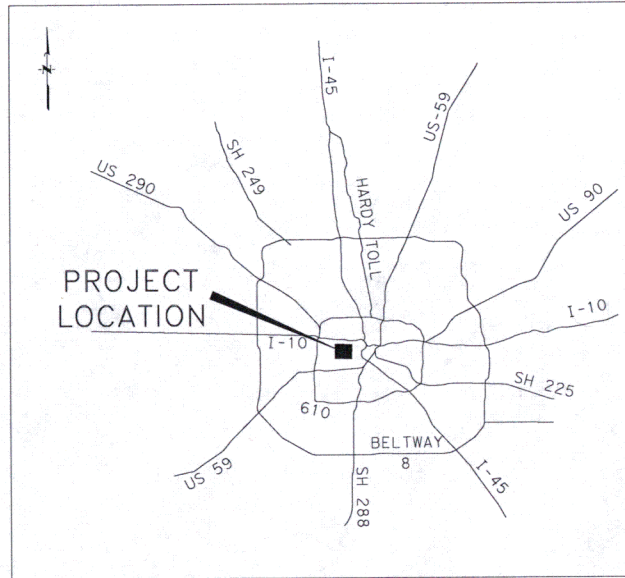


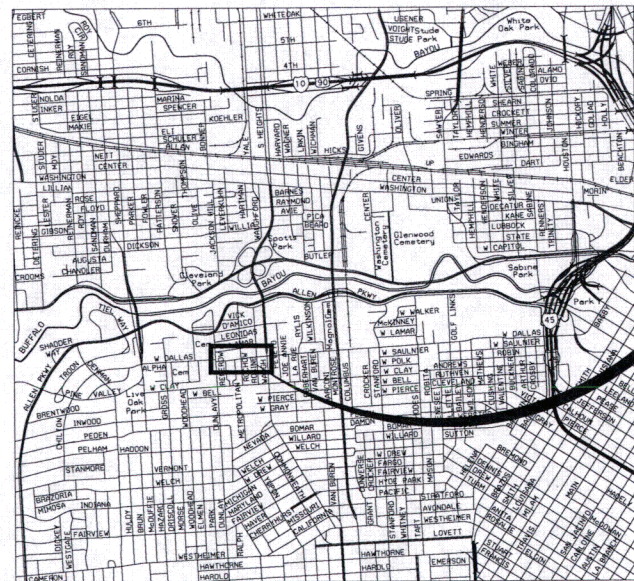
MEMORIAL-HEIGHTS REDEVELOPMENT AUTHORITY/TIRZ NO. 5

WEST DALLAS RESTRIPING PROJECT

COH WBS No. N-T05000-0009-7



LOCATION MAP
NTS

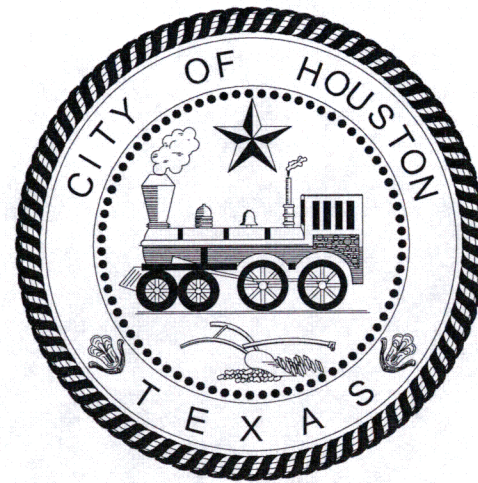


VICININTY MAP
NTS

KEY MAP No. 493A, E, F, G
GIMS TILE No. 5358A, C, D 5357A
ZIP CODE: 77019

TDLR EABPR -----

TEXAS811 NOTIFICATION SYSTEM
CALL BEFORE YOU DIG
www.texas811.org/ or
Texas811 or 1-800-344-8377



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	LETITIA PLUMMER POSITION 4
SALLIE ALCORN POSITION 5	

SEPTEMBER 2021

FINAL SUBMITTAL

THIS PLAN SET INCLUDES NO PAVING, STORM, WATER, OR SANITARY SEWER IMPROVEMENTS

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.: 832-394-9098

NOTE: BEFORE TREE PROTECTION AND SITE PREPARATION OF ANY TREE REMOVAL, CONTACT THE CITY OF HOUSTON URBAN FORESTRY DEPARTMENT AT (832) 395-8459 OR (832) 395-8456

PER FEMA PANEL No. 48201C0670M DATED JANUARY 9, 2014, THE PROJECT AREA IS PARTIALLY LOCATED WHOLLY OUTSIDE OF THE 100-YEAR AND 500-YEAR FLOODPLAINS (ZONE X UNSHADED)

<p>TEXAS Board of Professional Engineers Registration No. F-439 6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337</p>	
<p>SURVEYED BY: UNITED ENGINEERS, INC. FB NO.</p>	
<p>NOTE: CITY SIGNATURE VALID FOR ONE YEAR ONLY, AFTER DATE OF SIGNATURE.</p> <p>Director of Houston Public Works</p>	<p>FOR CITY OF HOUSTON USE ONLY</p>
<p>SHEET NO 1 OF 21 SHEETS</p>	

WEST DALLAS RESTRIPING PROJECT
JONES CARTER HOUSTON, TEXAS

GENERAL CONSTRUCTION NOTES

- 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 COLLECTIONS SYSTEMS, WATER LINES, STORM DRAINAGE, STREET PAVING, AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING PUBLISHED BY THE CITY OF HOUSTON, HOUSTON PUBLIC WORKS.
- THE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT WAS CONDUCTED IN ACCORDANCE WITH CHAPTER 11 OF THE LATEST EDITION OF THE PUBLICATION INFRASTRUCTURE DESIGN MANUAL, PUBLISHED BY HOUSTON PUBLIC WORKS. SOILS REPORT WAS PREPARED BY (GEOTECHNICAL ENGINEERING FIRM) REPORT NO. (NO. OF REPORT), DATED (DATE OF REPORT).
- UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT 713-223-4567 OR 800-344-8377 AND LONE STAR NOTIFICATION CENTER AT 800-669-8344 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION. UTILITIES MARKED WITHIN THE PUBLIC RIGHT OF WAY OR IN EASEMENTS SHALL COMPLY WITH TAC TITLE 16, PART 1, CHAPTER 18, RULE 18.6 AND THE AMERICAN PUBLIC WORKS ADMINISTRATION (APWA) UNIFORM COLOR CODE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, WASTEWATER, STORM WATER LINES, AND TRAFFIC CONTROL DEVICES. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH HOUSTON PUBLIC WORKS, 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, REFERENCED ABOVE, AT NO ADDITIONAL COST.
- CONTRACTOR SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER, HOUSTON PUBLIC WORKS @ 832-394-9098 OR VIA FAX AT 832-395-4424 FOR INSPECTION AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
- CONTRACTOR SHALL COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
- CONTRACTOR SHALL MAINTAIN A SET OF REDLINE DRAWINGS AND RECORD AS-BUILT CONDITIONS DURING CONSTRUCTION. THESE REDLINE MARKED UP DRAWINGS WILL BE SUBMITTED TO THE DESIGN CONSULTANT WHO WILL MAKE THE CHANGES ON THE ORIGINAL TRACINGS, LABEL EACH SHEET IN THE SET AS "RECORD DRAWINGS", AND RETURN IT TO THE OFFICE OF THE CITY ENGINEER.

ADDITIONAL GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR SHALL RETURN ALL EXISTING FACILITIES TO EXISTING OR BETTER CONDITION UNLESS OTHERWISE NOTED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR TO FOLLOW CONSTRUCTION DETAILS IF DRAWINGS DEVIATE FROM CITY OF HOUSTON STANDARDS.
- CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY CITY OF HOUSTON, TEXAS PRIOR TO STARTING CONSTRUCTION OF UTILITIES AND/OR CULVERTS WITHIN CITY OF HOUSTON ROAD RIGHT-OF-WAY.

URBAN FORESTRY NOTES

- CONTRACTOR AND PROJECT INSPECTOR TO MEET WITH PARKS DEPARTMENT / URBAN FORESTRY BEFORE STARTING CONSTRUCTION TO DISCUSS TREE PROTECTION AND REMOVAL. CONTACT THE DEPARTMENT AT (832)395-8459 OR AT (832)395-8459.

UTILITY NOTES

CAUTION: OVERHEAD ELECTRICAL LINES
OVERHEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DRAWINGS AS THE LINES ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE FORBIDS ACTIVITIES THAT OCCUR IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES, SPECIFICALLY:

ANY ACTIVITY WHERE PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND

OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN TEN (10) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.

PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT 713-207-2222.

ACTIVITIES ON OR ACROSS CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY
NO APPROVAL TO USE, CROSS OR OCCUPY CENTERPOINT FEE OR EASEMENT PROPERTY IS GIVEN. IF YOU NEED TO USE CENTERPOINT PROPERTY, PLEASE CONTACT OUR SURVEYING & RIGHT OF WAY DIVISION AT (713) 207-6348 OR (713) 207-5769.

CAUTION: UNDERGROUND ELECTRICAL FACILITIES
UNDERGROUND ELECTRICAL FACILITIES EXIST IN THE AREA OF THIS PROJECT. DO NOT BEGIN CONSTRUCTION UNTIL THESE FACILITIES HAVE BEEN LOCATED AND STAKED. TO HAVE THESE UNDERGROUND FACILITIES STAKED, CALL THE UTILITY COORDINATING COMMITTEE AT (713) 223-4567, OR TOLL FREE AT 1-800-669-8344, AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

CAUTION: UNDERGROUND GAS FACILITIES
THE CONTRACTOR SHALL CONTACT THE THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005, OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

-WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 207-5463 OR (713) 945-8037 (7:00 AM TO 4:30 PM) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.

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

-WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.

-FOR EMERGENCIES REGARDING GAS LINES CALL (713) 659-3552 OR (713) 207-4200.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

AT&T TEXAS/SWB T FACILITIES

- THE LOCATIONS OF AT&T TEXAS/SWB T FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL CALL 1-800-344-8377 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SWB T FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SWB T FACILITIES.
- WHEN AT&T TEXAS/SWB T FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES, THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
- THE PRESENCE OR ABSENCE OF AT&T TEXAS/SWB T UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.
- PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER MR. ROOSEVELT LEE JR. AT (713) 567-4552 OR E-MAIL HIM AT RL7259@ATT.COM, IF THERE ARE QUESTIONS ABOUT BORING OR EXCAVATING NEAR OUR AT&T TEXAS/SWB T FACILITIES.

ABBREVIATIONS

ASHP	ASPHALT	NTS	NOT TO SCALE
BLDG	BUILDING	OC	ON CENTER
CONC	CONCRETE	OCEW	ON CENTER EACH WAY
CJ	CONTROL JOINT	PGL	PROFILE GRADE LINE
DIMS	DIMENSIONS	PI	POINT OF INTERSECTION
DIP	DUCTILE IRON PIPE	PL MKR	PIPELINE MARKER
D/W OR DW	DRIVEWAY	PP	POWER POLE
DWG	DRAWING	PROP	PROPOSED
EL OR ELEV	ELEVATION	PVT	PRIVATE
EQ	EQUAL	PVMT	PAVEMENT
ER	END OF RADIUS	R	RADIUS
EXIST OR EX	EXISTING	(R)	PER RECORDS
EJ OR EXP JT	EXPANSION JOINT	RE	REFERENCE
FH	FIRE HYDRANT	ROW	RIGHT-OF-WAY
GALV	GALVANIZED	RT	RIGHT
GM	GAS METER	SAN SWR	SANITARY SEWER
GUT	GUTTER	SH	SPRINKLER HEAD
GV	GAS VALVE	SHT	SHEET
HP	HIGH PRESSURE GAS MAIN	SIM	SIMILAR
INSTR	INSTRUCTION	SP	SERVICE POLE
IP	IRON PIPE	STA	STATION
IP GM	INTERMEDIATE PRESSURE GAS MAIN	STL	STEEL
LT	LEFT	STM SWR	STORM SEWER
LT STD	LIGHT STANDARD	SV	SPRINKLER VALVE
(M)	PER MH MAPPING	S/W OR SW	SIDEWALK
MAT SCHED	MATERIALS SCHEDULE	TP	TOP OF PAVEMENT
MFR	MANUFACTURER	TYP	TYPICAL
MH	MANHOLE	UG	UNDERGROUND
NGS	NATIONAL GEOLOGICAL SURVEY	UNO OR U.N.O.	UNLESS NOTED OTHERWISE
NIC	NOT IN CONTRACT	WL	WATER LINE
(NIR)	NOT IN RECORDS	WM	WATER METER
		WV	WATER VALVE

INDEX OF DRAWINGS

1	TITLE SHEET
2-4	GENERAL NOTES
5	TRAFFIC CONTROL PLAN DETAILS
6	ROADWAY DETAIL
7-13	WEST DALLAS SIGNING AND STRIPING PLAN
14-18	PAVEMENT MARKING AND SIGNAGE PLAN DETAILS
19-20	STORM WATER POLLUTION PREVENTION PLAN
21	STORM WATER POLLUTION PREVENTION PLAN DETAILS

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

Mike Browne Date 07-27-21
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.

Mike Browne Date 07-27-21
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.

LaRoshia Upchurch Date 07/22/21
Approved for AT&T Texas SWBT underground conduit facilities ONLY. Signature valid for one year.

NO.	DATE	REVISIONS	APP.

JONES CARTER
128178
9/2/2021

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
WEST DALLAS
RESTRIPIING PROJECT
GENERAL NOTES
SHEET #1 OF 3

WBS NUMBER N-T05000-0006
DRAWING SCALE
CITY OF HOUSTON PM
DARREN WILSON, P.E.
SHEET NO. 2 OF 21

71307

STREET & BRIDGE CONSTRUCTION NOTES

- 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 MINIMUM STANDARDS ESTABLISHED IN THE INFRASTRUCTURE DESIGN MANUAL REFERENCED AT: [HTTPS://EDOCS.PUBLICWORKS.HOUSTONTX.GOV/ENGINEERING-AND-CONSTRUCTION/DESIGN-MANUALS.HTML](https://edocs.publicworks.houstontx.gov/engineering-and-construction/design-manuals.html)
- FILL AREAS ON PLANS SHALL BE FILLED IN LAYERS NOT EXCEEDING 8 IN DEPTH AND EACH COMPACTED TO NOT LESS THAN 95% STANDARD PROCTOR DENSITY PRIOR TO INSTALLATION OF WATER LINE AND FILL AREA SHALL BE SEEDED AND FERTILIZED WITHIN 10 WORKING DAYS.
- UTILITY CONTRACTOR SHALL PROVIDE TEMPORARY SILT BARRIER FENCE ON ALL NON-CURBED INLETS WHICH WILL REMAIN IN PLACE AFTER UNDERGROUND CONTRACT IS COMPLETE.
- CONTRACTOR SHALL PROVIDE SILT BARRIER FENCE ON ALL STAGE 1 CURB INLETS.
- EXISTING PAVEMENTS, CURBS, DRIVEWAYS, AND SIDEWALKS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO CITY OF HOUSTON STANDARDS, WITH LATEST ADDENDA AND AMENDMENTS THERETO.
- CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY UPON COMPLETION OF JOB SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK.
- ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO SATISFACTION OF THE OWNING AUTHORITY.
- EXPOSED 15 OF REINFORCING STEEL AT PROPOSED SAWED JOINT IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS. HORIZONTAL DOWELS SHALL BE #6 BARS 24 LONG 24 C-C DRILLED AND EMBEDDED 8 INTO THE CENTER OF THE EXISTING SLAB WITH PO ROC OR EQUAL.
- CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG AREAS OF EXCAVATION.
- CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AND STATE OF TEXAS LAWS CONCERNING EXCAVATION, TRENCHING AND SHORING AS SPECIFIED IN CITY OF HOUSTON ORDINANCE #87-1457.
- WHEEL CHAIR RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF HOUSTON STANDARDS AT ALL INTERSECTIONS WHERE SIDEWALKS EXIST AND THE EXISTING CURB OR SIDEWALK IS DAMAGED OR REMOVED DURING CONSTRUCTION.
- WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 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 SHOULD BE CONSISTENT WITH THE MINIMUM STANDARD ESTABLISHED IN THE DESIGN MANUAL FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORMS DRAINAGE AND STREET PAVING.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES TO EXISTING WATER, WASTEWATER, STORM SEWER AND TRAFFIC SIGNAL CONDUITS, ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE HOUSTON PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS WITH LATEST ADDENDA AND AMENDMENTS THERETO, AT NO COST TO THE CITY OF HOUSTON.
- PRIOR TO STREET CONSTRUCTION, THE CONTRACTOR SHALL CONTACT HOUSTON PUBLIC WORKS AT (PHONE) 832-394-9578 AND COMPLY WITH ALL REQUIREMENTS FOR THE ISSUANCE OF NECESSARY PERMITS/WORK ORDERS FOR STREET CONSTRUCTION.

STREET & BRIDGE CONSTRUCTION NOTES

- DOUBLE REFLECTORIZED BLUE TRAFFIC MARKERS SHALL BE PLACED 6-INCHES OFFSET OF THE CENTERLINE OF ALL FIRE HYDRANT LOCATIONS BY THE PAVING CONTRACTOR. HYDRANTS LOCATED AT INTERSECTIONS SHALL HAVE A BUTTON PLACED ON EACH STREET.

STORM SEWER CONSTRUCTION NOTES

- STORM SEWER SHALL BE REINFORCED CONCRETE PIPE (C-76, CLASS III), AND SHALL BE INSTALLED, BEDDED, AND BACK FILLED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWING NOS. 02317-02, 02317-3, 02317-05, 02317-06, AND 02317-07 (OCT. 2002) AS APPLICABLE UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- ALL STORM SEWER CONSTRUCTED IN SIDELOT EASMENT SHALL BE R.C.P (C-76, CLASSIII) AND SHALL BE EMBEDDED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWING NOS. 02317-02, 02317-03, 02317-05, 02317-06, AND 02317-07 AS APPLICABLE.
- ALL SEWER UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE BACKFILLED WITH 1-1/2 SACK CEMENT/C.Y. STABILIZED SAND TO WITHIN ONE (1) FOOT OF SUBGRADE. THE REMAINING DEPTH OF TRENCH SHALL BE BACKFILLED WITH SUITABLE EARTH MATERIAL.
- ALL TRENCH BACKFILL SHALL BE IN 8 1/2 LIFTS, WITH TESTS TAKEN AT 100 FOOT INTERVALS IN EACH LIFT, AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMACTION TEST (ASTM D-698/AASHTO T99).
- CIRCULAR AND ELLIPTICAL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING RUBBER GASKET JOINT CONFORMING TO ASTM C443 AND ASTM C877 RESPECTIVELY.
- ALL STORM SEWER PIPES AND INLET LEADS SHALL BE 24 AND LARGER R.C.P. (C-76, CLASSIII).
- ALL PROPOSED PIPE STUB-OUTS FROM MANHOLES AND INLET LEADS ARE TO BE PLUGGED WITH 8 BRICK WALLS UNLESS OTHERWISE NOTED.
- MINIMUM HORIZONTAL CLEARANCE BETWEEN ANY STORM PIPE AND BOX SHALL BE AT LEAST 48-INCHES FROM EXTERIOR OF THE STORM PIPE OR BOX TO THE EXTERIOR OF THE EXISTING OR PROPOSED PUBLIC OR PRIVATE UTILITY AND OTHER APPURTENANCES. MINIMUM VERTICAL CLEARANCE BETWEEN ANY STORM PIPE AND BOX SHALL BE AT LEAST 18-INCHES FROM EXTERIOR OF THE STORM PIPE OR BOX TO THE EXTERIOR OF THE EXISTING OR PROPOSED PUBLIC OR PRIVATE UTILITY AND OTHER APPURTENANCES.
- ADJUST MANHOLE COVERS TO GRADE CONFORMING TO REQUIREMENTS OF SECTION 02086-ADJUSTING MANHOLES, INLETS, AND VALVE BOXES TO GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND RESTORING ANY BACK SLOPE DRAINAGE SYSTEM DISTURBED AS A RESULT OF THIS WORK.
- ALL DITCHES SHALL BE GRADED TO PROPOSED ELEVATIONS TO INSURE PROPER DRAINAGE. ALL OUTFALLS SHALL BE PROPERLY BACKFILLED AND COMPACTED. ALL DISTURBED AREA SHALL BE REGRADED, SEEDED, AND FERTILIZED.
- ALL DRIVEWAYS WILL BE LOCATED TO AVOID EXISTING CURB INLET STRUCTURES.

SWPPP CONSTRUCTION NOTES

- CONTRACTOR SHALL 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 STORM.

SWPPP CONSTRUCTION NOTES

- DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN SHORT SEGMENTS 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 WHICH FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEEPED BACK INTO THE EXCAVATED 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 EXCAVATED 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 FINALLY 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 SODDING IS DISTURBED BY EXCAVATION OR BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING. SLOPES 4:1 OR STEEPER SHALL BE REPLACED BY BLOCK SODDING.

ABBREVIATIONS

ASHP	ASPHALT	NTS	NOT TO SCALE
BLDG	BUILDING	OC	ON CENTER
CONC	CONCRETE	OCEW	ON CENTER EACH WAY
CJ	CONTROL JOINT	PGL	PROFILE GRADE LINE
DIMS	DIMENSIONS	PI	POINT OF INTERSECTION
DIP	DUCTILE IRON PIPE	PL MKR	PIPELINE MARKER
D/W OR DW	DRIVEWAY	PP	POWER POLE
DWG	DRAWING	PROP	PROPOSED
EL OR ELEV	ELEVATION	PVT	PRIVATE
EQ	EQUAL	PWMT	PAVEMENT
ER	END OF RADIUS	R	RADIUS
EXIST OR EX	EXISTING	(R)	PER RECORDS
EJ OR EXP JT	EXPANSION JOINT	RE	REFERENCE
FH	FIRE HYDRANT	ROW	RIGHT-OF-WAY
GALV	GALVANIZED	RT	RIGHT
GM	GAS METER	SAN SWR	SANITARY SEWER
GUT	GUTTER	SH	SPRINKLER HEAD
GV	GAS VALVE	SHT	SHEET
HP	HIGH PRESSURE GAS MAIN	SIM	SIMILAR
INSTR	INSTRUCTION	SP	SERVICE POLE
IP	IRON PIPE	STA	STATION
IP GM	INTERMEDIATE PRESSURE GAS MAIN	STL	STEEL
LT	LEFT	STM SWR	STORM SEWER
LT STD	LIGHT STANDARD	SV	SPRINKLER VALVE
(M)	PER MH MAPPING	S/W OR SW	SIDEWALK
MAT SCHED	MATERIALS SCHEDULE	TP	TOP OF PAVEMENT
MFR	MANUFACTURER	TYP	TYPICAL
MH	MANHOLE	UG	UNDERGROUND
NGS	NATIONAL GEOLOGICAL SURVEY	UNO OR U.N.O.	UNLESS NOTED OTHERWISE
NIC	NOT IN CONTRACT	WL	WATER LINE
(NIR)	NOT IN RECORDS	WM	WATER METER
		WV	WATER VALVE

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

Mike Browne Date 07-27-21
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.

Mike Browne Date 07-27-21
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.
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Signature valid for six months.

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

NO.	DATE	REVISIONS	APP.

JONES CARTER
128178
SETH D. SWARINGEN
9/2/2021

SURVEYED BY:
UNITE ENGINEERS, INC.
FB NO.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
WEST DALLAS
RESTRIPIING PROJECT
GENERAL NO. 71307

WBS NUMBER
N-T05000-0006-7
DRAWING SCALE
NTS
CITY OF HOUSTON PM
DARREN WILSON, P.E.
SHEET NO. 3 OF 21

PAVING CONSTRUCTION NOTES

- PAVEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING CITY OF HOUSTON DOCUMENTS: "STANDARD CONSTRUCTION SPECIFICATIONS" AND "STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATERLINES, STORM DRAINAGE AND STREET PAVING".
- THE CONTRACTOR(S) SHALL NOTIFY CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORK AND ENGINEERING, OFFICE OF THE CITY ENGINEER, 48 HOURS PRIOR TO START OF WORK ON THIS PROJECT. TEL. NO. 713-837-7000, FAX NO. 832-395-4424.
- ALL RETURNS SHALL HAVE A 25-FOOT RADIUS AT FACE OF CURB UNLESS OTHERWISE NOTED.
- GUIDELINES SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" SHALL BE OBSERVED.
- ALL INTERSECTIONS SHALL BE CONSTRUCTED WITH WHEELCHAIR RAMPS IN ACCORDANCE WITH THE GOVERNOR'S OFFICE OF TRAFFIC SAFETY MEMORANDUM DATED MAY 6, 1976. (HIGHWAY SAFETY ACT - 1973 SECTION 288). SEE CITY OF HOUSTON ACCESSIBLE COMPLIANT CURB RAMPS AND LANDINGS DETAIL. ALL WHEELCHAIR RAMPS SHALL COMPLY WITH CURRENT "THE AMERICANS WITH DISABILITIES ACT" (A.D.A.) SPECIFICATIONS. RAMPS TO BE COLORED WITH A COLOR TO BE DETERMINED BY THE ENGINEER CONFORMING TO ASTM-C979.
- ALL FILL IN EXISTING OR PROPOSED CITY OF HOUSTON RIGHT-OF-WAY, INCLUDING BACKDRESSING BEHIND THE CURB, SHALL BE PLACED IN MAXIMUM LOOSE LIFTS OF EIGHT INCHES (8") OR LESS AND COMPACTED TO 95% OF MAXIMUM DENSITY AT -3% TO +5% MOISTURE CONTENT AS DETERMINED BY AASHTO TEST METHOD T-99.
- REFER TO THE LATEST CITY OF HOUSTON PAVEMENT MARKING DETAILS.
- SIDEWALK BULLNOSES CONSTRUCTED IN ESPLANADES SHALL BE SIX INCHES (6") THICK WITH SURFACE COLORED BLACK, WHEN CURBS ARE TEN FEET (10') AND LESS IN WIDTH FROM FACE-TO-FACE OF CURBS. FOR CONCRETE ROADWAYS, SURFACE SHALL BE COLORED BLACK. FOR ASPHALT ROADWAYS, SURFACE SHALL BE UNCOLORED.

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.

THE GENERAL NOTES THAT SHALL BE INCLUDED ON THE TRAFFIC CONTROL PLAN CAN BE FOUND IN CHAPTER 15 (15.12 TRAFFIC CONTROL PLAN) OF THE CITY OF HOUSTON'S (CITY) INFRASTRUCTURE DESIGN MANUAL (IDM). BELOW ARE SEVERAL KEY NOTES FROM THE IDM TO BE AWARE OF:

- THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) LATEST EDITION WITH REVISIONS DURING THE ENTIRE CONSTRUCTION PERIOD.
- NO WORK SHALL BE PERFORMED IN RESIDENTIAL AREAS FROM 7:00PM TO 7:00AM.
- CONTRACTOR SHALL MAINTAIN APPROVED NUMBER OF LANES OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION WORKING HOURS. TRAFFIC CONTROL PLANS SHALL INCLUDE ONE-WAY AND/OR DETOUR PLANS. CONTRACTOR SHALL MAINTAIN ADA COMPLIANT PEDESTRIAN ACCESS TO BUS STOPS AND ADEQUATE BUS ACCESS TO THE BUS STOP.
- CONTRACTOR SHALL COVER OPEN PAVEMENT EXCAVATIONS FOR MINOR UTILITY WORK WITH ANCHORED STEEL PLATES DURING NON-WORKING HOURS, OPEN LANES FOR NORMAL TRAFFIC FLOW WHEN FEASIBLE.
- CONTRACTOR SHALL SECURE LANE/SIDEWALK/BICYCLE FACILITY CLOSURE PERMITS FROM TRANSPORTATION & DRAINAGE OPERATIONS (MOBILITY PERMIT SECTION AT WWW.GIMS.HOUSTONTX.GOV) BEFORE IMPLEMENTING THE TRAFFIC CONTROL PLAN. THE APPLICATION MUST BE SUBMITTED AT LEAST TEN BUSINESS DAYS PRIOR TO THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN AND/OR BEGINNING CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS, CONSTRUCTION SEQUENCING, AND CONSTRUCTION SCHEDULE WITH THE APPLICATION.
- CONTRACTOR SHALL HAVE APPROVED TRAFFIC CONTROL PLAN AND PERMIT AT THE JOB SITE FOR INSPECTION AT ALL TIMES

TRAFFIC CONSTRUCTION NOTES

- ACCESS TO DRIVEWAYS ADJACENT TO THE CONSTRUCTION WORK ZONE SHALL BE MAINTAINED AT ALL TIMES AS MUCH AS POSSIBLE. ADDITIONAL CONES AND/OR DELINEATORS MAY BE REQUIRED TO DELINEATE THE DRIVEWAY ACCESS ROUTE THROUGH THE CONSTRUCTION WORK ZONE. A MINIMUM OF ONE TRAVEL LANE SHALL BE MAINTAINED ACROSS THE DRIVEWAY, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE CITY OF HOUSTON.
- ADDITIONAL OFF DUTY POLICE OFFICERS/FLAGGERS MAY BE REQUESTED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED AT THE DIRECTION OF THE CITY EVEN IF THEY ARE NOT SPECIFICALLY IDENTIFIED ON THE PROJECT PLANS.

METRO GENERAL NOTES

- CONTRACTOR SHALL NOTIFY METRO AT 713-615-7119 TWO WEEKS PRIOR TO MOBILIZING TO THE PROJECT SITE TO COORDINATE IMPACTS TO BUS OPERATIONS DURING CONSTRUCTION.
- CONTRACTOR SHALL CONTACT FACILITIES MAINTENANCE AT 713-615-6195 OR FACILITIESMAINTENANCE@RIDEMETRO.ORG 14 WORKING DAYS PRIOR TO PLANNED IMPACTS TO EXISTING METRO BUS STOPS TO SCHEDULE THE REMOVAL OF ANY BENCHES, WASTE RECEPTACLES, AND SIGNS AS REQUIRED.
- CONTRACTOR SHALL NOTIFY METRO AT LEAST 72 HOURS PRIOR TO PLACEMENT OF CONCRETE SUBSLAB FOR PAVERS AT BUS STOP AND ALLOW METRO TO INSPECT THE SLAB FORM FOUNDATION PRIOR TO PLACEMENT OF CONCRETE.
- CONTRACTOR SHALL COORDINATE WITH METRO, AS NECESSARY, FOR INSTALLATION OF VARIOUS FEATURES AT FINISHED BUS STOP LOCATIONS.

ABBREVIATIONS

ASHP	ASPHALT	NTS	NOT TO SCALE
BLDG	BUILDING	OC	ON CENTER
CONC	CONCRETE	OCEW	ON CENTER EACH WAY
CJ	CONTROL JOINT	PGL	PROFILE GRADE LINE
DIMS	DIMENSIONS	PI	POINT OF INTERSECTION
DIP	DUCTILE IRON PIPE	PL MKR	PIPELINE MARKER
D/W OR DW	DRIVEWAY	PP	POWER POLE
DWG	DRAWING	PROP	PROPOSED
EL OR ELEV	ELEVATION	PVT	PRIVATE
EQ	EQUAL	PVMT	PAVEMENT
ER	END OF RADIUS	R	RADIUS
EXIST OR EX	EXISTING	(R)	PER RECORDS
EJ OR EXP JT	EXPANSION JOINT	RE	REFERENCE
FH	FIRE HYDRANT	ROW	RIGHT-OF-WAY
GALV	GALVANIZED	RT	RIGHT
GM	GAS METER	SAN SWR	SANITARY SEWER
GUT	GUTTER	SH	SPRINKLER HEAD
GV	GAS VALVE	SHT	SHEET
HP	HIGH PRESSURE GAS MAIN	SIM	SIMILAR
INSTR	INSTRUCTION	SP	SERVICE POLE
IP	IRON PIPE	STA	STATION
IP GM	INTERMEDIATE PRESSURE GAS MAIN	STL	STEEL
LT	LEFT	STM SWR	STORM SEWER
LT STD	LIGHT STANDARD	SV	SPRINKLER VALVE
(M)	PER MH MAPPING	S/W OR SW	SIDEWALK
MAT SCHED	MATERIALS SCHEDULE	TP	TOP OF PAVEMENT
MFR	MANUFACTURER	TYP	TYPICAL
MH	MANHOLE	UG	UNDERGROUND
NGS	NATIONAL GEOLOGICAL SURVEY	UNO OR U.N.O.	UNLESS NOTED OTHERWISE
NIC	NOT IN CONTRACT	WL	WATER LINE
(NIR)	NOT IN RECORDS	WM	WATER METER
		WV	WATER VALVE

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Signature valid for six months.

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

NO.	DATE	REVISIONS	APP.

JONES CARTER
SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO. 9/2/2021

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
WEST DALLAS
RESTRIPING PROJECT
GENERAL NOTES
SHEET 3 OF 3
71307

WBS NUMBER N-T05000-0006
DRAWING SCAL NTS
CITY OF HOUSTON PM DARREN WILSON, P.E.
SHEET NO. 4 OF 21

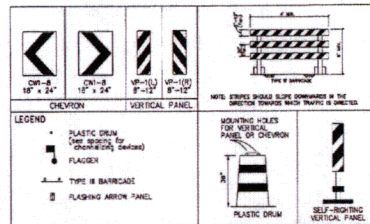
GENERAL NOTES

- The Contractor shall provide and install traffic control devices in accordance with Part IV of the Texas Manual on Traffic Control Devices (TMTC).
- All signs shall be placed during the hours of 07:00 AM to 05:00 PM and 07:00 PM to 05:00 PM, the hours of the City Traffic Engineer.
- Signs shall be placed during the hours of 07:00 AM to 05:00 PM and 07:00 PM to 05:00 PM, the hours of the City Traffic Engineer.
- Approved signs shall be placed in accordance with TMTC Part IV 2.03.04.
- Contractor shall maintain approved number of traffic signs in each direction during working hours. Traffic signs shall not be removed or replaced during working hours. Contractor shall maintain ADA compliant pedestrian access to bus stop and adequate bus access to all bus stops.
- Contractor shall maintain traffic signs and devices according to traffic control plan during working hours.
- Contractor shall cover overhead pedestrian crossings for street utility work with approved steel plates during the working hours, and open them for normal traffic flow when feasible.
- If the Contractor elects to use a different method of "Traffic Control Plan" during the construction than what is indicated by the approved drawings, the Contractor shall be responsible for proper and adequate traffic control plan of the City of Houston Project Manager. The Contractor shall provide a copy of the proposed traffic control plan to the City Traffic Engineer for review and approval. These plans shall be drawn to scale and shall be submitted to a Licensed Engineer in the State of Texas. Transportation & Energy Department approval is required to accept the proposed design.
- Contractor shall ensure that all traffic signs are visible from Transportation & Energy Department (City Traffic Engineer) at all times. Signs shall be placed in accordance with the approved drawings. Contractor shall ensure that all signs are visible from the City Traffic Engineer at all times.
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- Contractor shall be responsible for safety of work displayed in all construction, utility companies, and all other work pertaining to construction work associated with this project.
- Working in close proximity to the Contractor at the responsibility for safe conditions during the construction of the project, including safety of all workers, pedestrians, motorists, and the equipment shall be the responsibility of the Contractor.
- The Contractor shall ensure that all signs are visible from the City Traffic Engineer at all times. Signs shall be placed in accordance with the approved drawings. Contractor shall ensure that all signs are visible from the City Traffic Engineer at all times.
- All working hours, traffic signs and pavement markings shall be maintained in a safe condition during construction unless otherwise approved in writing by the City Traffic Engineer. The Contractor shall maintain or replace all signs and pavement markings in accordance with the approved drawings. Contractor shall ensure that all signs are visible from the City Traffic Engineer at all times.
- When working in close proximity to the Contractor at the responsibility for safe conditions during the construction of the project, including safety of all workers, pedestrians, motorists, and the equipment shall be the responsibility of the Contractor.
- Access to emergency vehicles to the construction work area shall be maintained at all times as much as possible. Additional access may be required to provide the emergency services to the construction site. A minimum of 10 feet clearance shall be maintained around the site, unless otherwise approved in writing by the City Traffic Engineer.
- Signage shall be placed during construction along or across any public roadway that is required to be maintained by the Contractor.
- The Contractor shall submit an application for temporary parking restrictions if there are parking meters located at the proposed work location. The Contractor shall ensure that all signs are visible from the City Traffic Engineer at all times. Signs shall be placed in accordance with the approved drawings. Contractor shall ensure that all signs are visible from the City Traffic Engineer at all times.
- In general, a wider pavement facility where located shall be maintained at all times throughout the project. Exceptions to facility width shall be maintained in accordance with the approved drawings. Contractor shall ensure that all signs are visible from the City Traffic Engineer at all times.
- Approved traffic control plan shall be in place before starting any construction.

SPACING FOR CHANNELIZING DEVICES

- Narrow channel spacing (2'-0" to 4'-0") shall be used for narrow channel spacing (2'-0" to 4'-0") and narrow channel spacing (2'-0" to 4'-0").
- Medium channel spacing (4'-0" to 6'-0") shall be used for medium channel spacing (4'-0" to 6'-0") and medium channel spacing (4'-0" to 6'-0").
- Wide channel spacing (6'-0" to 8'-0") shall be used for wide channel spacing (6'-0" to 8'-0") and wide channel spacing (6'-0" to 8'-0").
- Concrete Traffic Barrier (CTB) or Low Profile Concrete Traffic Barrier (LPCTB) with approved channel spacing (2'-0" to 4'-0") shall be used for narrow channel spacing (2'-0" to 4'-0").
- Plastic drum channel spacing (2'-0" to 4'-0") shall be used for narrow channel spacing (2'-0" to 4'-0").
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CHANNELIZATION AND BARRICADES



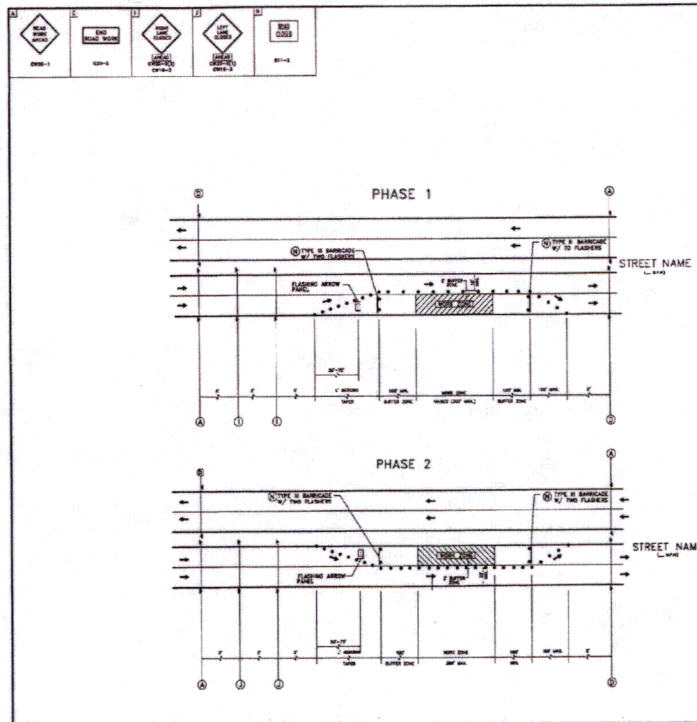
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		Channel	Flagger	Channel	Flagger
20	120	100	100	100	100
30	240	200	200	200	200
40	360	300	300	300	300
50	480	400	400	400	400
60	600	500	500	500	500

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

TOP NOTES
CHANNELIZATION DEVICES AND BARRICADES
(NOT TO SCALE)

CITY TRAFFIC ENGINEER: *Mark L. My...*
CITY ENGINEER: *Carl G. G...*

DATE: JUL-01-2018 DWD NO: 01512-01



- LEGEND**
- ◀ SIGN
 - FLAGGER
 - ▬ APPROVED CHANNELIZATION DEVICE
 - ➡ TRAFFIC FLOW
 - ▨ CONSTRUCTION AREA

- NOTE:**
- SEE THE NOTES AND DIMENSIONS BARRICADES AND CHANNELIZATION DEVICES.
 - CHANNEL DEVICES SHALL BE USED ONLY ON ROADWAYS WITH A WIDTH OF 20 FEET OR GREATER.
 - FOR DIMENSIONS REFER TO SHEET 0152-01.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

TOP ONE LANE CLOSURE
PHASE 1 & 2
(NOT TO SCALE)

CITY TRAFFIC ENGINEER: *Mark L. My...*
CITY ENGINEER: *Carl G. G...*

DATE: JUL-01-2018 DWD NO: 01512-04

POSTED SPEED 30 MPH

NO.	DATE	REVISIONS	APP.

JONES CARTER
128178
9/2/2021

STATE OF TEXAS
SETH D. SWARINGEN
LICENSED PROFESSIONAL ENGINEER

SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO.

Seth D. Swaringen, P.E.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WEST DALLAS
RESTRIPING PROJECT

TRAFFIC CONTROL PLAN
DETAIL

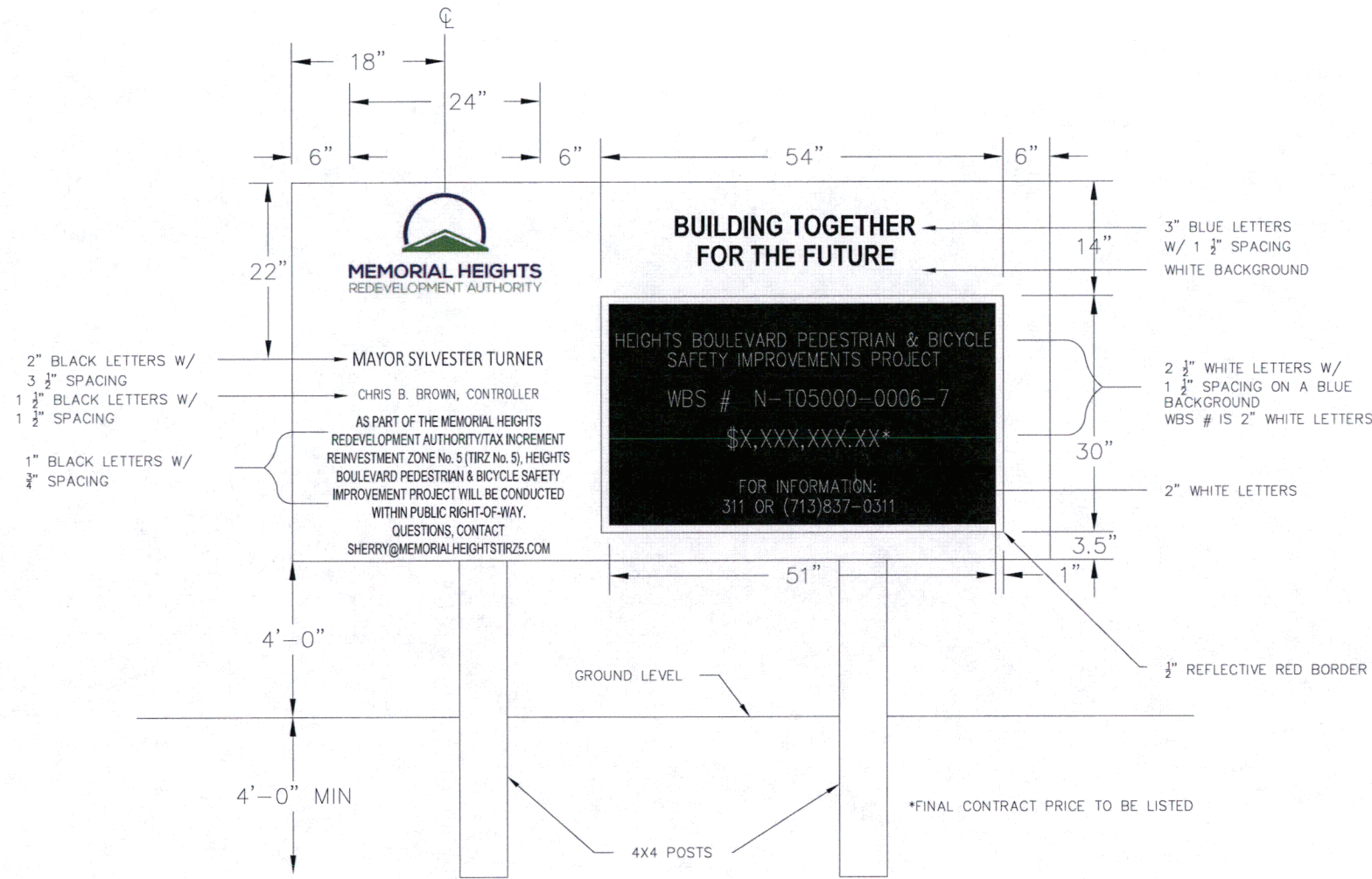
SHEET 1 OF 1

FOR CITY OF HOUSTON USE ONLY

71307

CITY OF HOUSTON PM
DARREN WILSON, P.E.

SHEET NO. 5 OF 21



NO.	DATE	REVISIONS	APP.

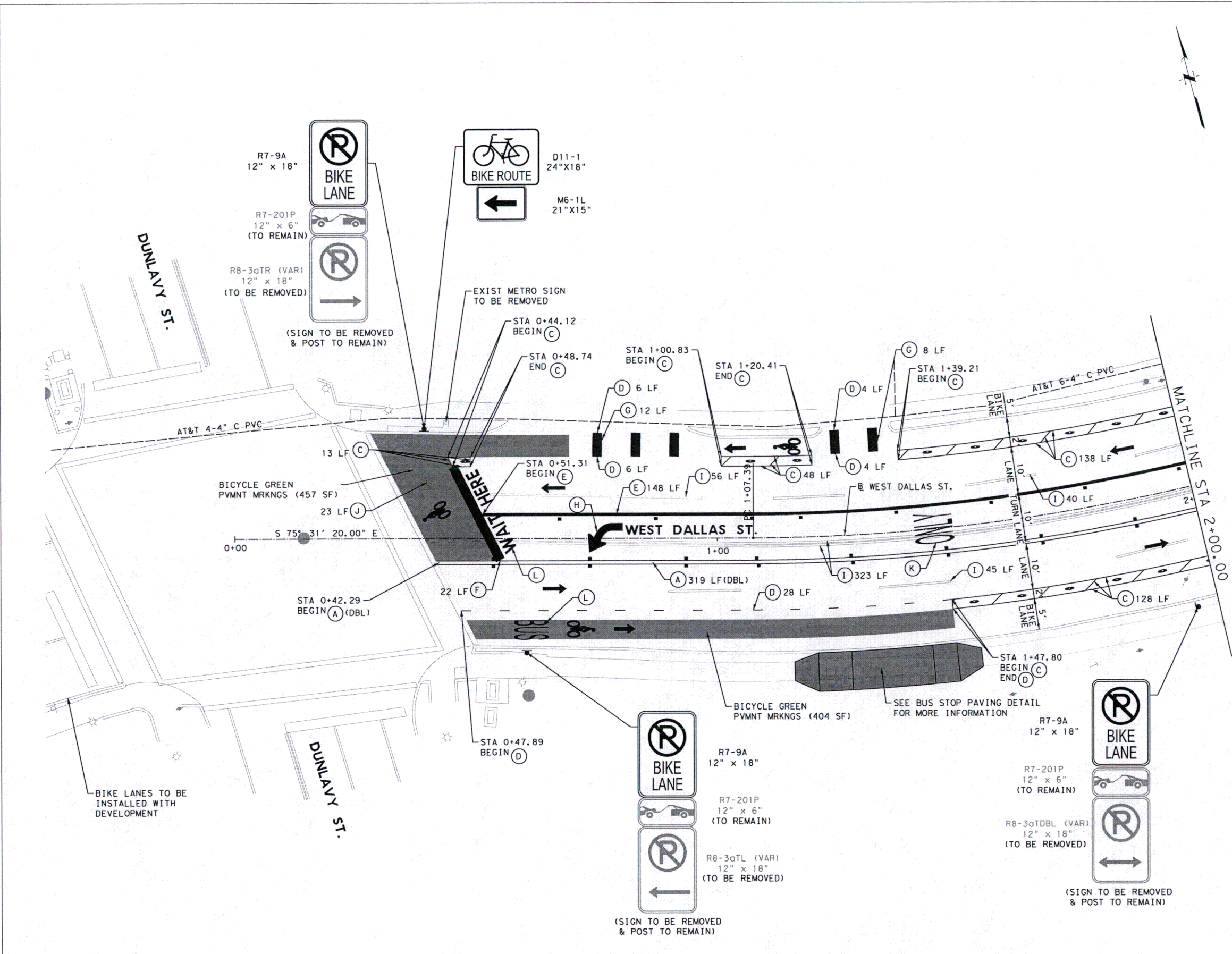
JONES | CARTER
New York, NY • Dallas, TX • Houston, TX • Los Angeles, CA • San Francisco, CA

SURVEYED BY:
 UNITED ENGINEERS, INC. *Seth Swaringen, P.E.*
 FB NO. 9/2/2021

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 WEST DALLAS
 RESTRIPIING PROJECT
 ROADWAY DETAIL

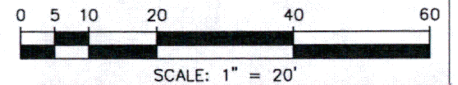
WBS NUMBER	N-T05000-0006-7
DRAWING SCALE	NTS
CITY OF HOUSTON PROJECT	DARREN WILSON, P.E.
SHEET NO.	6 OF 21

SHEET 1 OF 1
 FOR CITY OF HOUSTON USE ONLY
71307



LEGEND

- (A) YS4-A20
- (B) YB4-A40
- (C) WS6
- (D) WG6
- (E) WS6-C20
- (F) WS24
- (G) GB24
- (H) WS LEFT TURN ARROW REMOVE EXIST (4")
- (I) REMOVE EXIST (4")
- (J) REMOVE EXIST (24")
- (K) WS WORD
- (L) YB4
- (M) WB6
- (N) WS12
- BIKE LANE
- PROP ARMADILLO
- EXIST SIGN
- PROP SIGN
- DIRECTION OF TRAVEL



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NO.	DATE	REVISIONS	APP.

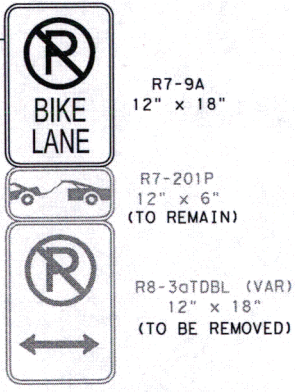
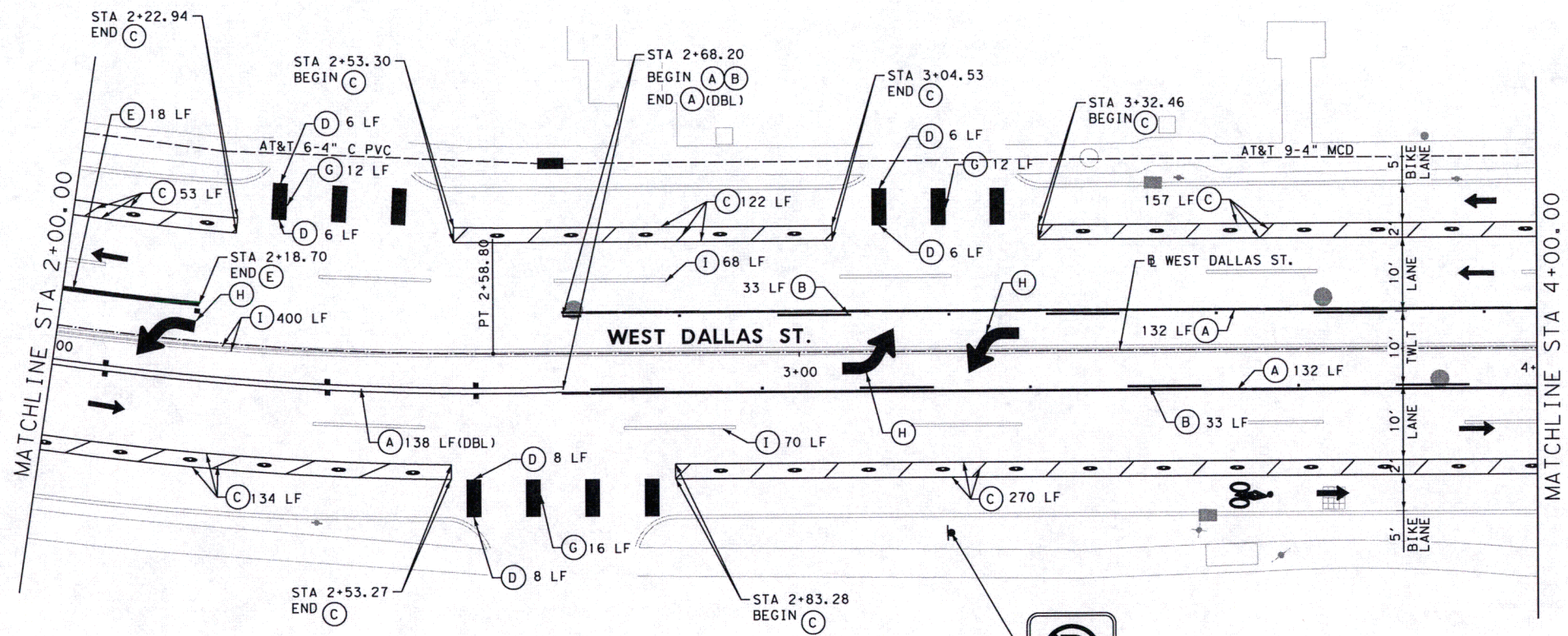
JONES CARTER
 SETH D. SWARINGEN
 128178
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. _____
 9/30/21

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

WEST DALLAS
 RESTRIPIING PROJECT
 WEST DALLAS STOPPING
 AND STRIPING PLAN

SHEET 1 OF 7

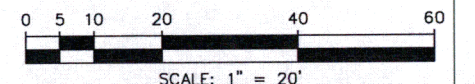
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-T05000-0006-7	71307
DRAWING SCALE	
HORIZ. 1"=20'	
CITY OF HOUSTON	
DARREN WILSON, P.E.	
SHEET NO. 7 OF 21	



(SIGN TO BE REMOVED & POST TO REMAIN)

LEGEND

- (A) YS4-A20
- (B) YB4-A40
- (C) WS6
- (D) WG6
- (E) WS6-C20
- (F) WS24
- (G) GB24
- (H) WS LEFT TURN ARROW
- (I) REMOVE EXIST (4")
- (J) REMOVE EXIST (24")
- (K) WS WORD
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NO.	DATE	REVISIONS	APP.

JONES CARTER
 128178

STATE OF TEXAS
 SETH D. SWARINGEN
 128178
Seth Swaringen, P.E.
 9/30/21

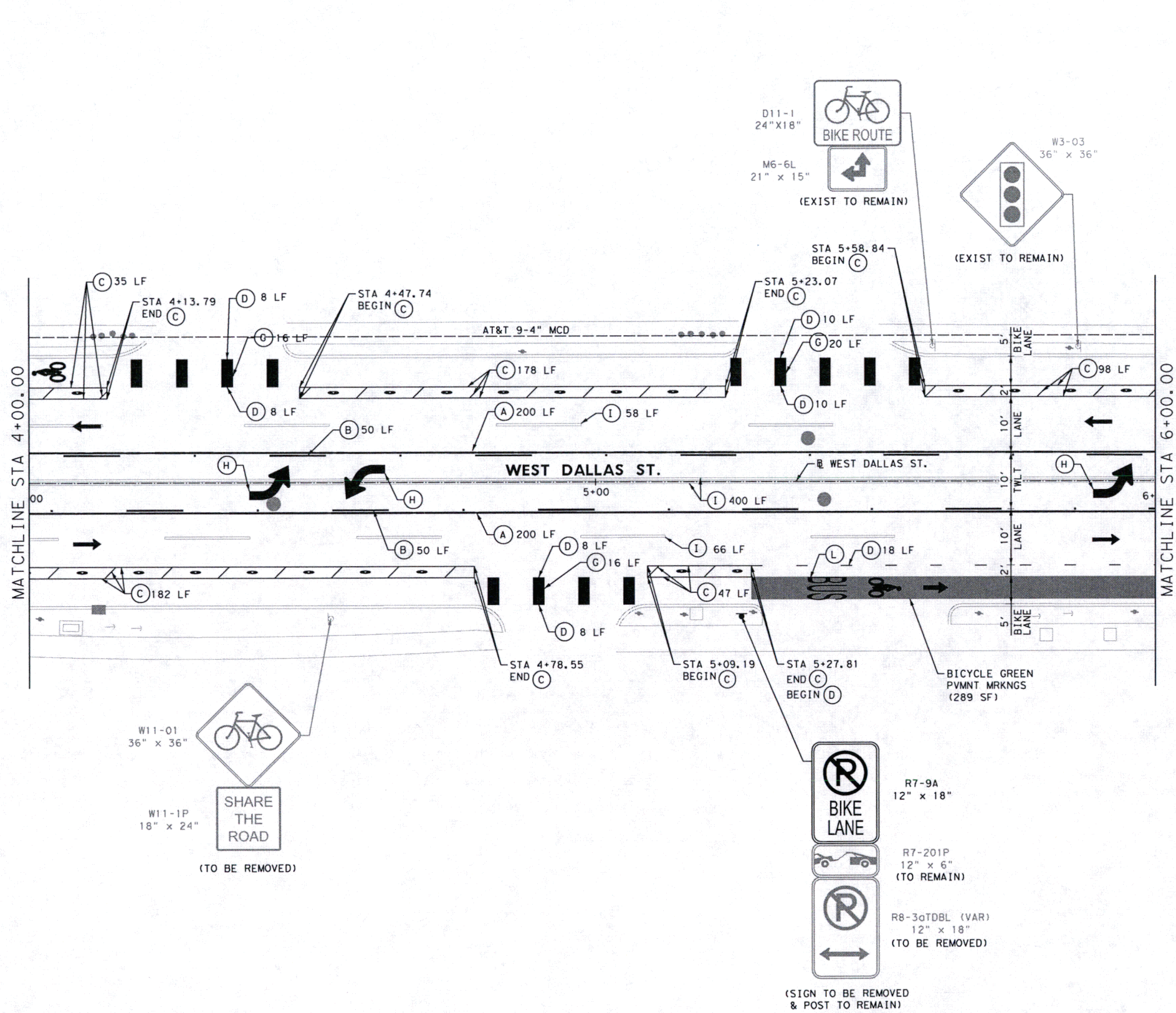
CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

WEST DALLAS
 RESTRIPIING PROJECT

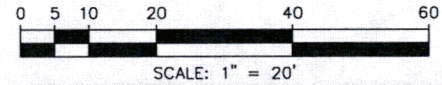
WEST DALLAS SIGNING
 AND STRIPING PLAN

SHEET 2 OF 7

WBS NUMBER	FOR CITY OF HOUSTON-USE ONLY
N-T05000-0006	71307
DRAWING SCALE	HORIZ. 1"=20'
CITY OF HOUSTON PM	DARREN WILSON, P.E.
SHEET NO. 8 OF 21	HOUSTON, TEXAS



- LEGEND**
- (A) YS4-A20
 - (B) YB4-A40
 - (C) WS6
 - (D) WG6
 - (E) WS6-C20
 - (F) WS24
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 - ← BIKE LANE
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LaRaele Upchurch Date 07/22/21
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NO.	DATE	REVISIONS	APP.

JONES CARTER
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 SETH D. SWARINGEN
 128178
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. *Seth Swearingen, P.E.*
 9/28/2021

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

WEST DALLAS
 RESTRIPIING PROJECT
 WEST DALLAS SIGNING
 AND STRIPIING PLAN
 SHEET 3 OF 7

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-T05000-0006-7	71307
DRAWING SCALE	
HORIZ. 1"=20'	
CITY OF HOUSTON P.M. DARREN WILSON, P.E.	
SHEET NO. 9 OF 21	

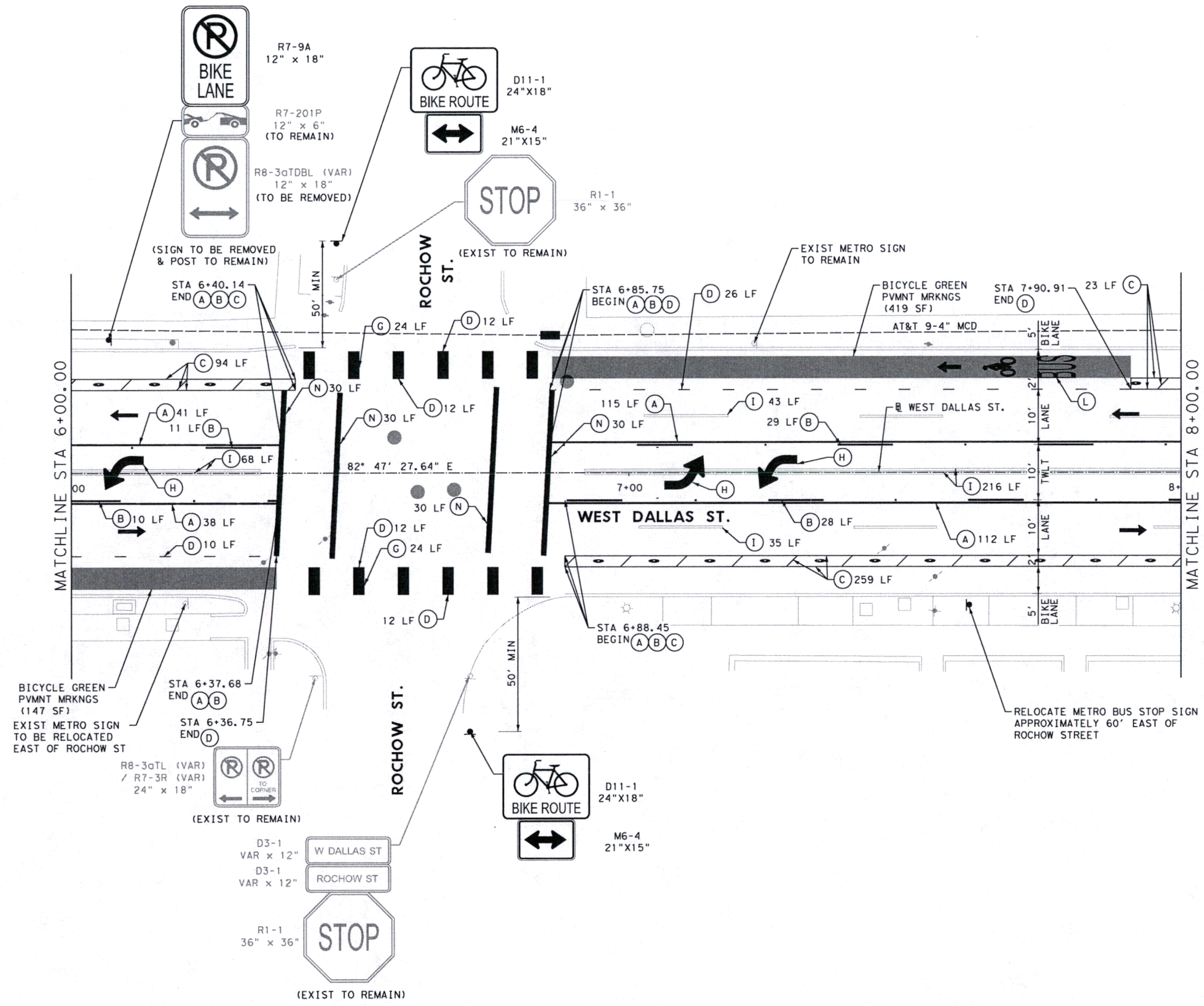
W11-01
36" x 36"

 W11-1P
18" x 24"
 SHARE THE ROAD
 (TO BE REMOVED)

R7-9A
12" x 18"

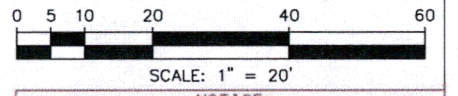
 R7-201P
12" x 6"
(TO REMAIN)

 R8-30TDBL (VAR)
12" x 18"
(TO BE REMOVED)
 (SIGN TO BE REMOVED & POST TO REMAIN)



LEGEND

- (A) Y54-A20
- (B) YB4-A40
- (C) WS6
- (D) W66
- (E) WS6-C20
- (F) WS24
- (G) GB24
- (H) WS LEFT TURN ARROW
- (I) REMOVE EXIST (4")
- (J) REMOVE EXIST (24")
- (K) WS WORD
- (L) YB4
- (M) WB6
- (N) WS12
- ← BIKE LANE
- ← PROP ARMADILLO
- ◻ EXIST SIGN
- ◻ PROP SIGN
- ← DIRECTION OF TRAVEL



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
Mike Browne Date 07-27-21
 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.

Mike Browne Date 07-27-21
 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.

Debra Upchurch Date 07/22/21
 Approved for AT&T Texas SBT underground conduit facilities ONLY. Signature valid for one year.

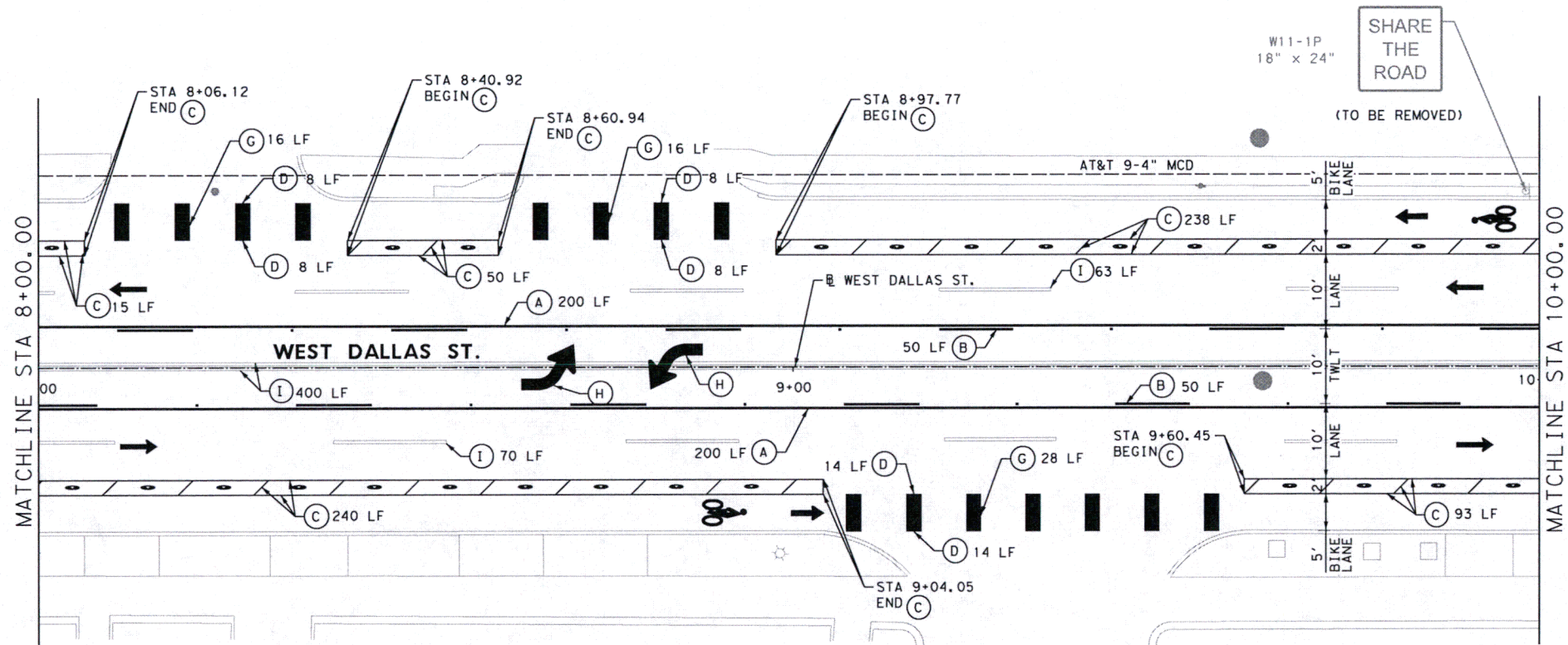
NO.	DATE	REVISIONS	APP.

JONES CARTER
 SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. *Seth Swaringen, P.E.*
 9/28/2021

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 WEST DALLAS
 RESTRIPIING PROJECT
 WEST DALLAS SIGNING
 AND STRIPIING PLAN

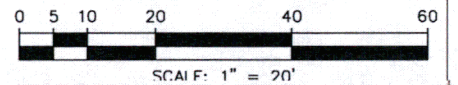
WBS NUMBER	N-T05000-0006
DRAWING SCALE	HORIZ. 1"=20'
CITY OF HOUSTON PM.	DARREN WILSON, P.E.
SHEET NO. 10 OF 21	SHEET 4 OF 7

71307



LEGEND

- (A) YS4-A20
- (B) YB4-A40
- (C) WS6
- (D) WG6
- (E) WS6-C20
- (F) WS24
- (G) GB24
- (H) WS LEFT TURN ARROW
- (I) REMOVE EXIST (4")
- (J) REMOVE EXIST (24")
- (K) WS WORD
- (L) YB4
- (M) WB6
- (N) WS12
- BIKE LANE
- PROP ARMADILLO
- EXIST SIGN
- PROP SIGN
- DIRECTION OF TRAVEL



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 Signature valid for six months.

Debra K. Upchurch Date 07/22/21
 Approved for AT&T Texas SMT underground conduit facilities ONLY. Signature valid for one year.

NO.	DATE	REVISIONS	APP.

JONES CARTER

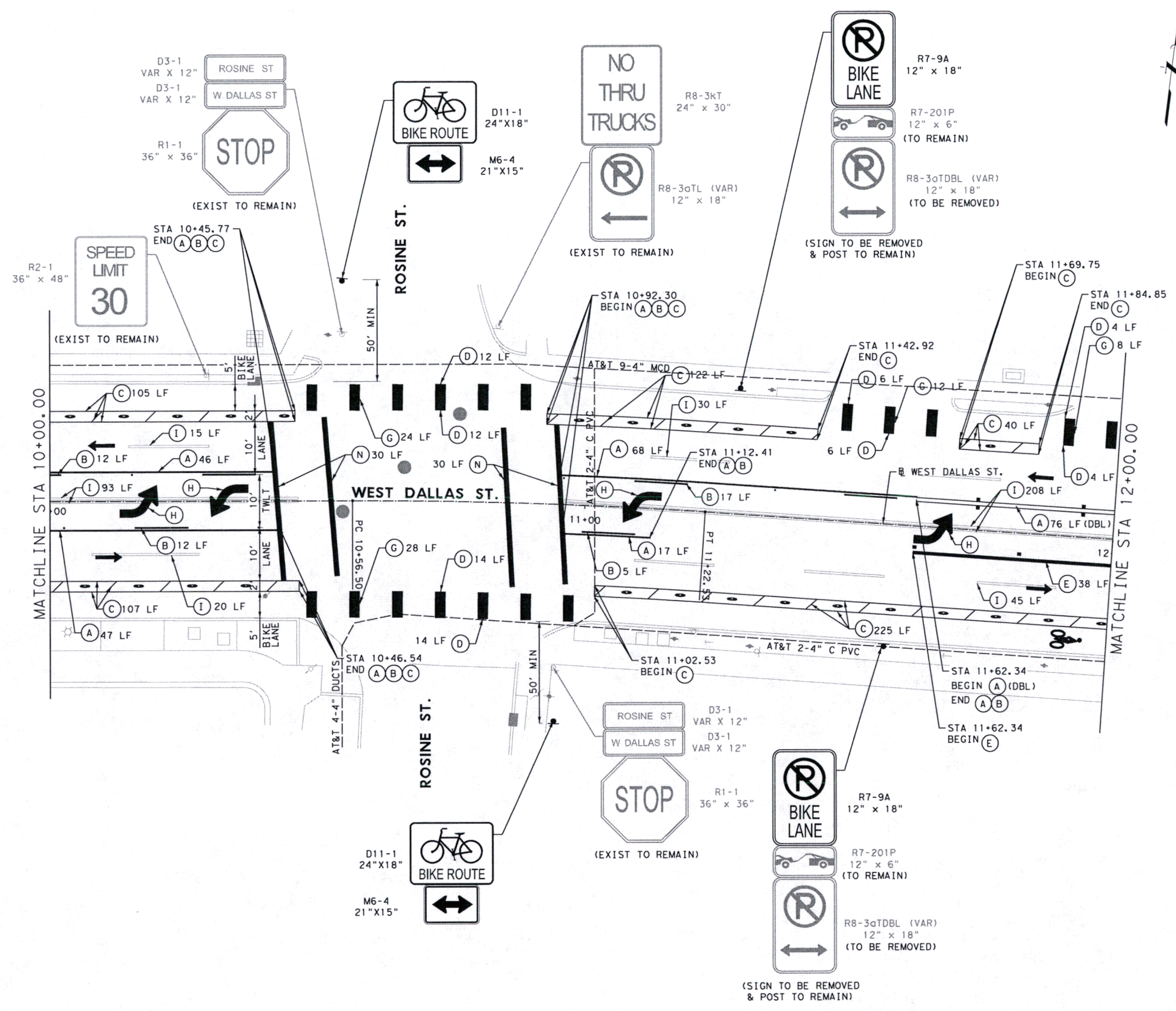
SETH D. SWARINGEN
 128178
 LICENSED PROFESSIONAL ENGINEER
 9/28/2021

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO.

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 WEST DALLAS
 RESTRIPIING PROJECT
 WEST DALLAS SIGNING
 AND STRIPING PLAN

SHEET 5 OF 7

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-T05000-0006-7	71307
DRAWING SCALE	HORIZ. 1"=20'
CITY OF HOUSTON PM	DARREN WILSON, P.E.
SHEET NO. 11 OF 21	



LEGEND

(A) YS4-A20	(K) WS WORD
(B) YB4-A40	(L) YB4
(C) WS6	(M) WB6
(D) WG6	(N) WS12
(E) WS6-C20	BIKE LANE
(F) WS24	PROP ARMADILLO
(G) GB24	EXIST SIGN
(H) WS LEFT TURN ARROW	PROP SIGN
(I) REMOVE EXIST (4")	DIRECTION OF TRAVEL
(J) REMOVE EXIST (24")	

0 5 10 20 40 60
SCALE: 1" = 20'

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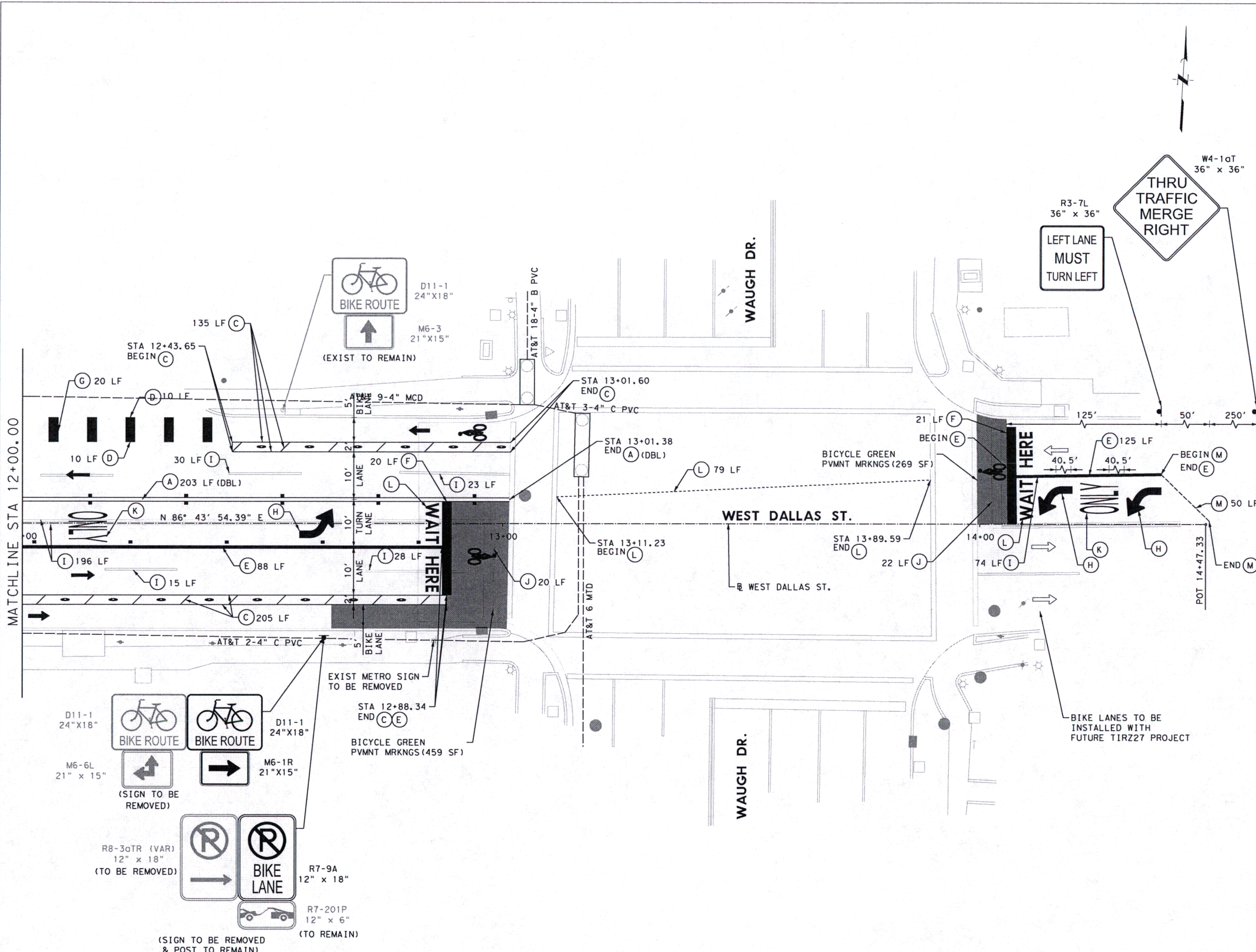
Mike Brown Date 07-27-21
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.
(This signature verifies existing underground facilities - not to be used for conflict verification)
Signature valid for six months.

LoRaine Upchurch Date 07/22/21
Approved for AT&T Texas SWBT underground conduit facilities ONLY. Signature valid for one year.

NO.	DATE	REVISIONS	APP.

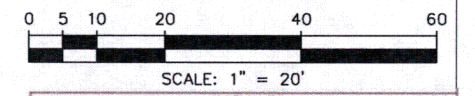
JONES CARTER
12817B
SURVEYED BY:
UNITE ENGINEERS, INC.
FB NO. *Seth D. Swaringen, P.E.*
9/30/21

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
WEST DALLAS
RESTRIPING PROJECT
WEST DALLAS SIGNING
AND STRIPING PLAN
SHEET 6 OF 7
WBS NUMBER FOR CITY OF HOUSTON USE ONLY
N-T05000-0006-
DRAWING SCALE
HORIZ. 1"=20'
CITY OF HOUSTON PM
DARREN WILSON, P.E.
SHEET NO. 12 OF 21
71307



LEGEND

- (A) YS4-A20
- (B) YB4-A40
- (C) WS6
- (D) WG6
- (E) WS6-C20
- (F) WS24
- (G) GB24
- (H) WS LEFT TURN ARROW
- (I) REMOVE EXIST (4")
- (J) REMOVE EXIST (24")
- (K) WS WORD
- (L) YB4
- (M) WB6
- (N) WS12
- BIKE LANE
- PROP ARMADILLO
- EXIST SIGN
- PROP SIGN
- DIRECTION OF TRAVEL



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 (This signature verifies existing underground facilities - not to be used for conflict verification)
 Signature valid for six months.

Debra Spivey Date 07/22/21
 Approved for AT&T Texas S&MT underground conduit facilities ONLY. Signature valid for one year.

NO.	DATE	REVISIONS	APP.

JIC JONES CARTER

STATE OF TEXAS
 MATH D. SWARINGER
 128178
 9/30/21

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. _____

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 WEST DALLAS
 RESTRIPIING PROJECT

**WEST DALLAS SIGNING
 AND STRIPING PLAN**

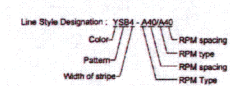
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-T05000-0006-	71307
DRAWING SCALE	HORIZ. 1"=20'
CITY OF HOUSTON PM	DARREN WILSON, P.E.
SHEET NO. 13 OF 21	SHEET 7 OF 7

GENERAL PAVEMENT MARKING NOTES

- PRIOR TO START OF CONSTRUCTION, ALL EXISTING PAVEMENT MARKINGS WITHIN THE AREA OF CONSTRUCTION SHALL BE INVENTORIED AND DOCUMENTED JOINTLY BY THE CITY ENGINEER AND THE CONTRACTOR. THIS DOCUMENT WILL BE JOINTLY SIGNED BY BOTH PARTIES. ALL EXISTING PAVEMENT MARKINGS AND LANE CONFIGURATIONS WILL BE DUPLICATED AGAIN. THIS REVIEW CAN BE DONE IN CONJUNCTION WITH SIGN INVENTORY. THE CONTRACTOR IS HELD ACCOUNTABLE FOR EXISTING AND TEMPORARY CONSTRUCTION PAVEMENT MARKINGS THROUGHOUT THE PROJECT AND THE PROJECT'S COMPLETION.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO CITY OF HOUSTON STANDARDS AND SPECIFICATIONS AND GENERAL GUIDELINES OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUD).
- THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
- THE DESIGN SPEED FOR THE ROAD IS: _____ THE POSTED SPEED LIMIT IS: _____
- ALL LANE DIMENSIONS ARE FROM CENTER OF LANE LINE, CENTER OF DOUBLE LANE LINE, FACE OF CURB, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE PAVEMENT MARKING DIMENSIONS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONAL DETAILS AND STANDARDS WHEN INSTALLING PAVEMENT MARKINGS AND STRIPES.
- THE FINAL LONGITUDINAL STRIPES SHALL BE 80 MIL (0.800) THICK (NOT SPARTER) THERMOPLASTIC PLACED OVER THE TEMPORARY STRIPES WITHIN 14 TO 16 CALENDAR DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER. ALL OTHER PAVEMENT MARKINGS SHALL BE APPLIED AT THE SAME TIME. TEMPORARY STRIPING SHALL BE WATER BRASHED PAINT.
- ALL FINAL TRANSVERSE MARKINGS SHALL BE 80 MIL (0.800) THICK (NOT SPARTER) THERMOPLASTIC. ALL PAVEMENT MARKINGS AND LEGENDS SHALL ALSO BE 80 MIL (0.800) THICK (NOT SPARTER) THERMOPLASTIC. THERMOPLASTIC APPLICATIONS MAY BE USED IF ONLY APPROVED BY THE CITY TRAFFIC ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS OF FINAL SURFACE CONFORMING TO THE CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 20 FEET APART ALONG THE LINES TO BE MARKED. IN TAUNGT SECTION OF A ROAD WHERE THE PAVEMENT MARKING PATTERN DOES NOT CHANGE, CONTROL POINTS CAN BE SET AT 200 FEET SPACING. THE LAYOUT AND POSITION OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY CITY OF HOUSTON REPRESENTATIVE PRIOR TO THE APPLICATION OF MATERIAL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET NO MORE THAN ONE FOOT CLEAR OF THE CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER.
- ALL RAISED PAVEMENT MARKERS (RPM) SHALL BE INSTALLED SO THAT THE REFLECTIVE FACE OF EACH MARKER IS FACING THE DIRECTION OF TRAFFIC AND IS PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW. TYPE C PAVEMENT MARKERS SHALL BE INSTALLED SO THAT THE CLEAR FACE OF EACH MARKER IS FACING THE APPROACHING TRAFFIC FLOW AND PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
- ALL REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED IN ACCORDANCE TO CITY OF HOUSTON STANDARDS SPECIFICATION (SPE). APPLYING OVER EXISTING PAVEMENT MARKINGS DOES NOT CONSTITUTE AS APPROVED OR BIDDING METHOD.
- THE ENGINEER OF RECORD SHALL BE REQUIRED TO PROVIDE AS-BUILT OF PAVEMENT MARKING PLANS WITHIN 90 DAYS AFTER COMPLETION OF PAVEMENT MARKING IMPLEMENTATION.
- ALL RISES MAY BE PLACED ADJACENT TO FINE HYDRANTS WITH THE APPROVAL OF THE CITY TRAFFIC ENGINEER.
- FOR ALL CONSTRUCTION, ALL PAVEMENT MARKINGS AND SIGNING SHALL BE INSTALLED AND QUALITY CHECKED BY THE PROJECT ENGINEER BEFORE FINAL INSPECTION AND ACCEPTANCE OF PAVEMENT MARKINGS SHALL BE PERFORMED BY TRANSPORTATION & SIGNALING OPERATIONS REPRESENTATIVE (T3-803-356).

Line Series	Color	Description	Width Inches	Typical Applications
WB	White	Broken (10 stripe w/ 30' gap)	4"	Lane lines between travel lanes in the same direction where changing of lanes is permitted.
WG	White	Solid	4"	Edge lines to delineate the right edge of the roadway.
WG	White	Guide (7 stripe w/ 6' gap)	6"	Left edge of bicycle lane and lane lines between travel lanes in the same direction where changing of lanes is discouraged.
YG	Yellow	Solid	12"	Perpendicular crosswalk lines.
YG	Yellow	Double Solid	24"	Stop bars at intersections (signalized and unsignalized).
YB	Yellow	Double Broken	12", 24"	Warning at high visibility crosswalks.
YB	Yellow	Broken (10 stripe w/ 30' gap)	4"	Diagonal hatching used in zones between same direction of travel lanes.
YB (BKE)	Yellow	Broken (5' stripe w/ 9' gap)	4"	Hatching at high visibility intersections.
YB	Yellow	Solid & Broken (12 stripe w/ 30' gap)	4"	Diagonal hatching used in zones between same direction of travel lanes.
YB	Yellow	Broken (10 stripe w/ 30' gap)	4"	Guides lines through intersections.
YB	Yellow	Solid & Broken (12 stripe w/ 30' gap)	4"	Layer lines for turn lanes.
YB	Yellow	Broken (10 stripe w/ 30' gap)	4"	Guides lines for bicycle lanes.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Edge lines to delineate the left edge of a divided roadway, a one-way road, or ramp.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Diagonal hatching used in zones between opposing direction of travel lanes.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Centerline that separates opposing travel lanes and delineation of median islands.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Defines the edges of center reversible lanes that are used as TWLTLs during intermittent periods.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Separates travel lanes in opposite directions where passing is permitted in both directions of travel.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Separates travel lanes in opposite directions where passing is permitted in one direction and prohibited in the opposite direction.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Used for edge of two-way left-turn lanes (TWLTL).
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Separates bicycle travel lanes in opposite directions where passing is permitted in both directions of travel.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Separates bicycle travel lanes in opposite directions where passing is permitted in one direction and prohibited in the opposite direction.
YB	Yellow	Double Broken	4" - 4" - 4" (gap)	Used for edge of two-way left-turn lanes (TWLTL).
BI-CYCLE GREEN	Green	Solid Colored Pavement	Varies	Pre/Post crossing.
BI-CYCLE GREEN	Green	Solid Colored Pavement	Varies	Vehicle / Bike Conflict Area.
YIELD LINE	White	Triangle	18" x 24"	Mid-Block crossing.

RRPM Types	Color	COH Spec. Sec. 02754 (Equivalent)	Description
C	Clear	Type I-C	Approach face that reflects white light, and the other side does not reflect.
R	Clear & Red	Type II-C-R	Approach face that reflects white light, and the other side reflects red light.
A	Amber & Amber	Type II-A-A	Approach face and the other side both reflect amber light.

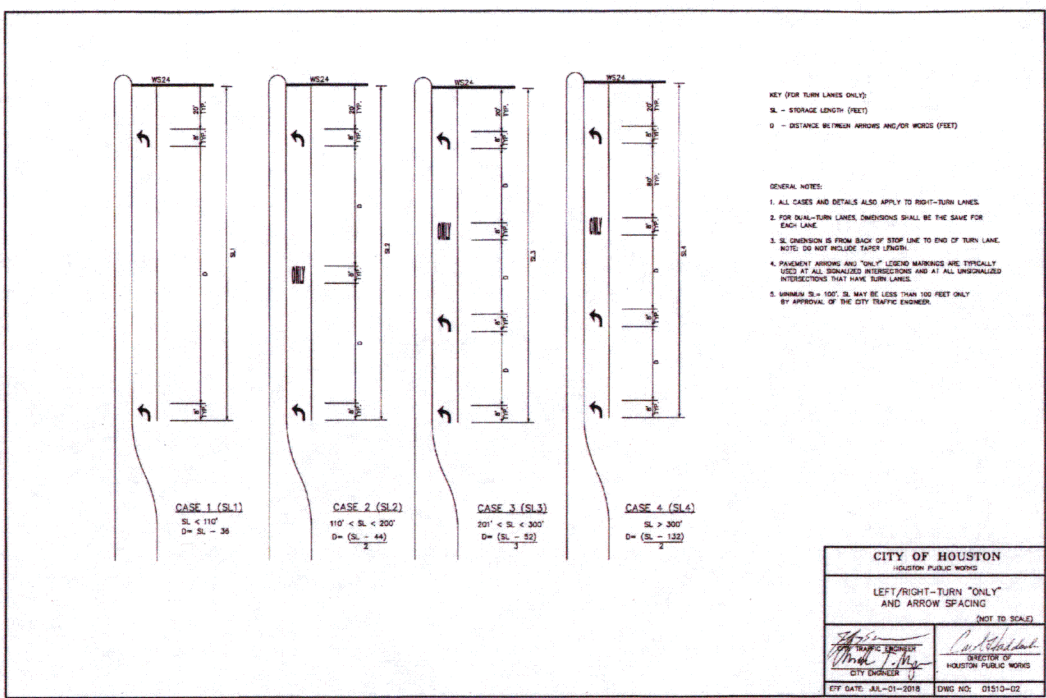


CITY OF HOUSTON
HOUSTON PUBLIC WORKS

GENERAL NOTES AND LEGENDS
(NOT TO SCALE)

[Signatures]
CITY ENGINEER
CITY ENGINEER

DTY DATE: 04-01-2018 DWG NO: 01510-01



KEY FOR TURN LANES ONLY:
SL = STRIPE LENGTH (FEET)
D = DISTANCE BETWEEN STRIPES (FEET)

GENERAL NOTES:

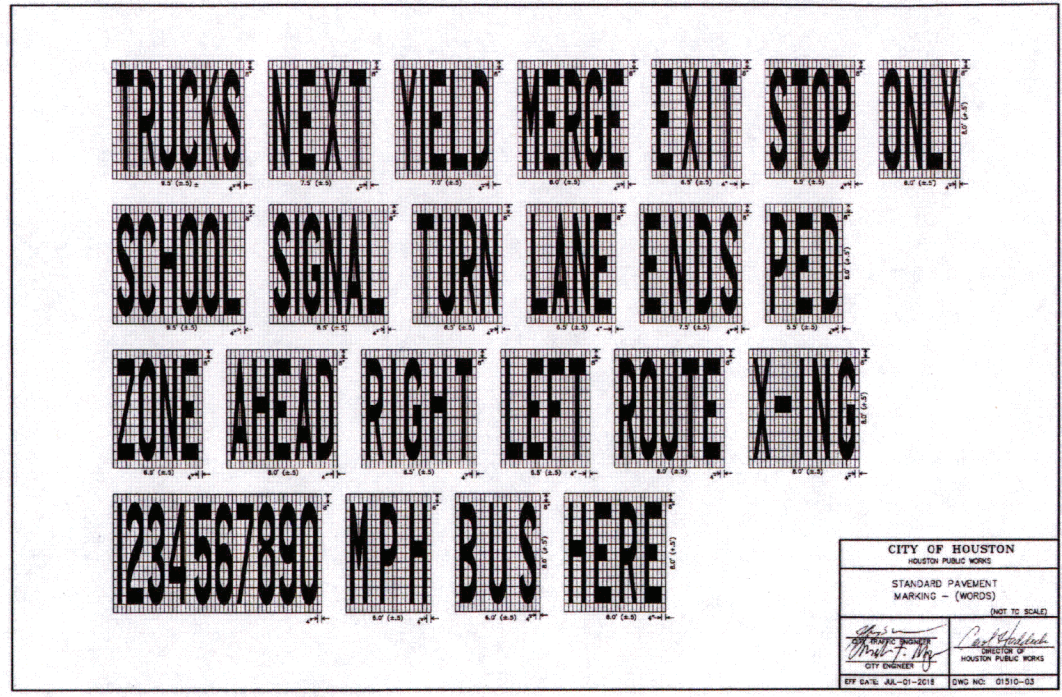
- ALL CASES AND DETAILS ALSO APPLY TO RIGHT-TURN LANES.
- FOR SINGLE-TURN LANES, DIMENSIONS SHALL BE THE SAME FOR EACH LANE.
- SL DIMENSION IS FROM BACK OF STOP LINE TO END OF TURN LANE. NOTE: DO NOT INCLUDE TAPEY LENGTH.
- PAVEMENT MARKING AND "ONLY" LEGEND MARKINGS ARE TYPICALLY USED AT ALL SIGNALIZED INTERSECTIONS AND AT ALL UNSIGNALIZED INTERSECTIONS THAT HAVE TURN LANES.
- UNLESS SL = 100', SL MAY BE LESS THAN 100 FEET ONLY BY APPROVAL OF THE CITY TRAFFIC ENGINEER.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

LEFT/RIGHT-TURN "ONLY" AND ARROW SPACING
(NOT TO SCALE)

[Signatures]
CITY ENGINEER
CITY ENGINEER

DTY DATE: 04-01-2018 DWG NO: 01510-02

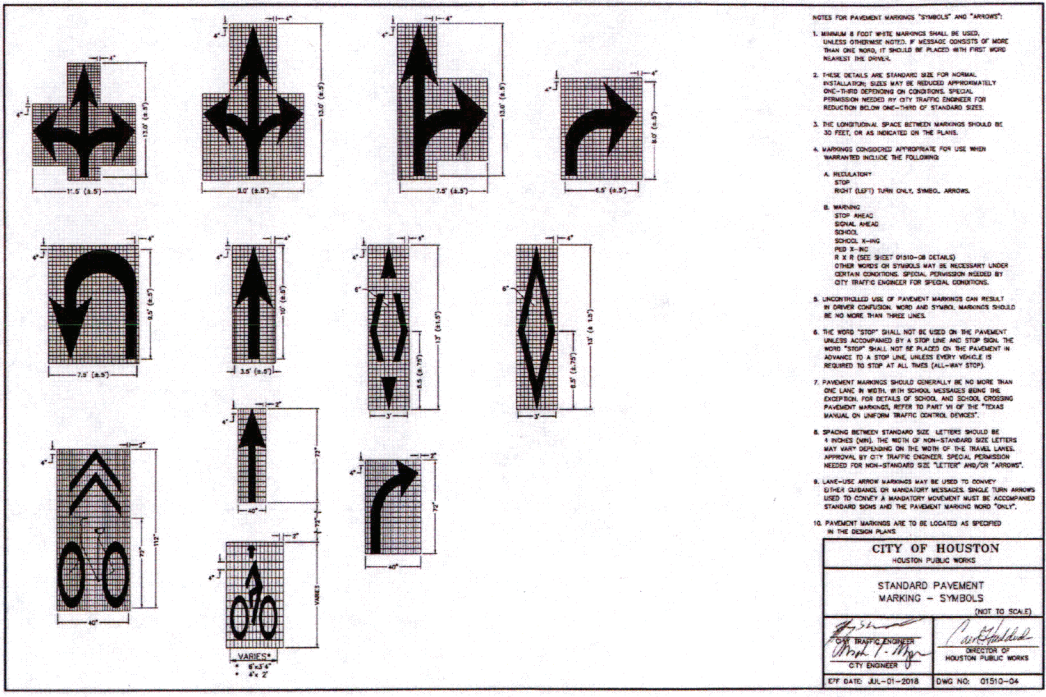


CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STANDARD PAVEMENT MARKING - (WORDS)
(NOT TO SCALE)

[Signatures]
CITY ENGINEER
CITY ENGINEER

DTY DATE: 04-01-2018 DWG NO: 01510-03



NOTES FOR PAVEMENT MARKING "SYMBOLS" AND "WORDS":

- MINIMUM 8 FEET WIDE MARKINGS SHALL BE USED UNLESS OTHERWISE NOTED. IF MINIMUM WIDTH IS MORE THAN ONE WORD, IT SHOULD BE PLACED WITH FIRST WORD BLANKED OR SPACED.
- THESE DETAILS ARE STANDARD SIZE FOR NORMAL INSTALLATION. SIZES MAY BE REDUCED APPROPRIATELY ONE-FIFTH (20%) OF THE STANDARD SIZE. REDUCTION BELOW ONE-THIRD OF STANDARD SIZE IS NOT PERMITTED.
- THE LONGITUDINAL SPACE BETWEEN MARKINGS SHOULD BE 30 FEET, OR AS INDICATED ON THE PLANS.
- MARKING DIMENSIONS APPROPRIATE FOR USE WITH MARKINGS INCLUDE THE FOLLOWING:
 - REGULATORY STOP RIGHT (LEFT) TURN ONLY, SIGNAL, ARROWS
 - WARNING STOP AHEAD, SCHOOL AHEAD, SCHOOL X-ING, 8 x 8 (SEE SHEET 01510-04 DETAILS)
 - OTHER WORDS OR SYMBOLS MAY BE NECESSARILY LARGER CERTAIN CONDITIONS. SPECIAL PERMISSION MUST BE OBTAINED FROM THE CITY ENGINEER FOR SPECIAL CONDITIONS.
- UNCONTROLLED USE OF PAVEMENT MARKINGS CAN RESULT IN GREATER CONFUSION. WORD AND SYMBOL MARKINGS SHOULD BE NO MORE THAN THREE LINES.
- THE WORD "STOP" SHALL NOT BE USED ON THE PAVEMENT UNLESS ACCOMPANIED BY A STOP LINE AND STOP SIGN. THE WORD "STOP" SHALL NOT BE PLACED ON THE PAVEMENT IN ADVANCE TO A STOP LINE UNLESS EVERY VEHICLE IS REQUIRED TO STOP AT ALL TIMES (SCHOOL STOP).
- PAVEMENT MARKINGS SHOULD GENERALLY BE NO MORE THAN ONE LINE IN WIDTH. WITH SCHOOL MARKINGS BEING THE EXCEPTION. FOR DETAILS OF SCHOOL AND SCHOOL CROSSING PAVEMENT MARKINGS REFER TO PART IV OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- SPACING BETWEEN STANDARD SIZE LETTERS SHOULD BE 4 SPACES (WITHIN THE WIDTH OF HIGH-STANDARD SIZE LETTERS MAY VARY DEPENDING ON THE WIDTH OF THE LETTER). APPROVAL BY CITY TRAFFIC ENGINEER, SPECIAL PERMISSION REQUIRED FOR NON-STANDARD SIZE LETTERS AND SPACING.
- LANE-USE ARROW MARKINGS MAY BE USED TO DENOTE OTHER CHANGES OF MANEUVERING MESSAGES SINGLE TURN ARROWS USED TO DENOTE A MANEUVERING MESSAGE MUST BE ACCOMPANIED STANDARD WORD AND THE PAVEMENT MARKING WORD "ONLY".
- PAVEMENT MARKINGS ARE TO BE LOCATED AS SPECIFIED IN THE DESIGN PLANS.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STANDARD PAVEMENT MARKING - SYMBOLS
(NOT TO SCALE)

[Signatures]
CITY ENGINEER
CITY ENGINEER

DTY DATE: 04-01-2018 DWG NO: 01510-04

NO.	DATE	REVISIONS	APP.

JONES CARTER
128178
12/21/2021

STATE OF TEXAS
BETH D. SWARINGER
128178
9/2/2021
Seth Swaringer, P.E.

SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WEST DALLAS
RESTRIPING PROJECT

PAVEMENT MARKING AND
SIGNAGE PLAN DETAILS

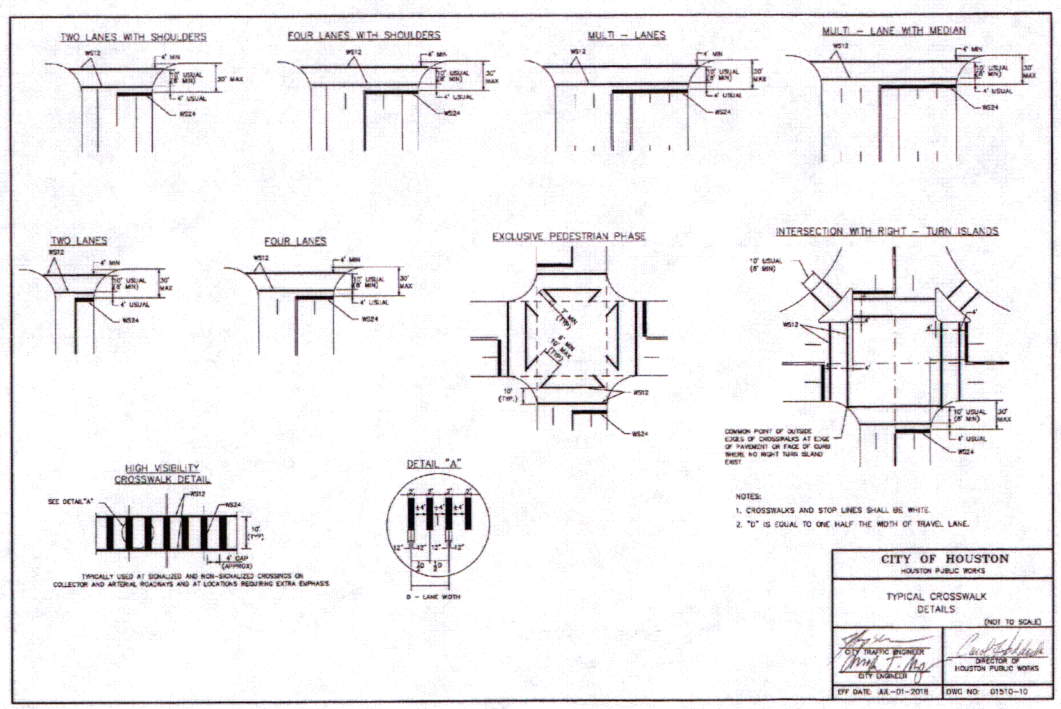
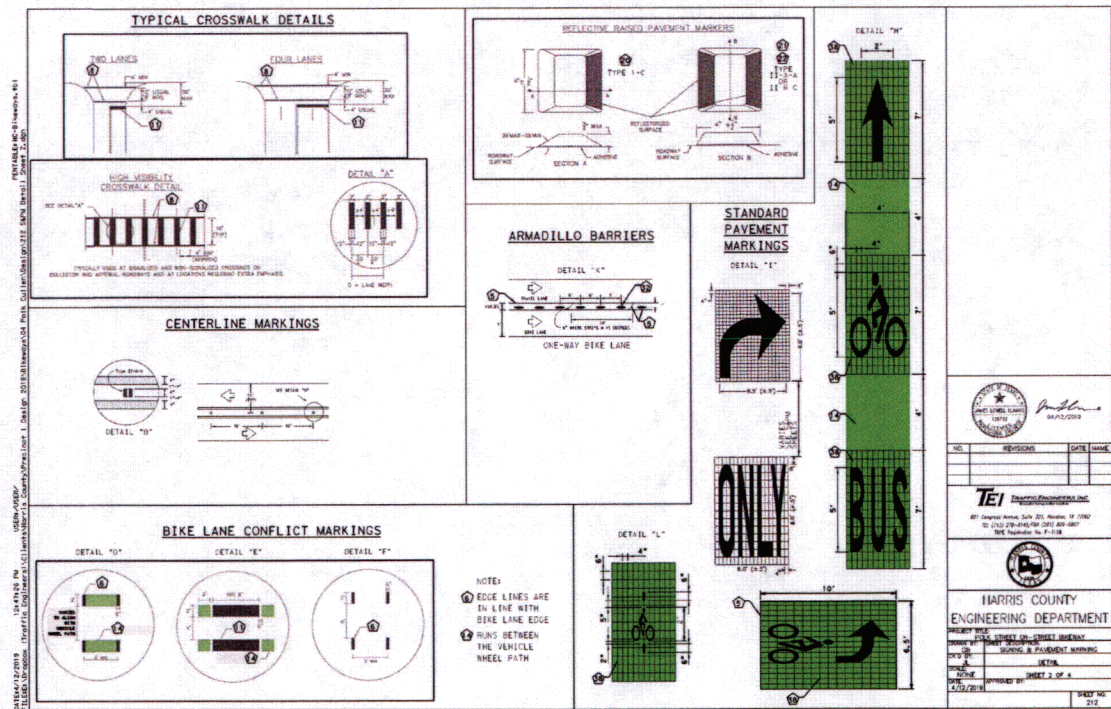
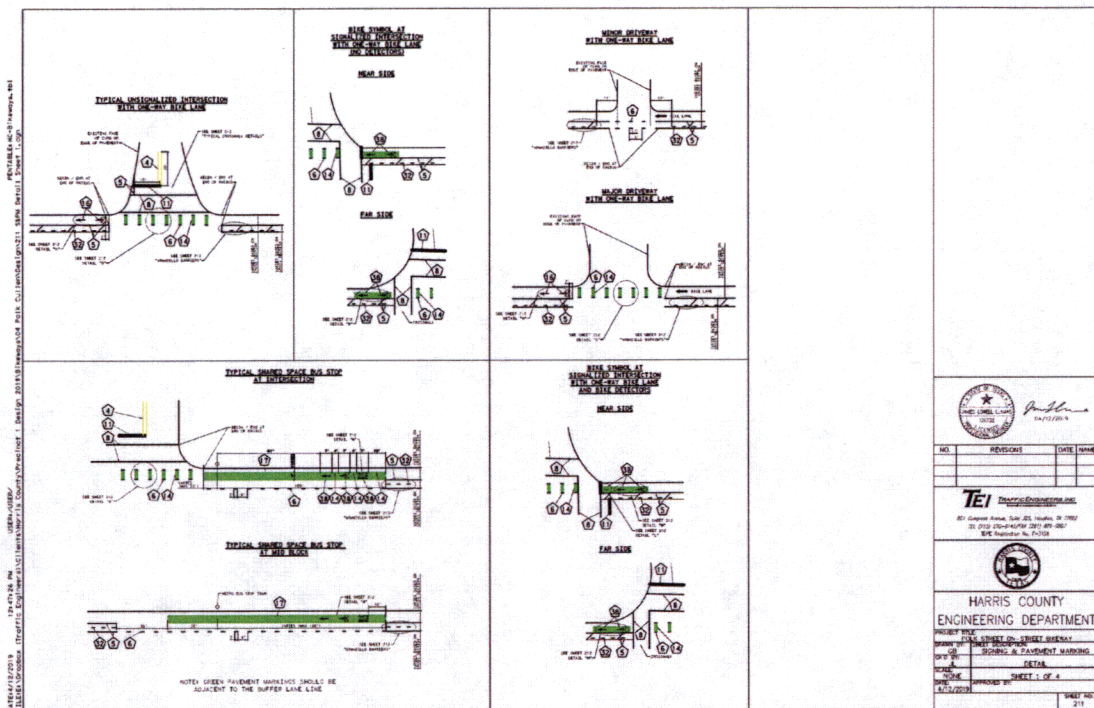
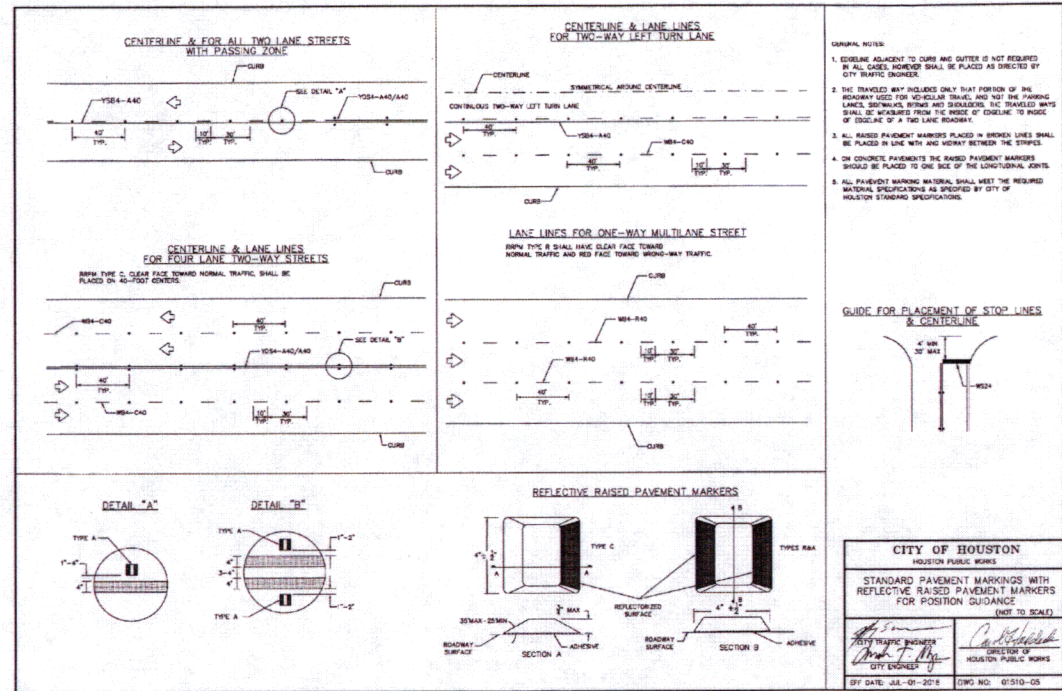
SHEET 1 OF 5
FOR CITY OF HOUSTON USE ONLY

WBS NUMBER: N-T05000-0006-7

DRAWING SCALE: 71307

CITY OF HOUSTON PM
DARREN WILSON, P.E.

SHEET NO. 14 OF 21



NO.	DATE	REVISIONS	APP.

JONES CARTER

STATE OF TEXAS
SETH D. SWARINGEN
128178
LICENSED PROFESSIONAL ENGINEER
9/2/2021

SURVEYED BY:
UNITE ENGINEERS, INC.
FB NO.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WEST DALLAS
RESTRIPING PROJECT

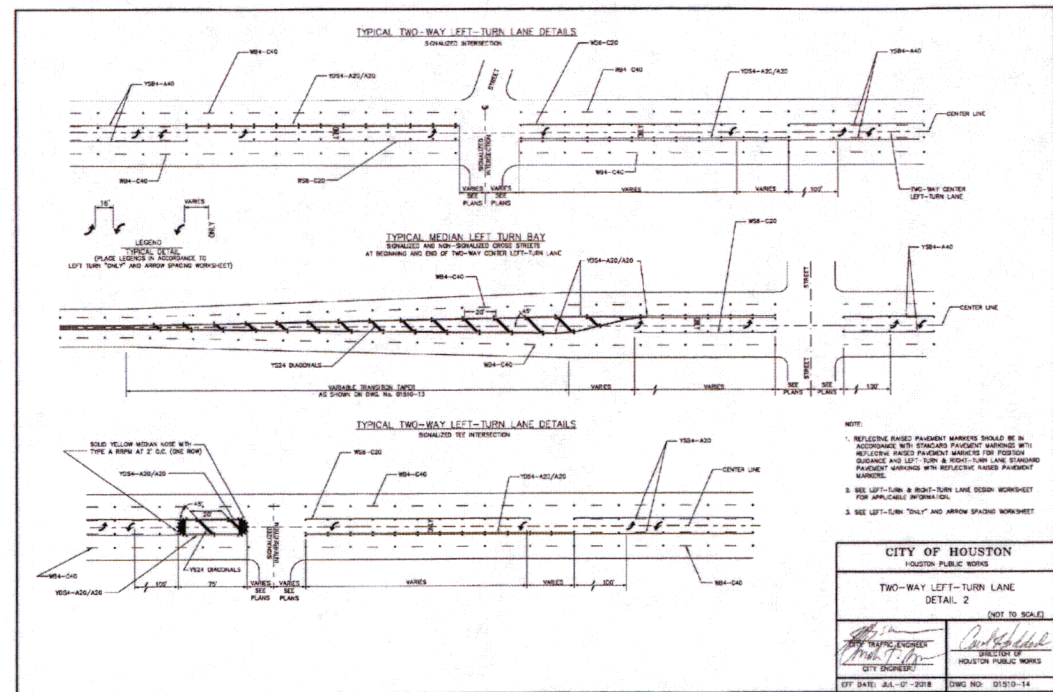
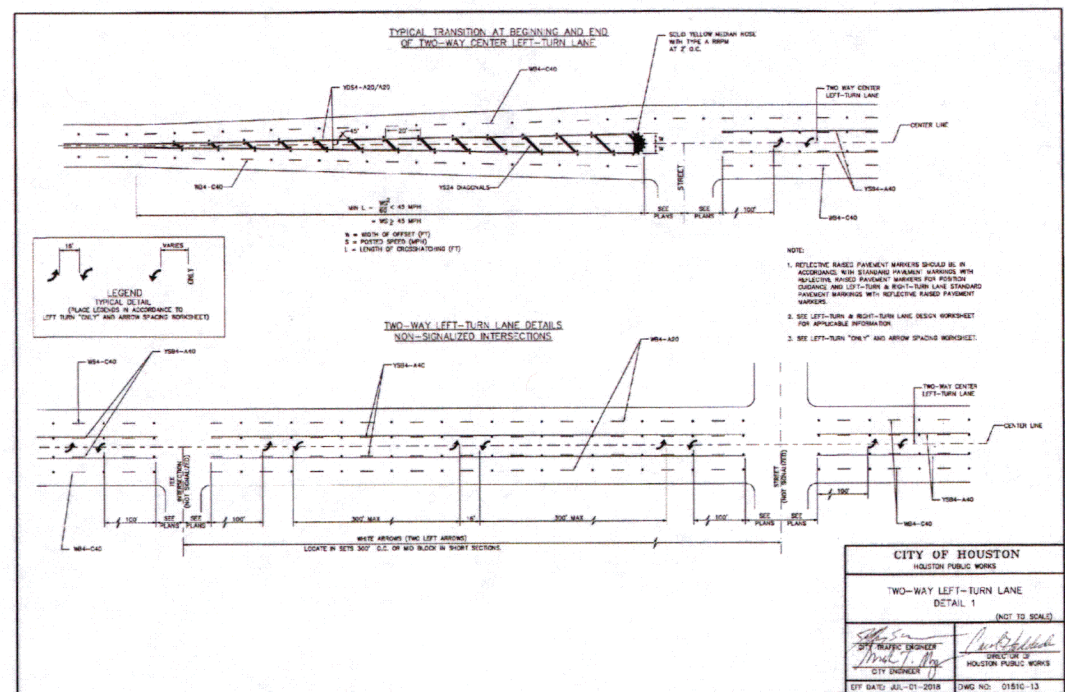
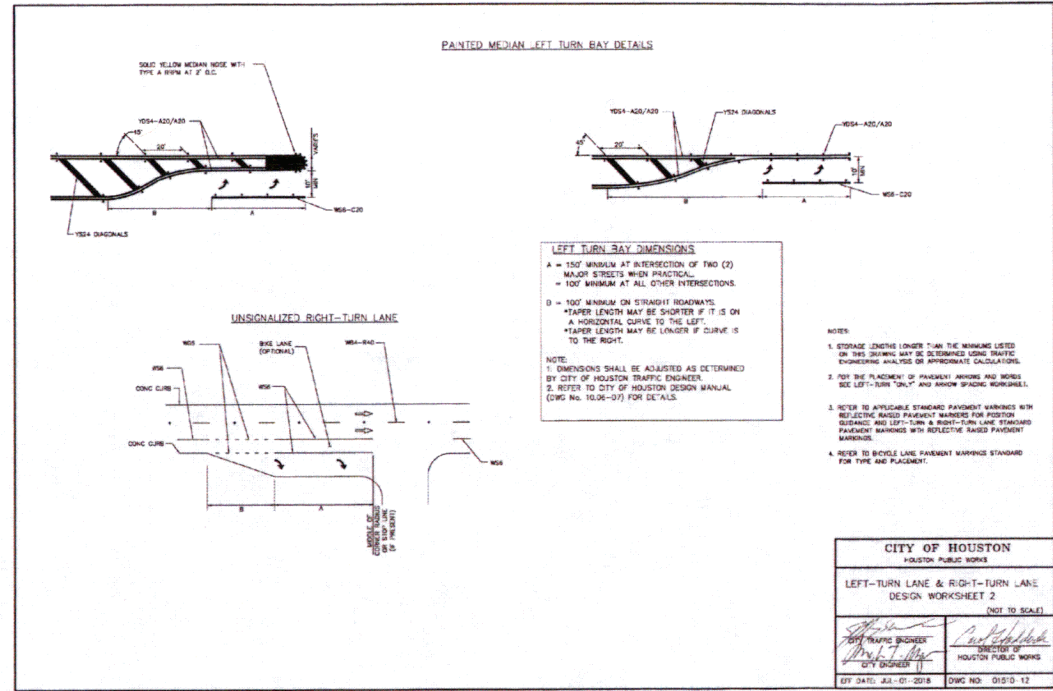
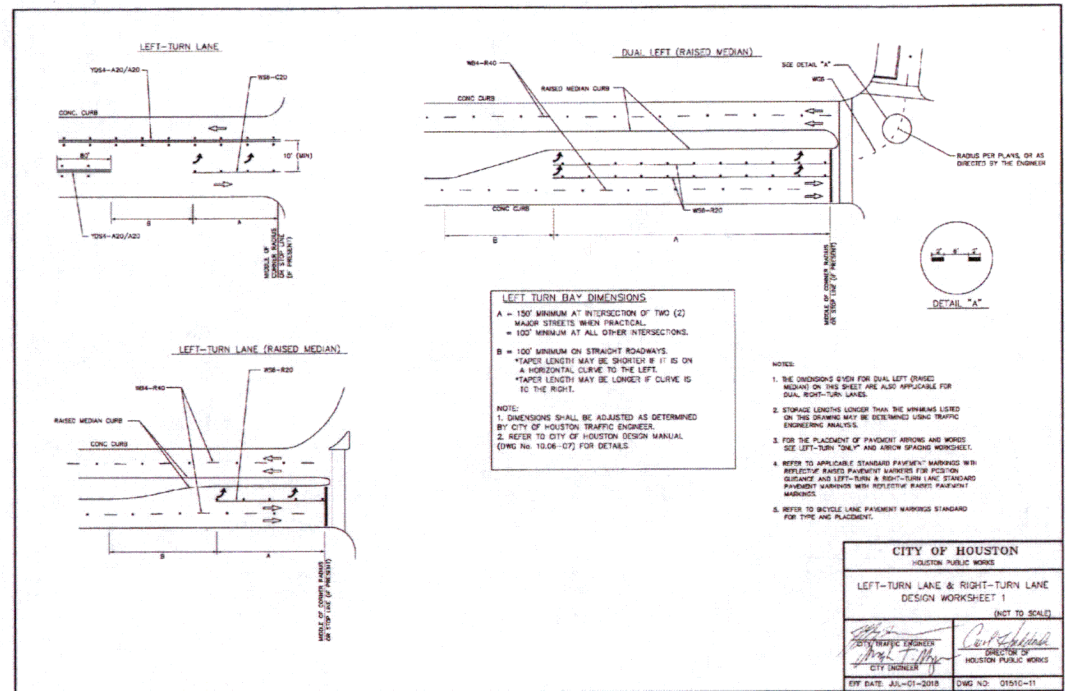
PAVEMENT MARKING AND
SIGNAGE PLAN DETAILS

SHEET 2 OF 5

WBS NUMBER: N-T05000-0006
DRAWING SCALE: NIS
CITY OF HOUSTON PM
DARREN WILSON, P.E.

71307

SHEET NO. 15 OF 21



NO.	DATE	REVISIONS	APP.

JONES CARTER

STATE OF TEXAS
 SETH D. SWARINGEN
 128178
 LICENSED PROFESSIONAL ENGINEER
 9/2/2021

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO.

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

WEST DALLAS
 RESTRIPING PROJECT

PAVEMENT MARKING AND
 SIGNAGE PLAN DETAILS

SHEET 3 OF 5

WBS NUMBER: N-T05000-0006-7
 DRAWING SCALE: NTS
 CITY OF HOUSTON PM: DARREN WILSON, P.E.
 SHEET NO. 16 OF 21

71307

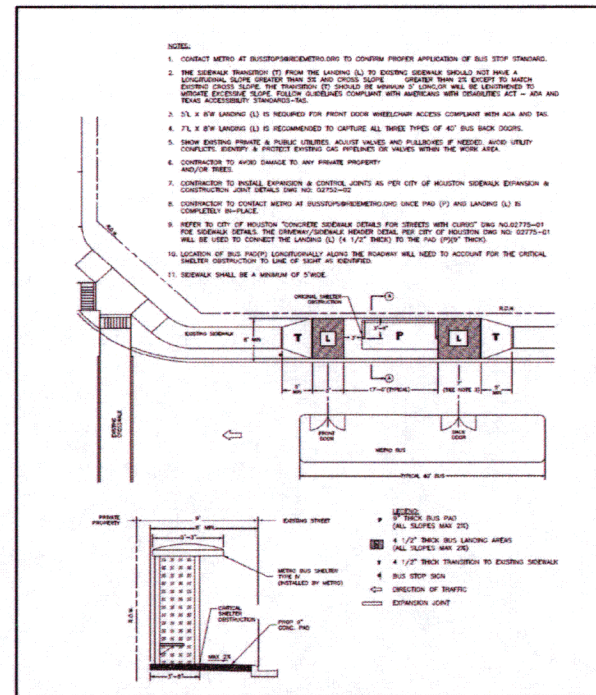


Figure 10.14 - STANDARD BUS PAD AND LANDINGS

10-52
07-01-2021

NO.	DATE	REVISIONS	APP.

JONES CARTER
State Board of Professional Engineers Registration No. 12,000
2008 West Loop South, Suite 200, Dallas, TX 75240-1227

BETH D. SWARNGEN
LICENSED PROFESSIONAL ENGINEER
9/2/2021

SURVEYED BY:
UNITED ENGINEERS, INC.
FB NO.

Beth Swarngen, P.E.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

WEST DALLAS
RESTRIPIING PROJECT

PAVEMENT MARKING AND
SIGNAGE PLAN DETAILS

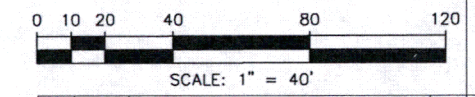
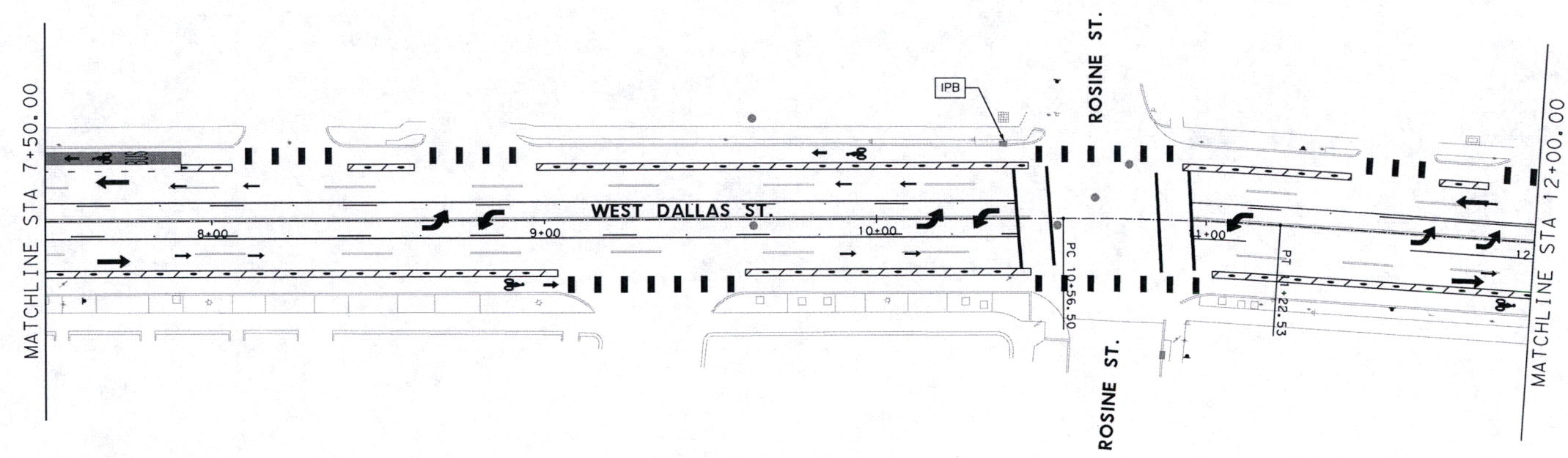
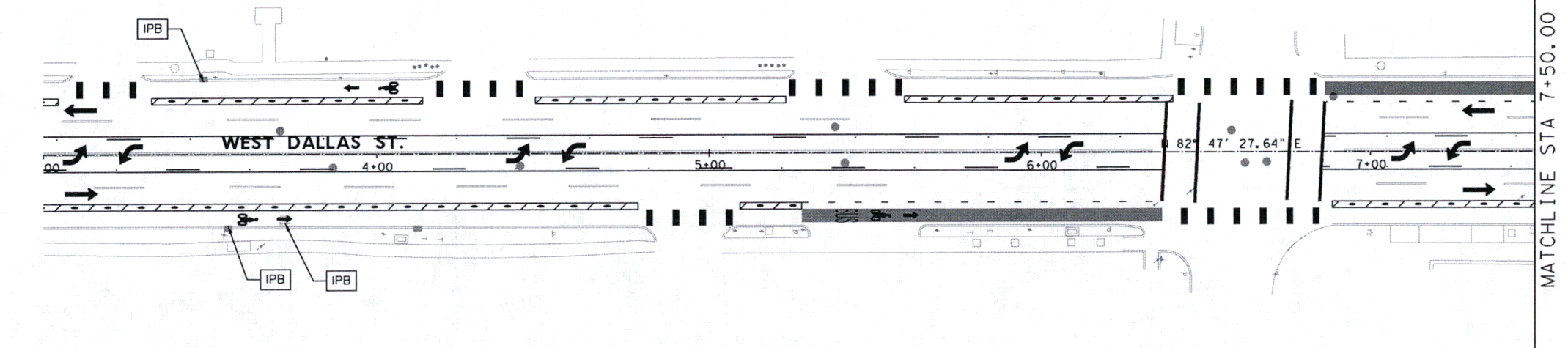
SHEET 5 OF 5

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-T05000-0006-7	71307
DRAWING SCALE	
NTS	
CITY OF HOUSTON PM	
DARREN WILSON, P.E.	
SHEET NO. 18 OF 21	

LEGEND

← DIRECTION OF TRAVEL

IPB INLET PROTECTION BARRIER



NO.	DATE	REVISIONS	APP.

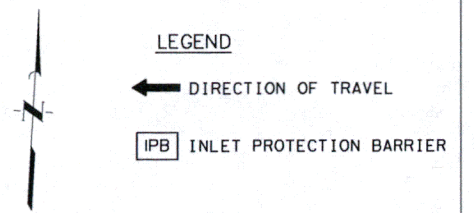
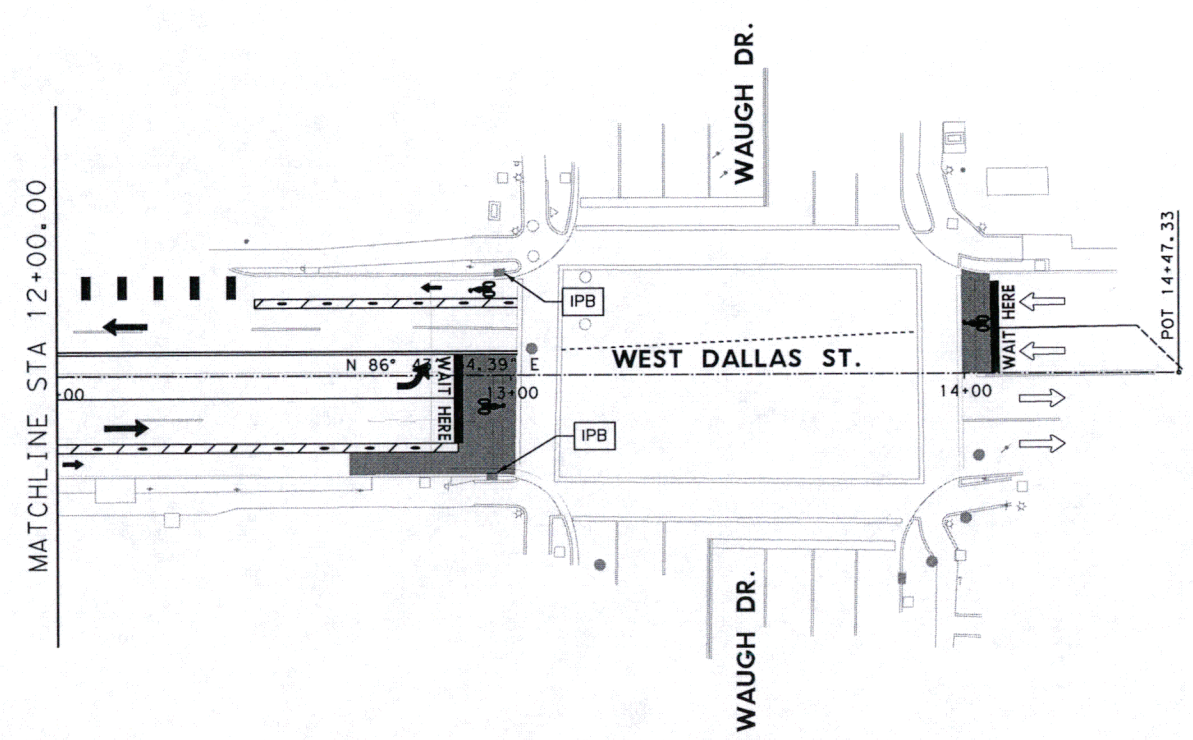
JONES CARTER
Division of Professional Engineers Registration No. 1-022
 128178
 9/2/2021

SURVEYED BY:
 UNITED ENGINEERS, INC.
 FB NO. *Seth Swaringer, P.E.*

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS
 WEST DALLAS
 RESTRIPIING PROJECT
 STORM WATER POLLUTION
 PREVENTION PLAN

SHEET 1 OF 2
 FOR CITY OF HOUSTON USE ONLY

WBS NUMBER	N-T05000-0006-7
DRAWING SCALE	HORIZ. 1"=40'
CITY OF HOUSTON PM	DARREN WILSON, P.E.
SHEET NO. 19 OF 21	71307

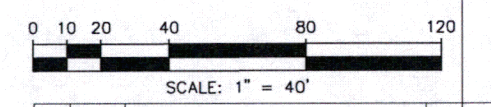


EROSION AND SEDIMENTATION CONTROL NOTES

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 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.
5. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF HIS FUELS, MATERIALS, AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER. (NO SEPARATE PAY).
6. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE ENVIRONMENTAL LAWS.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATELY MAINTAINED SANITARY FACILITIES.
8. 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.
9. 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.

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 (SWPP) PLANS TO KEEP SILT AND OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STREAM. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.



NO.	DATE	REVISIONS	APP.

JONES CARTER
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 UNITED ENGINEERS, INC.
 FB NO. 9/2/2021

STATE OF TEXAS
 SETH D. SWARINGEN
 12817B
 LICENSED PROFESSIONAL ENGINEER

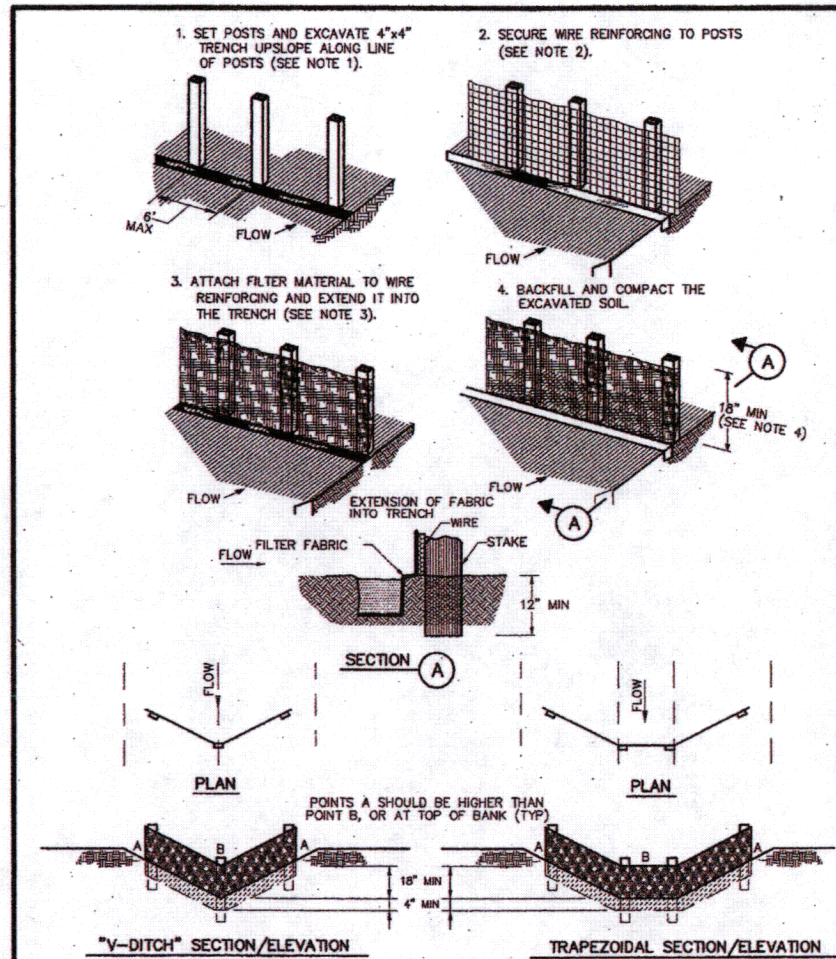
Seth Swaringen, P.E.

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS

WEST DALLAS
 RESTRIPIING PROJECT
 STORM WATER POLLUTION
 PREVENTION PLAN

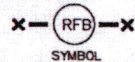
WBS NUMBER	N-T05000-0006-
DRAWING SCALE	HORIZ. 1"=40'
CITY OF HOUSTON PM	DARREN WILSON, P.E.
SHEET NO. 20 OF 21	71307

SHEET 2 OF 2
 FOR CITY OF HOUSTON USE ONLY

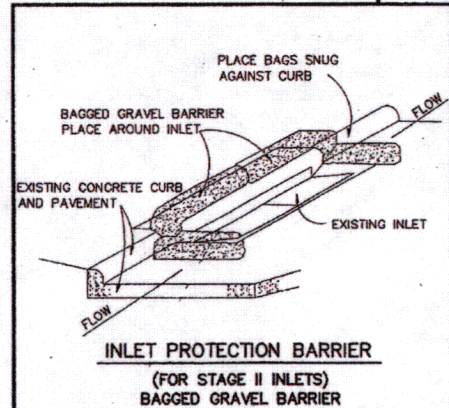


CONSTRUCTION NOTES:

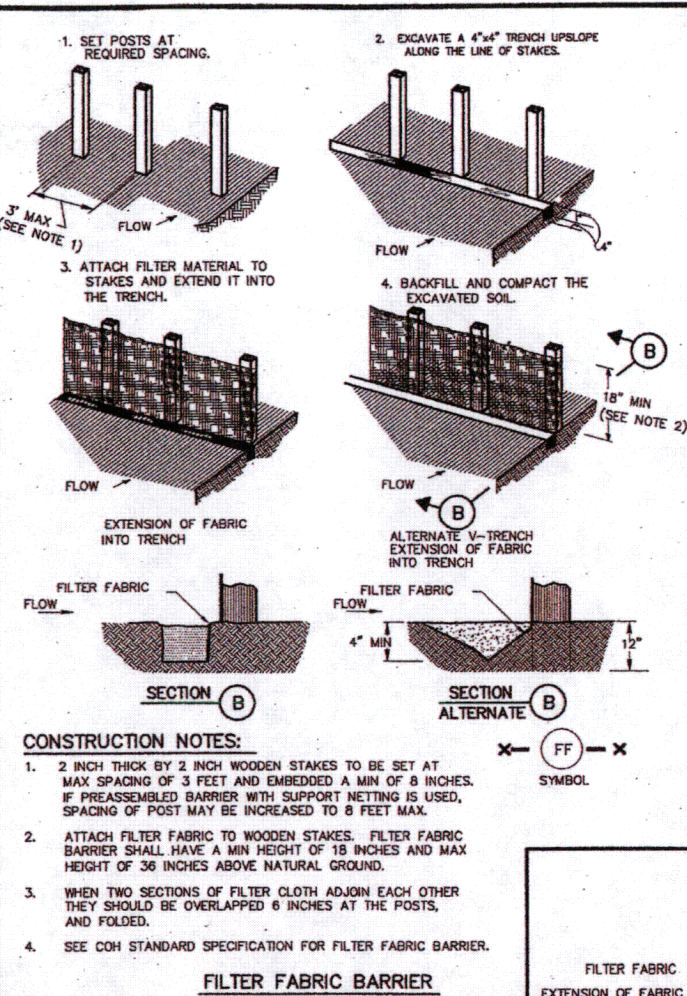
1. SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
2. WOVEN WIRE REINFORCING TO BE FASTENED SECURELY TO BARRIER POSTS WITH STAPLES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCING, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
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 SHALL BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
6. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



REINFORCED FILTER FABRIC BARRIER



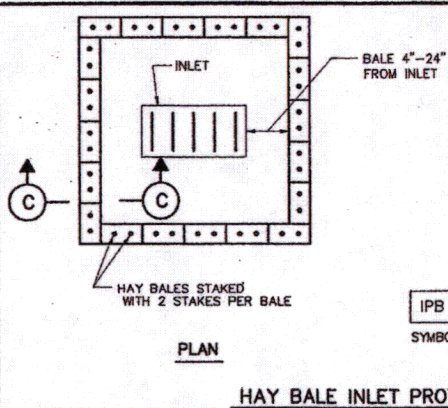
INLET PROTECTION BARRIER (FOR STAGE II INLETS) BAGGED GRAVEL BARRIER



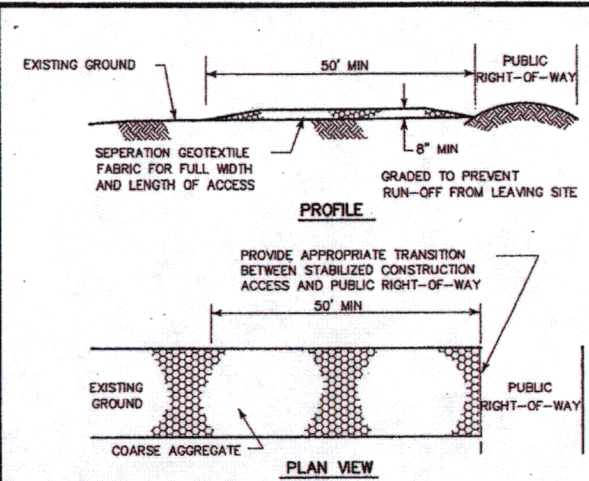
CONSTRUCTION NOTES:

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 8 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.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
4. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

FILTER FABRIC BARRIER



HAY BALE INLET PROTECTION BARRIER

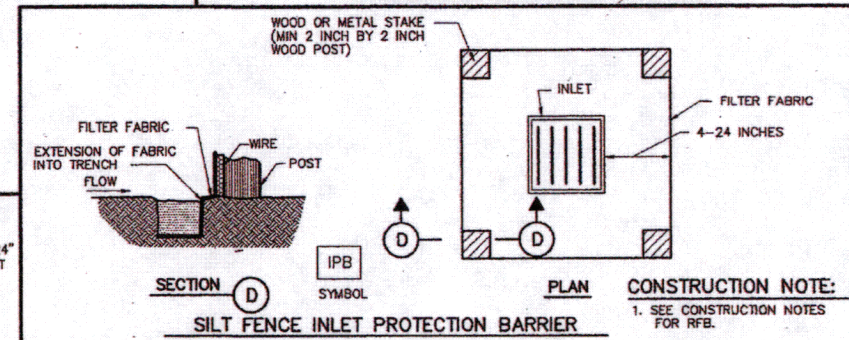


CONSTRUCTION NOTES:

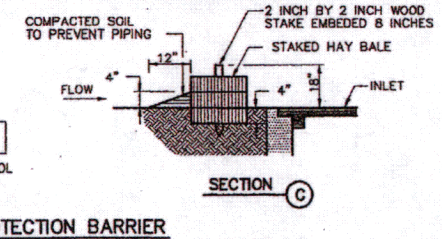
1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION ACCESS, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE 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



SILT FENCE INLET PROTECTION BARRIER



HAY BALE INLET PROTECTION 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

NO.	DATE	REVISIONS	APP.

JONES CARTER
SURVEYED BY: UNITED ENGINEERS, INC. FB NO. [Signature] 9/2/2021

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
WEST DALLAS RESTRIPIING PROJECT
STORM WATER POLLUTION PREVENTION PLAN DETAILS

SHEET 1 OF 1
FOR CITY OF HOUSTON USE ONLY

WBS NUMBER: N-T05000-0006-7
DRAWING SCALE: NTS
CITY OF HOUSTON PM: DARREN WILSON, P.E.
SHEET NO. 21 OF 21

71307