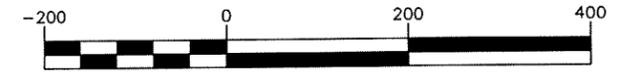


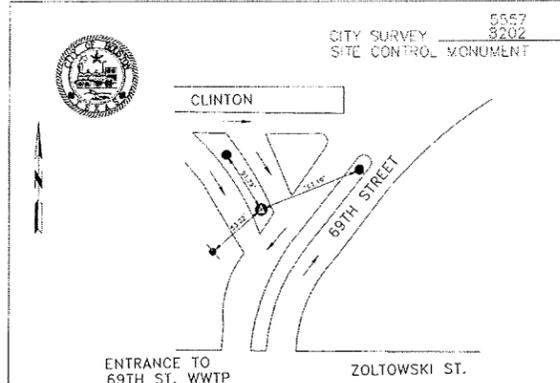
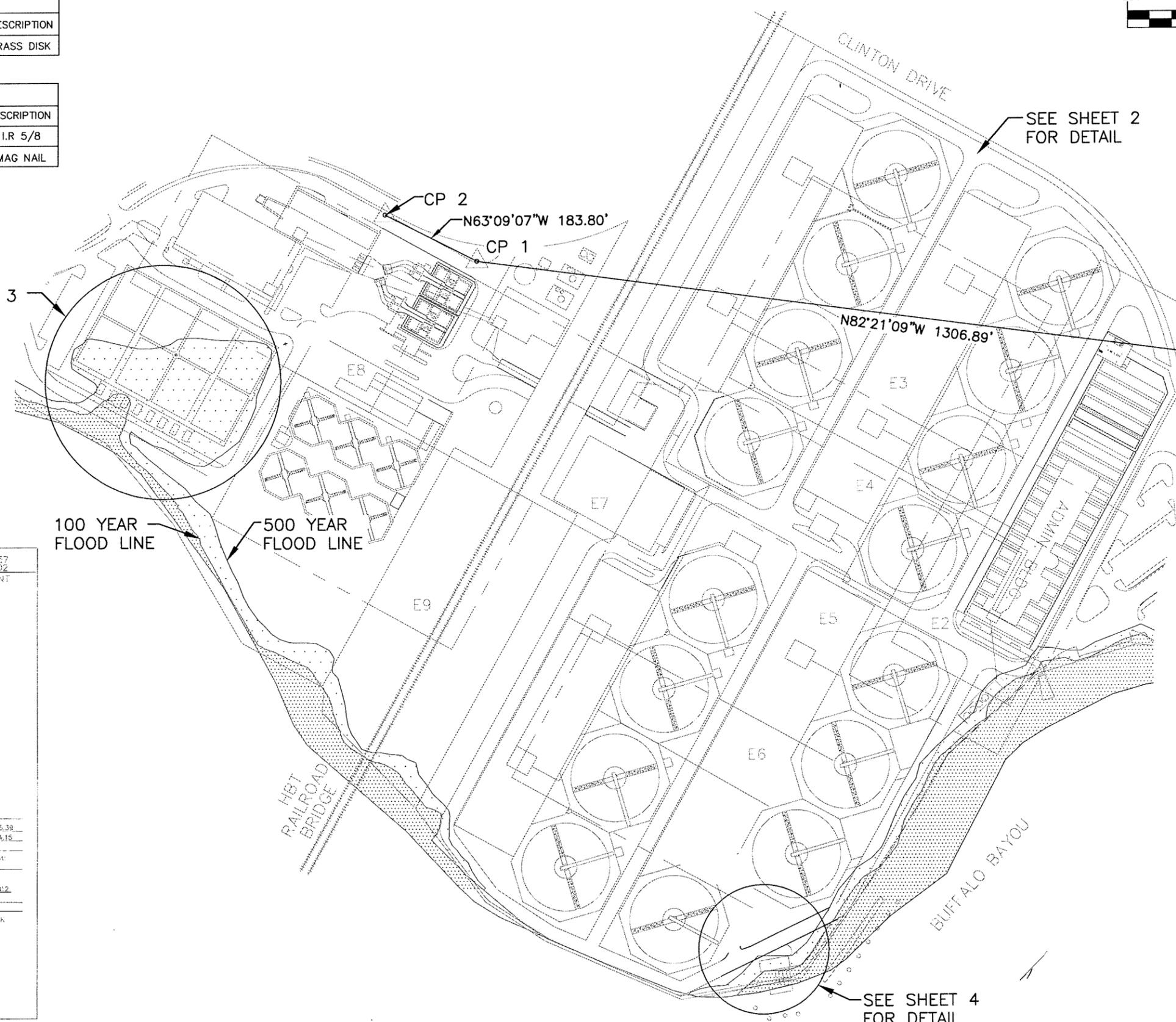
PROJECT BENCH MARK				
CITY OF HOUSTON MONUMENT	GRID COORDINATES		ELEVATION	DESCRIPTION
	NORTHING	EASTING		
5557-8208	13,841060.44	3,142958.17	35.35	BRASS DISK

TBM/CONTROL POINTS (GRID COORDINATES)				
CP #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	13,841234.36	3,141662.91	35.27	I.R 5/8
2	13841317.21	3141499.075	33.24	MAG NAIL

LEGEND	
SYMBOL	DESCRIPTION
	CONTROL POINT
	ELEVATION
	MONUMENT



GRAPHIC SCALE  
1"=200'



Project WBS# R-000298-0008-3

Texas Coordinate System of 1983, South Central Zone, U. S. Survey Feet

WETMAP PAGE: 495 N

X= 3,142,957.85

Y= 13,841,060.43

Orthometric Elevation = 35.38

Ellipsoid Height = -54.15

Grid = 12

Datum Source & Adjustment: NAVD83

Reference Frame Used: N/A

Vertical Adjustment used: NAVD83 (GEOID12)-GPS OBSERVATION MADE ON 09/19/2012

GENERAL LOCATION: 69TH STREET AT CLINTON

Date Set: 02/05/07 REOBSERVED ON 09/18/12 Type of Mark: Cd of BRASS DISK

3 Nearest project control points (bearings and distances stated below):

1. CP #1, SET "5/8 IR", N63°09'07"W, 1307.10'
2. CP #2, SET "MAG NAIL", N80°00'51.26"W, 1481.92'
3. CP #3, SET "X" IN CONCRETE, N51°51'48.16"W, 1503.95'

NOTE:

1. Bearings are grid bearings.
2. Scale Factor (S.F.)= 0.99999263189
3. Surface= Grid

BEARINGS ARE BASED ON THE TEXAS PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD 83/93 (CORS). COORDINATES SHOWN ARE GRID VALUES.

ELEVATIONS ARE BASED ON TROPICAL STORM ALLISON RECOVERY PROJECT # 210005 ELEVATION 34.38

FLOODPLAIN REFERENCE MARK NUMBER 210005 IS A BRASS DISK STAMPED 210005 ON THE SE CORNER OF BRIDGE ON THE DOWNSTREAM SHOULDER OF SSGT MACARIO GARCIA DRIVE 0.05 MILES NORTH OF AVENUE W. FOR MORE INFORMATION VISIT WEB-SITE WWW.ENG.HCTX.NET/PERMITS.HTM.

THE 500 YEAR FLOOD LINE IS TAKEN FROM FLOOD INSURANCE RATE MAP NUMBER 48201C0695L LAST REVISED JUNE 18, 2007.

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PATH: P:\CITY OF HOUSTON\033165\_69TH ST. WATER TREATMENT PLANT\3.0 SURVEY\DWG\69TH STREET-CIVIL3D\_ELEV.DWG

NO.	REVISIONS	BY	DATE

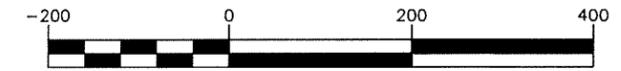
**SAM**  
SURVEYING-AERIAL MAPPING-ENGINEERING

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SUITE 200  
HOUSTON, TEXAS 77079  
PHONE: (713) 973-5100  
FAX: (713) 973-5150  
EMAIL: SAM@SAMINC.BIZ

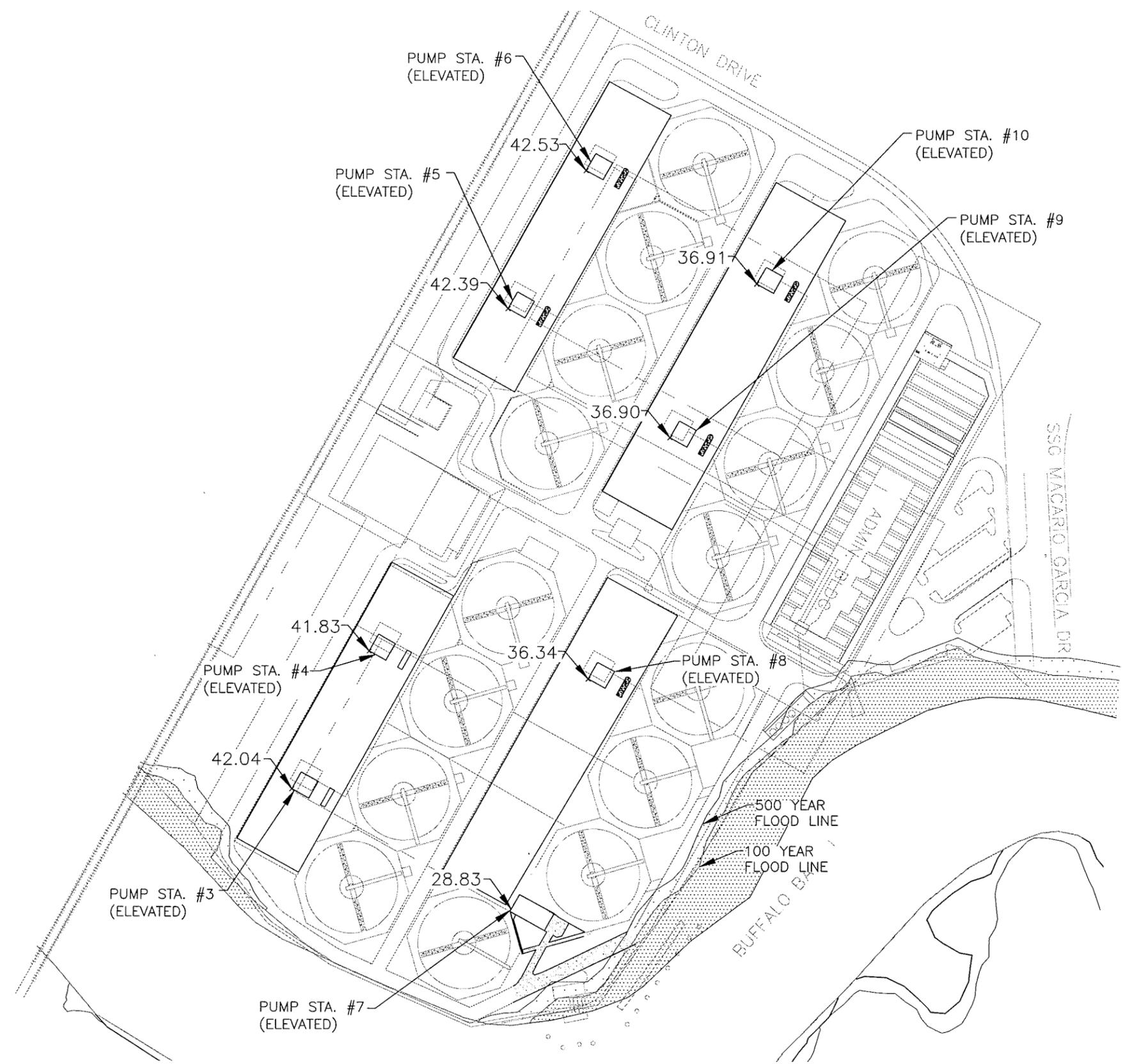
69TH STREET WATER TREATMENT PLANT  
CITY OF HOUSTON  
Elevation Survey  
Harris County, Texas

**CP&Y**

SHEET 1 OF 4



GRAPHIC SCALE  
1"=200'



LOCATION	ELEVATION
PUMP STATION 3	42.00
PUMP STATION 4	42.28
PUMP STATION 5	42.10
PUMP STATION 6	41.86
PUMP STATION 7	25.28
PUMP STATION 8	36.88
PUMP STATION 9	36.16
PUMP STATION 10	36.33

LEGEND	
SYMBOL	DESCRIPTION
	CONTROL POINT
	ELEVATION
	MONUMENT

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PATH: P:\CITY OF HOUSTON\053165\_69TH ST. WATER TREATMENT PLANT\3.0 SURVEY\DWG\69TH STREET.PDW 50.FLD.DWG

NO.	REVISIONS	BY	DATE



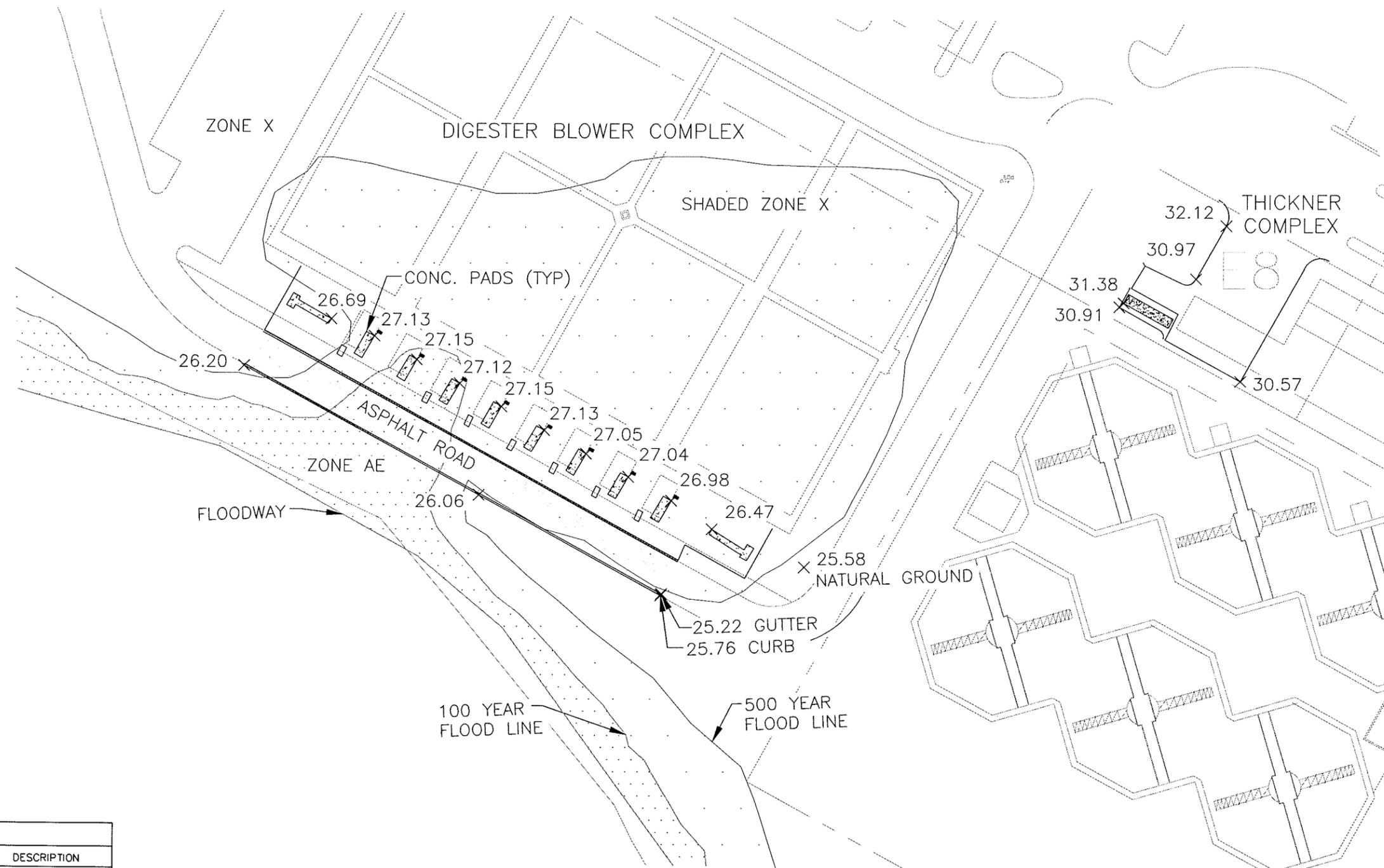
11111 KATY FREEWAY  
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EMAIL: SAM@SAMINC.BIZ

69TH STREET WATER TREATMENT PLANT  
CITY OF HOUSTON  
Elevation Survey  
Harris County, Texas





GRAPHIC SCALE  
1"=60'



BEARINGS ARE BASED ON THE TEXAS PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD 83/93 (CORS). COORDINATES SHOWN ARE GRID VALUES.

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LEGEND	
SYMBOL	DESCRIPTION
△	CONTROL POINT
X	ELEVATION
⊙	MONUMENT

PATH: P:\CITY OF HOUSTON\033165\_69TH ST. WATER TREATMENT PLANT\3.0 SURVEY\DWG\69TH STREET.DWG 3D ELEVATION

NO.	REVISIONS	BY	DATE



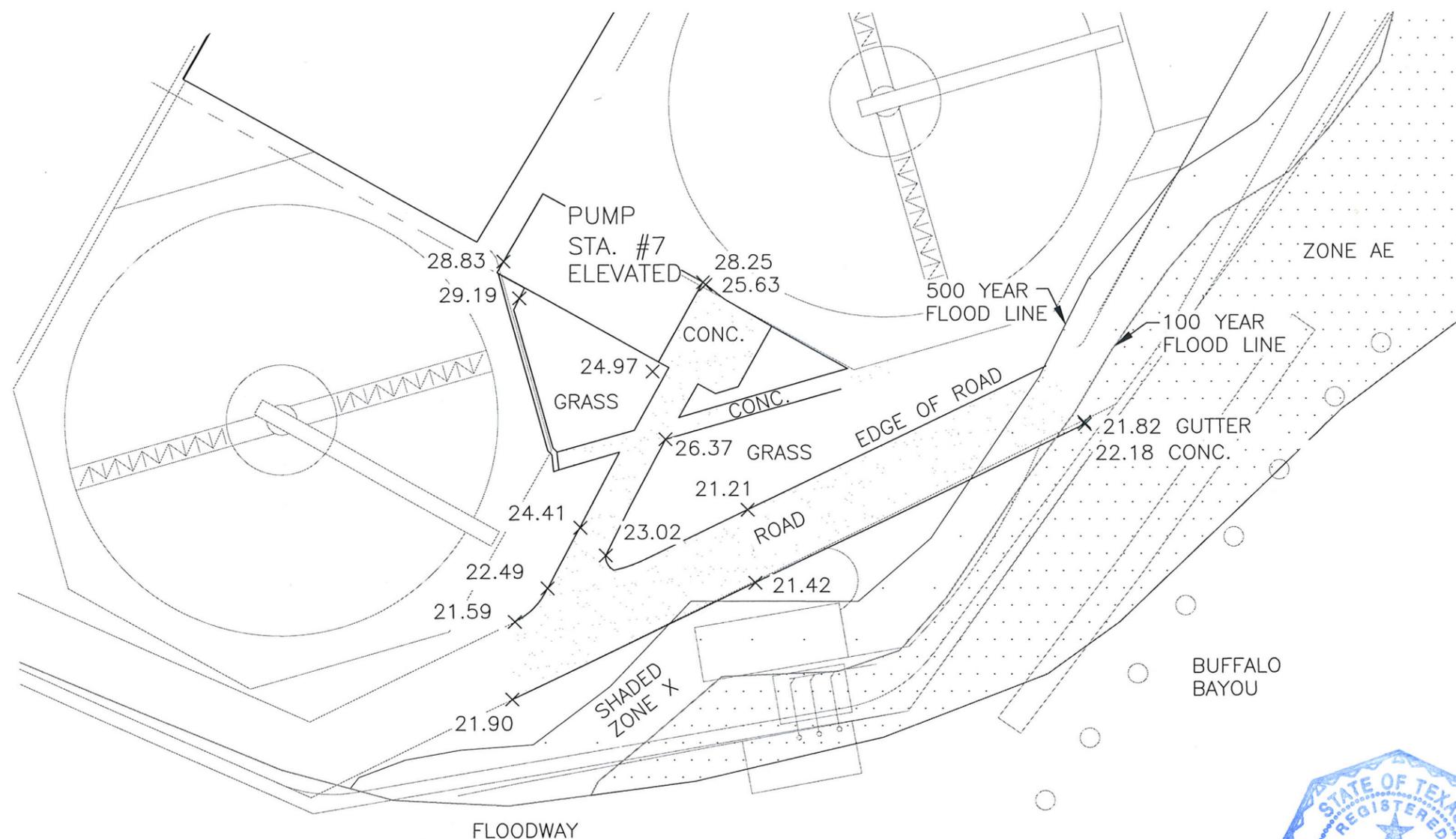
1111 KATY FREEWAY  
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69TH STREET WATER TREATMENT PLANT  
CITY OF HOUSTON  
Elevation Survey  
Harris County, Texas





GRAPHIC SCALE  
1"=50'



BEARINGS ARE BASED ON THE TEXAS PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NAD 83/93 (CORS). COORDINATES SHOWN ARE GRID VALUES.

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I HEREBY CERTIFY THAT THIS SURVEY WAS PERFORMED UNDER MY SUPERVISION AND ACCURATELY DEPICTS THE ELEVATIONS OF SELECTED ITEMS AS SHOWN.

*Gary W. Carlile* 4/24/13  
DATE

GARY W. CARLILE RPLS  
REGISTERED PROFESSIONAL LAND SURVEYOR  
NO. 4917 - STATE OF TEXAS



LEGEND	
SYMBOL	DESCRIPTION
	CONTROL POINT
	ELEVATION
	MONUMENT

PATH: P:\CITY OF HOUSTON\033165\_69TH ST. WATER TREATMENT PLANT\3.0 SURVEY\DWG\69TH STREET-CIVL3D\_ELEV.DWG

NO.	REVISIONS	BY	DATE



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