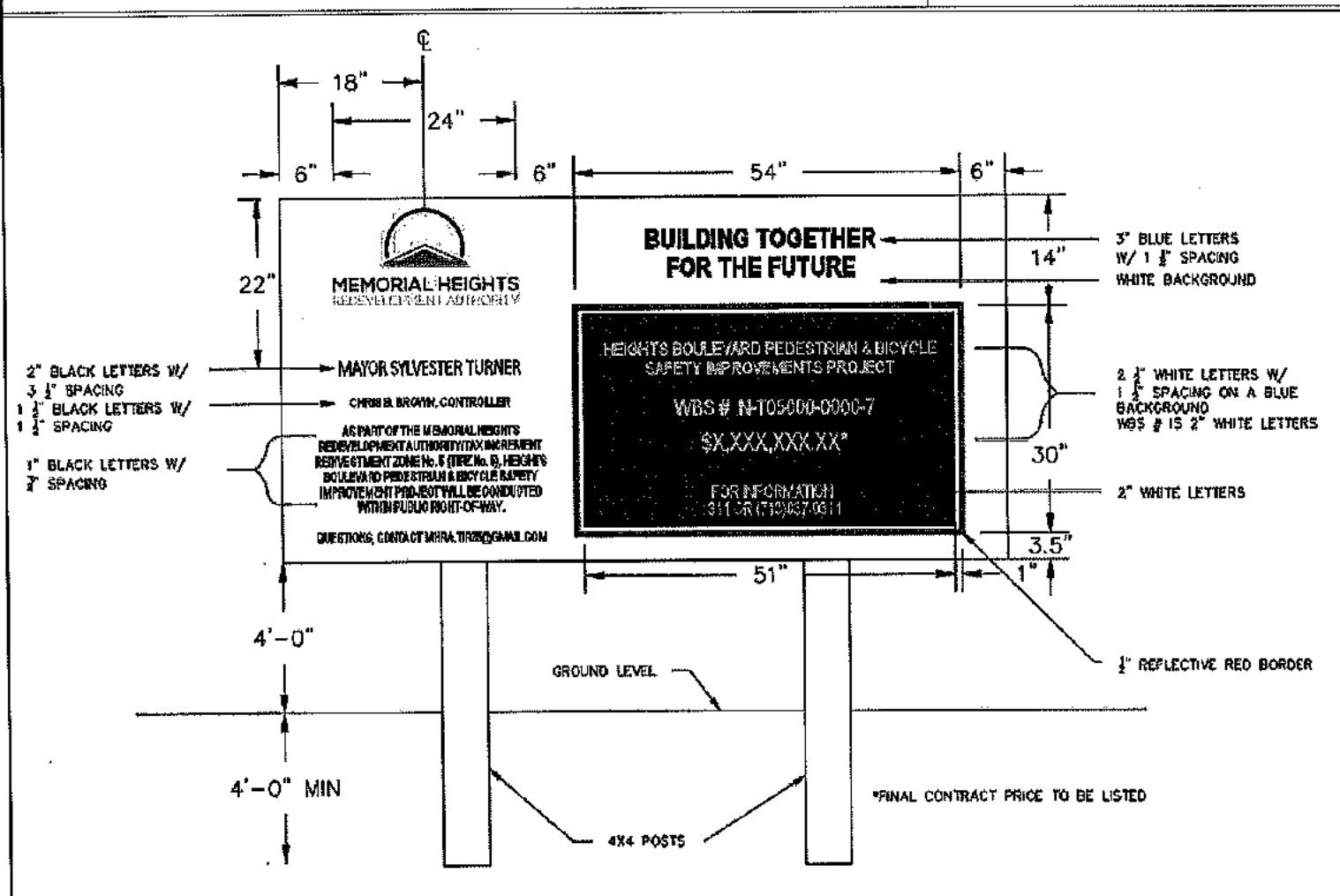
70236
CITY DRAWING NUMBER



1 Ramp / Landing Connection
1" = 1'-0"

2 Truncated Dome Edge
1" = 1'-0"

3 Street Name Marker
1" = 1'-0"



NO.	DATE	REVISIONS	APP.

JONES BARTER

PROFESSIONAL ENGINEER

80169

STATE OF TEXAS

WHISTEN JILL HEINRIGS

PROFESSIONAL ENGINEER

80169

STATE OF TEXAS

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

STANDARD DETAILS

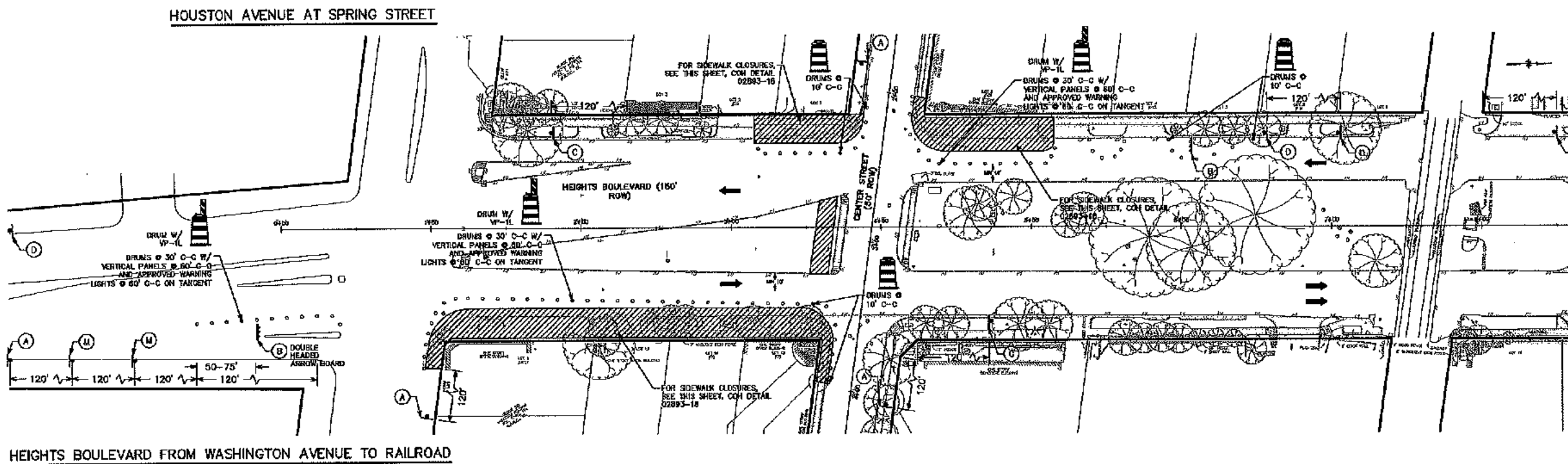
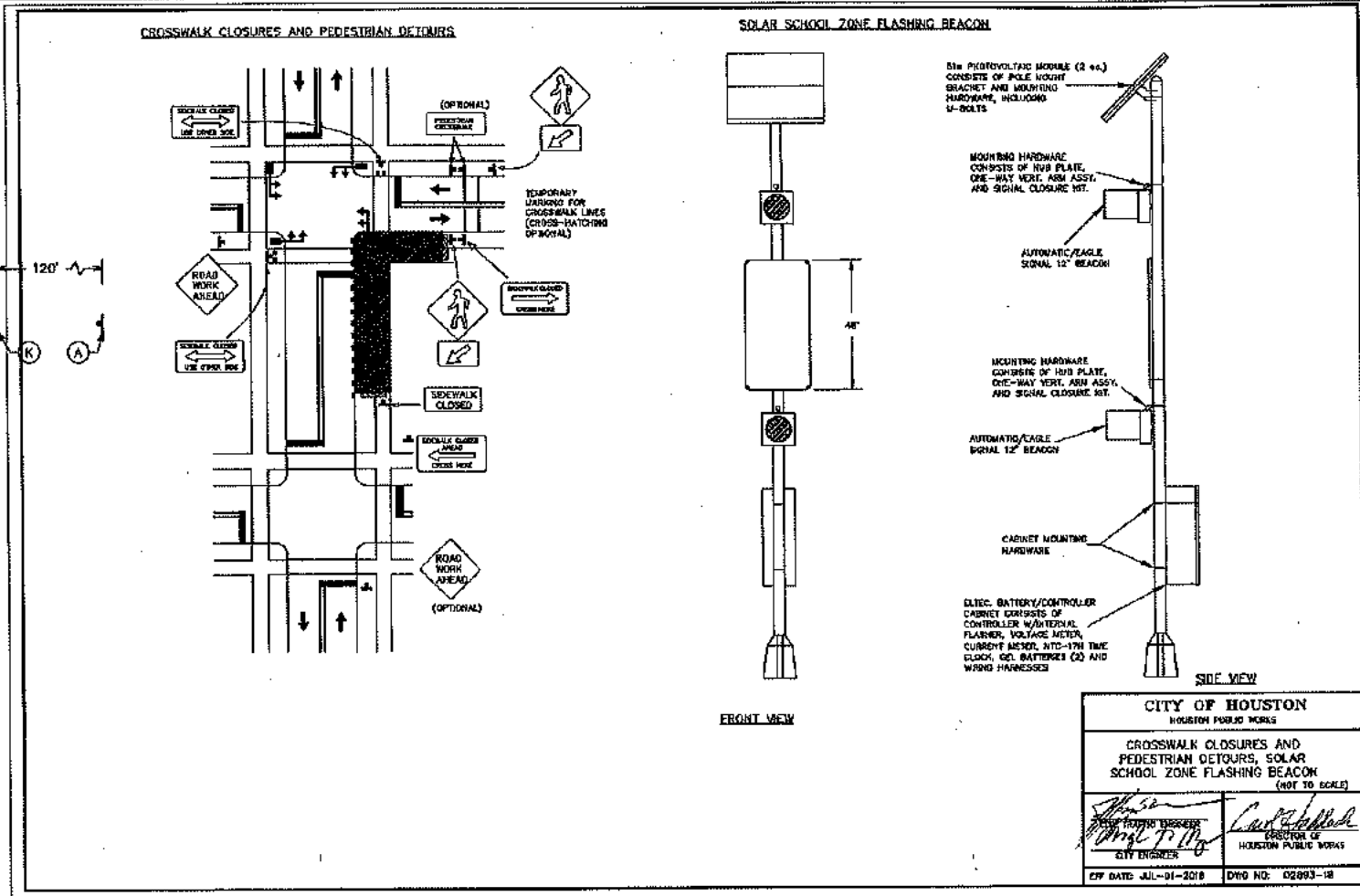
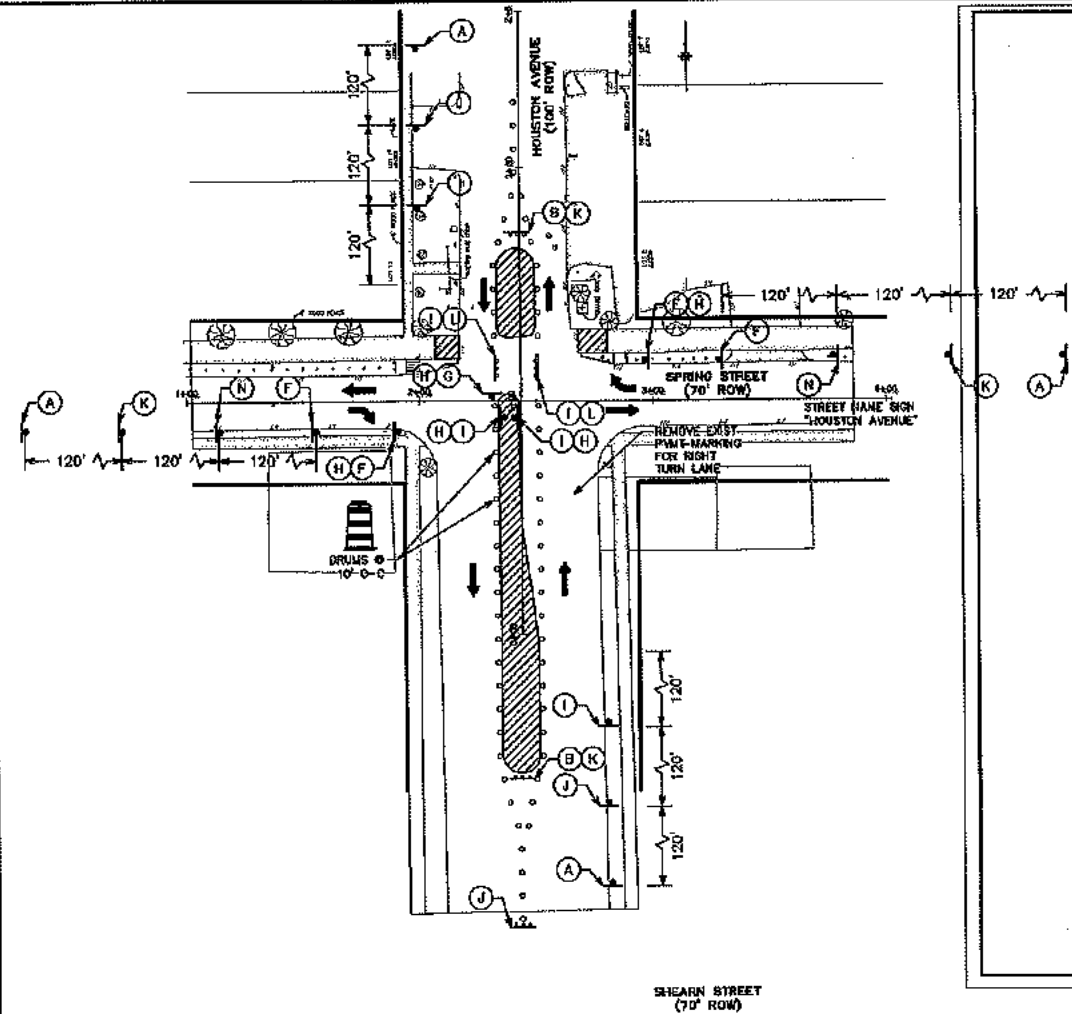
WBS NUMBER: N-105000-0000-7

DRAWING SCALE: NTS

CITY OF HOUSTON PROJECT: RAYMOND FONG

SHEET NO. 19 OF 35

SHEET 3 OF 3
 PUBLIC WORKS
 CITY OF HOUSTON USE ONLY
 ACCEPTED BY:
70236
 CITY ENGINEER
 HOUSTON, TEXAS



0 10 20 40 60 80 100
 SCALE: 1" = 40'

NO.	DATE	REVISIONS	APP.

JONES BARTER
 WRITER WILL HENNINGSON
 90169
 LICENSED PROFESSIONAL ENGINEER

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

TRAFFIC CONTROL PLAN
 OVERALL LAYOUT PLAN

WBS NUMBER
 N-105000-0006

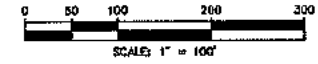
DRAWING SCALE
 HORIZ. 1" = 40'

CITY OF HOUSTON
 RAYMOND FONG

SHEET NO. 20 OF

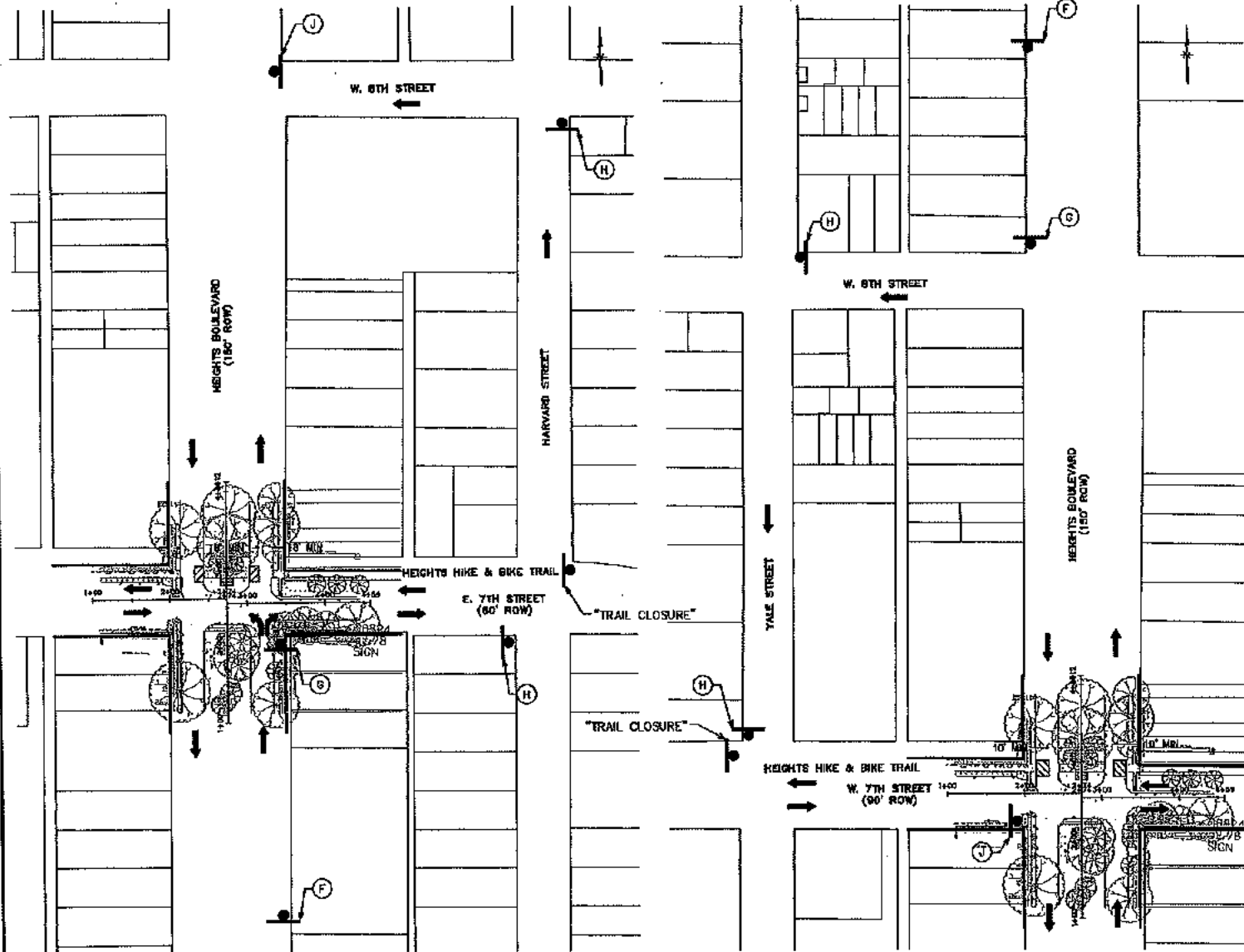
70236
 CITY DRAWING NUMBER
 HOUSTON, TEXAS

POSTED SPEED LIMIT 30 MPH



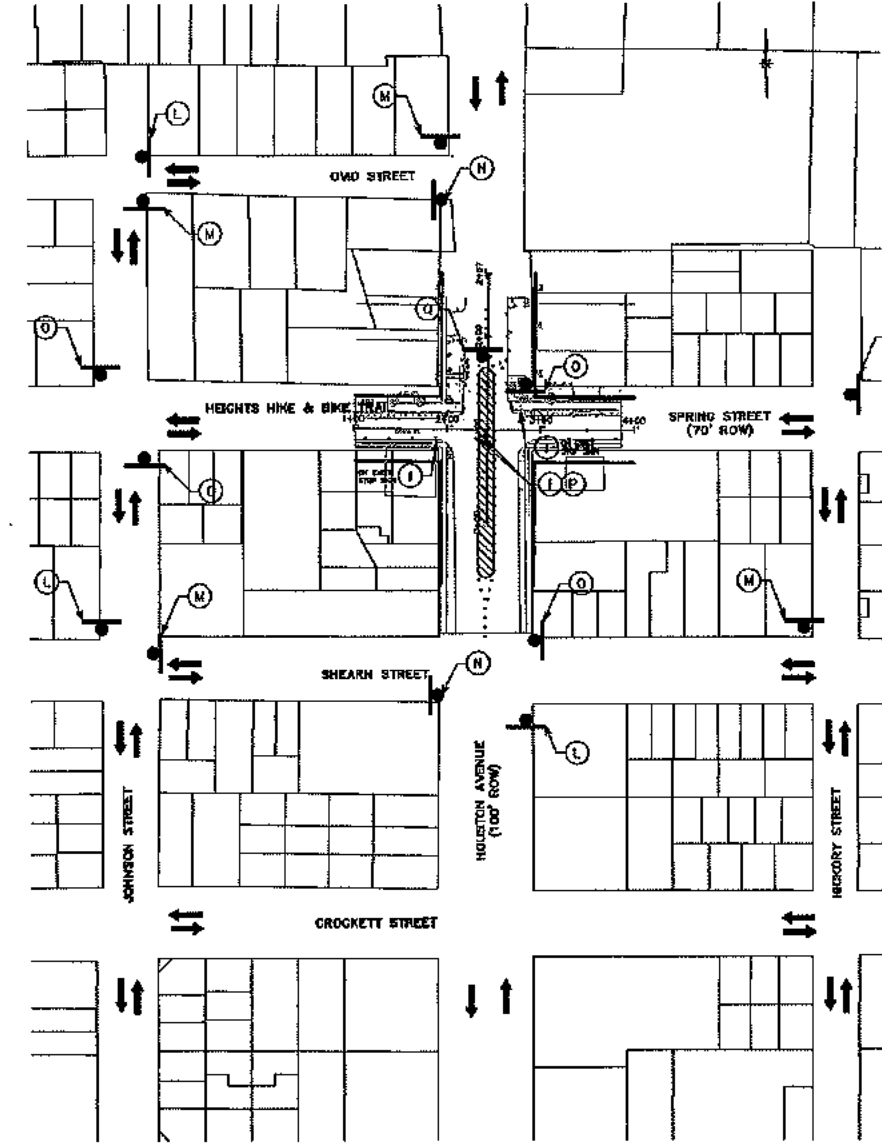
- LEGEND**
- CONSTRUCTION AREA A
 - CONSTRUCTION AREA B
 - EXIST TRAFFIC DIRECTION
 - PROP TRAFFIC DIRECTION
- TEMPORARY PAVEMENT MARKING LEGEND**
- ① 4" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (YELLOW DOTTED)
 - ② 4" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (DOUBLE YELLOW SOLID)
 - ③ 4" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (WHITE SOLID)
 - ④ TEMPORARY CONSTRUCTION PAVEMENT (REMOVE) MARKING ARROW (WHITE)
 - ⑤ 24" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (WHITE SOLID)

- TEMPORARY SIGNAGE LEGEND**
- A ROAD WORK AHEAD
 - B ONE WAY
 - C KEEP RIGHT
 - D ROAD CLOSED
 - E LEFT LANE CLOSED AHEAD
 - F RIGHT LANE CLOSED AHEAD
 - G NO LEFT TURN
 - H ONE WAY
 - I NO CENTER TURN LANE
 - J NO CENTER TURN LANE
 - K ROAD CLOSED
 - L STREET SIGN
 - M DETOUR
 - N DETOUR
 - O NO ENTRY
 - P NO ENTRY



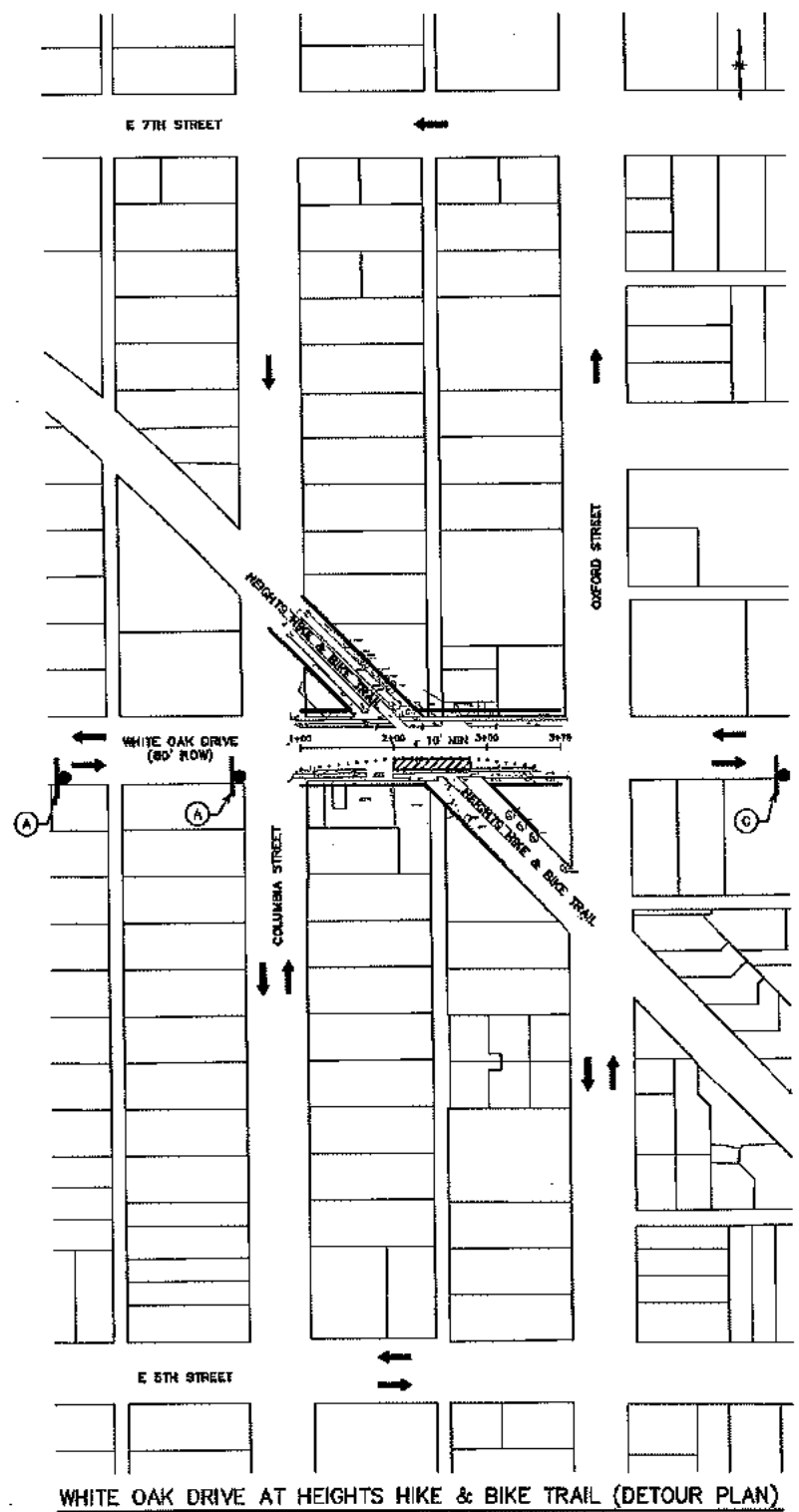
HEIGHTS BOULEVARD AT 7TH STREET (PHASE 1)

HEIGHTS BOULEVARD AT 7TH STREET (PHASE 2)

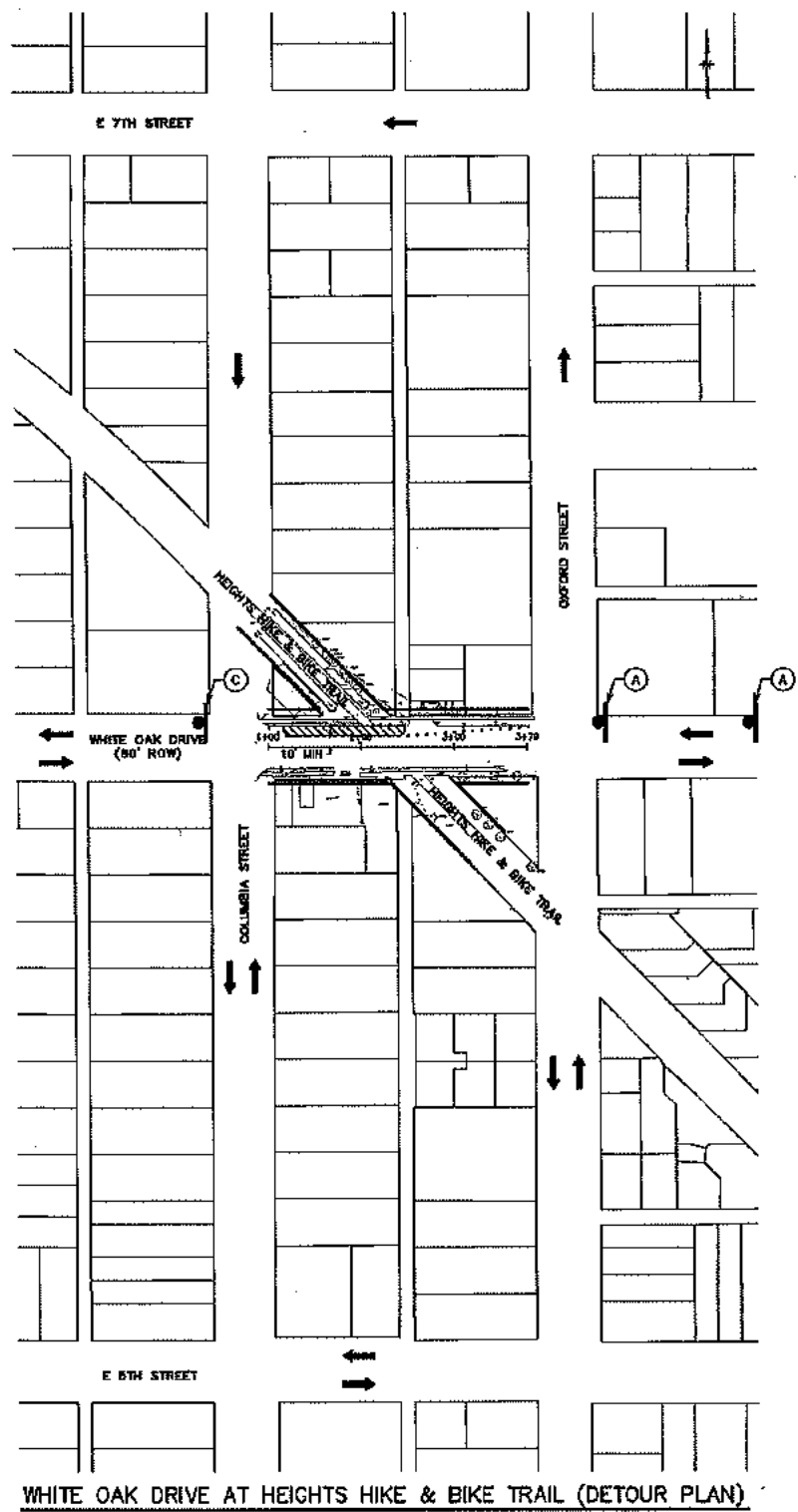


SPRING STREET AT HOUSTON AVENUE (DETOUR PLAN)

NO.	DATE	REVISIONS	APP.
SURVEYED BY: UNITED ENGINEERS, INC. FB NO. P-6162			
CITY OF HOUSTON HOUSTON PUBLIC WORKS			
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT			
TRAFFIC CONTROL PLAN OVERALL LAYOUT PLAN			
WBS NUMBER N-T05000-0006-7		SHEET 2 OF 3 HOUSTON USE ONLY	
DRAWING SCALE HORIZ. 1" = 100'			
CITY OF HOUSTON PM RAYMOND FONG			
SHEET NO. 21 OF 35			
70236 CITY DRAWINGS			



WHITE OAK DRIVE AT HEIGHTS HIKE & BIKE TRAIL (DETOUR PLAN)



WHITE OAK DRIVE AT HEIGHTS HIKE & BIKE TRAIL (DETOUR PLAN)

LEGEND

- CONSTRUCTION AREA A
- CONSTRUCTION AREA B
- EAST TRAFFIC DIRECTION
- PROP TRAFFIC DIRECTION

TEMPORARY PAVEMENT MARKING LEGEND

- ① 4" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (YELLOW DOTTED)
- ② 4" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (DOUBLE YELLOW SOLID)
- ③ 4" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (WHITE SOLID)
- ④ TEMPORARY CONSTRUCTION PAVEMENT (REMOVE) MARKING ARROW (WHITE)
- ⑤ 2" TEMPORARY CONSTRUCTION (REMOVE) PAVEMENT MARKING (WHITE SOLID)

TEMPORARY SIGNAGE LEGEND

- A ROAD WORK AHEAD
- B ROAD WORK AHEAD
- C END ROAD WORK
- D RIGHT LANE CLOSED AHEAD
- E LEFT LANE CLOSED AHEAD
- F RIGHT LANE MUST TURN RIGHT
- G NO LEFT TURN
- H ONE WAY
- I NO LEFT TURN
- J NO CENTER TURN
- K ROAD CLOSED

POSTED SPEED LIMIT 30 MPH

0 50 100 200 300
SCALE 1" = 100'

NO.	DATE	REVISIONS	APP.

JONES CARTER

STATE OF TEXAS
KIRSTEN HILL NEHRING
50169
LICENSED PROFESSIONAL ENGINEER

SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO. P-8162

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

TRAFFIC CONTROL PLAN
OVERALL LAYOUT PLAN

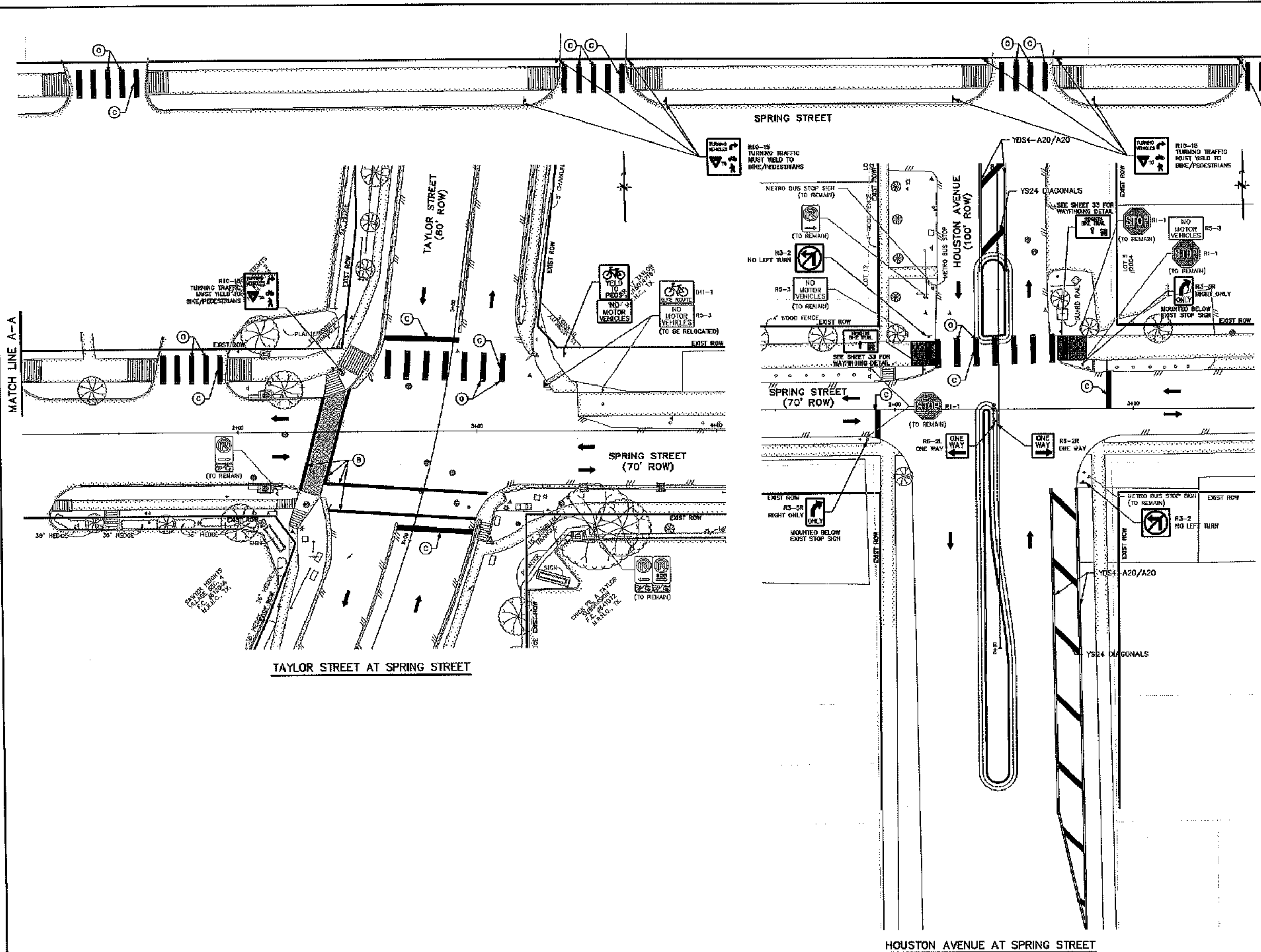
WBS NUMBER
N-T05000-0006-

DRAWING SCALE
NONE 1" = 100'

CITY OF HOUSTON
RAYMOND FONG

SHEET NO. 22 OF 35

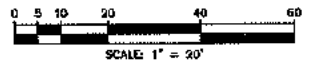
SHEET 2 OF 2
CITY OF HOUSTON USE ONLY
ACCEPTED
70236
CITY DRAWING



- LEGEND**
- (A) W88
 - (B) W512
 - (C) W524
 - (D) W5 RIGHT TURN ARROW
 - (E) W5 LEFT TURN ARROW
 - (F) YDS4-A20/20
 - (G) W50-C20
 - (H) W00
 - (J) YSB4-A40
 - (K) W04-R40
 - (L) W14
 - (M) W5 WORD
 - (N) 0580
 - (O) 0924
 - (P) BIKE LANE
 - (Q) EXIST SIGN
 - (R) PROP SIGN
 - (S) DIRECTION OF TRAVEL

GENERAL NOTES

- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
- B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
- C. EXISTING PUBLIC UTILITY STRUCTURES (QUIET AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
- D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
- E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
- F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
- G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DATE TEMPLE AT (832)395-8459 OR DATE.TEMPLE@HOUSTONTX.GOV PRIOR TO WORK AROUND TREES.



NO.	DATE	REVISIONS	APP.

JONES BARTER
 SURVEYED BY:
UNITED ENGINEERS, INC.
 FB NO. P-6162

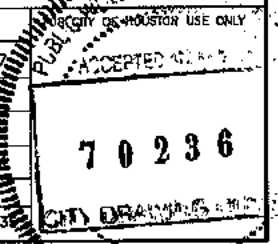
STATE OF TEXAS
 KRISTEN B. HERRINGS
 90180
 LICENSED PROFESSIONAL ENGINEER

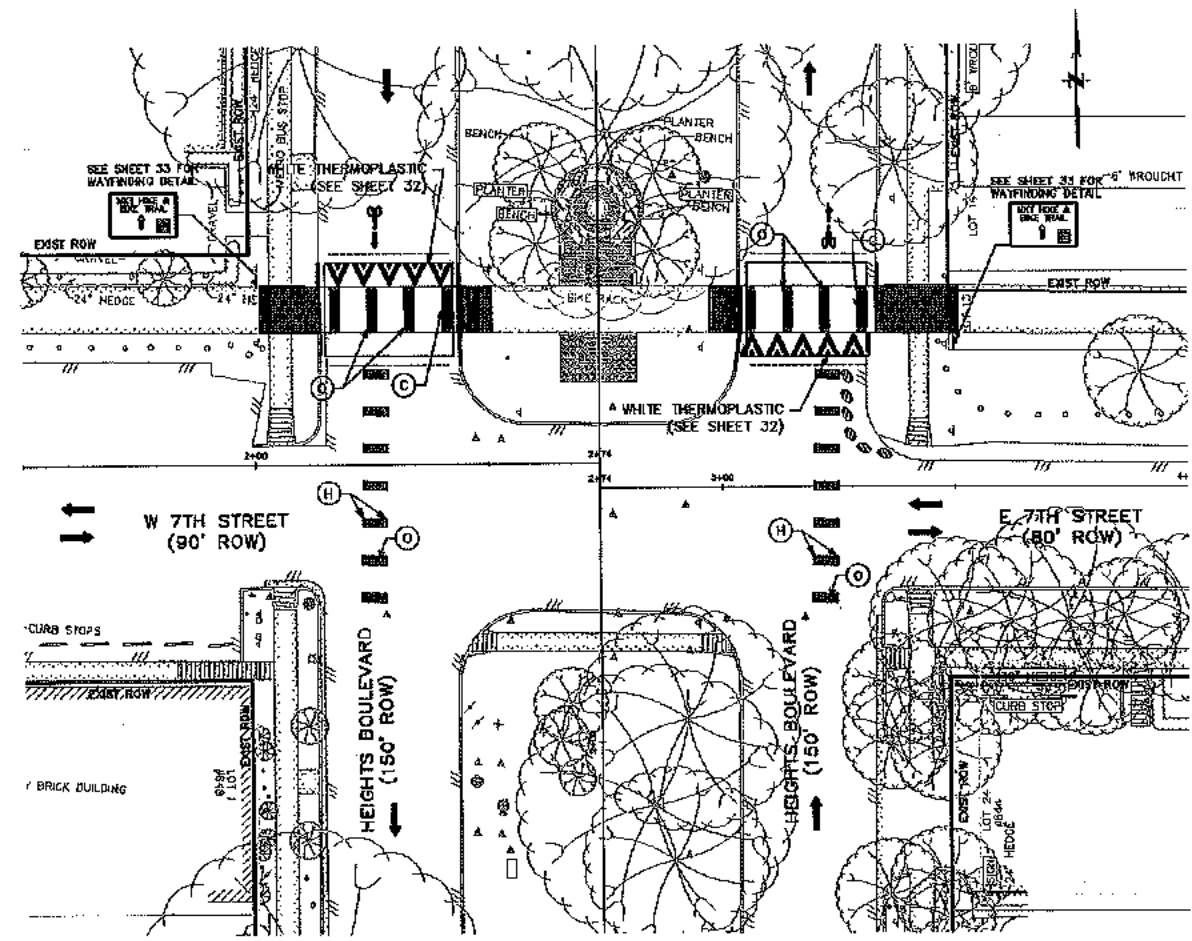
CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
PAVEMENT MARKING AND SIGNAGE PLAN

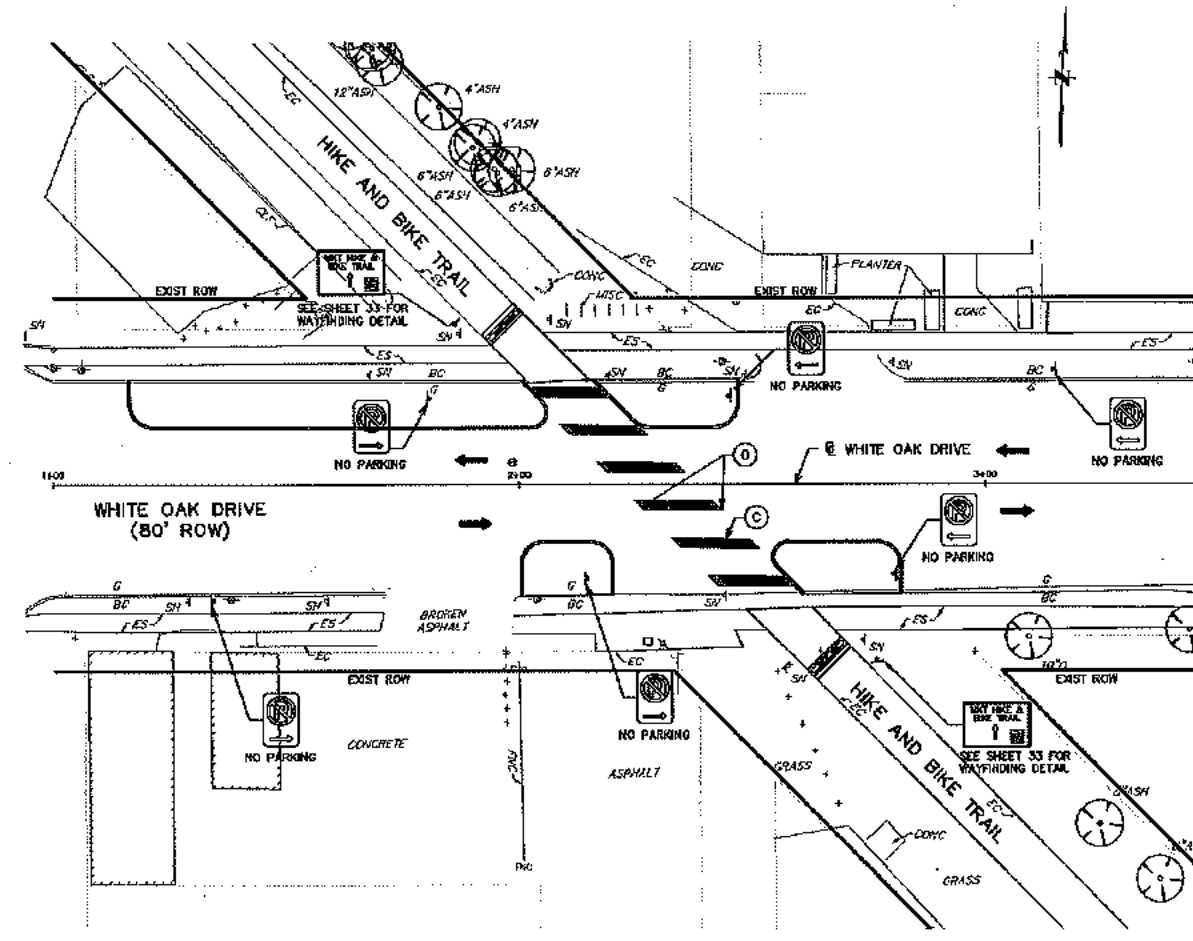
TAYLOR STREET AT SPRING STREET
 HOUSTON AVENUE AT SPRING STREET

WBS NUMBER	N-705000-0006-7
DRAWING SCALE	HORIZ. 1" = 20'
CITY OF HOUSTON	RAYMOND FONG
SHEET NO. 24 OF 30	70236





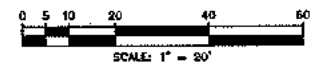
HEIGHTS BOULEVARD AT 7TH STREET



WHITE OAK DRIVE AT HEIGHTS HIKE AND BIKE TRAIL

- LEGEND**
- (A) W58
 - (B) W512
 - (C) W524
 - (D) WS RIGHT TURN ARROW
 - (E) WS LEFT TURN ARROW
 - (F) Y054-A20/20
 - (G) W5A-C20
 - (H) W08
 - (J) Y3B4-A40
 - (K) W84-R40
 - (L) Y84
 - (M) WS WORD
 - (N) G560
 - (O) G824
 - ← BIKE LANE
 - ◁ EXIST SIGN
 - ▷ PROP SIGN
 - ← DIRECTION OF TRAVEL

- GENERAL NOTES**
- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
 - C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
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 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DALE TEMPLE AT (512)385-8469 OR DALE.TEMPLE@HOUSTONTX.GOV PRIOR TO WORK AROUND TREES.



NO.	DATE	REVISIONS	APP.

JONES BARTER
Professional Engineers and Surveyors

STATE OF TEXAS
 KRISTEN JILL HENNINGES
 90189
 LICENSED PROFESSIONAL ENGINEER
 11/12/20

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

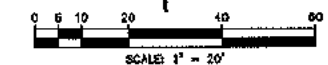
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
PAVEMENT MARKING AND SIGNAGE PLAN

HEIGHTS BOULEVARD AT 7TH STREET
 WHITE OAK DRIVE AT HEIGHTS HIKE AND BIKE TRAIL

WEB NUMBER	
N-T05000-0006-7	
DRAWING SCALE	
HORIZ. 1" = 20'	
CITY OF HOUSTON PN	
RAYMOND FORG	
SHEET NO. 25 OF 35	

- LEGEND**
- (A) W56
 - (B) W512
 - (C) W524
 - (D) WS RIGHT TURN ARROW
 - (E) WS LEFT TURN ARROW
 - (F) Y094-A20/20
 - (G) W56-C20
 - (H) W05
 - (J) Y584-A40
 - (K) W04-R40
 - (L) Y84
 - (M) W5 WORD
 - (N) G560
 - (O) G824
 - ← BIKE LANE
 - EXIST SIGN
 - PROP SIGN
 - PHYSICAL DELINEATOR
 - DIRECTION OF TRAVEL

- GENERAL NOTES**
- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
 - C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAR CUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVING. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
 - D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
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 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTER DALE TEMPLE AT (832)364-8459 OR DALE.TEMPLE@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.



NO.	DATE	REVISIONS	APP.

JONES CARTER
 SURVEYED BY:
UNITED ENGINEERS, INC.
 FB NO. P-6162

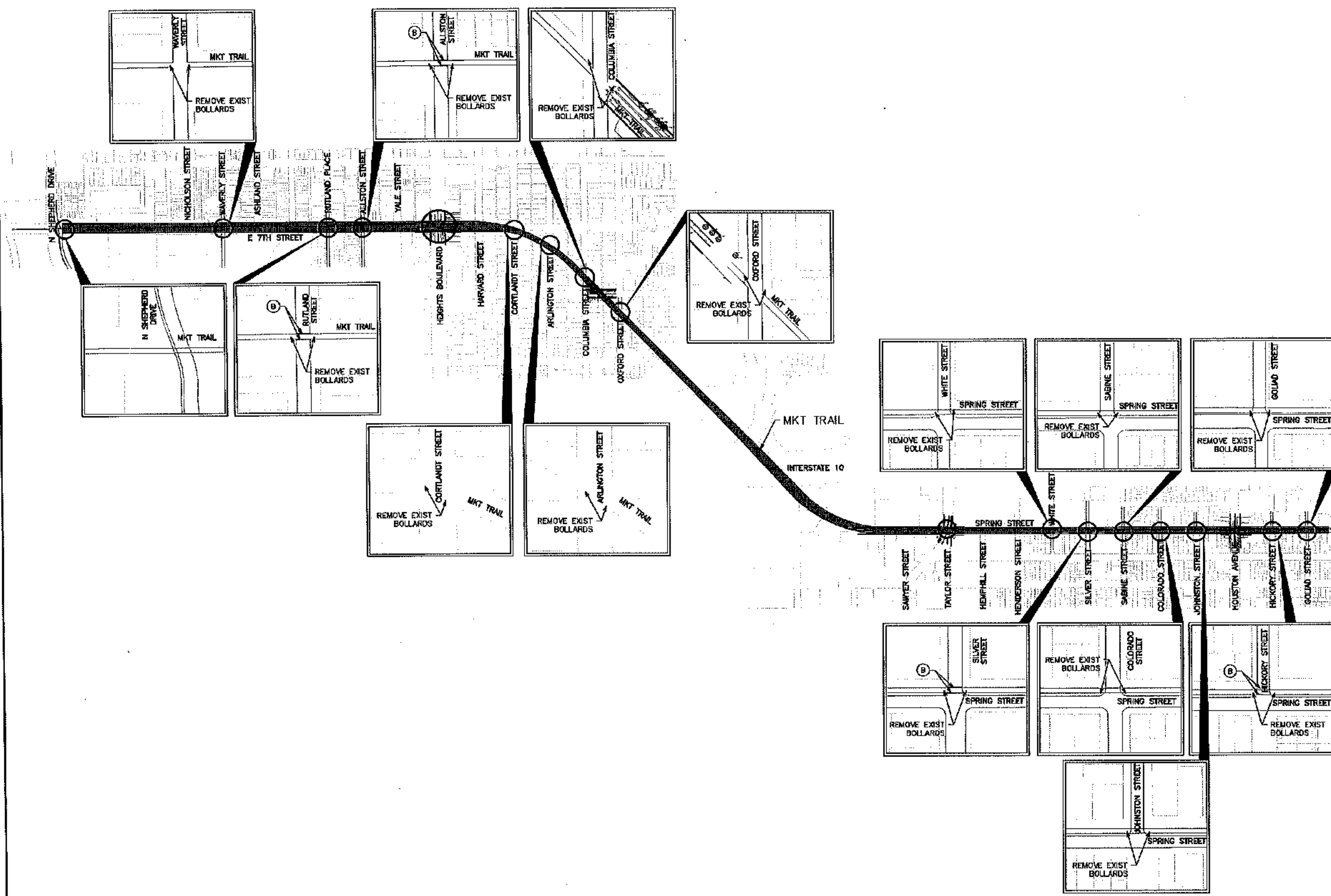
CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

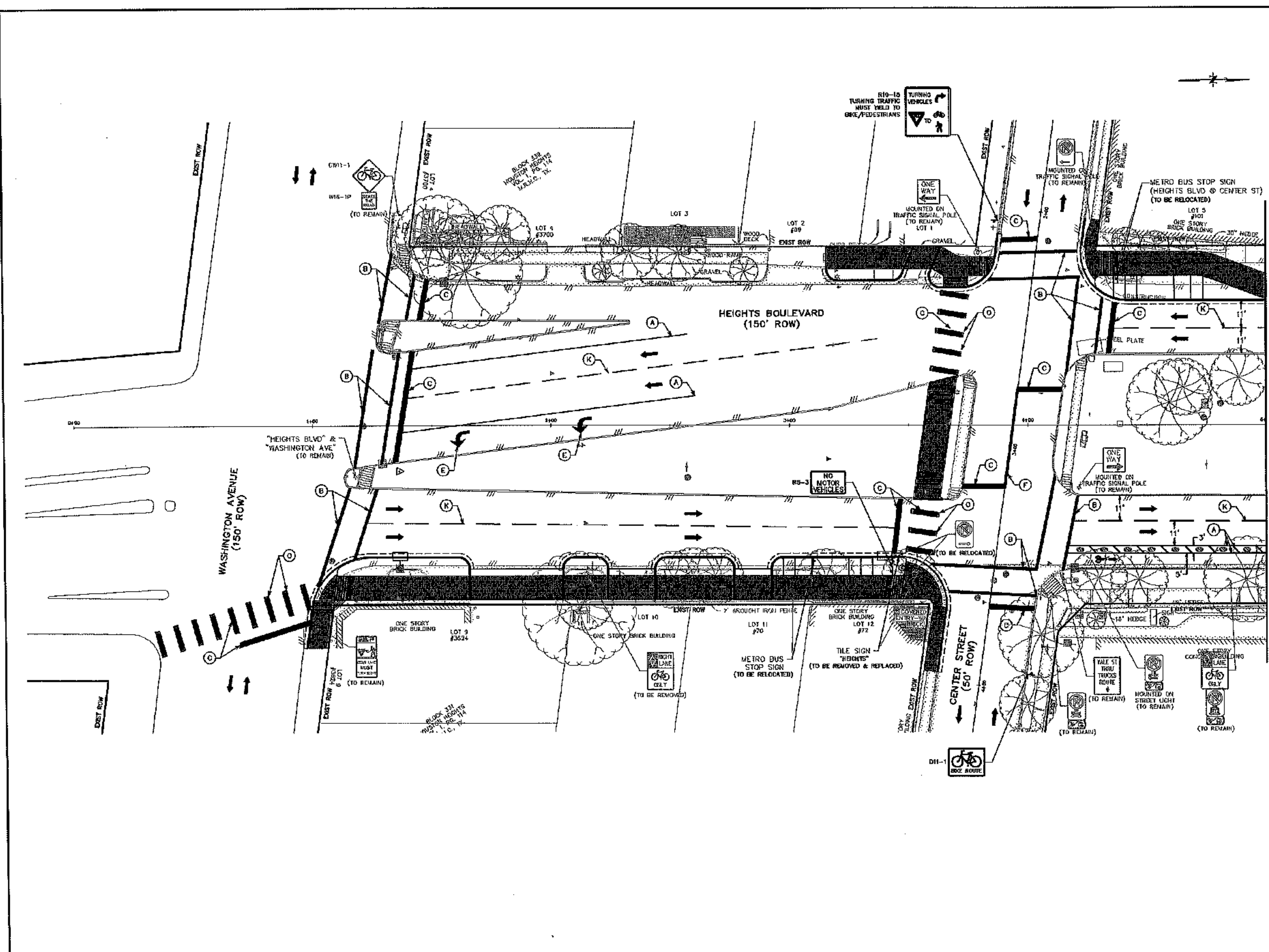
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

PAVEMENT MARKING AND SIGNAGE PLAN

MKT TRAIL IMPROVEMENTS

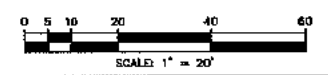
WBS NUMBER	CITY OF HOUSTON USE ONLY
N-T05000-0006-7	PUBLIC WORKS
DRAWING SCALE	70236
HORIZ. 1" = 20'	
CITY OF HOUSTON PROJECT	CITY OF HOUSTON
RAYMOND FONG	
SHEET NO. 26 OF 35	





- LEGEND**
- (A) W56
 - (B) W512
 - (C) W524
 - (D) WS RIGHT TURN ARROW
 - (E) WS LEFT TURN ARROW
 - (F) YD51-A20/20
 - (G) W56-C20
 - (H) W58
 - (J) Y584-A40
 - (K) W64-R40
 - (L) Y64
 - (M) WS WORD
 - (N) G560
 - (O) G824
 - ← BIKE LANE
 - EXIST SIGN
 - ▭ PROP SIGN
 - PHYSICAL DELINEATOR (20LA ZEBRA 15)
 - ← DIRECTION OF TRAVEL

- GENERAL NOTES**
- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
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 - D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
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 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY SALE TEMPLATE AT (832)359-8429 OR DALE.TEMPLER@HOUSTONTX.GOV PRIOR TO WORK AROUND TREES.



MATCH LINE STA 5+00

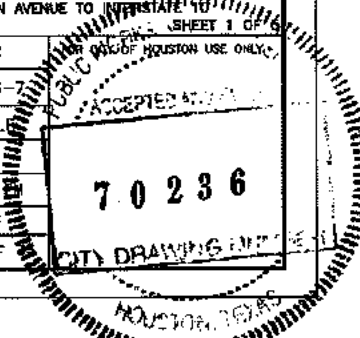
NO.	DATE	REVISIONS	APP.

JONES CARTER
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162



CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
 PAVEMENT MARKING AND SIGNAGE PLAN

HEIGHTS BOULEVARD WASHINGTON AVENUE TO INTERSTATE 10	SHEET 1 OF 1
WBS NUMBER	N-105000-0006-7
DRAWING SCALE	HORIZ. 1" = 20'
CITY OF HOUSTON	RAYMOND FONG
SHEET NO. 27 OF	70236

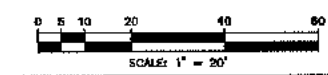


LEGEND

- (A) W56
- (B) W512
- (C) W524
- (D) WS RIGHT TURN ARROW
- (E) WS LEFT TURN ARROW
- (F) W54-A20/20
- (G) W56-C20
- (H) W06
- (J) Y334-A40
- (K) W04-340
- (L) YB4
- (M) WS W080
- (N) G560
- (O) GB24
- ← BIKE LANE
- EXIST SIGN
- PROP SIGN
- PHYSICAL DELINEATOR (ZIOLA ZEBRA 13)
- ← DIRECTION OF TRAVEL

GENERAL NOTES

- A. SCOPE OF WORK INDICATED WITH SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
- B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
- C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE vaults, JUNCTION BOXES, CLEAN CUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW FINISH. PRIVATE UTILITY MAINLINES ARE TO BE ADJUSTED BY OTHERS.
- D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
- E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
- F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
- G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DALE TEMPLE AT (832)389-8486 OR DALE.TEMPLE@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.

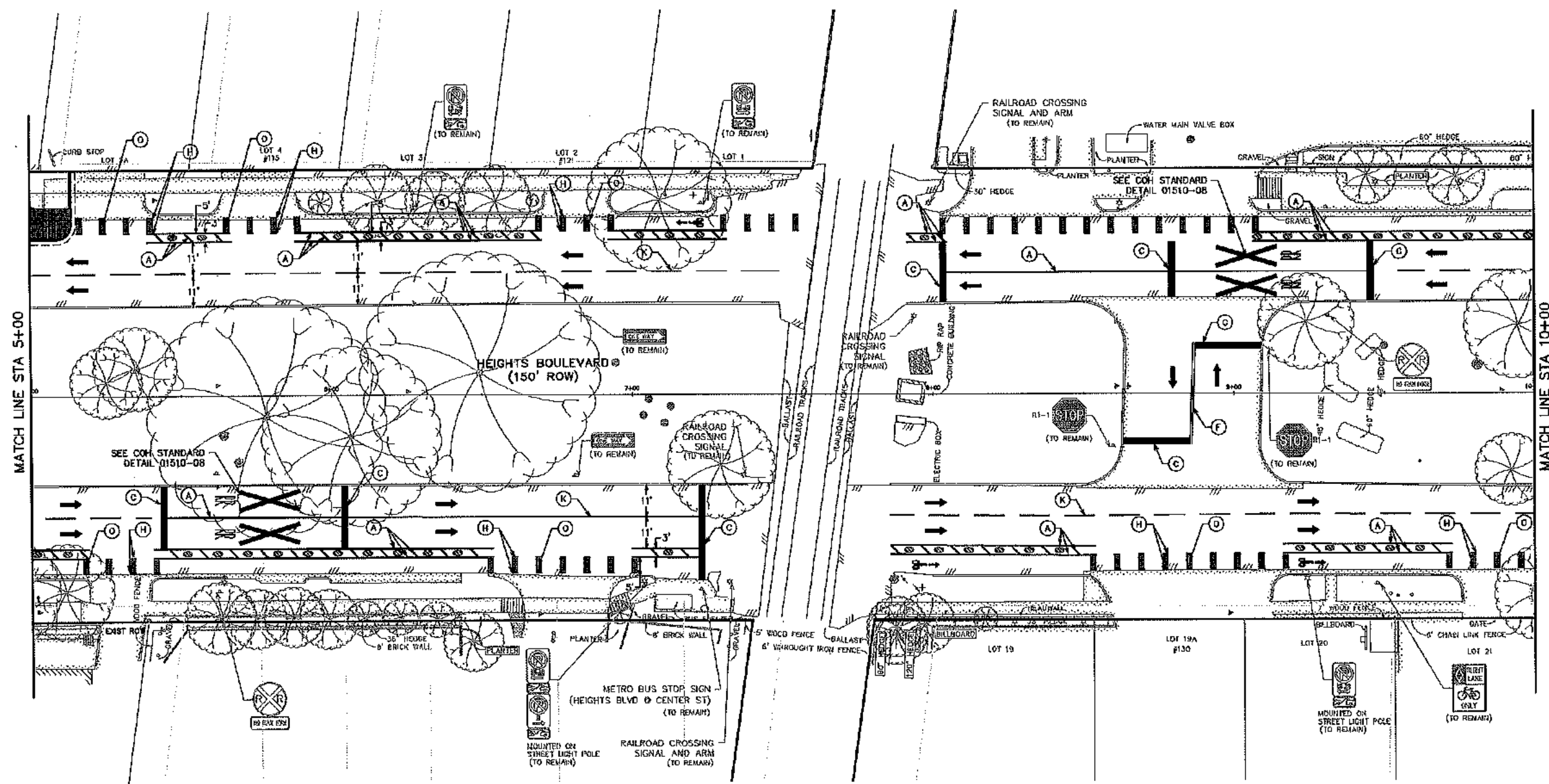


NO.	DATE	REVISIONS	APP.

JONES CARTER
 REGISTERED PROFESSIONAL ENGINEER
 LICENSE NO. 90169
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-1182

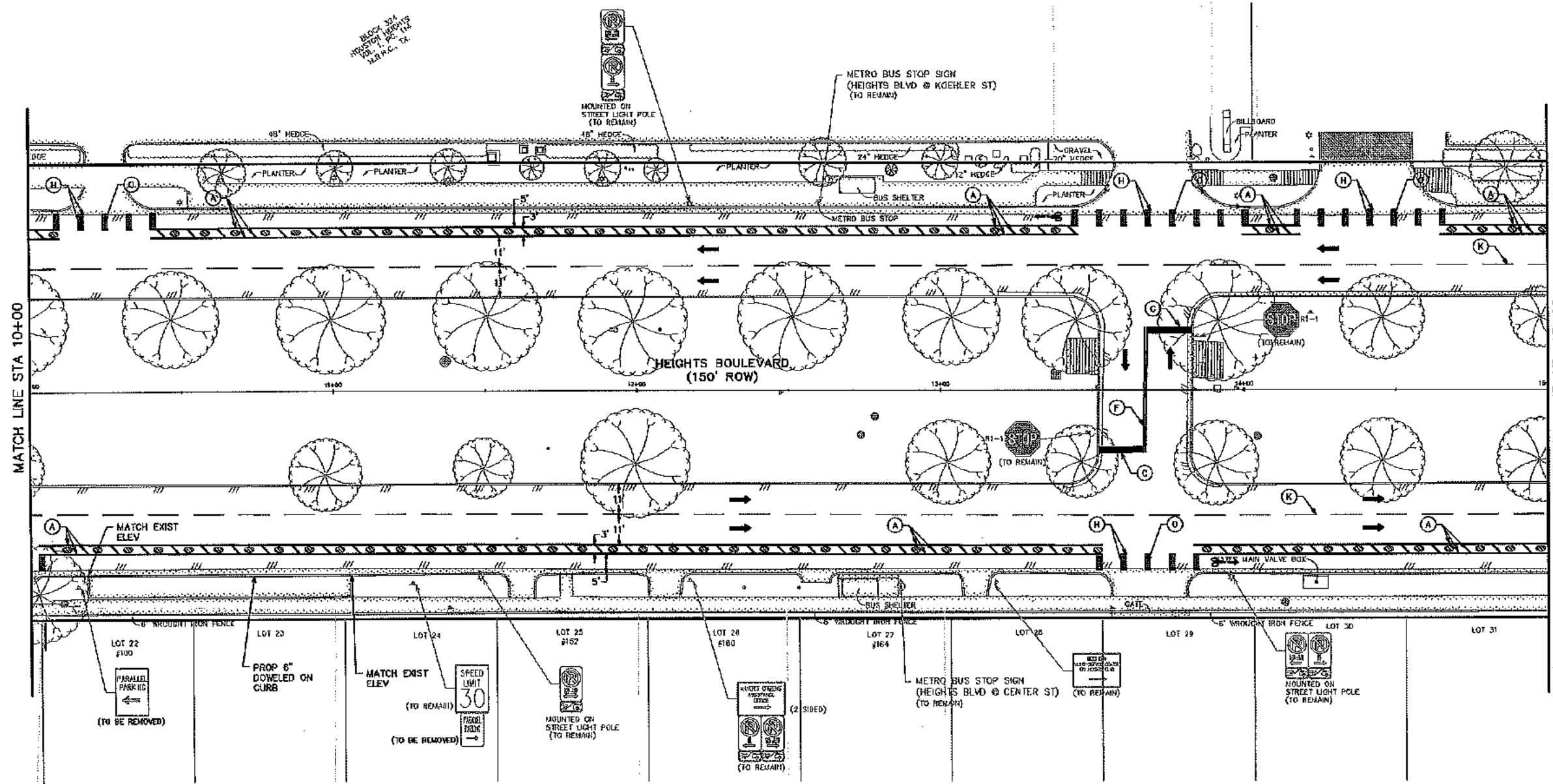
CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT
PAVEMENT MARKING AND SIGNAGE PLAN
 HEIGHTS BOULEVARD WASHINGTON AVENUE TO INTERSTATE 10
 SHEET 2 OF 6

WBS NUMBER	N-705000-0006-7
DRAWING SCALE	HORIZ. 1" = 20'
CITY OF HOUSTON PWD	RAYMOND FONG
SHEET NO. 26 OF 35	CITY DRAWING 70236



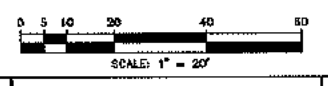
MATCH LINE STA 5+00

MATCH LINE STA 10+00



- LEGEND**
- (A) W56
 - (B) W512
 - (C) W524
 - (D) W5 RIGHT TURN ARROW
 - (E) W5 LEFT TURN ARROW
 - (F) Y54-A20/20
 - (G) W56-G20
 - (H) W56
 - (J) Y54-A40
 - (K) W64-R40
 - (L) Y54
 - (M) W5 WORD
 - (N) G590
 - (O) G824
 - ← BIKE LANE
 - EXIST SIGN
 - PROP SIGN
 - PHYSICAL DELINEATOR (ZILLA ZEBRA 13)
 - ← DIRECTION OF TRAVEL

- GENERAL NOTES**
- A. SCOPE OF WORK INDICATED WITHIN SHADED AREA. EXISTING FEATURES OUTSIDE SHADED AREA TO REMAIN UNLESS NOTED OTHERWISE.
 - B. CONTRACTOR IS TO PROTECT THE FACE OF ALL EXISTING BUILDINGS AND STRUCTURES. DAMAGE TO BUILDING/STRUCTURE SHALL BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
 - C. EXISTING PUBLIC UTILITY STRUCTURES (METER AND VALVE VAULTS, JUNCTION BOXES, CLEAN OUTS, FIRE HYDRANTS, ETC.) IN USE IN THE AREA OF DEMOLITION ARE TO BE PROTECTED AND REMAIN OPERATIONAL DURING DEMOLITION, UNLESS NOTED OTHERWISE. ELEVATION OF COVER OF UTILITY STRUCTURE IS TO BE ADJUSTED TO BE LEVEL WITH NEW PAVEMENT. PRIVATE UTILITY MANHOLES ARE TO BE ADJUSTED BY OTHERS.
 - D. STREET LIGHTS AND TRAFFIC SIGNALS TO REMAIN OPERATIONAL DURING CONSTRUCTION. INSTALL TEMPORARY SIGNALIZATION ACCORDING TO TEMPORARY SIGNAL PLAN.
 - E. CONTRACTOR IS TO PROTECT ALL IRRIGATION SYSTEM COMPONENTS DURING DEMOLITION OPERATIONS UNLESS NOTED OTHERWISE. ANY IRRIGATION SYSTEM COMPONENTS DAMAGED AS A RESULT OF DEMOLITION OPERATIONS SHALL BE REPLACED TO SATISFACTION OF OWNER AT CONTRACTOR'S EXPENSE.
 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DALE TEMPLE AT (282)388-3458 OR DALE.TEMPLE@HOUSTONTX.GOV PRIOR TO WORK AROUND TREES.



NO.	DATE	REVISIONS	APP.

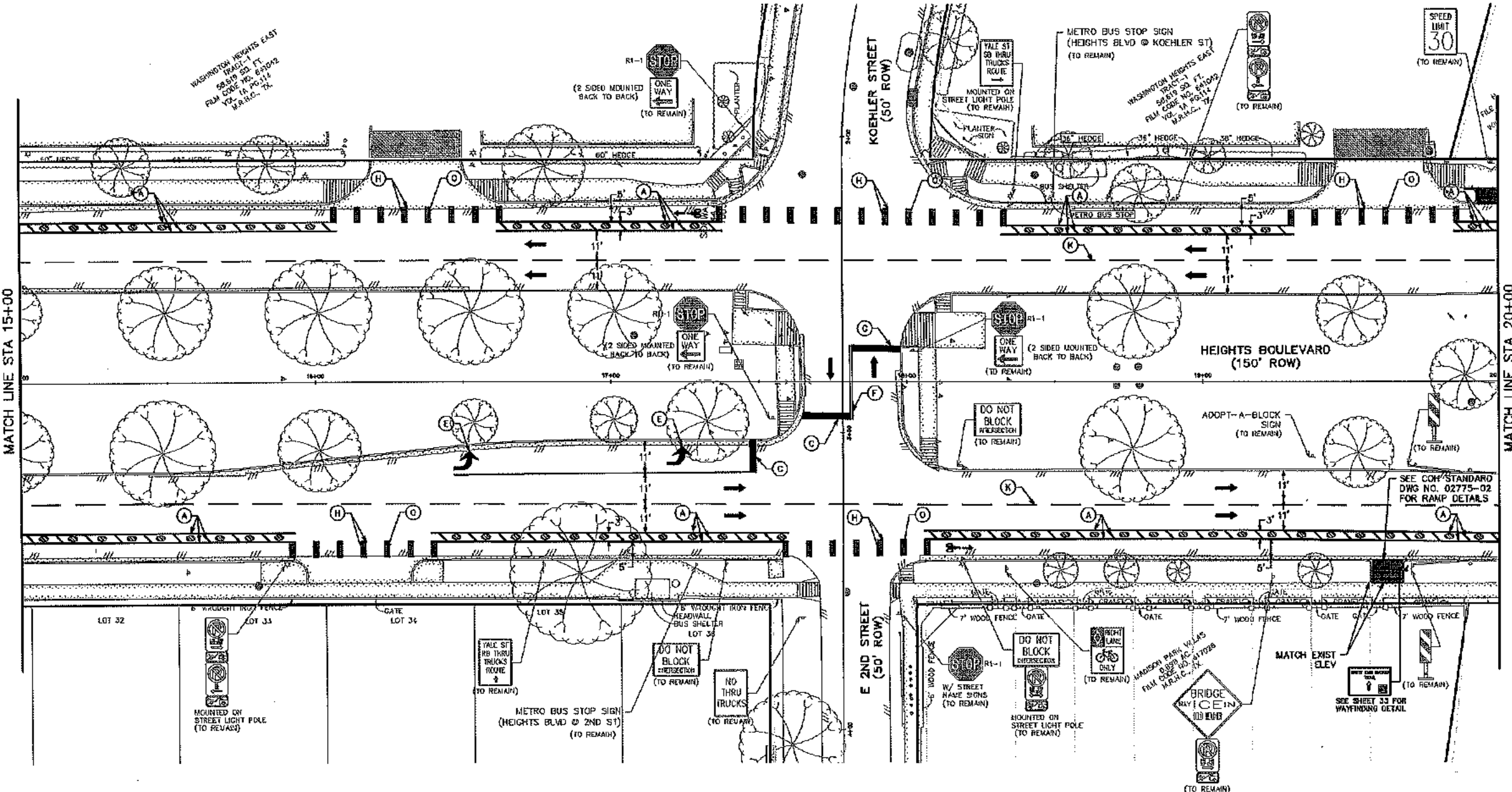
JONES BARTER
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162



CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN &
 BICYCLE SAFETY IMPROVEMENTS PROJECT
 PAVEMENT MARKING AND
 SIGNAGE PLAN

HEIGHTS BOULEVARD
 WASHINGTON AVENUE TO INTERSTATE 45

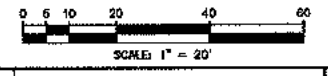
WBS NUMBER	FOR HOUSTON USE ONLY
N-105000-0006-7	ACCEPTED AND
DRAWING SCALE	70236
HORIZ. 1" = 20'	
CITY OF HOUSTON PM	
RAYMOND FONG	
SHEET NO. 29 OF 35	



WASHINGTON HEIGHTS EAST
 TRACT-1
 28.519 AC. ±
 COB. NO. 8-7002
 F.M. 1A, 1B, 11-14
 M.A.H.C., TX

- LEGEND**
- (A) W58
 - (B) W512
 - (C) W524
 - (D) WS RIGHT TURN ARROW
 - (E) WS LEFT TURN ARROW
 - (F) WDS4-A20/20
 - (G) W53-C23
 - (H) W66
 - (J) W584-A40
 - (K) W84-R40
 - (L) Y84
 - (M) WS WORD
 - (N) CS30
 - (O) Q824
 - ← DIRECTION OF TRAVEL
 - EXIST SIGN
 - PROP SIGN
 - PHYSICAL DELINEATOR (ZILLA ZEBRA 13)

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 - F. CONTRACTOR TO PROTECT ALL FACILITIES NOT SPECIFICALLY CALLED OUT FOR DEMOLITION.
 - G. CONTRACTOR TO COORDINATE WITH CITY OF HOUSTON URBAN FORESTRY DATE TABLE AT (832)385-8458 OR DATE.TEMPL@HOUSTON.TX.GOV PRIOR TO WORK AROUND TREES.



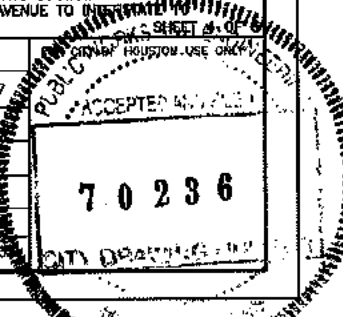
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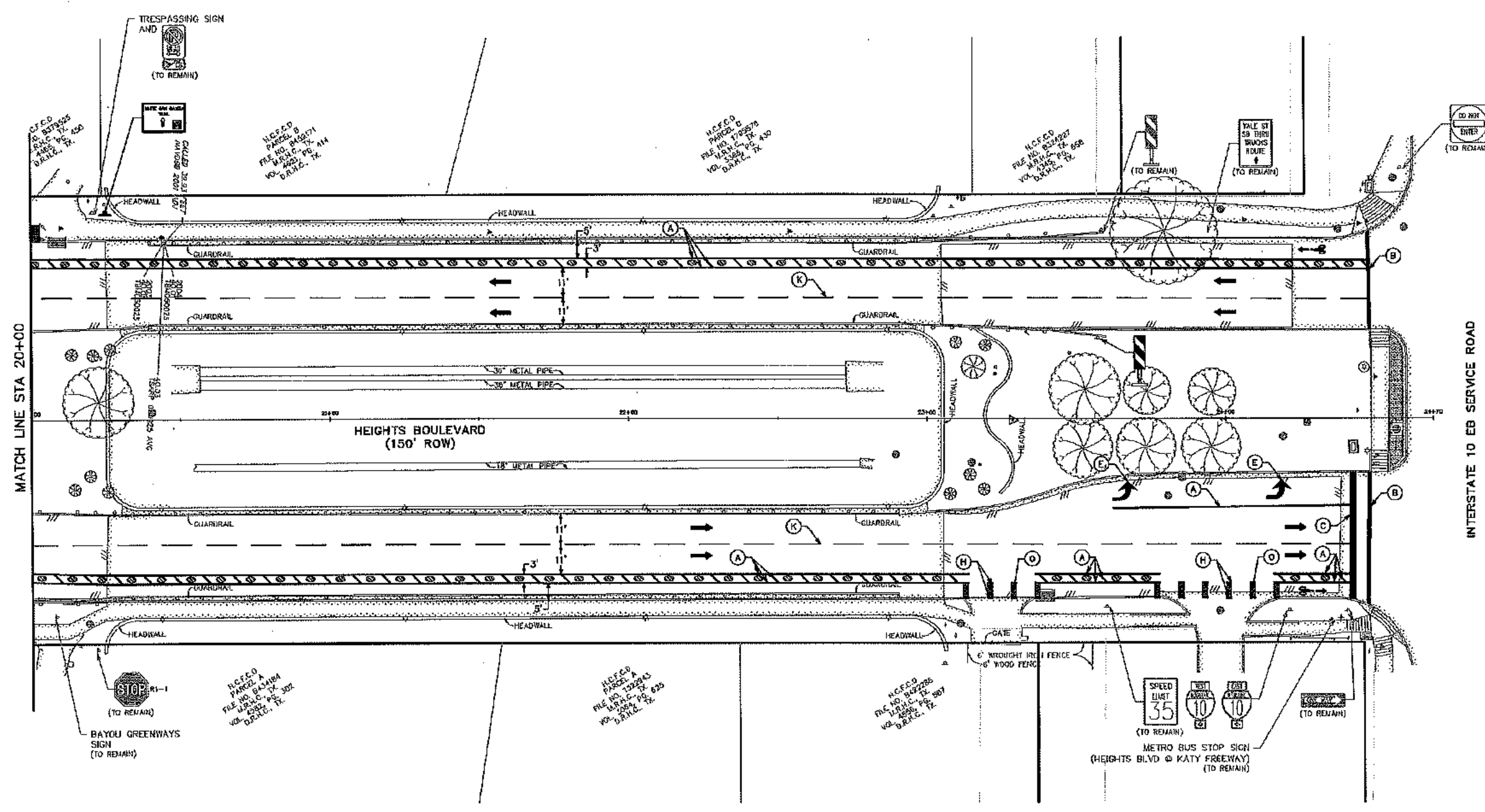
JONES CARTER
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6182



CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 HEIGHTS BOULEVARD PEDESTRIAN &
 BICYCLE SAFETY IMPROVEMENTS PROJECT
 PAVEMENT MARKING AND
 SIGNAGE PLAN

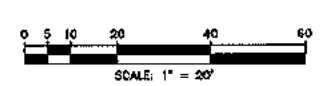
WBS NUMBER	N-705000-0006-7
DRAWING SCALE	HORIZ. 1" = 20'
CITY OF HOUSTON	RAYMOND FONG
SHEET NO. 30 OF 30	70236





- LEGEND**
- (A) W58
 - (B) W512
 - (C) W524
 - (D) WS RIGHT TURN ARROW
 - (E) WS LEFT TURN ARROW
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 - (J) Y584-A40
 - (K) W64-R40
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 - (M) WS WORD
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NO.	DATE	REVISIONS	APP.

JONES CARTER

STATE OF TEXAS
 KRISTEN J. HENNING
 00169
 LICENSED PROFESSIONAL ENGINEER

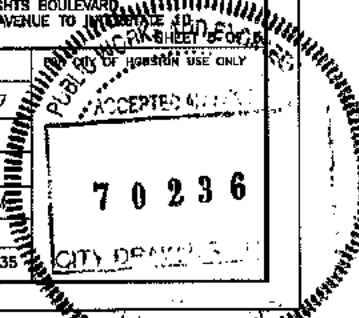
SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162

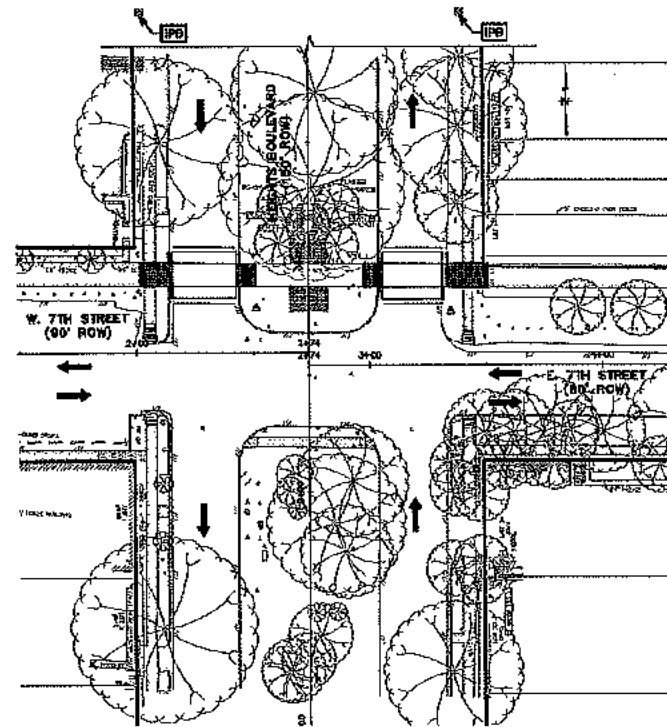
CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

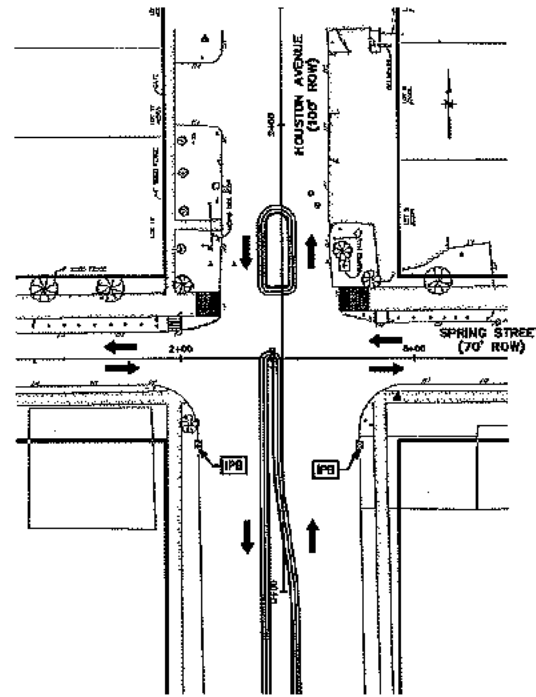
PAVEMENT MARKING AND SIGNAGE PLAN

WBS NUMBER	N-105000-0006-7
DRAWING SCALE	HORIZ. 1" = 20'
CITY OF HOUSTON PM	RAYMOND FONG
SHEET NO. 31 OF 35	

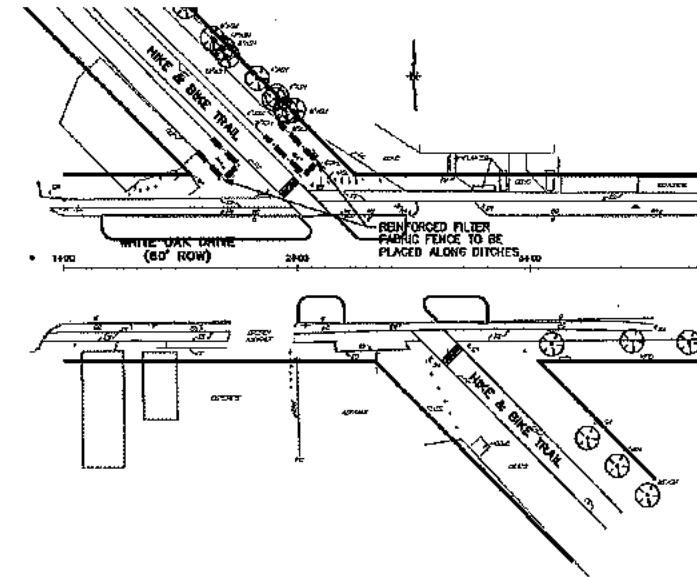




HEIGHTS BOULEVARD AT 7TH STREET

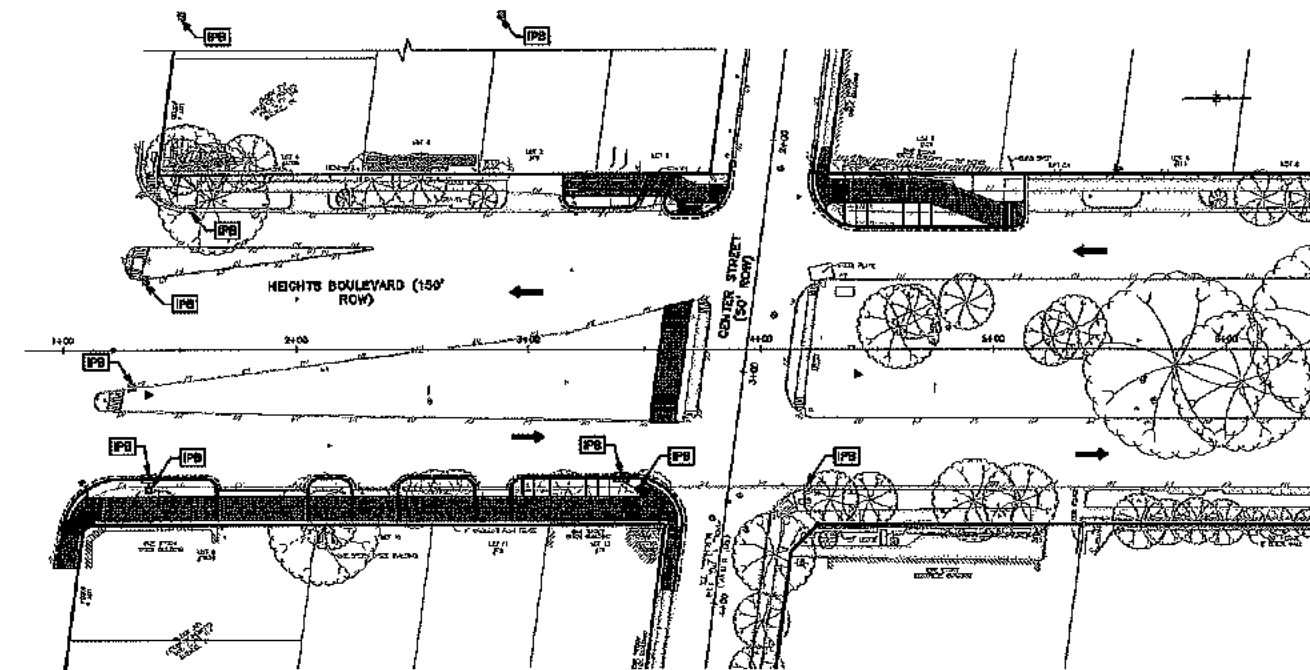


HOUSTON AVENUE AT SPRING STREET



WHITE OAK DRIVE AT HEIGHTS HIKE AND BIKE TRIAL

LEGEND
 IPB INLET PROTECTION BARRIERS
 x ⊗ x REINFORCED FILTER FABRIC BARRIER



HEIGHTS BOULEVARD FROM WASHINGTON AVENUE TO RAILROAD

MANHOLE PROTECTION NOTES

1. INLETS AND MANHOLES THAT ARE NOT COMPLETE AND/OR ARE SUBJECT TO CONVEYING STORM WATER FLOWS ARE TO BE PROTECTED TO PREVENT SEDIMENT FROM ENTERING THE PROPOSED OR EXISTING STORM SEWER SYSTEM.
2. PROTECTION SHALL CONSIST OF ONE LAYER OF 3/4" HIGH OAK TIMBERS, ONE (1) INCH APART, COVERED WITH ONE LAYER OF 300G POLYPROPYLENE OR POLYESTER FILTER FABRIC (LOOK UP 100g, PHILIPS SURMAC 4MS(UV) OR APPROVED EQUAL) HELD IN PLACE WITH 1/2" STAPLES. TIMBERS SHALL BE HELD IN PLACE WITH TWO (2) 2x4's NAILED SECURELY TO EACH TIMBER OVER THE FILTER FABRIC. THE FILTER FABRIC SHALL EXTEND BEYOND THE PERIMETER OF THE OAK TIMBERS AS TO ENSURE ONE (1) FOOT OF BURY BETWEEN THE MANHOLE OR INLET AND THE SURROUNDING SOIL AS SHOWN.
3. FILTER FABRIC TO BE CLEANED OR REPLACED WHEN IT CEASES TO FUNCTION PROPERLY OR AS DIRECTED BY THE ENGINEER.
4. CONTRACTOR MAY SUBMIT PLANS FOR ALTERNATE METHODS OF PROTECTION. THESE ALTERNATE METHODS MUST BE APPROVED PRIOR TO USE IN THE FIELD.
5. NO SEPARATE PAYMENT SHALL BE MADE FOR INLET AND MANHOLE PROTECTION. INCLUDE THE COST IN THE UNIT PRICE FOR THE INLETS AND MANHOLES.

EROSION AND SEDIMENTATION CONTROL NOTES

1. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROLS AT LOCATION SHOWN ON PLANS.
2. CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENTATION CONTROL SYSTEMS SPECIFIED HEREIN, AT A MINIMUM OF ONCE EVERY CALENDAR DAY.
3. CONTRACTOR SHALL MAINTAIN, REPAIR AND/OR REPLACE DAMAGED EROSION AND SEDIMENTATION CONTROL SYSTEM THROUGHOUT THE DURATION OF THE CONTRACT. (NO SEPARATE PAY).
4. CONTRACTOR SHALL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER POTENTIALLY TOXIC MATERIALS.
5. CONTRACTOR SHALL LOCATE FUEL MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS. CONTRACTOR SHALL USE SILT FENCING, TAY BALES, OR BARRIERS AROUND FUEL STORAGE AREAS. (NO SEPARATE PAY).
6. CONTRACTOR SHALL ADVISE OWNER IMMEDIATELY, VERBALLY AND IN WRITING, OF ANY FUEL OR TOXIC MATERIAL SPILLS ONTO THE PROJECT/CONSTRUCTION AREA AND THE ACTION TAKEN TO REMEDY THE PROBLEM.
7. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF HIS FUELS, MATERIALS, AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER. (NO SEPARATE PAY).
8. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE ENVIRONMENTAL LAWS.
9. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATELY MAINTAINED SANITARY FACILITIES.
10. AT COMPLETION OF THE CONTRACT, OWNER AND/OR OWNER'S REPRESENTATIVE WITH THE CONTRACTOR SHALL EXAMINE EROSION AND SEDIMENTATION CONTROL SYSTEM BEFORE RELIEVING CONTRACTOR OF HIS MAINTENANCE RESPONSIBILITIES.
11. IF EROSION AND SEDIMENTATION CONTROL SYSTEM IS EXISTING FROM PRIOR CONTRACTS, OWNER AND/OR OWNER'S REPRESENTATIVES WITH THE CONTRACTOR SHALL EXAMINE THE EXISTING EROSION AND SEDIMENTATION CONTROL SYSTEM FOR DAMAGE PRIOR TO CONTRACTOR STARTING CONSTRUCTION OF THE CONTRACT. ANY DAMAGE NOTED AT THIS TIME SHALL BE REPAIRED AT OWNER'S EXPENSE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR STREET CLEANING, ON A DAILY BASIS, ALL MUD AND DIRT DEPOSITED ON THE EXISTING PAVEMENT DUE TO HIS CONSTRUCTION ACTIVITY.
13. IF PAVING CONTRACTOR REMOVES OR PUNCTURES RUBBER GRATE TO ESTABLISH DRAINAGE, INLET MUST BE BE SURROUNDED BY FILTER FABRIC FENCE AS SHOWN IN DETAIL ON THIS SHEET.

SWPPP CONSTRUCTION NOTES

CONTRACTOR TO IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPPP) PLANS TO KEEP SILT AND/OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STREAM. DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN SHORTE SEQUENCES SO THAT EXCAVATION MATERIAL CAN BE QUICKLY HAULED AWAY FROM THE SITE AND TO PREVENT IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOOSE EXCAVATED MATERIAL, MUD FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEEPED BACK INTO THE EXCAVATION AREA.

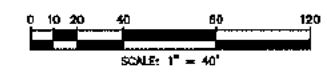
CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FROM THE EXCAVATION AREA.

CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.

CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.

- DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FULLY STABILIZED.
- AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- STRUCTURAL CONTROL MEASURES.
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES. WHERE SOODING IS DISTURBED BY EXCAVATION OR BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SOODING. SLOPES 4:1 OR STEEPER SHALL BE REPLACED BY BLOCK SOODING.



INSTALLATION SEQUENCE

- LOWER STAGE UTILITIES:**
1. Install at start of construction.
 2. Install for Stage I inlets.
 3. Install x along existing back of curb, and across roadside ditches.
- PAVING:**
1. Maintain existing facilities.
 2. Broadcast Seeding of disturbed areas after final grading.
- UPPER STAGE UTILITIES:**
1. Install x behind all back of curb upon completion of paving.
 2. Install for Stage II inlets upon completion of paving.
 3. Area within ROW and Adjacent Easements disturbed during Construction of Utilities to be Hydro-Mulch Seeded upon completion of Utilities.
- Contractor to follow all protection requirements and complete all forms as listed in bound SWPPP.

NO.	DATE	REVISIONS	APP.

JONES CARTER
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. P-6162

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

STORM WATER POLLUTION PREVENTION PLAN

WEBS NUMBER
 N-T05000-0006-7

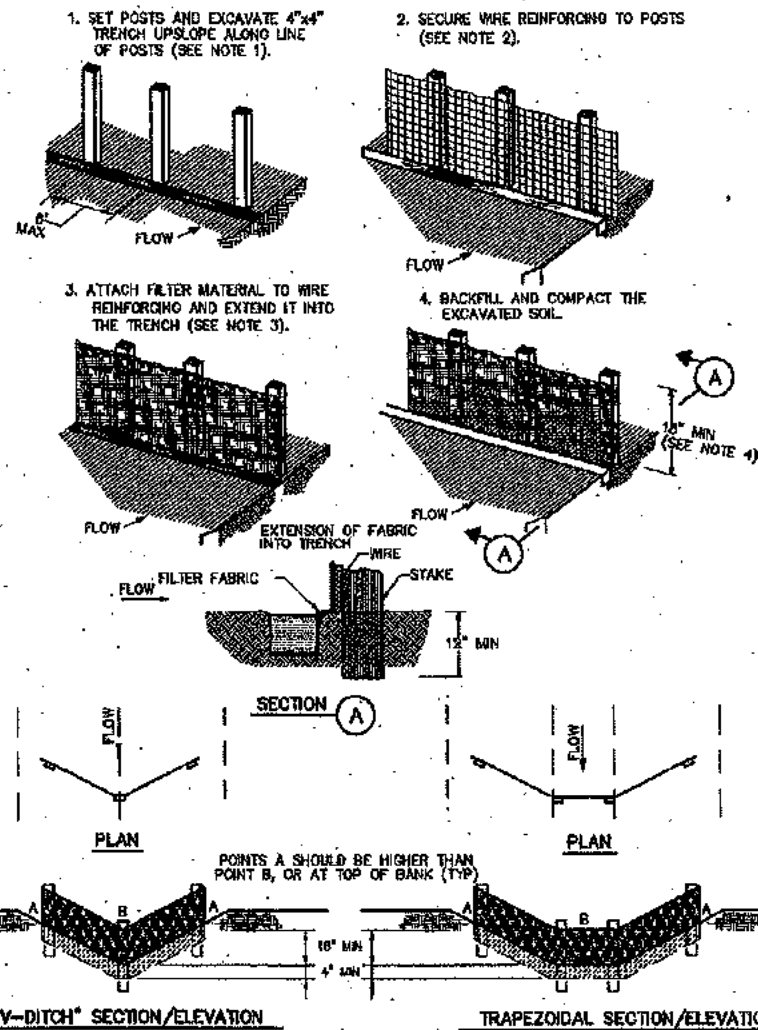
DRAWING SCALE
 3/32" = 1' = 40'

CITY OF HOUSTON PLAN
 RAYMOND FONG

SHEET NO. 34 OF 35

STATE OF TEXAS
 KRISTEN ALL NEARINGS
 00160
 LICENSED SURVEYOR

ACCEPTED
 70236
 CITY DRAWING

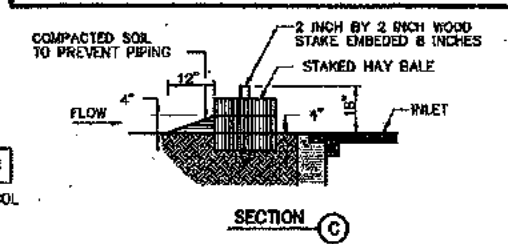
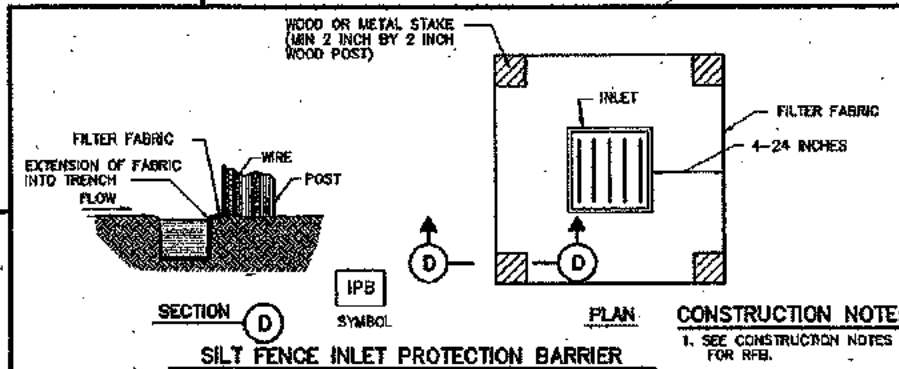
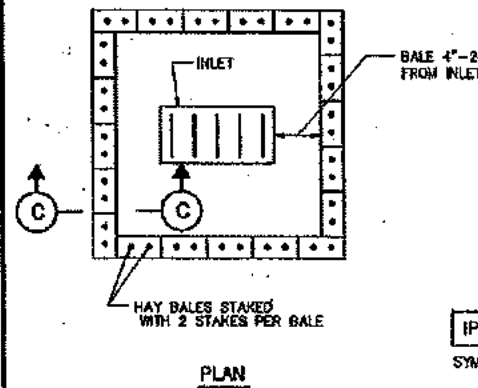
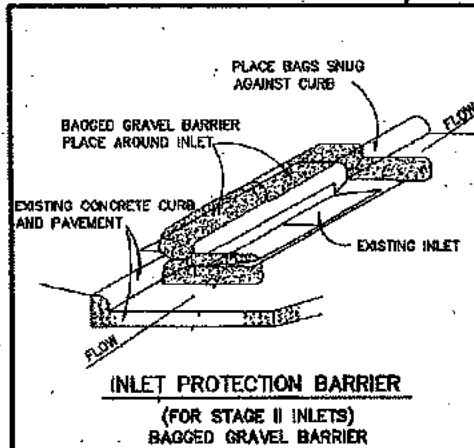


CONSTRUCTION NOTES:

1. SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
2. WOVEN WIRE REINFORCING TO BE FASTENED SECURELY TO BARRIER POSTS WITH STAPLES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCING, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
4. MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
6. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



REINFORCED FILTER FABRIC BARRIER



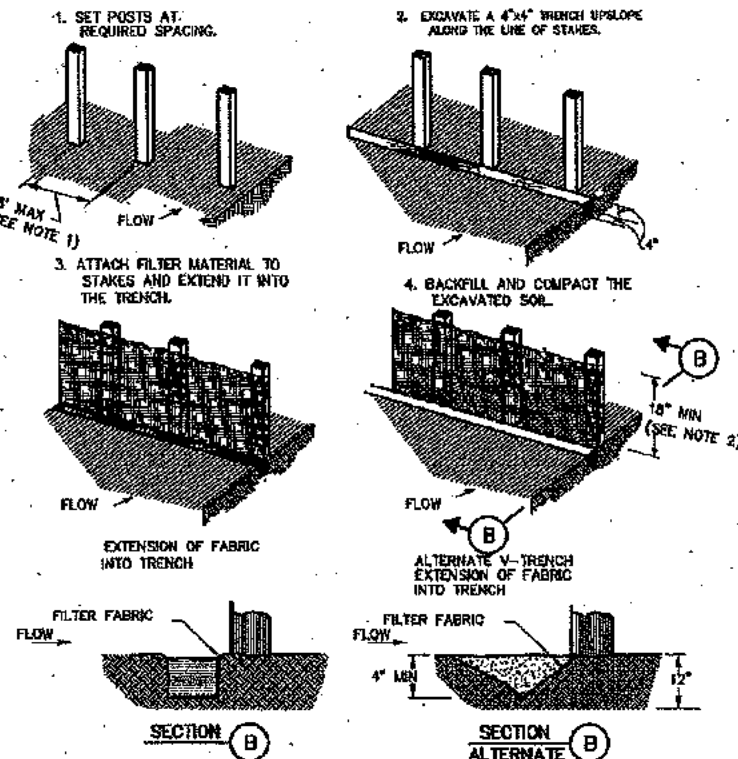
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS
(NOT TO SCALE)

APPROVED: [Signature] CITY ENGINEER

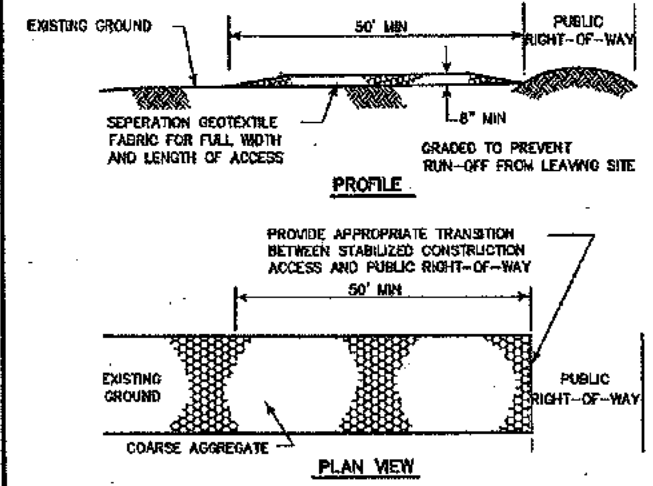
APPROVED: [Signature] DIRECTOR OF PUBLIC WORKS AND ENGINEERING

EFF DATE: JULY-01-2010 DWG NO: 01571-01



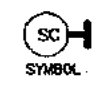
CONSTRUCTION NOTES:

1. 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PREASSEMBLED BARRIER WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 6 FEET MAX.
2. ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
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CONSTRUCTION NOTES:

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION ACCESS, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMODATE A WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE WASHING AREA.
6. COH STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.
7. STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.



STABILIZED CONSTRUCTION ACCESS

NO.	DATE	REVISIONS	APP.

JONES BARTER

STATE OF TEXAS

KRISTEN JILL HEININGS

90165

PROFESSIONAL ENGINEER

SURVEYED BY: UNITED ENGINEERS, INC. FB NO. P-6162

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

HEIGHTS BOULEVARD PEDESTRIAN & BICYCLE SAFETY IMPROVEMENTS PROJECT

STORM WATER POLLUTION PREVENTION PLAN DETAILS

WBS NUMBER

N-T05000-0008-7

DRAWING SCALE

MS

CITY OF HOUSTON

RAYMOND FONG

SHEET NO. 35 OF 35

70236

CITY DRAWING

HOUSTON, TEXAS