

NO.	DATE	REVISION	HCFCD REVISIONS	AES	APP.
	11/11/2021				

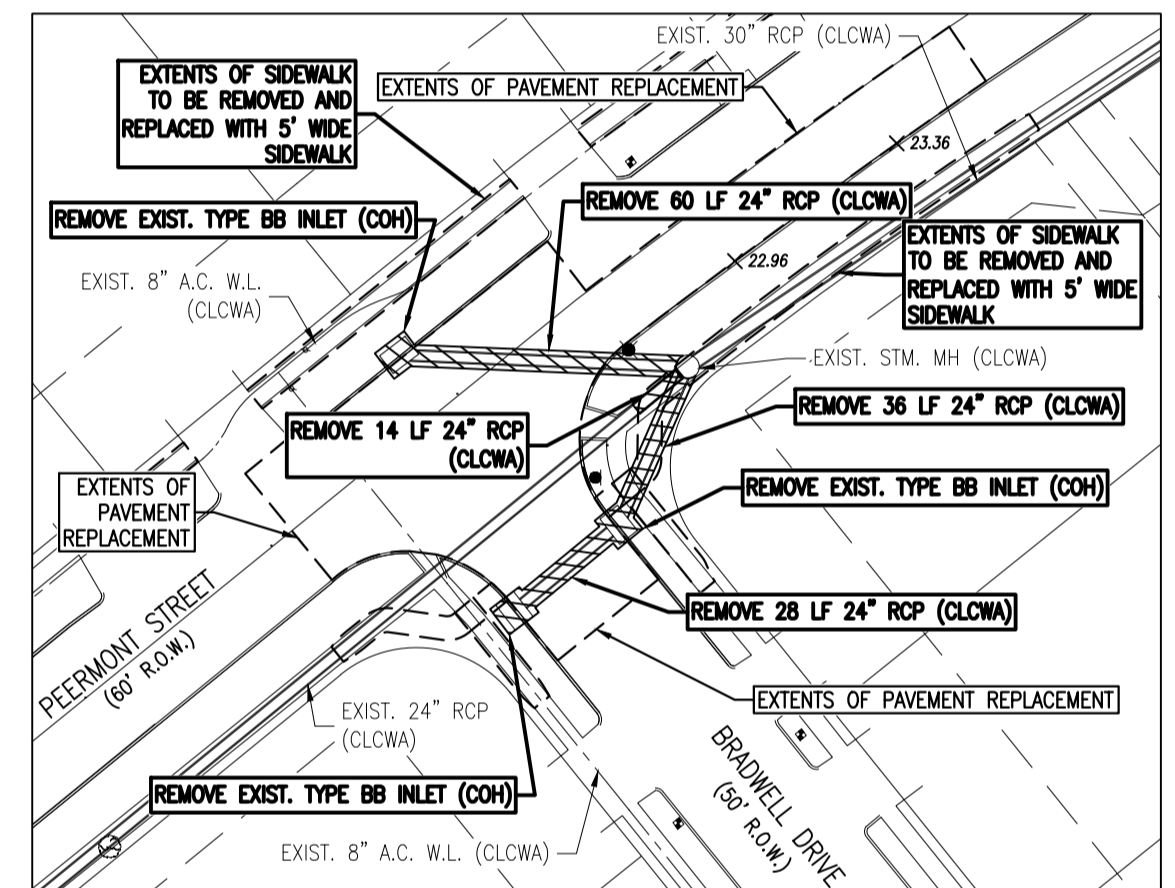
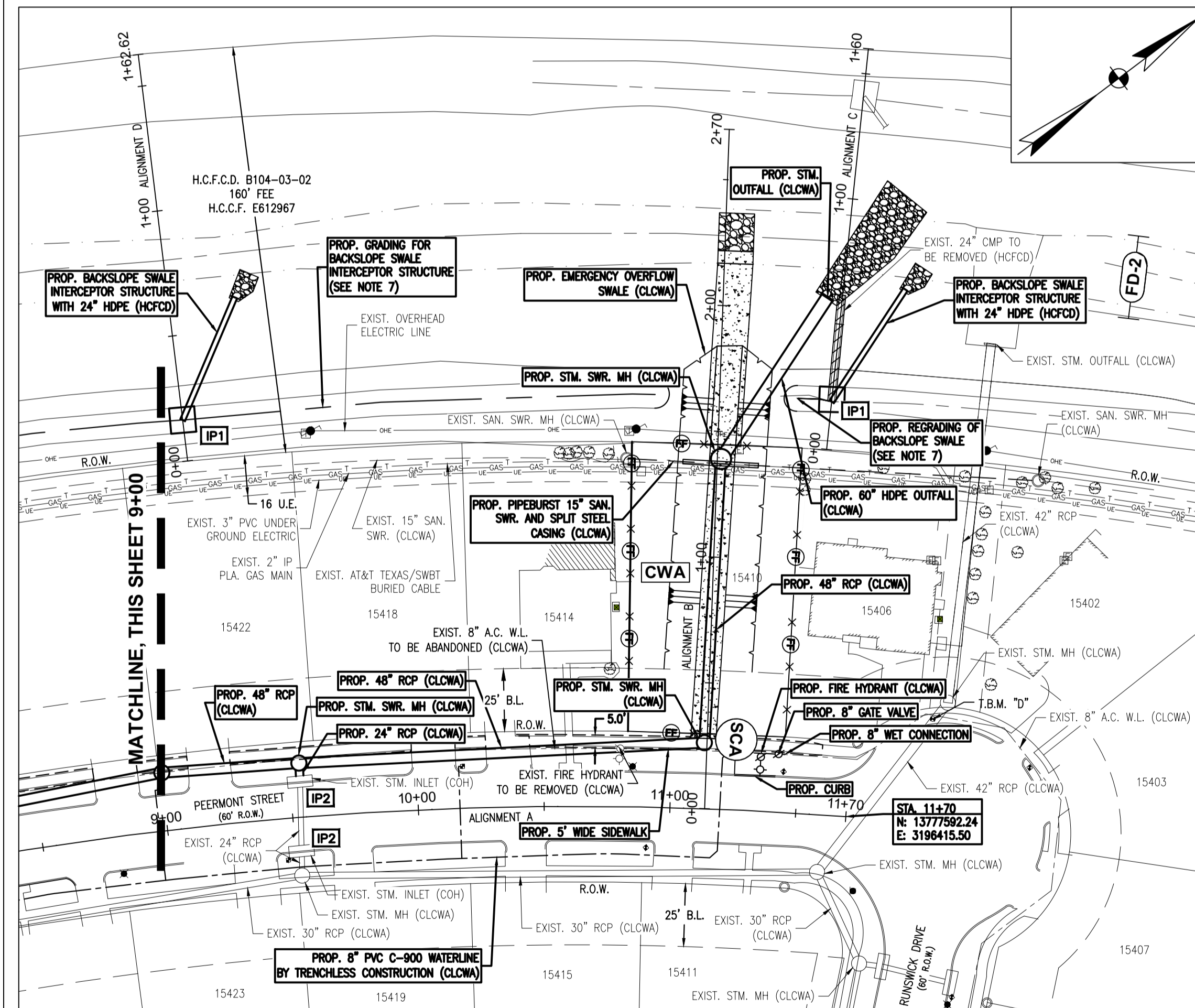
**NOTICE:**  
 FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

**VERIFICATION OF PRIVATE UTILITY LINES**

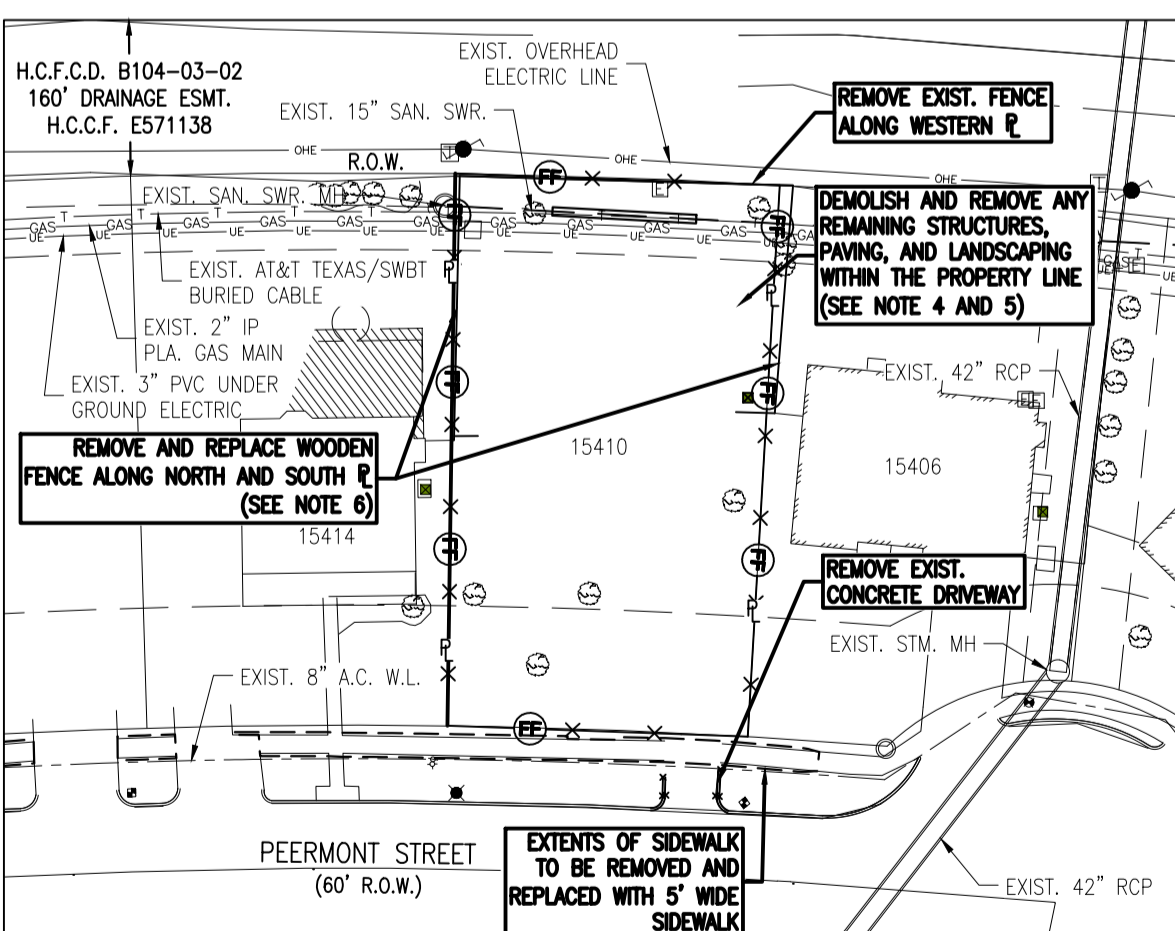
*[Signature]* 11/30/2021  
 Date  
 CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not be used for conflict verification.  
 Signature valid for six months.

*[Signature]* 11/30/2021  
 Date  
 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.

OVERALL LAYOUT AND SWPPP PLAN



STORM SEWER DEMOLITION PLAN



15410 PEERMONT STREET DEMOLITION PLAN

**LEGEND:**

	PROP. WATER LINE
	EXIST. WATER LINE
	PROP. STORM SEWER
	EXIST. STORM SEWER
	EXIST. SANITARY SEWER
	EXIST. SANITARY SEWER MANHOLE
	PROP. STORM SEWER MANHOLE
	EXIST. STORM SEWER MANHOLE
	POWER POLE
	PROP. WATER VALVE
	EXIST. WATER VALVE
	PROP. FIRE HYDRANT ASSEMBLY
	EXIST. FIRE HYDRANT ASSEMBLY
	EXIST. WATER METER
	REINFORCED FILTER FABRIC FENCE (SEE DETAIL 1 SHEET 16)
	TYPE 2 REINFORCED FILTER DAM (SEE DETAIL SHEET 17)
	INLET PROTECTION STAGE I (SEE DETAIL 1 SHEET 16)
	INLET PROTECTION STAGE II (SEE DETAIL 1 SHEET 16)
	STABILIZED CONSTRUCTION ACCESS (SEE DETAIL 1 SHEET 16)
	CONCRETE WASHOUT AREA (SEE DETAIL SHEET 11)
	OVERHEAD ELECTRIC LINE
	UNDERGROUND ELECTRIC LINE
	GAS LINE
	TREE
	15402 ADDRESS
	PAVEMENT AND SIDEWALK REPLACEMENT

- NOTES:**
- DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO BIDDING. ALL DISCREPANCIES, APPARENT ERRORS OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO BIDDING.
  - CONTRACTOR SHALL REMOVE AND DISPOSE OF ASBESTOS CEMENT (A.C.) LINES UNCOVERED DURING EXCAVATION PER OSHA STANDARDS.
  - CONTRACTOR SHALL DEMOLISH ALL EXISTING STRUCTURES WITHIN THE PROPERTY OF 15410 PEERMONT STREET, INCLUDING THE REMOVAL OF FOUNDATION, CONCRETE DRIVEWAY, AND TREES.
  - PRIOR TO DEMOLITION, CONTRACTOR SHALL COORDINATE WITH CENTERPOINT ENERGY TO DISCONNECT GAS AND ELECTRIC UTILITIES FROM STRUCTURE.
  - CONTRACTOR SHALL REMOVE EXISTING WOODEN FENCE ALONG THE NORTHERN AND SOUTHERN PROPERTY LINES. CONTRACTOR SHALL REPLACE WOODEN FENCE IN KIND AND INSTALL NEW FENCE ON THE PROPERTY LINE.
  - PROPOSED SWALES AND INTERCEPTOR STRUCTURES SHALL BE SODDED PER THE SODDING DETAIL ON SHEET 17 AND SOD SHALL MATCH EXISTING COVER.
  - THE CONTRACTOR SHALL RESTORE THE LANDSCAPE TO ITS ORIGINAL CONDITION OR BETTER. SOD SHALL BE USED TO RESTORE ANY GRASS THAT IS DISTURBED WITHIN THE ROADWAY R.O.W. OR THE PROPERTY AT 15410 PEERMONT STREET. THE AREA WITHIN HCFC R.O.W. SHALL BE HYDROMULCHED.

**DETENTION NOTE:**

THE DRAINAGE IMPACT ANALYSIS FOR CLWA MEADOWGREEN SECTION 1 PROPOSED DRAINAGE IMPROVEMENTS DATED MAY 11, 2021 WAS APPROVED BY HCFC ON JUNE 8, 2021 (HCFC NO. 1810160018). PER THE HCFC APPROVED DRAINAGE IMPACT ANALYSIS THE ADDITIONAL FLOW IN PROPOSED IMPROVEMENTS IS OFFSET BY THE CLWA EXPLORATION GREEN DETENTION FACILITY PHASE 2 (HCFC NO. 170518156, APPROVED NOVEMBER 2017). THE PHASE 1 AND 2 PONDS REDUCED THE FLOW OF 8-104-03-00 AT THE CONFLUENCE WITH HORSEPEN BAYOU BY A TOTAL OF 172, 305, AND 396 CFS FOR THE 10-, 100- AND 500-YEAR STORM EVENTS, RESPECTIVELY. THE PHASE 1 AND 2 PONDS WERE SPECIFICALLY DESIGNED TO ALLOW CLWA TO CONSTRUCT DRAINAGE IMPROVEMENTS WITHIN THE WATERSHED SUCH AS THIS ONE TO REDUCE LOCALIZED FLOODING. SO IN SUMMARY, THE PROPOSED STORM SEWER SYSTEM AND DRAINAGE SWALE, IN CONJUNCTION WITH THE PHASE 1 AND 2 DETENTION FACILITIES, RESULT IN NO ADVERSE IMPACTS TO THE SURROUNDING WATERSHED FOR STORM EVENTS UP TO AND INCLUDING THE 0.2% ANNUAL CHANCE EXCEEDANCE EVENT.

*John Cowart* 11/29/2021  
 Date  
 Approved for AT&T underground conduit facilities only.  
 Signature valid for one year.

**Lockwood, Andrews & Newnam, Inc.**  
 A LEAD A DAIT COMPANY  
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 Tel 713-266-6900  
 www.lan-inc.com

**STATE OF TEXAS**  
 ABIGAIL E. STANHOUS  
 128340  
 LICENSED PROFESSIONAL ENGINEER  
*Abigail Stanhous*  
 11/12/21  
 Lockwood, Andrews & Newnam, Inc.  
 Texas Registered Engineering Firm  
 F-2614

**CLEAR LAKE CITY WATER AUTHORITY**  
**MEADOWGREEN SECTION 1 DRAINAGE IMPROVEMENTS**  
**OVERALL LAYOUT AND DEMOLITION PLAN**

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

**CITY OF HOUSTON**  
 HOUSTON PUBLIC WORKS

WATER	STORM WATER QUALITY
WASTE WATER	FACILITIES
STORM WATER	TRAFFIC & TRANSPORTATION/ STREET & BRIDGE
FILE NO.	HORIZ: 1" = 40'
SHEET NO. 5 OF 21	VERT: 1" = 40'
DRAWING SCALE FOR CITY OF HOUSTON USE ONLY	

BENCHMARK	ELEV. 31.87'	TEMPORARY BENCHMARK (T.B.M.) "A"	ELEV. 24.54'	TEMPORARY BENCHMARK (T.B.M.) "C"	ELEV. 24.10'
FLOODPLAIN REFERENCE MARK NO. 020145 IS A BRASS DISK STAMPED RM 020145 AT CLEAR LAKE CITY BOULEVARD AND EXON-MOBI, NORTH OF INTERSECTION OF CLEAR LAKE CITY & I-45 LOCATED ON INLET, 232.2' NORTH OF DIRT ROAD, ON WEST SIDE OF SOUTHBOUND CLEAR LAKE CITY BOULEVARD. (NAVD 1988, 2001 ADJUSTMENT)		"X" CUT IN CONCRETE SIDEWALK ALONG THE NORTH RIGHT-OF-WAY LINE OF HALEWOOD DRIVE AT THE INTERSECTION OF HALEWOOD DRIVE AND PEERMONT STREET. (NAVD 1988, 2001 ADJUSTMENT)		"X" CUT IN CONCRETE SIDEWALK ALONG THE EAST RIGHT-OF-WAY LINE OF PEERMONT STREET APPROXIMATELY 450' NORTH OF THE INTERSECTION OF PEERMONT STREET AND BRADWELL DRIVE. (NAVD 1988, 2001 ADJUSTMENT)	
SURVEY BY: CIVIL-SURV LAND SURVEYING, LLC DATED: 12/11/2020		TEMPORARY BENCHMARK (T.B.M.) "B"	ELEV. 23.27'	TEMPORARY BENCHMARK (T.B.M.) "D"	ELEV. 24.42'
		"X" CUT ON "BB" INLET ALONG THE WEST RIGHT-OF-WAY LINE OF PEERMONT STREET AT THE INTERSECTION OF PEERMONT STREET AND BRADWELL DRIVE. (NAVD 1988, 2001 ADJUSTMENT)		"X" CUT IN CONCRETE SIDEWALK ALONG THE WEST RIGHT-OF-WAY LINE OF PEERMONT STREET AT THE INTERSECTION OF PEERMONT STREET AND RUNSWICK DRIVE IN FRONT OF 15406 PEERMONT STREET. (NAVD 1988, 2001 ADJUSTMENT)	



PROJECT NO. 120-12086-000  
 FILE NAME: \\gonzalez\projects\120\120-12086-000\4-0-production-working\4-1-bim-cad\plan-development\0262.dwg (GonJiang)