



**PERMIT APPLICATION REVIEW FORM FOR
CABLE, CONDUIT, AND POLE LINE ACTIVITY
IN FORT BEND COUNTY**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

☐

Right of Way Permit

☒

Commercial Driveway Permit

Permit No: 2018-20743

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

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- a. Name of road, street, and/or drainage ditch affected.
- b. Vicinity map showing course of directions
- c. Plans and specifications

(2) BOND:

☐

County Attorney, approval when applicable.

☐

Perpetual bond currently posted.

Bond No: _____

Amount: _____

☒

Performance bond submitted.

Bond No: XXXXXXXXXX

Amount: \$5,000.00

☐

Cashier's Check

Check No: _____

Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

We have reviewed this project and agree it meets minimum requirements.



Permit Administrator

6/15/2018

Date

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROAD,
COMMERCIAL DRIVEWAY AND MEDIAN OPENINGS OR MODIFICATIONS
(AUTHORIZED)**

BOND NO. [REDACTED]

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

§

THAT WE, Haider Zaman
whose (address, phone) is 17207 Kininvie Crossing RICHMOND, TX 77407
Texas, hereinafter called the Principal, and Travelers Casualty and Surety Company of America,
a Corporation existing under and by virtue of the laws of the state of Texas and
authorized to do an indemnifying business in the state of Texas, and whose principal office is
located at (name/address/phone) One Tower Square Hartford, CT 06183,
whose officer residing in the State of Texas, authorized to accept service in all suits and
actions brought whining said state is George Adams and whose address is
4501 Cartwright Rd., Suite 402 Missouri City, TX 77459, hereinafter called the Surety,
and held and firmly bound unto, Robert E. Hebert, County Judge of Fort Bend County, Texas,
or his successors in office, in the full sum of Five Thousand
Dollars (\$5,000.00) current, lawful money of the United States of America, to be paid to
said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office,
to which payment well and truly to be made and done, we, the undersigned, bind ourselves
and each of us, our heirs, executors, administrators, successors, assigns, and legal
representatives, jointly and severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the above bounden
principal contemplates laying, constructing, maintaining and/or repairing one or more cables,
conduits, and/or pole lines in, under, across and/or along roads, streets and highways,
commercial driveway and median openings or modifications in the County of Fort Bend, and
the State of Texas, under the jurisdiction of the Commissioners' Court of Fort Bend County,
Texas, pursuant to the Commissioners' Court order adopted on the 1st day of December, A.D.
1980, recorded in Volume 13, of the Commissioners' Court Minutes of Fort Bend County,
Texas, regulating same, which Commissioners' Court order is hereby referred to and made a
part hereof for all purposes as though fully set out herein;

AND WHEREAS, the principal desires to provide Fort Bend County with a performance
bond covering all such cable, conduit and/or pole line activity, commercial driveway and
median openings or modifications;

NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable,
conduit and/or pole line activity (including, but not limited to the laying, construction,
maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along
roads, streets and highways, commercial driveway and median openings or modifications in
the County of Fort Bend and State of Texas, under the jurisdiction of the Commissioners Court
of Fort Bend County, Texas, pursuant to and in accordance with minimum requirements and
conditions of the above mentioned Commissioners' Court order set forth and specified to be
by said principal done and performed, at the time and in the manner therein specified, and
shall pay over and make good and reimburse Fort Bend County, all loss and damages which
Fort Bend County may sustain by reason of any failure or default on the part of said principal,
then this obligation shall be null and void, otherwise to remain in full force and effect.

This bond is payable at the County Courthouse in the County of Fort Bend and State of Texas.

It is understood that at any time Fort Bend County deems itself insecure under this bond, it may require further and/or additional bonds of the principal.

EXECUTED this 06 day of June, 2018.

Haider Zaman

PRINCIPAL

BY

Travelers Casualty and Surety Company of America

SURETY

BY Matthew Bocklage



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Surety Bond No. [REDACTED]

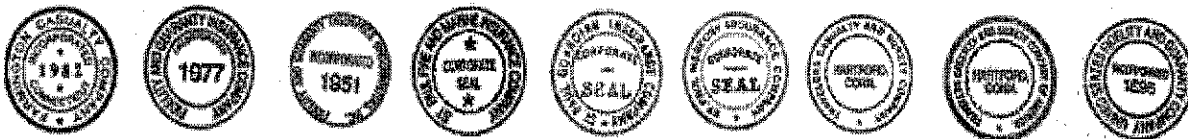
Principal: **Haider Zaman**
17207 Kininvie Crossing RICHMOND, TX 77407
Obligee: **County Judge of Fort Bend County**
301 Jackson St., Suite 401 Department of Engineering
RICHMOND, TX 77469

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc. is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Matthew Bocklage**, of the City of **Columbia**, State of **MO**, their true and lawful Attorney(s)-in-Fact, to sign, execute, seal and acknowledge the surety bond referenced above.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this **7th** day of **July**, 2016.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut

City of Hartford ss.

By: *Robert L. Raney*
Robert L. Raney, Senior Vice President

On this the **7th** day of **July**, 2016, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2021.



Marie C. Tetreault
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 06 day of June, 2018.


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the above-named individuals and the details of the bond to which the power is attached.

1

PLAT NAME: WEST BELLFORT COMPLEX

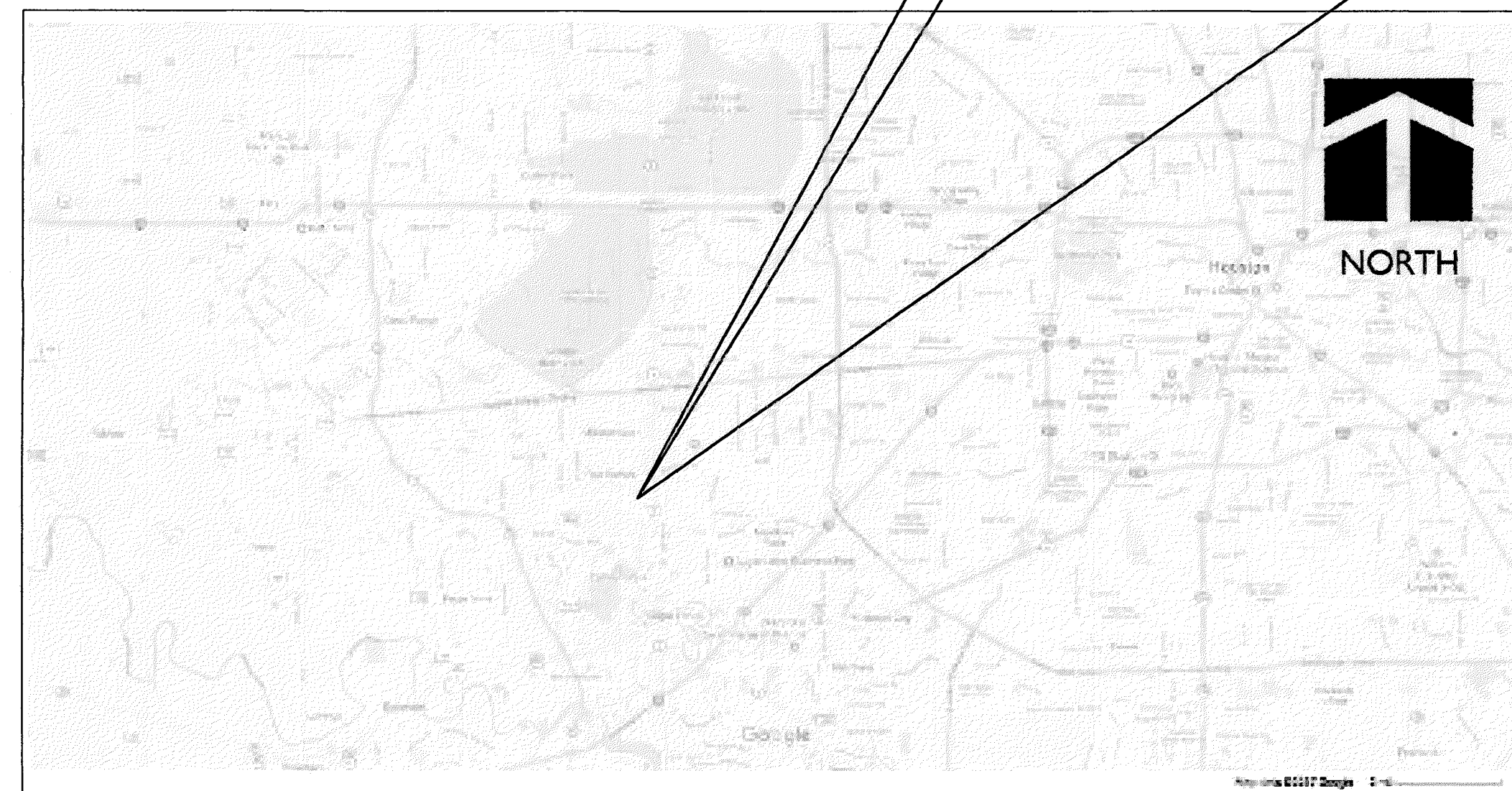
CONSTRUCTION PLANS FOR PROPOSED: HAIDER ZAMAN WEST BELLFORT WAREHOUSE BUILDINGS 15545 West Bellfort Sugar Land, Fort Bend County, TX 77498

PROJECT LOCATION



LOCATION MAP

PROJECT LOCATION



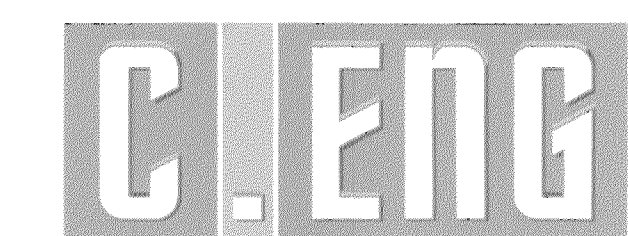
VICINITY MAP
ZIP CODE NO 77498
KEY MAP NO 497

SHEET INDEX

- T1.0 COVER SHEET
- G1.0 GENERAL NOTES
- C1.0 SITE & SWPP PLANS
- C2.0 GRADING AND DRAINAGE PLAN
- C3.0 WATER AND SANITARY PLAN
- C4.0 STORM, SEWER & WATER LINE DETAILS
- C4.1 STORM, SEWER & WATER LINE DETAILS
- C4.2 PAVING & DRIVEWAY DETAILS
- C4.3 SWPPP DETAILS
- C4.4 TXDOT PED-12A STANDARD DETAILS
- C4.5 TXDOT APPROVED TRAFFIC CONTROL PLAN (TCP2-4)
- C5.0 RELEVANT FIRM MAP
- C5.1 RELEVANT DRAINAGE AREA MAP
- C5.2 BOUNDARY & TOPOGRAPHIC SURVEY
- C5.3 PLAT: WEST BELLFORT COMPLEX 1 OF 2
- C5.4 PLAT: WEST BELLFORT COMPLEX 2 OF 2



APP.	REVISIONS	DATE
3		
2		
1		



Tel: 281.584.0800
Fax: 281.584.0801
info@cengcon.com
www.cengcon.com

TX FIRM REGISTRATION #: F-9871



Chadi Ayoub

THE SEAL APPEARING ON THIS DOCUMENT WAS
AUTHORIZED BY CHADI AYOUB, P.E. 98170 ON
10/31/2017.

FORT BEND COUNTY ENGINEER

ENGINEER: *Richard W. Stolleis, P.E., P.O.E.*
for Richard W. Stolleis, P.E.

DATE: 4/13/18

THESE SIGNATURES ARE VOID IF CONSTRUCTION
HAS NOT COMMENCED IN (1) YEAR FROM DATE
OF APPROVAL.

APPROVED: *Casandra B. Stolleis*
for Development Coordinator

DATE: 4-13-2018

TYPICAL ABBREVIATIONS

ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED		
A ABOVE FINISH FLOOR	-AFF	L LIGHTWEIGHT CONCRETE
ADDITIONAL	-ADDNL	LIVE LOAD
ADJACENT	-ADJ.	LONGITUDINAL
AGGREGATE	-AGGR.	LONG LEG HORIZONTAL
ALTERNATE	-ALT.	LONG LEG VERTICAL
ANCHOR BOLT	-A.B.	LOW POINT
AND	-&	
ANGLE	-L	M MANUFACTURE(R)
ANTHONY POWER BEAM	-APB	MASONRY OPENING
ANTHONY POWER COLUMN	-APC	M.O.
APPROVED	-APPD.	MATERIAL
APPROXIMATE	-APPROX.	MAXIMUM
ARCHITECT	-ARCH.	MECHANICAL
ARCHITECTURAL	-ARCHL	MEZZANINE
ARCHITECTURAL FINISH SURFACE	-A.F.S.	MIDDLE
AT	-@	MINIMUM
AIR CONDITIONER	-AC	MISCELLANEOUS
AIR HANDLING UNIT	-AHU	MOMENT
		MOMENT CONNECTION(S)
B BACK FACE	-B.F.	N NEAR FACE
BACK TO BACK	-B. TO B.	N.F.
BASEMENT	-BM.	NOM.
BEAM	-BM.	NON-SHRINK
BEARING	-BRG.	NOT IN CONTRACT
BELOW FINISH FLOOR	-BFF	N.T.S.
BETWEEN	-BTWN.	NUMBER
BEVEL (ED)	-BEV (D)	
BLOCK	-BLK.	O ON CENTER
BLOCKING	-BLKG.	O.C.
BLOCK-OUT	-B.O.	OPENINGS
BOTTOM	-BOT.	OPPOSITE
BRACKET	-BRKT.	OPPOSITE HAND
BRICK LEDGE ELEVATION	-B.L.E.	OUTSIDE FACE
BRIDGING	-B.L.D.	OUTSIDE DIAMETER
BUILDING	-BLDG.	OUTSTANDING
BUILDING LINE	-B.L.	
C CANTILEVER	-CANT.	P PAN
CAST IRON	-C.I.	PARALLEL
CAST-IN PLACE	-C.I.P.	PARTITION
CEILING	-CLG.	PENETRATION
CENTER LINE	-C.L.	PERPENDICULAR
CENTER OF GRAVITY	-C.G.	PIECE
CENTER TO CENTER	-C. TO C.	PLATE
CHANNEL	-CH.	POINT
CLEAR OR CLEARANCE	-CLR.	POUNDS PER SQUARE FOOT
COLUMN	-COL.	POUNDS PER SQUARE INCH
COMPRESSION	-COMP.	PRECAST CONCRETE
CONCRETE	-CONC.	PRE-ENGINEERED
CONCRETE MASONRY UNIT	-CMU	BUILDING MANUFACTURER
CONNECTION (S)	-CONNS(S)	PRE-ENGINEERED
CONTINUOUS	-CONT.	METAL BUILDING
CONTRACTOR	-CONTR.	PREFABRICATED
CONTROL JOINT	-CT.J.	PRELIMINARY
CONSTRUCTION	-CONST.	PROJECTION
CONSTRUCTION JOINT	-C.J.	
CORNER	-COR.	R RADIUS
COVER PLATE	-COV. PL.	REINFORCED CONCRETE PIPE
D DETAIL	-DET.	REINFORCE(ING) (ED) (MENT)
DEAD LOAD	-D.B.A.	REMAINDER
DEFORMED BAR ANCHOR	-DBA	REQUIRE
DESIGNED BY OTHERS	-DBO	REQUIRED
DIAGONAL	-DIAG.	RETENTION SYSTEM
DIAMETER	-DIA. OR Ø	RISER
DIMENSION(S)	-DIM(S)	ROOF
DOVETAIL	-DVTL.	ROOF DRAIN
DOWNSPOUT	-DS.	ROOF OPENING
DRAWING(S)	-DWG(S)	ROOM
DROP BEAM	-DB	ROUND
DOUBLE	-DBL.	
DOWEL(S)	-DWL(S)	S SCHEDULE(D)
E EACH	-EA.	SECTION
EACH FACE	-E.F.	SHEAR
EACH WAY	-E.W.	SHEET
EDGE ANGLE OFFSET	-E.A.O.	SIDEWALK
ELECTRICAL	-ELEC.	SIMILAR
ELEVATION	-EL.	SPACE
ELEVATOR	-ELEV.	SPECIFICATION(S)
ENGINEER	-ENGR.	SPECIFIED
ENTRANCE	-ENT.	SQUARE FOOT (FEET)
EQUAL	-EQ.	STANDARD
EQUIPMENT	-EQUIP.	STIFFENER
EXPANSION	-EXP.	STRAIGHT
EXPANSION JOINT	-E.J.	STIRRUPS
EXISTING	-EXIST.	STRUCTURE
EXTERIOR	-EXT.	STRUCTURAL
EXTRA STRONG	-X-STR.	SYMMETRICAL
F FACE TO FACE	-F. TO F.	SUBCONTRACTOR
FABRICATOR	-F.B.	SUPPORT(S)
FAR SIDE	-F.S.	T TAPERED BEAM
FIELD VERIFY	-(F.V.)	TEMPERATURE
FINISHED	-FIN.	TERRAZO
FINISHED FLOOR	-FIN. FL.	THICK
FIREPROOFING	-FP.	TONGUE & GROOVE
FLANGE	-FLG.	TOP & BOTTOM
FLOOR	-FLR.	TOP OF
FLOOR DRAIN	-F.D.	TOP OF BEAM
FOUNDATION	-FDN.	TOP OF FOOTING
FLUSH BEAM	-F.B.	TOP OF PIER
G GAGE OR GAUGE	-GA.	TOP OF PIER CAP
GALVANIZED	-GALV.	TOP OF RETAINING WALL
GALVANIZED IRON	-G.I.	TOP OF STEEL
GALVANIZED STEEL	-G.S.	TOP OF STRUCTURAL CONCRETE
GENERAL CONTRACTOR	-G.C.	TOP OF WALL
GOVERNMENT	-GOVT.	TREAD
GRADE	-GR.	TRIPLE
GRADE BEAM	-GR. BM.	TRUSSES BY OTHERS
H HEADED STUD	-H.S.	TUBE STEEL
HEIGHT	-HT.	TYPICAL
HIGH POINT	-H.P.	U UNLESS NOTED OTHERWISE
HOLLOW STRUCTURAL SHAPE	-HSS	UNDER WALL ABOVE
HORIZONTAL	-HORIZ.	UNDER POINT LOAD
HOOK	-HK.	V VERTICAL
I INFORMATION	-INFO.	W WATERSTOP
INSIDE DIAMETER	-ID.	WATERPROOFING
INSIDE FACE	-I.F.	WELDED WIRE MESH
INTERIOR	-INT.	WIND BRACE
INTERMEDIATE	-INTERM.	WIND LOAD
J JOINT(S)	-JT(S)	WINDOW
JOIST(S)	-JST(S)	WITH
K KIPS	-K	WORK POINT
KIP PER LINEAR FOOT	-KLF	WOOD
KIP PER SQUARE FOOT	-KSF	WROUGHT IRON

TYPICAL DETAIL SHEETS

THE DETAILS IN THE DRAWINGS, INCLUDING THOSE DRAWINGS REFERENCED BY THIS INDEX, WHICH ARE DESIGNATED AS "TYPICAL DETAILS", APPLY GENERALLY TO THE CONSTRUCTION IN ALL AREAS WHERE THE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS, REGARDLESS OF WHETHER OR NOT THE DETAILS ARE SPECIFICALLY REFERENCED IN THE DRAWINGS.

MISCELLANEOUS

- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURES, AND EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE.
- THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETE STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING TO BRACE THE STRUCTURE IN ALL DIRECTIONS.
- THE ENGINEER SHALL NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, GRADE CONDITIONS, (BOTH NEW AND EXISTING) REPORTING ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY PHASE OF THE WORK AS HE WILL BE RESPONSIBLE FOR ALL WORK FITTING AS INTENDED BY THE DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPARE ALL SECTIONS AND REPORT ANY DISCREPANCY TO THE ENGINEER ON RECORD PRIOR TO FABRICATION OR INSTALLING STRUCTURAL MEMBERS.
- CHANGES SHALL NOT BE MADE TO THE DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

SITE PREPARATION

- ENGINEER ON RECORD IS NOT RESPONSIBLE FOR SETTLEMENTS OR SWELL OF THE FOUNDATIONS DUE TO SOIL CONDITIONS. OWNER IS REQUESTED TO HIRE AN INDEPENDENT SOIL TESTING AGENCY TO VERIFY ADEQUACY AND SUITABILITY OF SOIL CONDITIONS.

FOUNDATION NOTES:

CONTRACTOR SHALL REVIEW AND BECOME THOROUGHLY FAMILIAR WITH THE CONTENTS OF THE REFERENCED SOIL REPORT.

5. SOIL DESIGN PARAMETERS:

- φ = EFFECTIVE FRICTION ANGLE = 30
 - SANDY CLAY SOIL
 - ACTIVE PRESSURE DRAINED CONDITION = 68 PSF/FT
- IF ANY OF THE SOIL PARAMETERS, OR INFORMATION MENTIONED IN THIS DOCUMENT DOES NOT MATCH EXISTING CONDITIONS, CONTRACTOR SHALL STOP WORK IMMEDIATELY AND INFORM THE ENGINEER ON RECORD.

FOUNDATION PREPARATION:

- FOLLOWING THE EXCAVATION, THE FOUNDATION SOIL SHALL BE EXAMINED BY THE OWNER'S GEOTECHNICAL ENGINEER TO ASSURE ACTUAL FOUNDATION SOIL STRENGTH MEETS OR EXCEEDS THE ASSUMED DESIGN BEARING STRENGTH.
- SOILS NOT MEETING THE REQUIRED STRENGTH SHALL BE REMOVED AND REPLACED WITH INFILL SOILS, AS DIRECTED BY THE OWNER'S GEOTECHNICAL ENGINEER.
- FOUNDATION SOIL SHALL BE PROOF-ROLLED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY AND INSPECTED BY THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF LEVELING PAD MATERIALS.

LEVELING PAD CONSTRUCTION:

- LEVELING PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES.
- THE LEVELING PAD SHOULD EXTEND Laterally AT LEAST A DISTANCE OF 6 INCHES FROM THE TOE AND HEEL OF THE LOWERMOST SRW UNIT.
- GRANULAR LEVELING PAD MATERIAL SHALL BE COMPACTED TO PROVIDE A FIRM, LEVEL BEARING SURFACE ON WHICH TO PLACE THE FIRST COURSE OF UNITS.
- WELL-GRADED SAND CAN BE USED TO SMOOTH THE TOP 1/4 INCH TO 1/2 INCH OF THE LEVELING PAD. COMPACTION WILL BE WITH MECHANICAL PLATE COMPACTORS TO ACHIEVE 95% OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D 698).
- MATERIAL FOR LEVELING PAD SHALL CONSIST OF COMPACTED SAND, GRAVEL, OR COMBINATION THEREOF (USCS SOIL TYPES GP, GW, SP AND SW) AND SHALL BE A MINIMUM OF 6 INCHES IN DEPTH.

EXCAVATION:

- CONTRACTOR SHALL EXCAVATE TO THE LINES AND GRADES SHOWN ON THE PROJECT GRADING PLANS.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO MINIMIZE OVER-EXCAVATION. OVER-EXCAVATION SHALL BE FILLED WITH COMPACTED INFILL MATERIAL, OR AS DIRECTED BY THE ENGINEER ON RECORD, AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY LOCATION OF EXISTING STRUCTURES AND UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL ENSURE ALL SURROUNDING STRUCTURES ARE PROTECTED FROM THE EFFECTS OF WALL EXCAVATION. EXCAVATION SUPPORT, IF REQUIRED, IS THE RESPONSIBILITY OF THE CONTRACTOR.

CONSTRUCTION ADJACENT TO COMPLETED WALL:

- THE OWNER OR OWNER'S REPRESENTATIVE IS RESPONSIBLE FOR ENSURING THAT CONSTRUCTION BY OTHERS ADJACENT TO THE WALL DOES NOT DISTURB THE WALL OR PLACE TEMPORARY CONSTRUCTION LOADS ON THE WALL THAT EXCEED DESIGN LOADS, INCLUDING LOSES SUCH AS WATER PRESSURE, GRADES, OR EQUIPMENT LOADING. HEAVY PAVING OR GRADING EQUIPMENT SHALL BE KEPT A MINIMUM OF 3 FEET BEHIND THE BACK OF THE WALL FACE. EQUIPMENT WITH WHEEL LOADS IN EXCESS OF 150 PSF LIVE LOAD SHALL NOT BE OPERATED WITHIN 10 FEET OF THE FACE OF THE RETAINING WALL DURING CONSTRUCTION ADJACENT TO THE WALL. CARE SHOULD BE TAKEN BY THE GENERAL CONTRACTOR TO ENSURE WATER RUNOFF IS DIRECTED AWAY FROM THE WALL STRUCTURE UNTIL FINAL GRADING AND SURFACE DRAINAGE COLLECTION SYSTEMS ARE COMPLETED.

SRW CAPS:

- SRW CAPS SHALL BE PROPERLY ALIGNED AND GLUED TO UNDERLYING UNITS WITH VERSA-LOK ADHESIVE, A FLEXIBLE, HIGH-STRENGTH CONCRETE ADHESIVE. RIGID ADHESIVE OR MORTAR ARE NOT ACCEPTABLE.
- CAPS SHALL OVERHANG THE TOP COURSE OF UNITS BY 3/4" TO 1". SLIGHT VARIATION IN OVERHANG IS ALLOWED TO CORRECT ALIGNMENT AT THE TOP OF THE WALL.

DRAINAGE AGGREGATE AND DRAINAGE MATERIAL PLACEMENT:

- DRAINAGE AGGREGATE SHALL BE ANGULAR, CLEAN STONE OR GRANULAR FILL MEETING THE FOLLOWING GRADATION AS DETERMINED IN ACCORDANCE WITH ASTM D 422:

SIEVE SIZE	% PASSING
1"	100
3/4"	75-100
#4	0-50
#40	0-50
#200	0-5

- DRAINAGE AGGREGATE SHALL BE INSTALLED TO THE LINE, GRADES AND SECTIONS SHOWN ON THE RETAINING WALL PLANS. DRAINAGE AGGREGATE SHALL BE PLACED TO THE MINIMUM THICKNESS SHOWN ON THE CONSTRUCTION PLANS BETWEEN AND BEHIND UNITS (A MINIMUM OF 1 CUBIC FOOT FOR EACH EXPOSED SQUARE FOOT OF WALL FACE UNLESS OTHERWISE NOTED).
- DRAINAGE COLLECTION PIPES SHALL BE INSTALLED TO MAINTAIN GRAVITY FLOW OF WATER OUTSIDE THE REINFORCED-SOIL ZONE. THE DRAINAGE COLLECTION PIPE SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE FINAL CONSTRUCTION DRAWINGS. THE DRAINAGE COLLECTION PIPE SHALL DAYLIGHT INTO A STORM SEWER OR ALONG A SLOPE, AT AN ELEVATION BELOW THE LOWEST POINT OF THE PIPE WITHIN THE AGGREGATE DRAIN.

SEGMENTAL RETAINING WALL (SRW) UNIT INSTALLATION:

- ALL SRW UNITS SHALL BE INSTALLED AT THE PROPER ELEVATION AND ORIENTATION AS SHOWN ON THE PLANS AND DETAILS.
- THE SRW UNITS SHALL BE INSTALLED IN GENERAL ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE SPECIFICATIONS AND DRAWINGS SHALL GOVERN IN ANY CONFLICT BETWEEN THE TWO REQUIREMENTS.
- FIRST COURSE OF SRW UNITS SHALL BE PLACED ON THE LEVELING PAD. THE UNITS SHALL BE LEVELLED SIDE-TO-SIDE, FRONT-TO-REAR AND WITH ADJACENT UNITS, AND ALIGNED TO ENSURE INTIMATE CONTACT WITH THE LEVELING PAD. THE FIRST COURSE IS THE MOST IMPORTANT TO ENSURE ACCURATE AND ACCEPTABLE RESULTS. NO GAPS SHALL BE LEFT BETWEEN THE FRONT OF ADJACENT UNITS. ALIGNMENT MAY BE DONE BY MEANS OF A STRING LINE OR OFFSET FROM BASE LINE TO THE BACK OF THE UNITS.
- ALL EXCESS DEBRIS SHALL BE CLEANED FROM TOP OF UNITS AND THE NEXT COURSE OF UNITS INSTALLED ON TOP OF THE UNITS BELOW.
- TWO VERSA-TUFF CONNECTION PINS SHALL BE INSERTED THROUGH THE PIN HOLES OF EACH UPPER-COURSE UNIT INTO RECEIVING SLOTS IN LOWER-COURSE UNITS. PINS SHALL BE FULLY SEATED IN THE PIN SLOT BELOW. UNITS SHALL BE PUSHED FORWARD TO REMOVE ANY LOOSENESS IN THE UNIT-TO-UNIT CONNECTION.
- PRIOR TO PLACEMENT OF NEXT COURSE, THE LEVEL AND ALIGNMENT OF THE UNITS SHALL BE CHECKED AND CORRECTED WHERE NEEDED. LAYOUT OF CURVES AND CORNERS SHALL BE INSTALLED IN ACCORDANCE WITH SRW MANUFACTURER'S INSTALLATION GUIDELINES. WALLS MEETING AT CORNERS SHALL BE INTERLOCKED BY OVERLAPPING SUCCESSIVE COURSES.
- PROCEDURES "3" THROUGH "6" SHALL BE REPEATED UNTIL REACHING TOP OF WALL UNITS, JUST BELOW THE HEIGHT OF THE CAP UNITS. GEOSYNTHETIC REINFORCEMENT, DRAINAGE MATERIALS, AND REINFORCED BACKFILL SHALL BE PLACED IN SEQUENCE WITH UNIT INSTALLATION AS DESCRIBED IN GENERAL NOTES.

GEOSYNTHETIC REINFORCEMENT PLACEMENT:

- ALL GEOSYNTHETIC REINFORCEMENT SHALL BE INSTALLED AT THE PROPER ELEVATION AND ORIENTATION AS SHOWN ON THE RETAINING WALL DETAILS.
- AT THE ELEVATIONS SHOWN ON THE FINAL PLANS, (AFTER THE UNITS, DRAINAGE MATERIAL AND BACKFILL HAVE BEEN PLACED TO THIS ELEVATION) THE GEOSYNTHETIC REINFORCEMENT SHALL BE LAID HORIZONTALLY ON COMPACTED INFILL AND ON TOP OF THE CONCRETE SRW UNITS, TO WITHIN 1 INCH OF THE FRONT FACE OF THE UNIT BELOW. EMBEDMENT OF THE GEOSYNTHETIC IN THE SRW UNITS SHALL BE CONSISTENT WITH SRW MANUFACTURER'S RECOMMENDATIONS. CORRECT ORIENTATION OF THE GEOSYNTHETIC REINFORCEMENT SHALL BE VERIFIED BY THE CONTRACTOR TO BE IN ACCORDANCE WITH THE GEOSYNTHETIC MANUFACTURER'S RECOMMENDATIONS. THE HIGHEST-STRENGTH DIRECTION OF THE GEOSYNTHETIC MUST BE PERPENDICULAR TO THE WALL FACE.
- GEOSYNTHETIC REINFORCEMENT LAYERS SHALL BE ONE CONTINUOUS PIECE FOR THEIR ENTIRE EMBEDMENT LENGTH. SPLICING OF THE GEOSYNTHETIC IN THE DESIGN-STRENGTH DIRECTION (PERPENDICULAR TO THE WALL FACE) SHALL NOT BE PERMITTED. ALONG THE LENGTH OF THE WALL, HORIZONTALLY ADJACENT SECTIONS OF GEOSYNTHETIC REINFORCEMENT SHALL BE BUTTED IN A MANNER TO ASSURE 100% COVERAGE PARALLEL TO THE WALL FACE.
- TRACKED CONSTRUCTION EQUIPMENT SHALL NOT BE OPERATED DIRECTLY ON THE GEOSYNTHETIC REINFORCEMENT. A MINIMUM OF 6 INCHES OF BACKFILL IS REQUIRED PRIOR TO OPERATION OF TRACKED VEHICLES OVER THE GEOSYNTHETIC. TURNING SHOULD BE KEPT TO A MINIMUM. RUBBER-TIRED EQUIPMENT MAY PASS OVER THE GEOSYNTHETIC REINFORCEMENT AT SLOW SPEEDS (LESS THAN 5 MPH).
- THE GEOSYNTHETIC REINFORCEMENT SHALL BE FREE OF WRINKLES PRIOR TO PLACEMENT OF SOIL FILL. THE NOMINAL TENSION SHALL BE APPLIED TO THE REINFORCEMENT AND SECURED IN PLACE WITH STAPLES, STAKES OR BY HAND TENSIONING UNTIL REINFORCEMENT IS COVERED BY 6 INCHES OF FILL.

BACKFILL PLACEMENT:

- THE REINFORCED BACKFILL SHALL BE PLACED AS SHOWN IN THE FINAL WALL PLANS IN THE MAXIMUM COMPACTED LIFT THICKNESS OF 8" AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D 698) AT A MOISTURE CONTENT WITHIN -1% POINT TO +3% POINTS OF OPTIMUM. THE BACKFILL SHALL BE PLACED AND SPREAD IN SUCH A MANNER AS TO ELIMINATE WRINKLES OR MOVEMENT OF THE GEOSYNTHETIC REINFORCEMENT AND THE SRW UNITS.
- ONLY HAND-OPERATED COMPACTION EQUIPMENT SHALL BE ALLOWED WITHIN 3 FEET OF THE BACK OF THE WALL UNITS. COMPACTION WITHIN THE 3 FEET BEHIND THE WALL UNITS SHALL BE ACHIEVED BY AT LEAST THREE PASSES OF A LIGHTWEIGHT MECHANICAL TAMPER, PLATE, OR ROLLER.
- AT THE END OF EACH DAY'S OPERATION, THE CONTRACTOR SHALL SLOPE THE LAST LEVEL OF BACKFILL AWAY FROM THE WALL FACING AND REINFORCED BACKFILL TO DIRECT WATER RUNOFF AWAY FROM THE WALL FACE.
- AT COMPLETION OF WALL CONSTRUCTION, BACKFILL SHALL BE PLACED LEVEL WITH FINAL TOP OF WALL ELEVATION. IF FINAL GRADING, PAVING, LANDSCAPING AND/OR STORM DRAINAGE INSTALLATION ADJACENT TO THE WALL IS NOT PLACED IMMEDIATELY AFTER WALL COMPLETION, TEMPORARY GRADING AND DRAINAGE SHALL BE PROVIDED TO ENSURE WATER RUNOFF IS NOT DIRECTED AT THE WALL NOR ALLOWED TO COLLECT OR POND BEHIND THE WALL UNTIL FINAL CONSTRUCTION ADJACENT TO THE WALL IS COMPLETED.

SEGMENTAL RETAINING WALL UNITS:

- SRW UNITS SHALL BE MACHINE-FORMED, PORTLAND CEMENT CONCRETE BLOCKS SPECIFICALLY DESIGNED FOR RETAINING WALL APPLICATIONS. SRW UNITS CURRENTLY APPROVED FOR THIS PROJECT ARE: VERSA-LOK "STANDARD" RETAINING WALL UNITS AS MANUFACTURED BY VERSA-LOK RETAINING WALL SYSTEMS (WWW.VERSA-LOK.COM) WITH THE FOLLOWING SPECIFICATIONS:
 - WIDTH (FACE): 16" (406.4MM)
 - WIDTH (REAR): 14" (355.6MM)
 - HEIGHT: 6" (152.4MM)
 - DEPTH: 12" (304.8MM)
 - FACE AREA: 0.667 FT² (0.062M²)
 - WEIGHT: 82 LBS (37.19KG)
 - WEIGHT / FACE AREA: 123LBS/FT² (600KG/M²)
 - SETBACK: 3/4" PER UNIT
 - BATTER/CANT: 7.13°
 - # VERSA-TUFF PINS: 2 PER UNIT
 - MINIMUM RADIUS: 8 FT
- COLOR OF SRW UNITS SHALL BE AS PER OWNER.
- FINISH OF SRW UNITS SHALL BE SPLIT-FACE.
- SRW UNIT FACES SHALL BE OF STRAIGHT GEOMETRY.
- SRW UNIT HEIGHT SHALL BE 6 INCHES.
- SRW UNITS SHALL PROVIDE A MINIMUM WEIGHT OF 120 PSF WALL FACE AREA.
- SRW UNITS SHALL BE SOLID THROUGH THE FULL DEPTH OF THE UNIT.
- SRW UNITS SHALL HAVE A DEPTH (FRONT FACE TO REAR) TO HEIGHT RATIO OF 2:1, MINIMUM.
- SRW UNITS SHALL BE CAPABLE OF BEING ERECTED WITH THE HORIZONTAL GAP BETWEEN ADJACENT UNITS NOT EXCEEDING 1/8 INCH.
- SRW UNITS SHALL BE INTERLOCKED WITH CONNECTING PINS THAT PROVIDE 3/4" SETBACK FROM UNIT BELOW (YIELDING A 7-DEGREE CANT FROM VERTICAL).
- SRW UNITS SHALL BE SOUND AND FREE OF CRACKS OR OTHER DEFECTS THAT WOULD INTERFERE WITH THE PROPER PLACING OF THE UNIT OR SIGNIFICANTLY IMPAIR THE STRENGTH OR PERMANENCE OF THE STRUCTURE. ANY CRACKS OR CHIPS OBSERVED DURING CONSTRUCTION SHALL FALL WITHIN THE GUIDELINES OUTLINED IN ASTM C 1372.
- CONCRETE SRW UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 1372 AND HAVE A MINIMUM NET AVERAGE 28 DAYS COMPRESSIVE STRENGTH OF 3000 PSI. COMPRESSIVE STRENGTH TEST SPECIMENS SHALL CONFORM TO THE SAW-CUT COUPON PROVISIONS OF ASTM C 140. M. SRW UNITS' MOLDED DIMENSIONS SHALL NOT DIFFER MORE THAN + 1/8 INCH FROM THAT SPECIFIED, AS MEASURED IN ACCORDANCE WITH ASTM C 140. THIS TOLERANCE DOES NOT APPLY TO ARCHITECTURAL SURFACES, SUCH AS SPLIT FACES.

GENERAL CONSTRUCTION NOTES:

- CONSTRUCT WASTEWATER COLLECTION SYSTEMS, WATER LINES AND STORM DRAINAGE 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 THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING.
- 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 713-223-4567/811 OR 800-344-8377 AND LONE STAR NOTIFICATION CENTER AT 800-669-8344 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, WASTEWATER AND STORM DRAINAGE LINES. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S 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, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING IN WRITING 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 COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.

DETENTION POND OWNERSHIP & MAINTENANCE NOTES:

PROVISIONS SHALL BE MADE BY THE OWNER TO ENSURE THAT THE DEVELOPMENT DETENTION FACILITY IS MAINTAINED.



CITY OF HOUSTON
FORM A
ACCESS MANAGEMENT
DATA SUMMARY

SITE INFORMATION:

15545 WEST BELLFORT BLVD, SUGAR LAND, TX

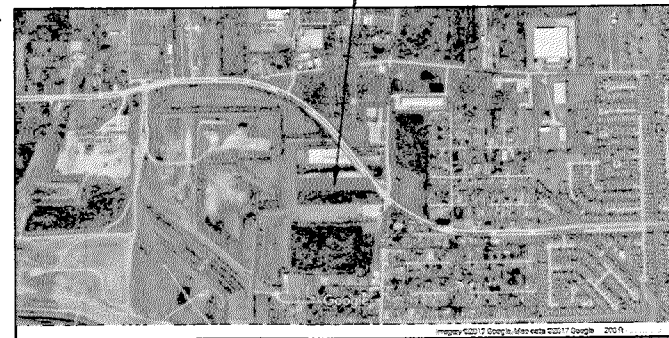
Street Address (Primary Access):

Legal Description (if no street address)

497 77498

Key Map Page No. Zip Code

SUBJECT PROPERTY



The dimensions of the private property, and the type and location of improvements thereon or to be placed thereon:

Tract Size (Sq Ft or Acres): 1.978 ACRES

Current Land Use (include # of units, square footage of improvements, etc.) NONE - VACANT LAND

Current Trip Generation Rates (Based on ITE Trip Generation Handbook or COH approved local rate)

ITE Land Use Classification: VACANT/CLEAR_AM Trip Rate: 0 PM Trip Rate: 0

AM Peak Hour Trips: 0 PM Peak Hour Trips: 0 Average Daily Traffic: 0

Proposed use to be made of the private property: (include proposed # of units, square footage of improvements, etc.) (7) WAREHOUSING UNITS - 2,275 SQ FT EACH WITH A TOTAL OF 15,925 SQ FT OF ENCLOSED WAREHOUSE AREA.

Proposed Trip Generation Rates (Based on ITE Trip Generation Handbook or COH approved local rate)

ITE Land Use Classification: CODE: 150 AM Trip Rate: 0.30 PM Trip Rate: 0.32

AM Peak Hour Trips: 5 PM Peak Hour Trips: 5 Average Daily Traffic: 57

CALCULATIONS:
UNITS = 1000 SQ FT, TOTAL AREA=15,925 SQ FT, TOTAL UNITS=7000/1000=15.925
ITE 9TH ED GENERATION RATES: WEEKDAY=3.56, AM=0.30, PM=0.32
TOTAL GENERATED TRIPS:
DAILY=3.56X15.925=57, AM=0.30X15.925=5, PM=0.32X15.925=5



Fort Bend County Engineering
FORT BEND COUNTY, TEXAS

Richard W. Stolleis, P.E.
County Engineer

Fort Bend County
Construction - General Notes

- Fort Bend County must be invited to the Pre-Construction Meeting.
- Contractor shall notify Fort Bend County Engineering Department 48 hours prior to commencing construction and 48 hour notice to any construction activity within the limits of the paving at Construction@fortbendcountytexas.gov.
- Contractor is responsible for obtaining all permits required from Fort Bend County prior to commencing construction of any improvements within County road right of ways.
- All Paving Improvements shall be constructed in accordance with Fort Bend County "Rules, Regulations and Requirements" relating to the Approval and Acceptance of Improvements in Subdivisions as currently amended.
- All road widths, curb radii and curb alignment shown indicates back of curb
- A continuous longitudinal reinforcing bar shall be used in the curbs.
- All concrete pavement shall be 5 1/2 sack cement with a minimum compressive strength of 3500 psi at 28 days. Transverse expansion joints shall be installed at each curb return and at a maximum spacing of 60 feet.
- All weather access to all existing streets and driveways shall be maintained at all times.
- 4"x12" reinforced concrete curb shall be placed in front of single family lots only. All other areas shall be 6" reinforced concrete curb.
- At all intersection locations, Type 7 ramps shall be placed in accordance with TxDOT Ped-12a standard detail sheet. A.D.A. - Handicap Ramps shall be installed with street paving at all intersections and comply with current A.D.A. regulations.
- Curb headers are required at curb connections to Handicap Ramps, with no construction joint within 5' of ramps.
- All intersections utilizing Traffic Control measures shall have A.D.A. wheel chair ramps installed.
- Guidelines are set forth in the Texas "Manual on Uniform Traffic Control Devices", as currently amended, shall be observed. The Contractor shall be responsible for providing adequate flagmen, signing, striping and warning devices, etc., during construction - both day and night.
- All R1-1 stop signs shall be 30"x30" with diamond grade sheeting per Texas manual on uniform traffic control devices.
- Street name signage shall be on a 9" high sign flat blade w/reflective green background. Street names shall be upper and lowercase lettering with uppercase letters of 6" minimum and lowercase letters of 4.5" minimum. The letters shall be reflective white. Street name signs shall be mounted on stop sign post.
- A Blue Double Reflectorized button shall be placed at all Fire Hydrant locations. The Button shall be placed 12 inches off of the centerline of the street on the same side as the hydrant.
- The project and all parts thereof shall be subject to inspection from time to time by inspectors designated by Fort Bend County. No such inspections shall relieve the Contractor of any of its obligations hereunder. Neither failure to inspect nor failure to discover or reject any of the work as not in accordance with the drawings and specifications, requirements and specifications of Fort Bend County or any provision of this project shall be construed to imply an acceptance of such work or to relieve the Contractor of any of its obligations hereunder.

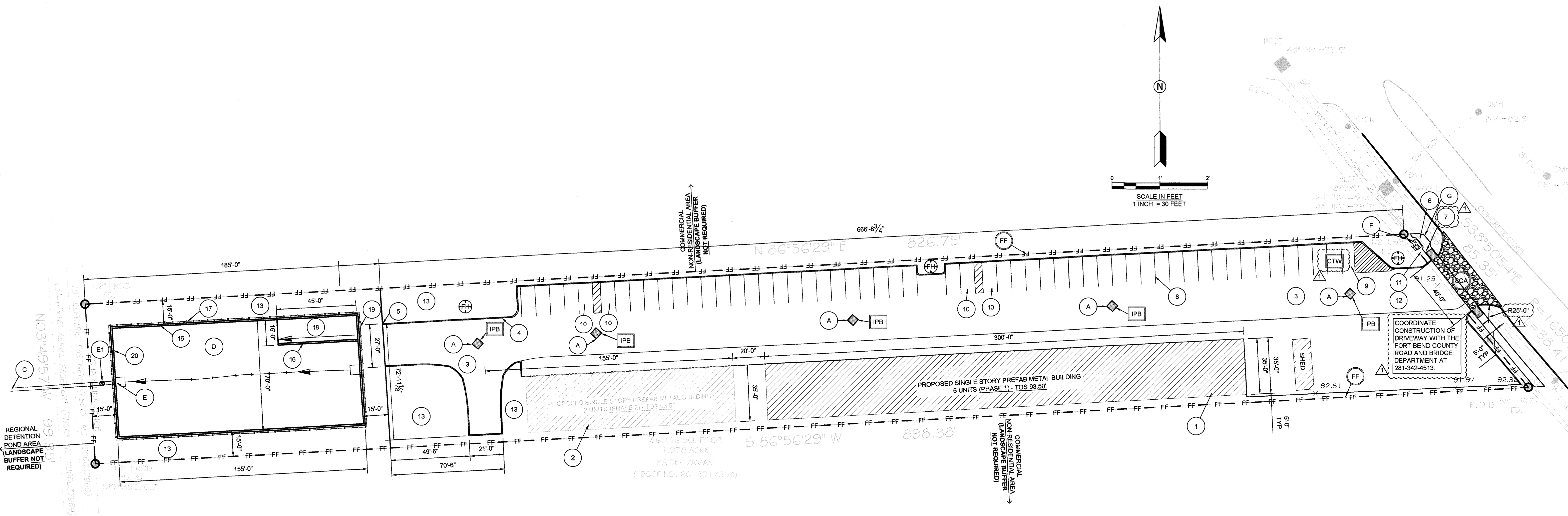
NOTE: Fort Bend County notes supersede any conflicting notes.

301 Jackson St., Suite 401, Richmond, TX 77469
Phone 281-633-7500

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APPROVED: Casandra J. G. Development Coordinator

DATE: 4-13-2018



CITY OF HOUSTON
DEPARTMENT OF PLANNING & DEVELOPMENT

OFF-STREET PARKING REQUIREMENTS
(PLEASE ATTACH TO SITE PLAN)

A) PROPOSED LAND USE Class 4-b: Bulk warehouse
B) PREVIOUS LAND USE None - vacant
C) 1. GROSS FLOOR AREA OF PROPOSED DEVELOPMENT Building A & B = 15,925 sq ft total
2. NUMBER OF SEATS none
D)* NO. PARKING SPACES REQUIRED FOR THE PROPOSED DEVELOPMENT PER CHAPTER 26 CODE OF ORDINANCES Office spaces-1239 sq ft (7 sp), warehouse-14088 sq ft (7 sp), TOTAL PROPOSED-15,327 sq ft
E)* NO. OF PROPOSED PARKING SPACES ON-SITE, 60 parking spaces provided > 14 Required
F)* NO. OF PROPOSED PARKING SPACES OFF-STREET none (IF APPLICABLE)
DISTANCE (MEASURED ON A CLEARLY DELINEATED PEDESTRIAN PATH OR WALKWAY) TO OFF-SITE PARKING: not applicable
* NOTE: IF ADDITIONAL PARKING IS REQUIRED E OR E + F MUST = 0
THE FOLLOWING INFORMATION MUST ALSO BE PROVIDED IF PARKING SPACES FOR AN EXISTING LAND USE ARE TO BE USED TO SATISFY THE PARKING REQUIREMENT:
EXISTING LAND USE none - vacant land
EXISTING GROSS FLOOR AREA none - vacant land
EXISTING PARKING SPACES: ON-SITE none OFF-SITE none

x Calculations:

- A. STREET TREES:
Length of property line in lineal feet as measured along all sides of the property fronting on a public street(s).
123.72 lineal feet/30 = 3 Street trees required.
(Staff may create an artificial lot)
- B. PARKING LOT TREES:
Number of new parking stalls to be constructed 60 /10 = 6
parking lot trees required.
- C. TOTAL TREE REQUIREMENT:
A. + B. = 9 total number of street and parking lot trees required.
- D. SHRUBS: (Are required for new or the expanded portion of parking lots)
Total number of Street trees required, from A above 9 x 10 = 90
shrubs.
- ** LANDSCAPE BUFFER NOT REQUIRED. SEE SITE PLAN FOR BOUNDARY CONDITIONS. **
- E. LANDSCAPE BUFFER:
6' high screening fence, or 15' wide evergreen planting strip along the total length of property line adjacent to existing single-family residential, or limit of expansion adjacent to existing single-family residential.
(Site plan must show land use on all side of the property)

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 (SWPP) PLANS TO KEEP SILT AND OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STORM.
- 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 FORM 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.

FIRE NOTES:

- CURBS LOCATED BETWEEN APPROVED FIRE LANE-TOW-AWAY ZONE SIGNS SHALL BE PAINTED RED OR A RED STRIPE SHALL BE PLACED ALONG THE PAVEMENT WHERE THERE IS NO CURB. THESE CURBS SHALL ALSO BE CONSPICUOUSLY AND LEGIBLY MARKED WITH THE WARNING "FIRE LANE-TOW-AWAY ZONE" IN WHITE LETTERS AT LEAST 3' IN HEIGHT, AT INTERVALS NOT EXCEEDING 50'.
- ANY COLOR OTHER THAN RED MAY BE USED IN "NO PARKING" DESIGNATED AREAS THAT ARE NOT APPROVED FIRE LANES. RED COLORED CURBS, PAVEMENT STRIPPING OR WHEEL STOPS SHALL BE USED ONLY TO DESIGNATE APPROVED FIRE LANES.

LANDSCAPING LEGEND:

- STREET TREES LIVE OAK (15 TYP) QUERCUS VIRGINIANA
- 30 GALLON
 - 2.5" MIN. CALIPER
 - 8-12 FEET TALL
 - 30' ON CENTER EACH WAY
- SHRUBS KNOCK OUT ROSE (80 TYP) ROSA 'RADARAZZ'
- 5 GALLON
 - 18" TALL
 - ± 3'-6" ON CENTER EACH WAY

SITE KEYNOTES:

- BUILDING: PROPOSED ONE STORY BUIDLING; 35' X 300' = 10,500 SQ. FT.
- BUILDING: PROPOSED ONE STORY BUIDLING; 35' X 130' = 4,550 SQ. FT. [FUTURE - PHASE 2]
- PROPOSED 6" CONCRETE PAVING, 3,000 PSI, #4 @ 24" O.C.; 6" COMPACTED LIME STABILIZED SUB-GRADE @ 6% LIME; REF: C4.1 FOR PAVING DETAILS.
- PROPOSED 6" CONCRETE CURB (TYP.) REFERENCE C4.1.
- END PROPOSED 6" CONCRETE CURB; REFERENCE C4.1.
- PROPOSED 5' WIDE PEDESTRIAN WALKWAY: 4" THICK CONC PAVEMENT, 3000 PSI; #3 @ 18"; 2" SAND 90% STD DENSITY. RE: C4.1.
- PROPOSED A.D.A. RAMP COMPLYING WITH TXDOT PED-12A, TYPE 7; RE: C4.3
- PROPOSED 4" PARKING LOT MARKINGS; COLOR TBD BY OWNER. PARKING STALL SIZE 9' (MIN) WIDE X 19' LONG TYPICAL UNO.
- PROPOSED VAN ACCESSIBLE PARKING SPACE COMPLYING WITH TEXAS ACCESSIBILITY STANDARDS 502. VAN PARKING SPACE SHALL BE 8' WIDE MIN. SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ADJACENT ACCESS AISLE OF 8' WIDE MIN.
- PROPOSED ACCESSIBLE PARKING SPACE COMPLYING WITH TEXAS ACCESSIBILITY STANDARDS 502. PARKING SPACE SHALL BE 8' WIDE MIN. SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ADJACENT ACCESS AISLE OF 5' WIDE MIN.
- PROPOSED STREET TREES: REFER TO LANDSCAPING LEGEND FOR DETAILS.
- PROPOSED STREET SHRUBS: REFER TO LANDSCAPING LEGEND FOR DETAILS.
- GRASS AREA - NO PAVING.
- PROPOSED TXDOT PED-12A TYPE 7 RAMP.
- PROPOSED SITE PREMISE SIGN; (PYLON SIGNAGE SIZE, HEIGHT, & TYPE TBD BY OWNER) CAUTION DO NOT ENCR OACH ON EXISTING AERIAL EASEMENT.
- SEGMENTAL RETAINING WALL. RE: C2.0 FOR DETAILS.
- PROPOSED FENCE ALONG PERIMETER OF DETENTION POND; 48 IN X 72 IN BLACK ALUMINUM FENCE PANEL FLAT TOP FOR 2-RAIL MODEL # F0S482EBL1 (HOME DEPOT) OR 6 FT CHAIN LINK FENCE, TO BE DETERMINED BY OWNER.
- POND RAMP 45 FT LONG 15 FT WIDE ; 6:1 SLOPE. 6 INCH COMPACTED LIME STABILIZED SUBGRADE AT 6%.
- PROPOSED 12 FT WIDE GATE ACCESS FOR ONSITE DETENTION POND.
- EMERGENCY ESCAPE LADDER.

DRAINAGE KEYNOTES:

REFERENCE C2.0 FOR ALL DRAINAGE GRADES & OUTFALL DETAIL

- A) PROPOSED 24" X 24" TYPE "A" GRATE INLET (6 TYP). REFERENCE: C2.0 & C4.0.
- C) PROPOSED STORM SEWER OUTFALL CONNECTION TO EXISTING REGIONAL DETENTION POND. RE: C/S2.0
- D) PROPOSED ON-SITE STORM WATER DETENTION POND. REFERENCE: C2.0.
- E) PROPOSED ROCK FILTER DAM (18" HIGH). REFER TO "FILTER DAM AT DETENTION BASIN OUTFALL PIPE". RE: C4.3.
- E1) STANDARD MANHOLE WITH RIM AND COVER.

UTILITY KEYNOTES:

REFERENCE C3.0 FOR ALL UTILITY DETAILS.

- F) PROPOSED FIRE HYDRANT WATER LINE DCVA IN RIGHT OF WAY. RE: C3.0
- G) PROPOSED FIRE HYDRANT WATER LINE CONNECTION TO EXISTING WATER LINE. VERIFY LOCATION. REFERENCE: C3.0.

S.W.P.P.P. LEGEND:

- FF) FILTER FABRIC FENCE (REQUIRED) OFFSET INWARD
- SCA) ALL WEATHER STABILIZED CONSTRUCTION ACCESS ROAD (REQUIRED) - RE: C4.2.
- IPB) INLET PROTECTION BARRIER (REQUIRED) - RE: C4.2.
- CTW) CONCRETE TRUCK WASH-OUT AREA (REQUIRED) - RE: C4.2.
- RF) ROCK FILTER DAM. REFER TO "FILTER DAM AT DETENTION BASIN OUTFALL PIPE". RE: C4.2.
- FDH) PROPOSED STD FIRE HYDRANT; SEE C3.0 FOR DETAILS
- SS) STORM DRAINAGE SEWER MANHOLE

APPROVED: Casandra
Development Coordinator
DATE: 4-13-18

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TX FIRM REGISTRATION #:
12821

STATE OF TEXAS
CHADI AYUB
98170
LICENSED PROFESSIONAL ENGINEER
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHADI AYUB, P.E. 98170 ON 10/31/2017.

REV	DATE	DESCRIPTION

HAIDER ZAMAN WEST BELLFORT
WAREHOUSE BUILDINGS
15545 WEST BELLFORT BLVD, SUGAR LAND,
TX 77498

C.ENG. FILE #: C17-575
DETAILED BY: CA
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
PAGE TITLE:

SITE PLAN

SHEET NO.:

C1.0

DETENTION POND OWNERSHIP & MAINTENANCE NOTES:

PROVISIONS SHALL BE MADE BY THE OWNER TO ENSURE THAT THE DEVELOPMENT DETENTION FACILITY IS MAINTAINED AT ALL TIMES.

THE TOP OF ALL FLOOR SLABS SHALL A MINIMUM OF 93.50' ABOVE MEAN SEE LEVEL.

THE TOP OF SLAB ELEVATION AT ANY POINT ON THE PERIMETER OF THE SLAB SHALL NOT BE LESS THAN EIGHTEEN (18) INCHES ABOVE NATURAL GRADE.

MINIMUM SLAB ELEVATION ANALYSIS:

- 18 INCHES ABOVE THE NEAREST 100-YEAR BASE FLOOD ELEVATION (BFE): NOT APPLICABLE (NO FLOOD ZONE)
- ONE FOOT (12") ABOVE THE EXTREME EVENT PONDING OR SHEET FLOW ELEVATION ON THE SITE: 92.40' + 1' (12") = 93.40'
- EIGHTEEN (18) INCHES ABOVE THE LOWEST SIGNIFICANT CONTOUR SHOWN ON PLAT: 92.00' + 1.50' (18") = 93.50'
- EIGHTEEN (18) INCHES ABOVE THE DETENTION POND (WSEL) ON THE SITE: 90.00' + 1.50' (18") = 91.50'
- EIGHTEEN (18) INCHES ABOVE THE WEST BELLFORT DETENTION FACILITY (WSEL) ON THE SITE: 89.00' + 1.50' (18") = 90.50'

TOP OF GRATE EXTREME PONDING EVENT ANALYSIS:

1. INLET A-1: 91.50' + 0.80' = 92.30'
2. INLET A-2: 91.50' + 0.80' = 92.30'
3. INLET A-3: 91.50' + 0.80' = 92.30'
4. INLET A-4: 91.50' + 0.80' = 92.30'
5. INLET A-5: 91.50' + 0.80' = 92.30'

SITE KEYNOTES:

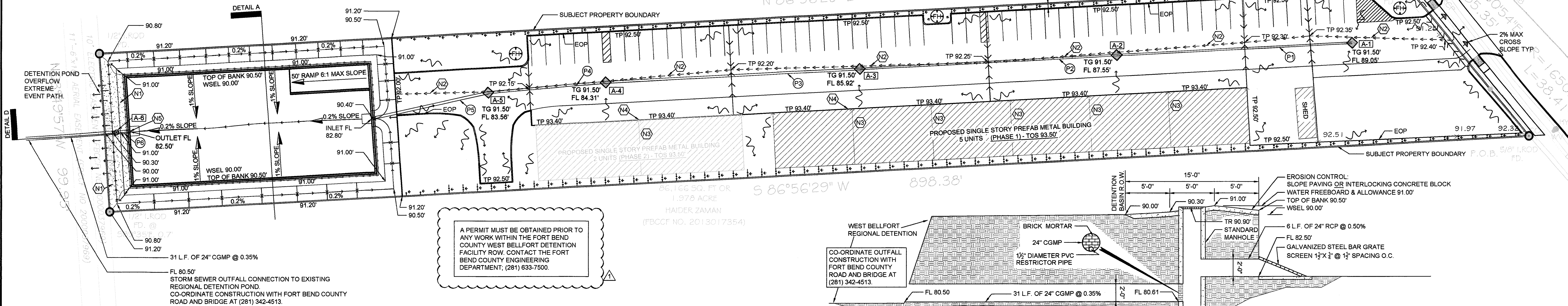
- A1 TYPE "A" GRATE INLET (5.00 CFS)
- A2 TYPE "A" GRATE INLET (5.00 CFS)
- A3 TYPE "A" GRATE INLET (5.00 CFS)
- A4 TYPE "A" GRATE INLET (5.00 CFS)
- A5 TYPE "A" GRATE INLET (5.00 CFS)
- A6 STANDARD MANHOLE WITH RIM COVER
- P1 150 L.F. OF 12" HDPE @ 1.00%
- P2 163 L.F. OF 15" HDPE @ 1.00%
- P3 161 L.F. OF 18" HDPE @ 1.00%
- P4 75 L.F. OF 24" HDPE @ 1.00%
- P5 76 L.F. OF 24" HDPE @ 1.00%
- P6 6 L.F. OF 24" RCP @ 0.50%
- N1 EROSION CONTROL: SLOPE PAVING OR INTERLOCKING CONCRETE BLOCK
- N2 SHEET FLOW PATH FOR EXTREME PONDING EVENTS
- N3 ROOF SLOPES FROM BACK OF BUILDING TO FRONT (PARKING AREA SIDE)
- N4 ROOF GUTTERS SHALL HAVE A MINIMUM OF THE FOLLOWING SPECS [REFER TO DOWNSPOUT & GUTTER SIZING REPORT THIS SHEET]:
 - DEPTH TO WIDTH RATIO = 0.75
 - MINIMUM GUTTER WIDTH = 7" [RECTANGULAR]
 - MINIMUM GUTTER DEPTH = 5"
- N5 ROOF DOWNSPOUTS SHALL HAVE A MINIMUM OF THE FOLLOWING SPECS:
 - MINIMUM DOWN SPOUT AREA = 11.47 IN² [2.75" x 4.70" RECTANGULAR]
 - MAXIMUM DOWN SPOUT SPACING = 65 FT
- N6 GALVANIZED STEEL BAR GRATE SCREEN 1½" x ½" @ 1½" SPACING O.C.

LEGEND:

- BOP BOTTOM OF DETENTION POND
- CGMP CORRUGATED GALVANIZES METAL PIPE
- EOP END OF PAVEMENT
- EXIST EXISTING
- FL FLOW LINE
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- L.F. LINEAR FEET
- PROP PROPOSED
- TC TOP OF CURB
- TG TOP OF GRATE
- TP TOP OF PAVEMENT
- TYP TYPICAL
- WFE WATER FREEBOARD ELEVATION
- WSEL 100 YEAR WATER SURFACE ELEVATION
- SHEET FLOW PATH FOR EXTREME PONDING EVENTS
- ON-SITE STORM PIPE
- SHEET FLOW DIRECTION
- DIRECTION OF SLOPE

NOTES:

- ALL PROPERTY TO DRAIN INTO THE DRAINAGE EASEMENT ONLY THROUGH AN APPROVED DRAINAGE STRUCTURE.
- DETENTION POND SHOWN ON PLAN RESEMBLES THE ULTIMATELY RESERVED SINCE THE DESIGN ACCOUNTS FOR A COMPLETE TRACT DEVELOPMENT. NO FUTURE PHASING OR ADDITIONS IS PROPOSED. ANY FUTURE UNACCOUNTED FOR DETENTION POND EXPANSION WILL BE RESOLVED BY CONCRETE WALL RETAINING WALLS AND DEEPER POND.



EXISTING CAPACITY ALLOCATED TO TRACT & PROPOSED DETENTION POND DESIGN NOTES:

- THE MAXIMUM ALLOWABLE RELEASE RATE IS 0.125 CFS/ACRE (FORT BEND COUNTY DRAINAGE MANUAL). TOTAL AREA OF REFERENCED LOT IS 1.97 ACRES. THEREFORE ALLOCATED DRAINAGE RUNOFF CAPACITY FOR SUBJECT PROPERTY ONLY IS (1.97 AC)(0.125 CFS/AC) = (0.25 CFS). RUNOFF DISCHARGES TO AN EXISTING REGIONAL DETENTION "POND 1" DA-DET/133 LOCATED ON THE BACK OF THE PROPERTY AS SHOWN ON REFERENCED REPORT AND PLANS ABOVE.
- IMPERVIOUS AREA ADDED IS 1.58 ACRES TO EXISTING SITE. TOTAL AREA OF REFERENCED TRACT IS 1.978 ACRES. EXISTING TRACT HAS NO IMPERVIOUS AREA CURRENTLY ON SITE AS SHOWN ON MOST RECENT SURVEY. THUS, TOTAL AREA OF IMPERVIOUS (EXISTING) IS 0.0 ACRES.
- THE 100 YEAR STORM FREQUENCY DETENTION POND VOLUME IS BASED ON A DETENTION RATE OF 0.9 AC-FT/AC (78.5% IMPERVIOUS).
- A RESTRICTOR OUTFALL PIPE OF (1½) INCH DIAMETER IS PROPOSED TO DISCHARGE WATER FROM THE DETENTION POND TO THE EXISTING REGIONAL DETENTION POND LOCATED ON THE BACK OF THE PROPERTY. DESIGN DISCHARGE FLOW RATE IS AT (0.25 CFS).
- THE TOTAL MAXIMUM INFLOW RATE INTO PROPOSED DETENTION POND = 15.76 CFS THROUGH INLETS A-5 AS SHOWN ON THIS SHEET (C2.0).
- DETENTION PROVIDED = 78,675 FT³ > ALLOWABLE DETENTION = 77,549 FT³
- WATER FREEBOARD & ALLOWANCE PROVIDED = 1.00 FT ABOVE WSEL

HYDRAULIC CALCULATIONS - 100 YEAR DESIGN:

Rational method for runoff: Q = CIA

$C_{10} = 0.8$ $C_1 = 1.25$ $C_{10} \times C_1 = 1$ ≤ 1 , therefore use C = 1

$b = 146.18$ $d = 15.12$ $e = 0.7851$

Total Area = 1.98 AC

$D_p = 115.0$ ft $V = 2.5$ ft/s

Pavement, T = $D_p / (60 V) = 0.77$ mins

$D_p = 650.0$ ft $V = 3.2$ ft/s

Pipes, T = $D_p / (60 V) = 3.41$ mins

$T_c = 4.2$ mins < 10.00 mins Therefore, use $T_c = 10.00$ mins

Intensity, I = $b / (d + T_c)^e = 11.63409329$ (100 YR, Hydro35/TP-40) inches/hour

Manning's Equation for maximum pipe flow capacity, Q cfs = VA = (1.49/n)A(R_h^{2/3})S^{1/2}

SUB-AREA	C	Intensity, I	Area, A	Flow, Q cfs (100-year)
A-1	1	11.63409329	0.29 AC	3.322091017
A-2	1	11.63409329	0.34 AC	3.989519257
A-3	1	11.63409329	0.32 AC	3.729039656
A-4	1	11.63409329	0.27 AC	3.158015332
A-5	1	11.63409329	0.08 AC	0.92207377
1.30 AC				

TRACT												
Area	TO	Area	Q _{max}	d (in)	A	Pipe Type	n	R _h	S	Q _{max}	V	Q _{min} < Q _{max}
A-1	TO	A-2	3.322091017	12 in	0.79 sq. ft	HDPE	0.011	0.25	0.01	4.222 cfs	5.376 ft/s	OK
A-2	TO	A-3	7.311610274	15 in	1.23 sq. ft	HDPE	0.011	0.3125	0.01	7.655 cfs	6.238 ft/s	OK
A-3	TO	A-4	11.04064993	18 in	1.77 sq. ft	HDPE	0.011	0.375	0.01	12.448 cfs	7.044 ft/s	OK
A-4	TO	A-5	14.19866526	24 in	3.14 sq. ft	HDPE	0.011	0.5	0.01	26.808 cfs	8.533 ft/s	OK
A-5	TO	POND	15.12073903	24 in	3.14 sq. ft	HDPE	0.011	0.5	0.01	26.808 cfs	8.533 ft/s	OK

Pipe restrictor flow rate calculation: On-site Detention pond to regional detention facility

Orifice Calculations:

$D = Q^{0.5} / (2.25H^{0.25})$

Flow Line = 79.5 Ft

WSEL = 90 Ft

Q = 0.25 CFS

H = 10.5 Ft

D = 0.12345 FT = 1.5 in Therefore, use a 1.5" restrictor pipe

Detention Summary:

	sq in	sq ft	acres
Total area tract A =	12407904	86166.00 sq. ft	1.98 AC

PERVIOUS AREA CALCULATION			
Green Area 1 =	981792	6818.00 sq. ft	0.16 AC
Green Area 2 =	590400	4100.00 sq. ft	0.09 AC
Green Area 3 =	917710	6372.9859	0.15 AC
Total pervious area =			0.40 AC

IMPERVIOUS AREA CALCULATION			
Area added =	9897439	68732.22 sq. ft	1.58 AC
Total impervious area =		68732.22 sq. ft	1.58 AC

% impervious = 79.8 %

Detention required = 0.9 ac-ft/ft

Total detention pond volume required (100 year storm frequency) = [43,560 x (0.90 x A_{total})] = 77549 cub ft

Pond width = 70.6 ft

Pond length = 155.0 ft

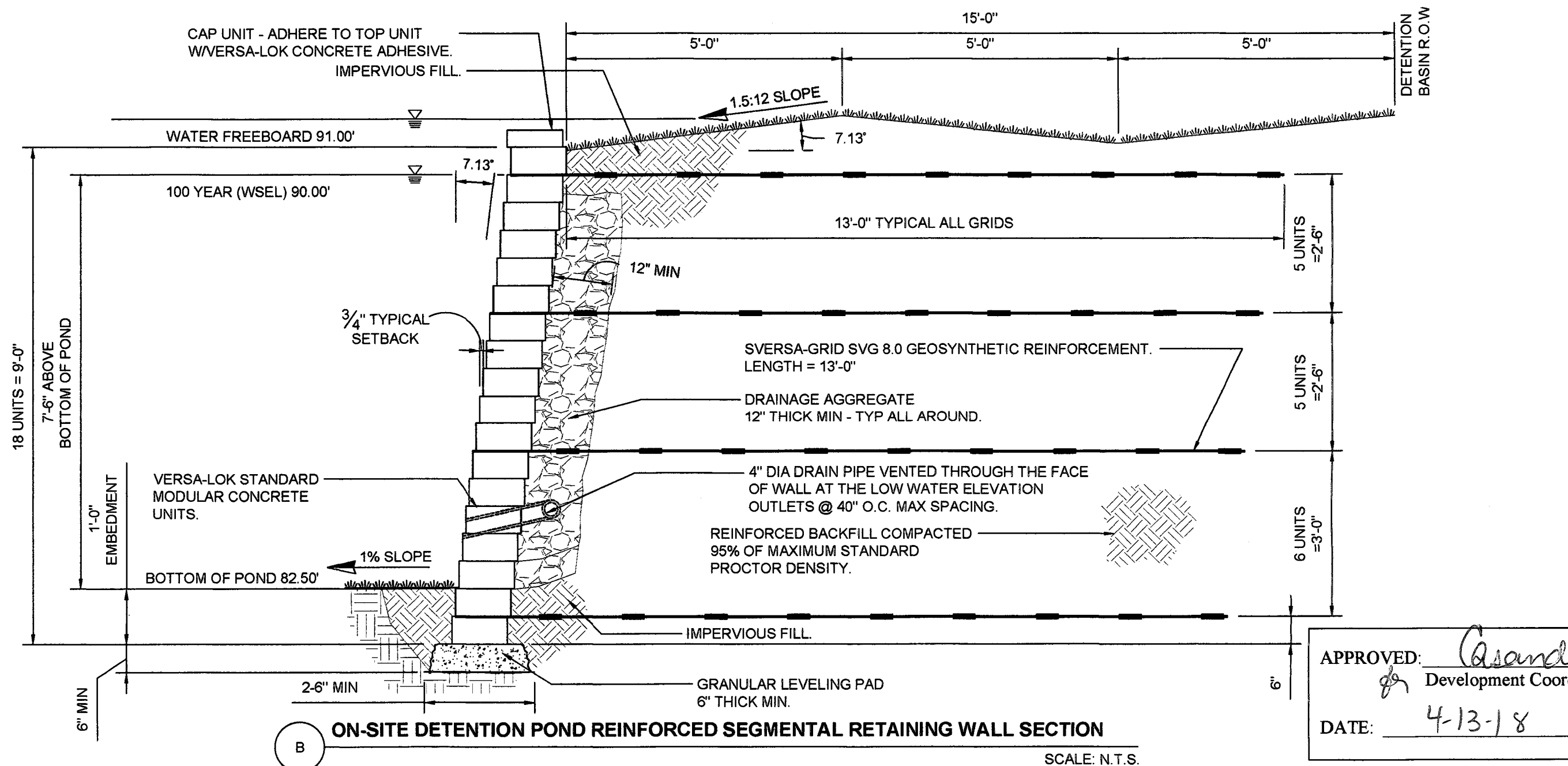
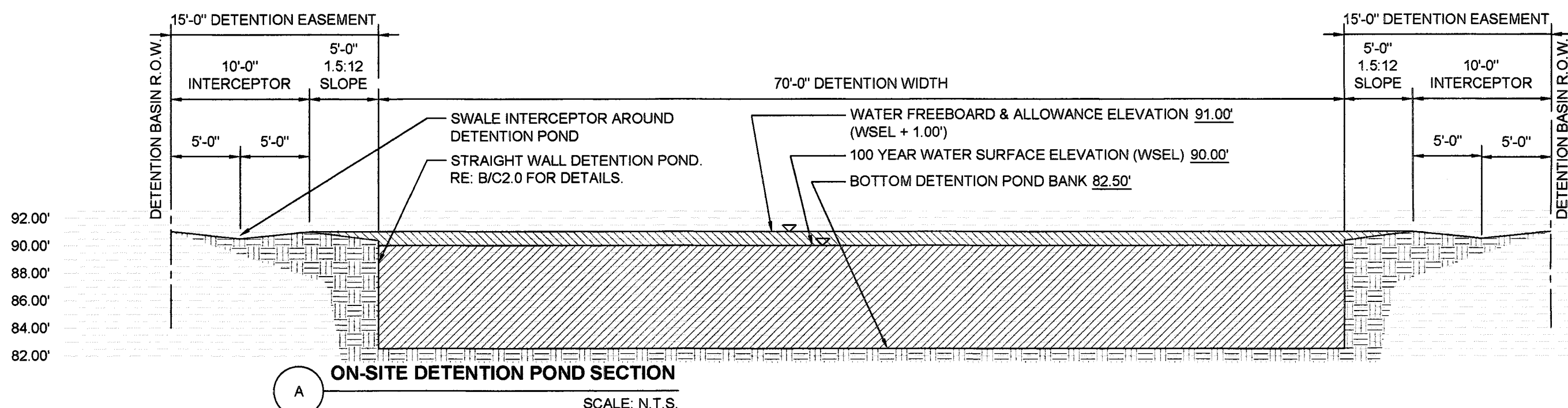
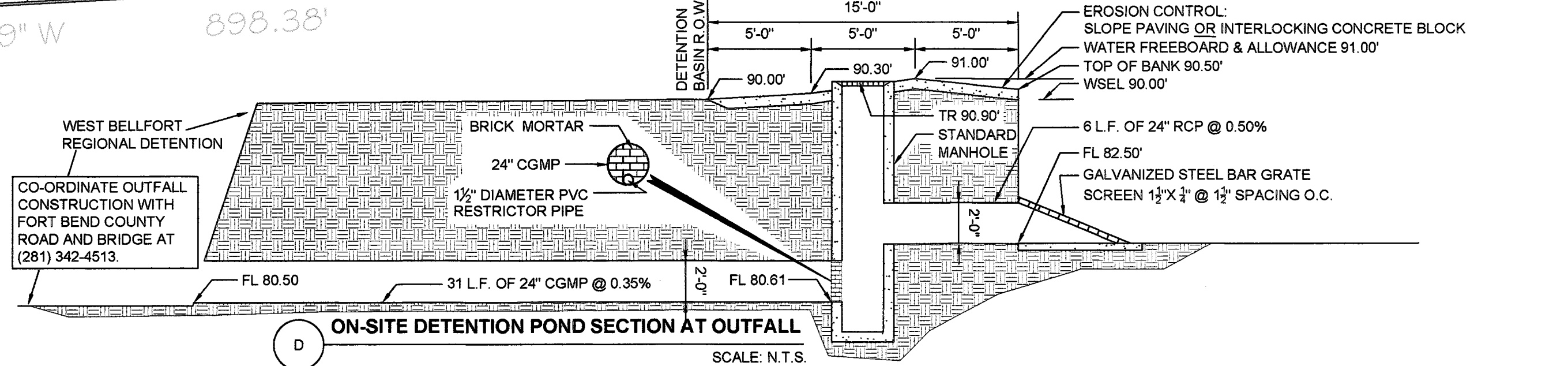
Max depth (100 yr WSEL) 1 = 7.5 ft

Detention pond volume (ramp in) = 81375 cub ft

Ramp volume = 2700 cub ft

Total detention volume (ramp ex) = 78675 cub ft

> 77549 cub ft, Pond provided is greater than required

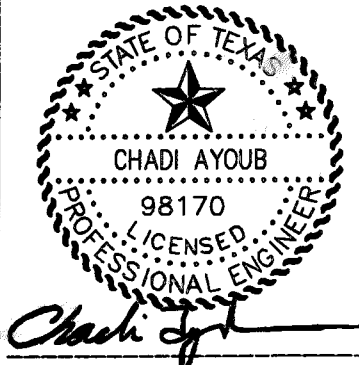


APPROVED: *Asando*
Development Coordinator

DATE: 4-13-18

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C.ENG
LICENSED ENGINEERS
TX FIRM REGISTRATION #:
1-9871



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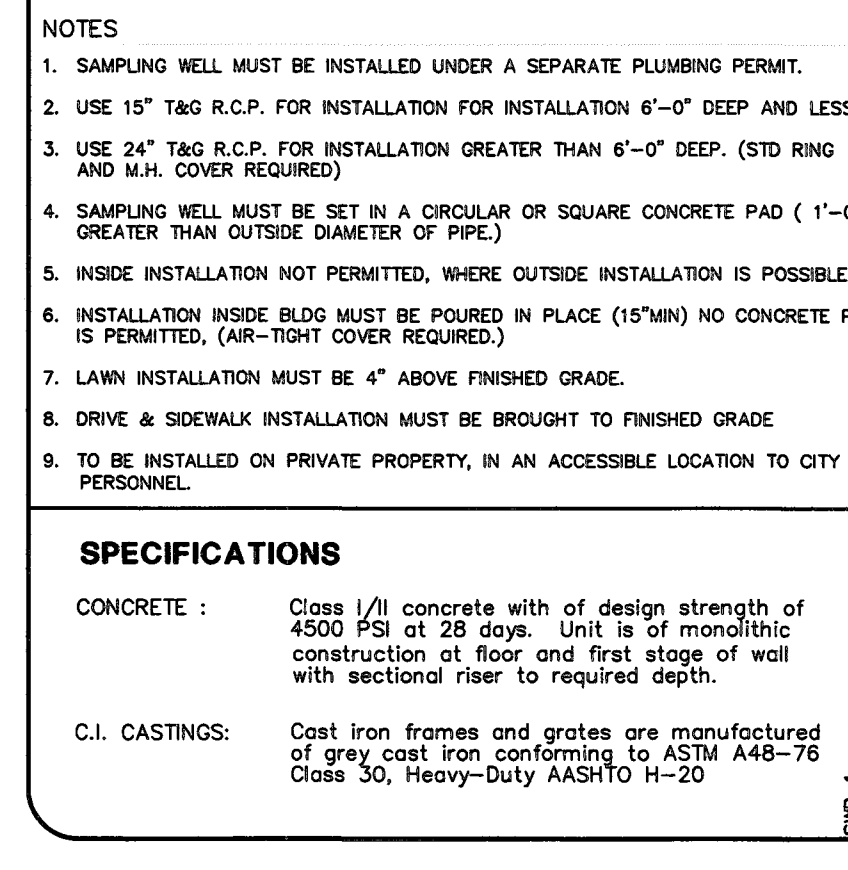
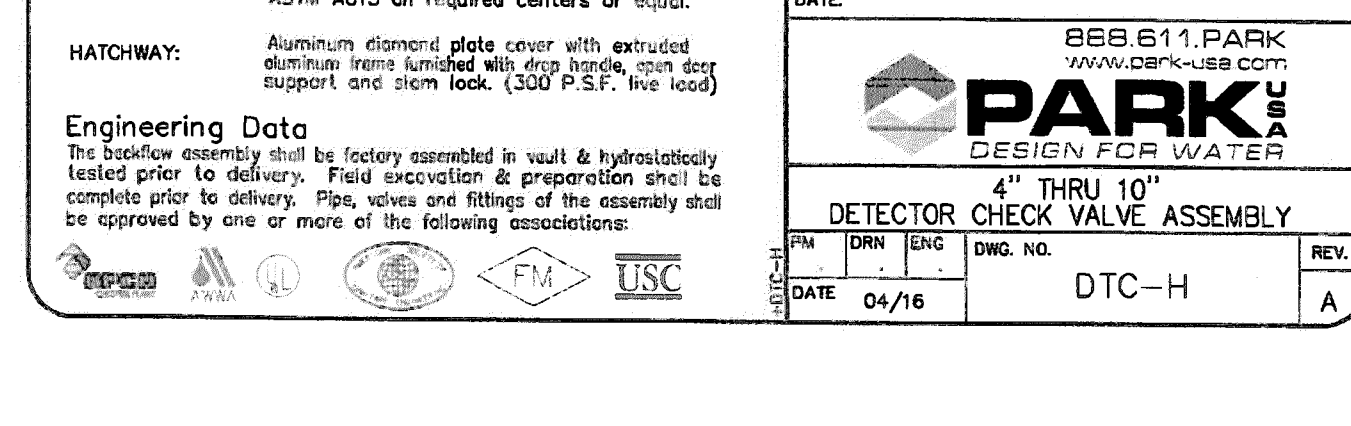
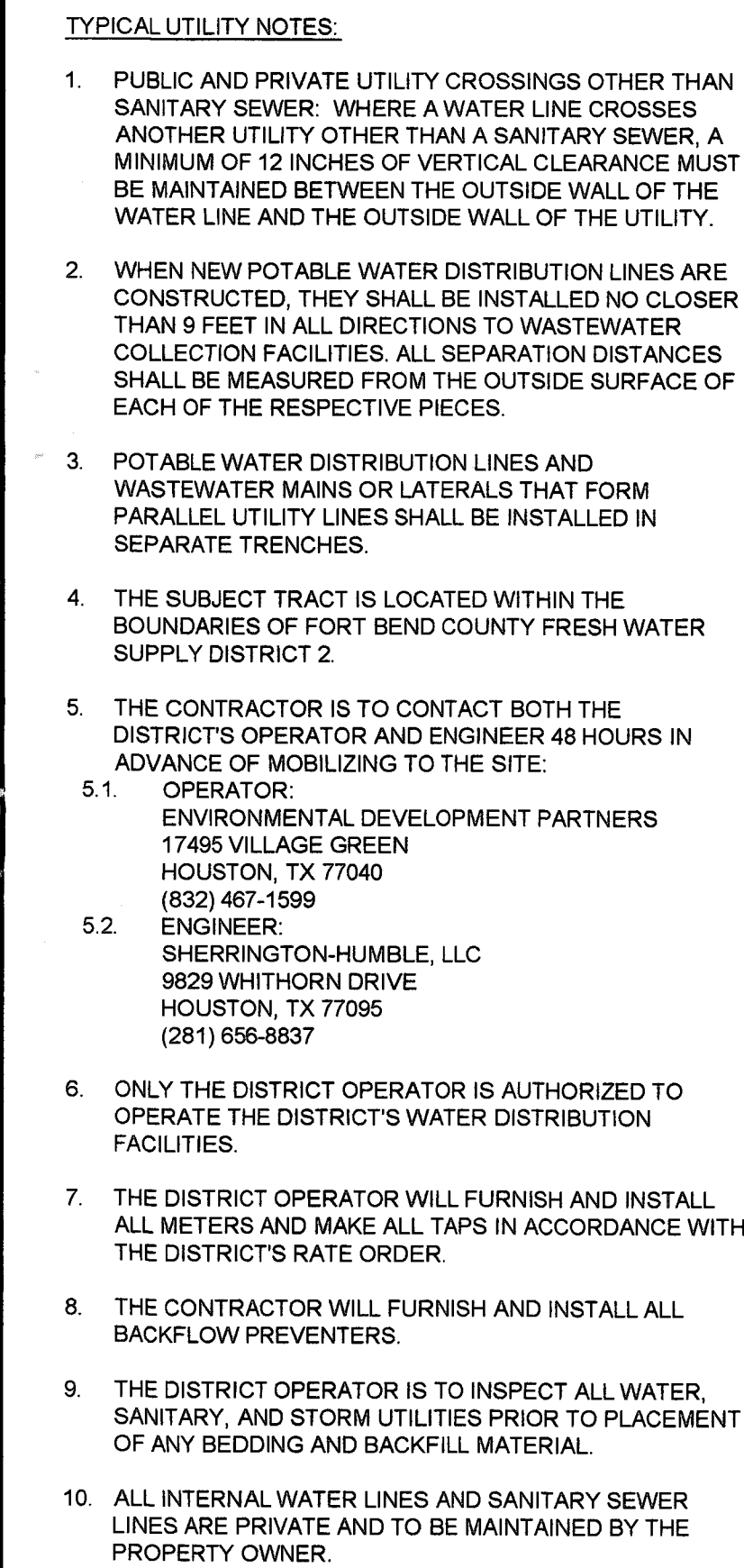
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WAREHOUSE BUILDINGS
15545 WEST BELLFORT BLVD, SUGAR LAND,
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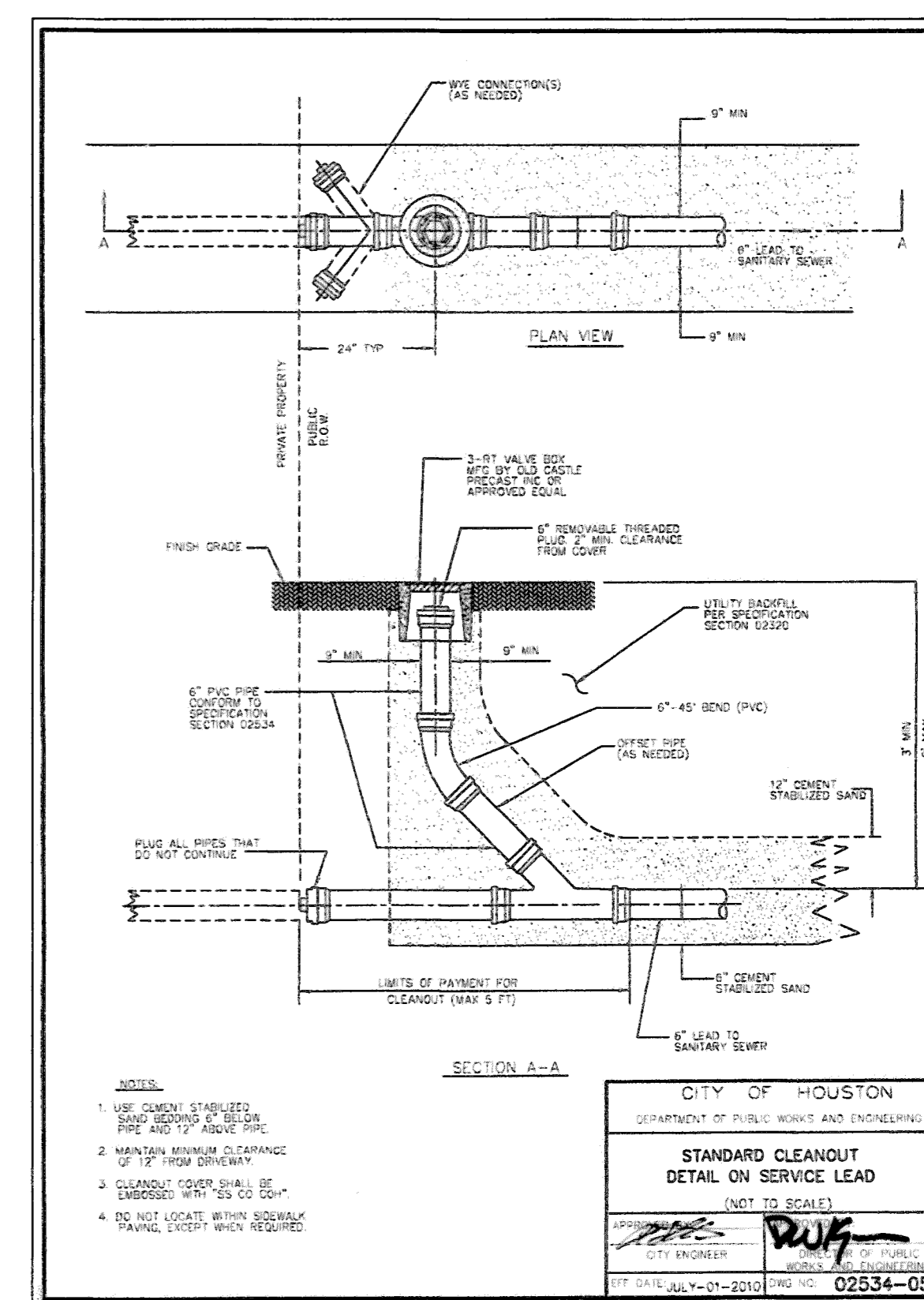
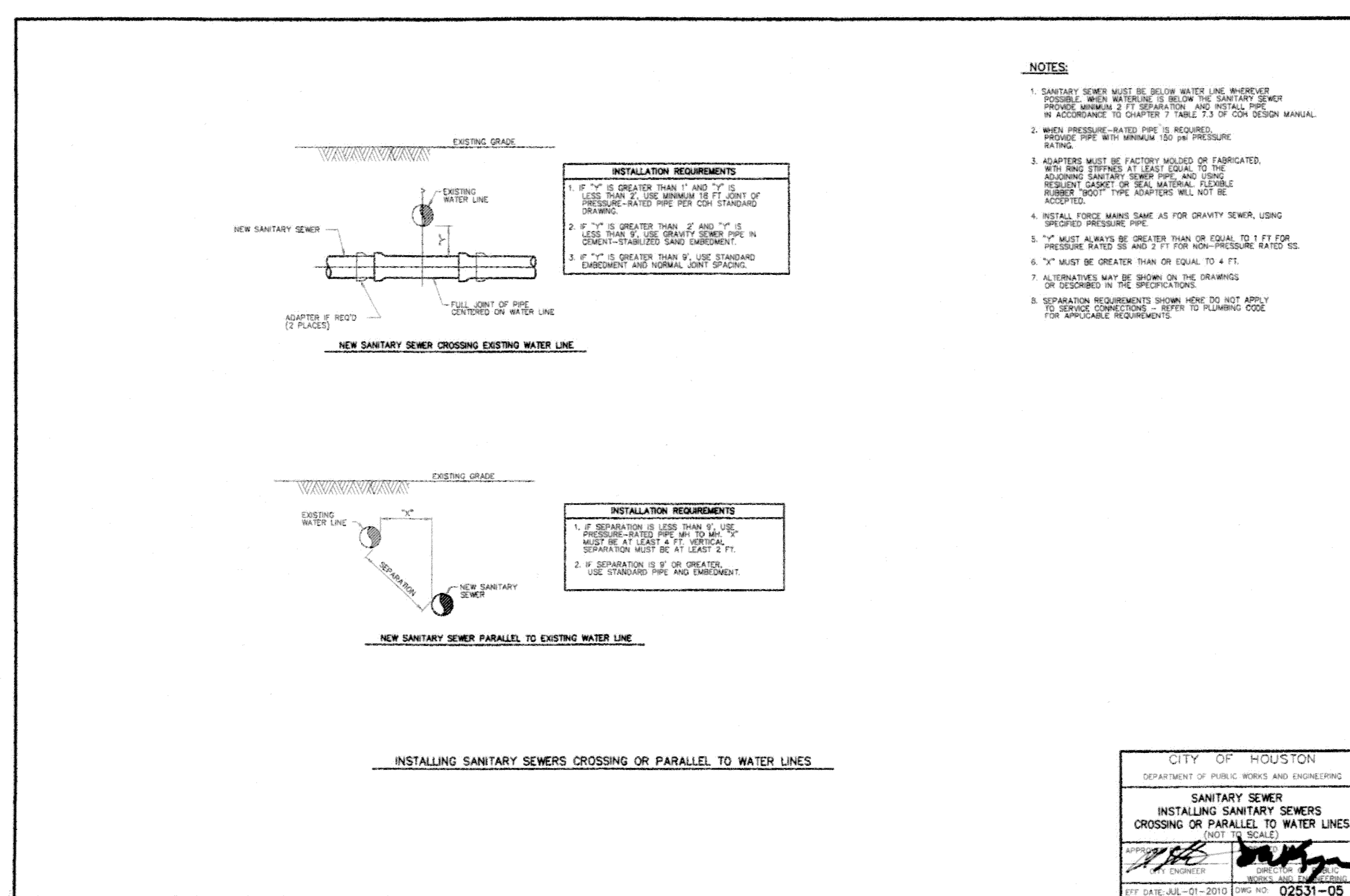
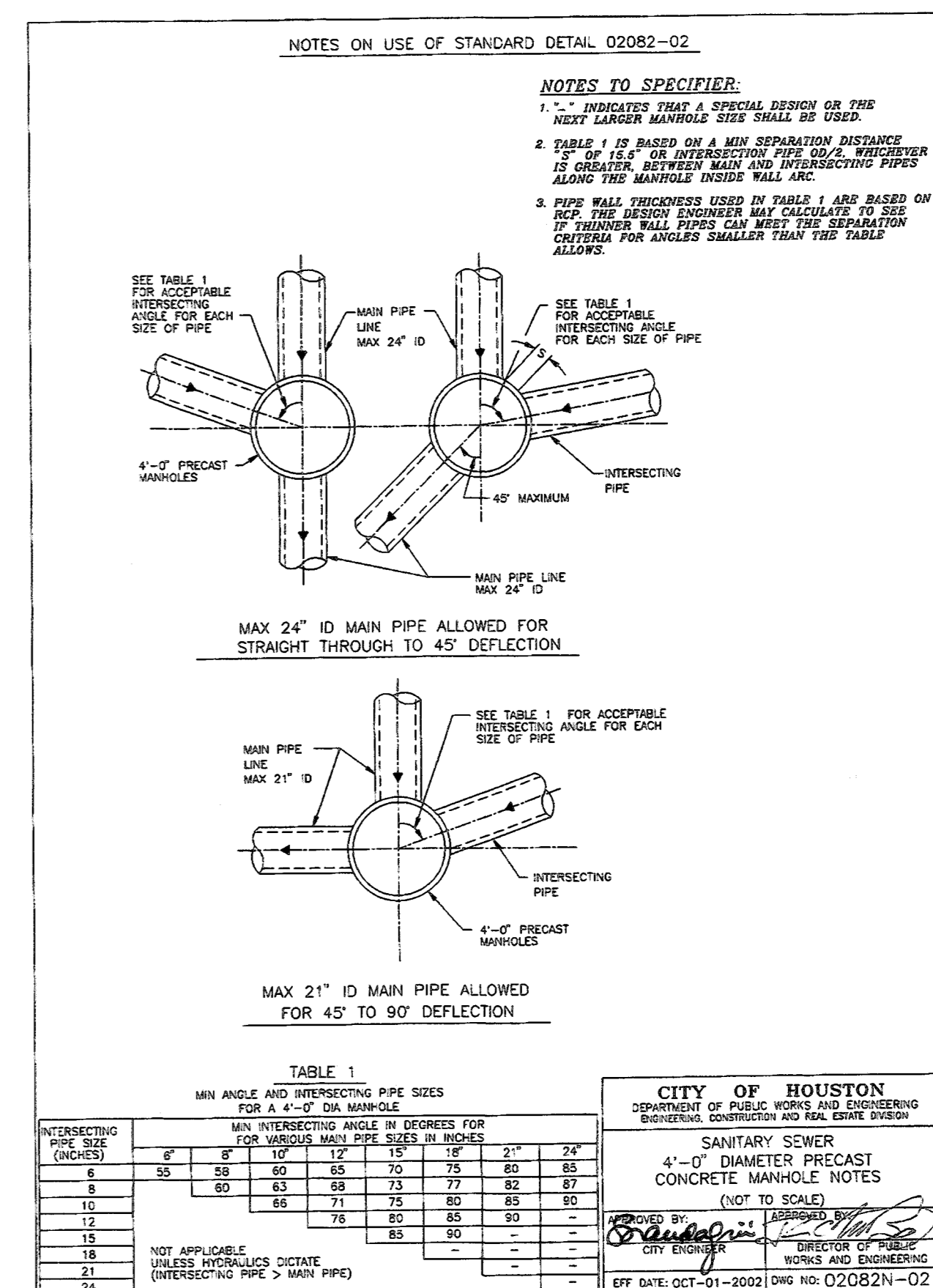
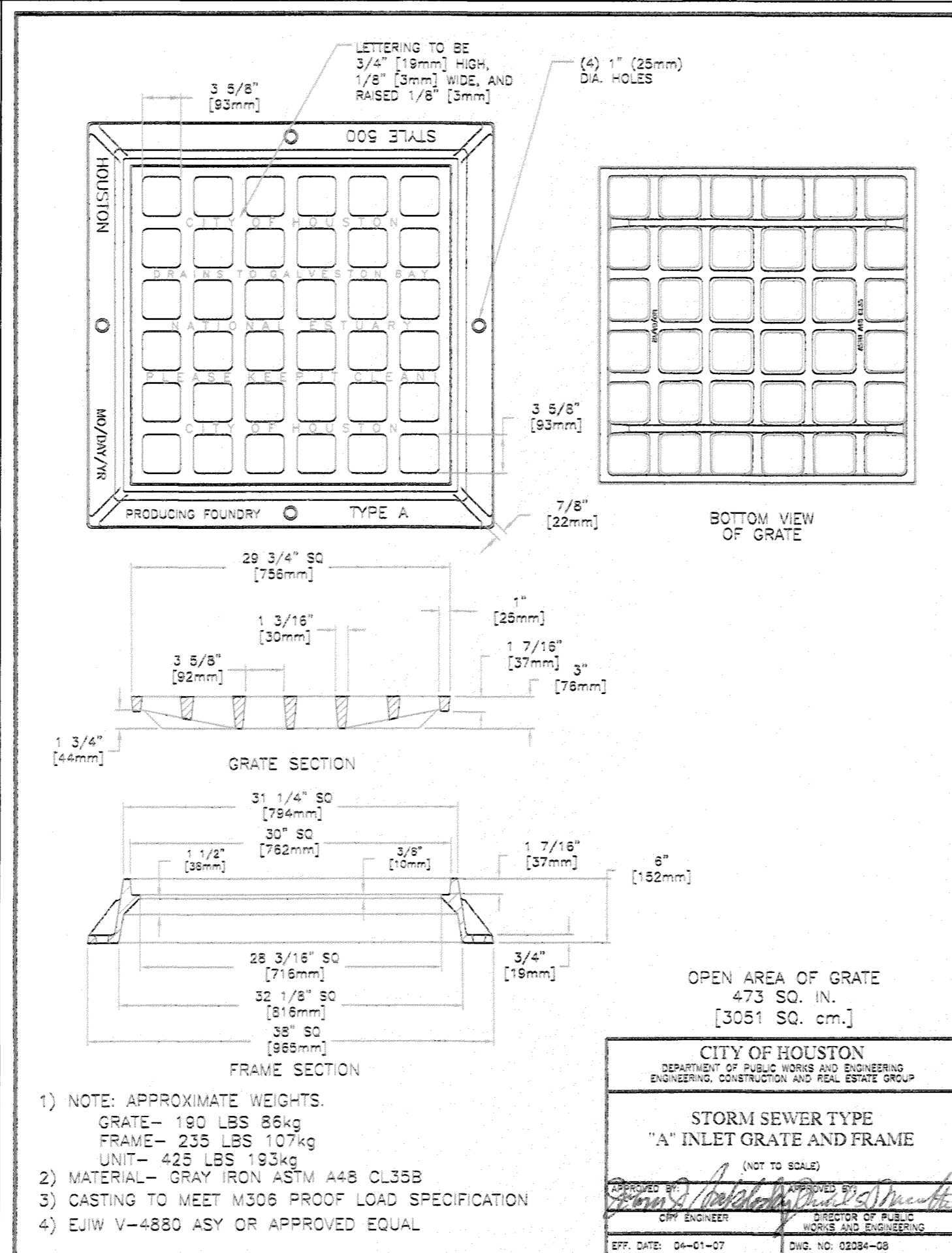
GRADING &
DRAINAGE
PLAN

SHEET NO.:

C2.0



DATE: 4-13-18



APPROVED: Casando
Development Coordinator

DATE: 4-13-18

C. ENG
LICENSED ENGINEERS
TX FIRM REGISTRATION #:
F-9871

A circular professional engineer seal for the State of Texas. The outer ring contains the text "STATE OF TEXAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars on each side. In the center is a five-pointed star. Below the star, the text "CHADI AYOUB" is written, followed by the license number "98170" and the word "LICENSED". A handwritten signature, "Chadi Ayoub", is written across the bottom of the seal.

THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
CHADI AYOUB, P.E. 98170 ON
10/31/2017.

DESCRIPTION

EV	DATE
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MAN WEST BELLFORT
HOUSE BUILDINGS
FORT BLVD, SUGAR LAND,
TX 77498

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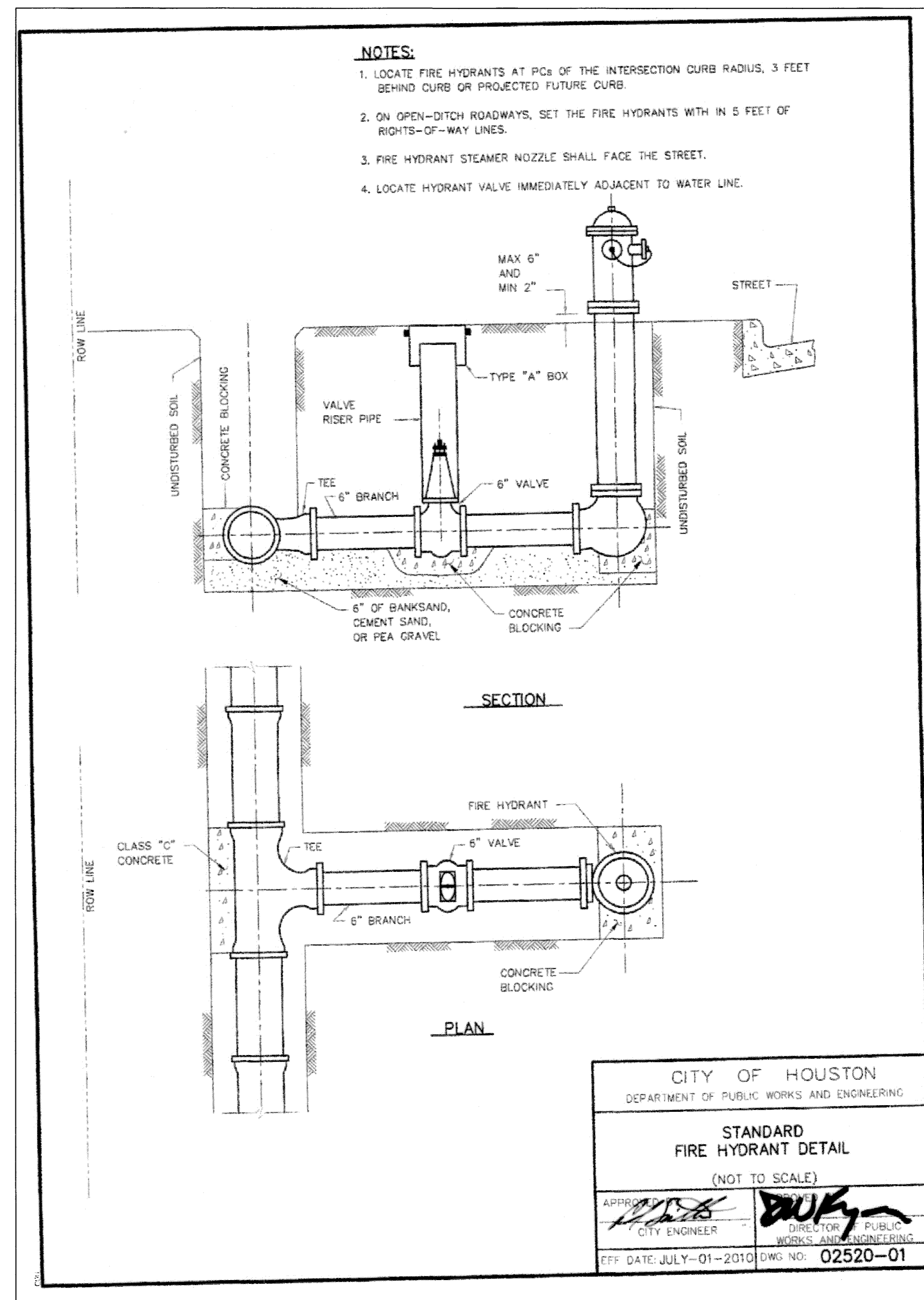
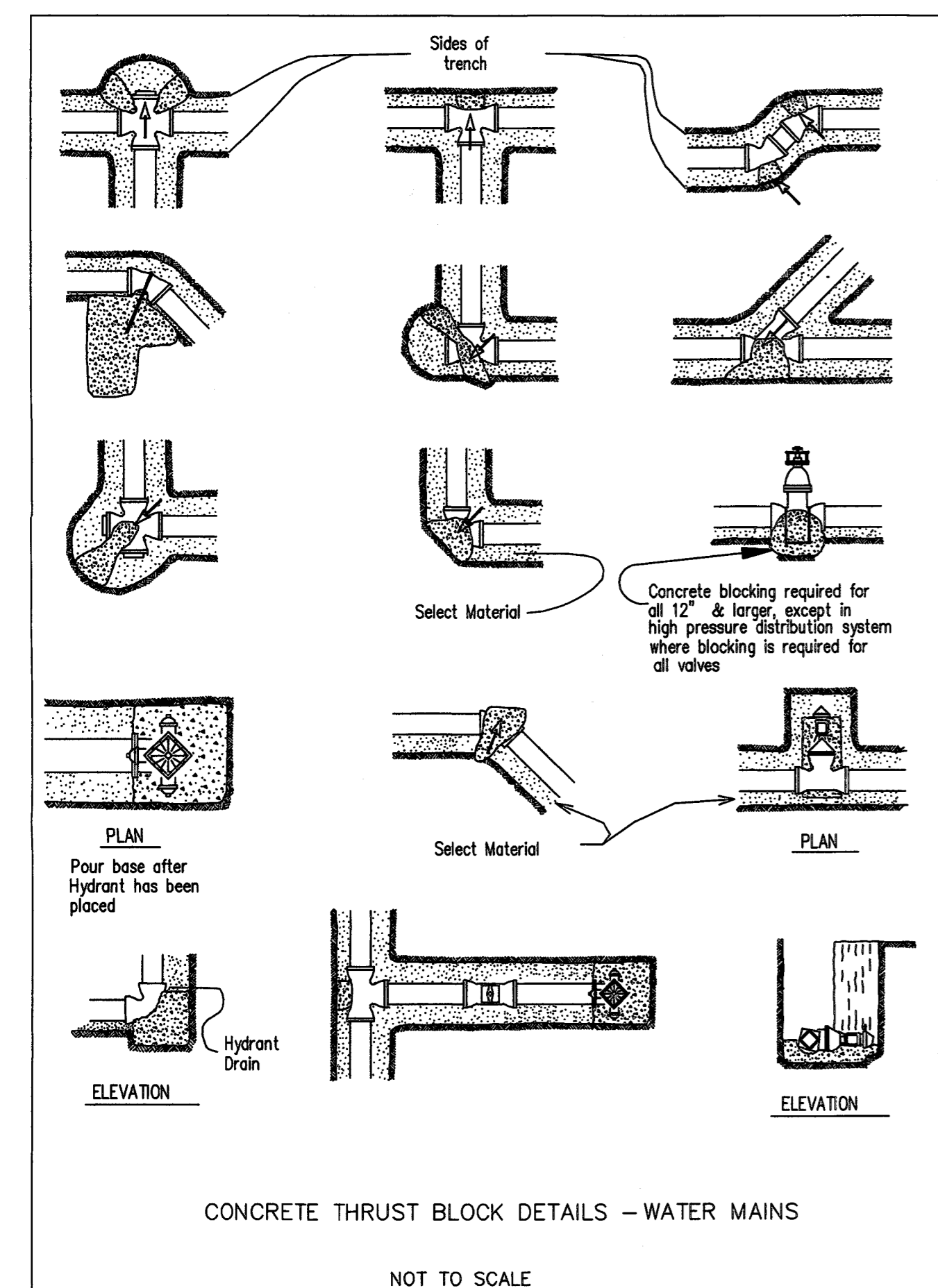
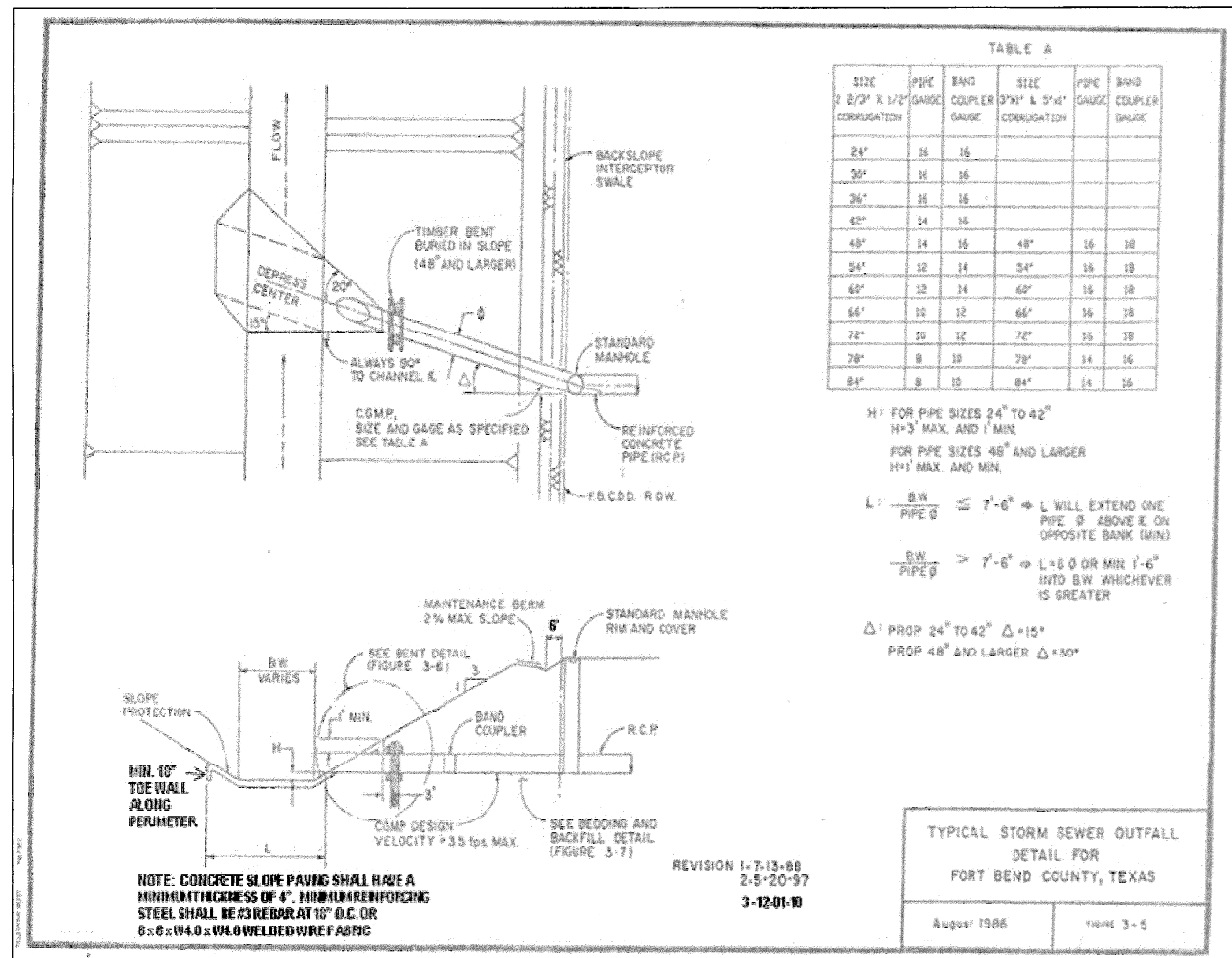
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APPROVED BY: CA

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STORM, SEWER AND WATER LINE DETAILS

SHEET NO.:

C4.0



APPROVED: [Signature]
Development Coordinator

DATE: 4-13-18

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STATE OF TEXAS
CHADI AYUB
98170
LICENSED PROFESSIONAL ENGINEER

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DESCRIPTION

DATE

REV

HAIDER ZAMAN WEST BELFORT
WAREHOUSE BUILDINGS

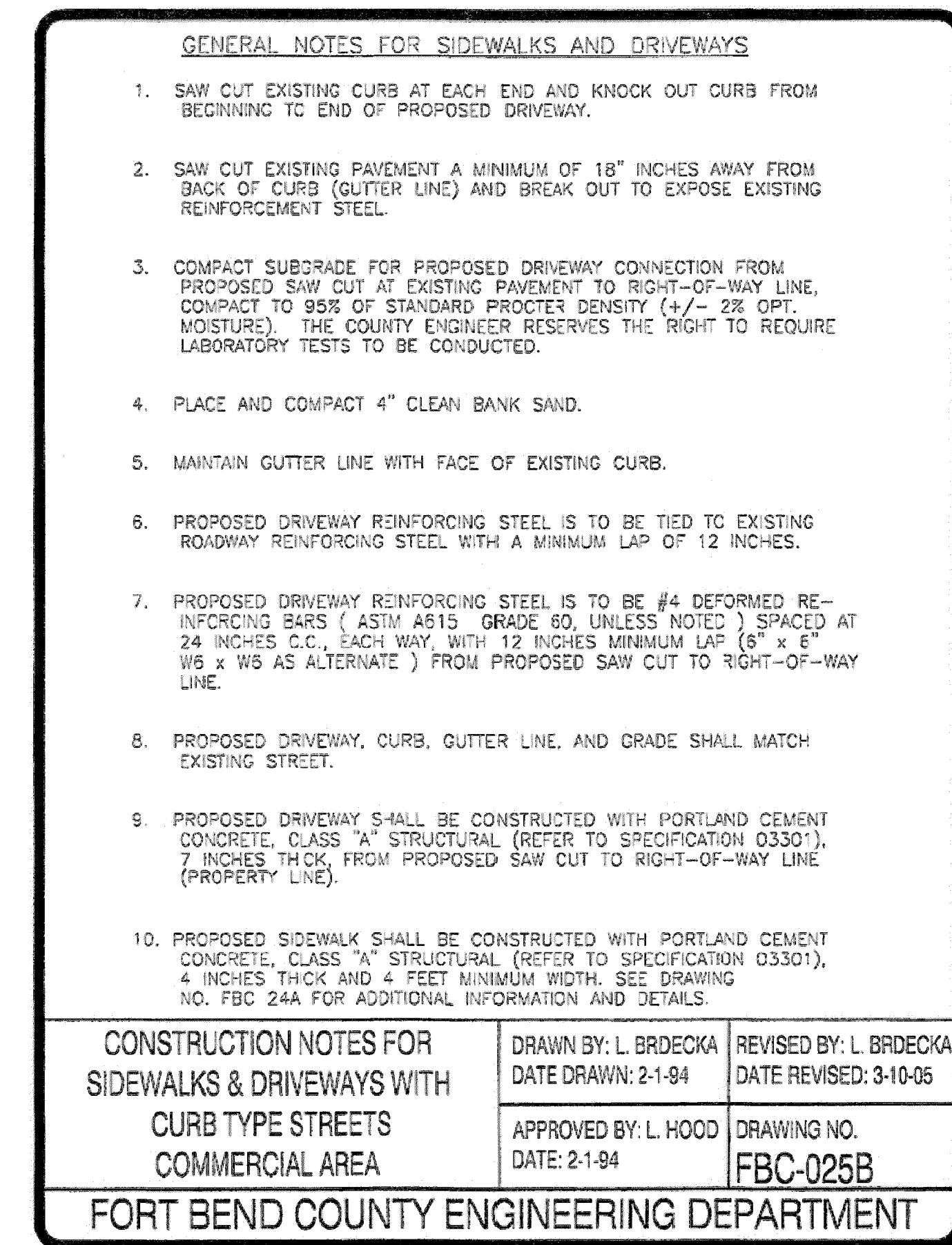
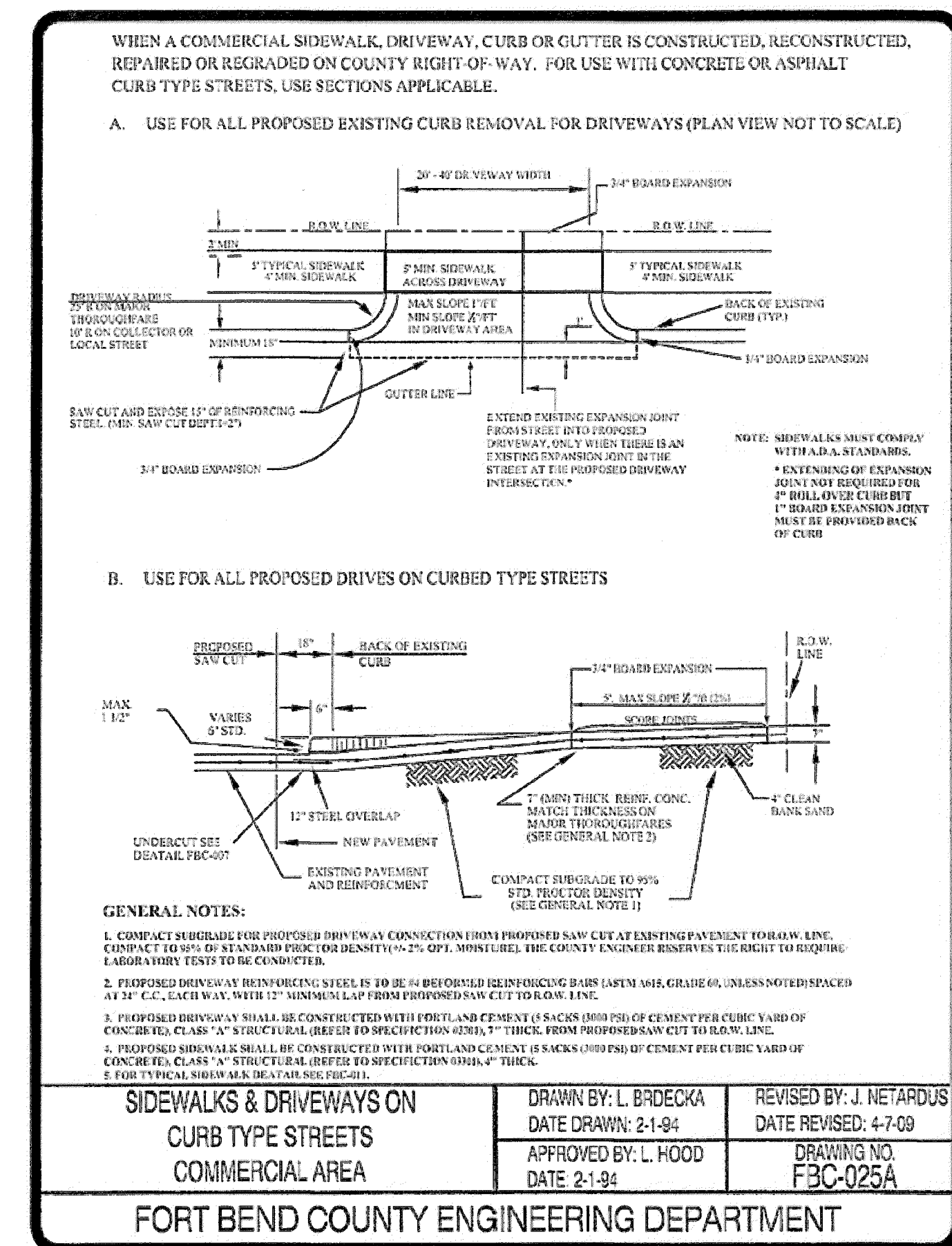
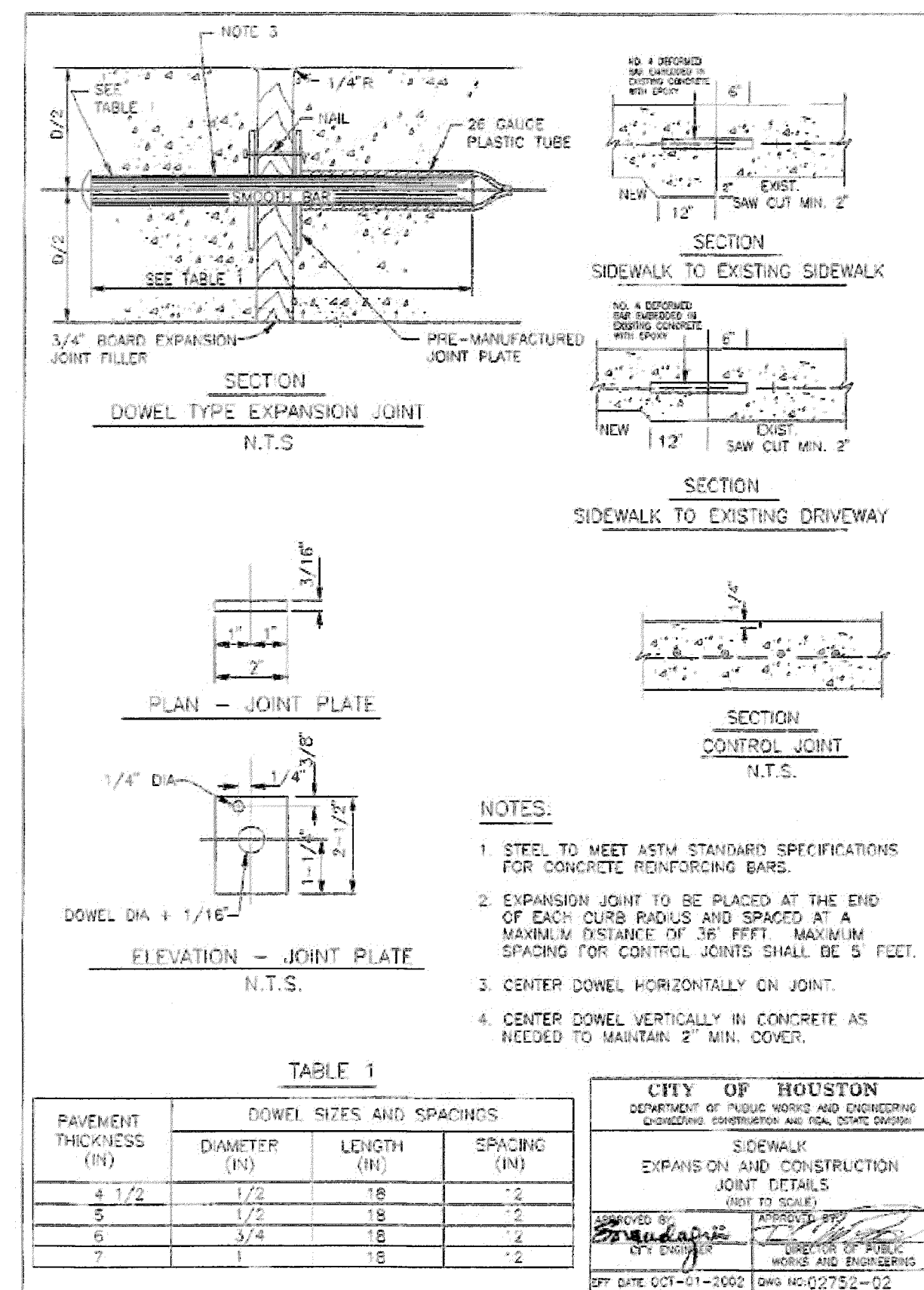
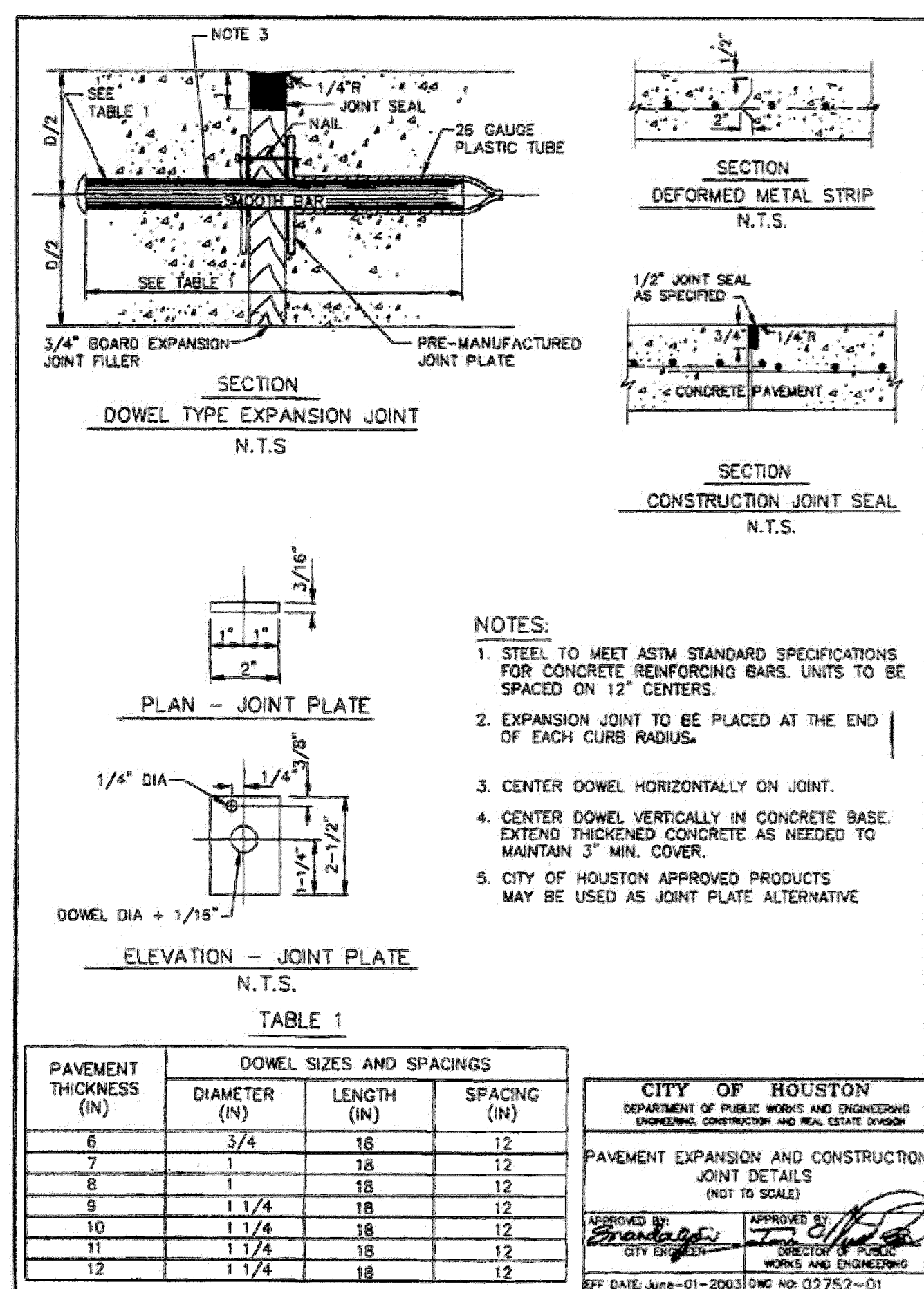
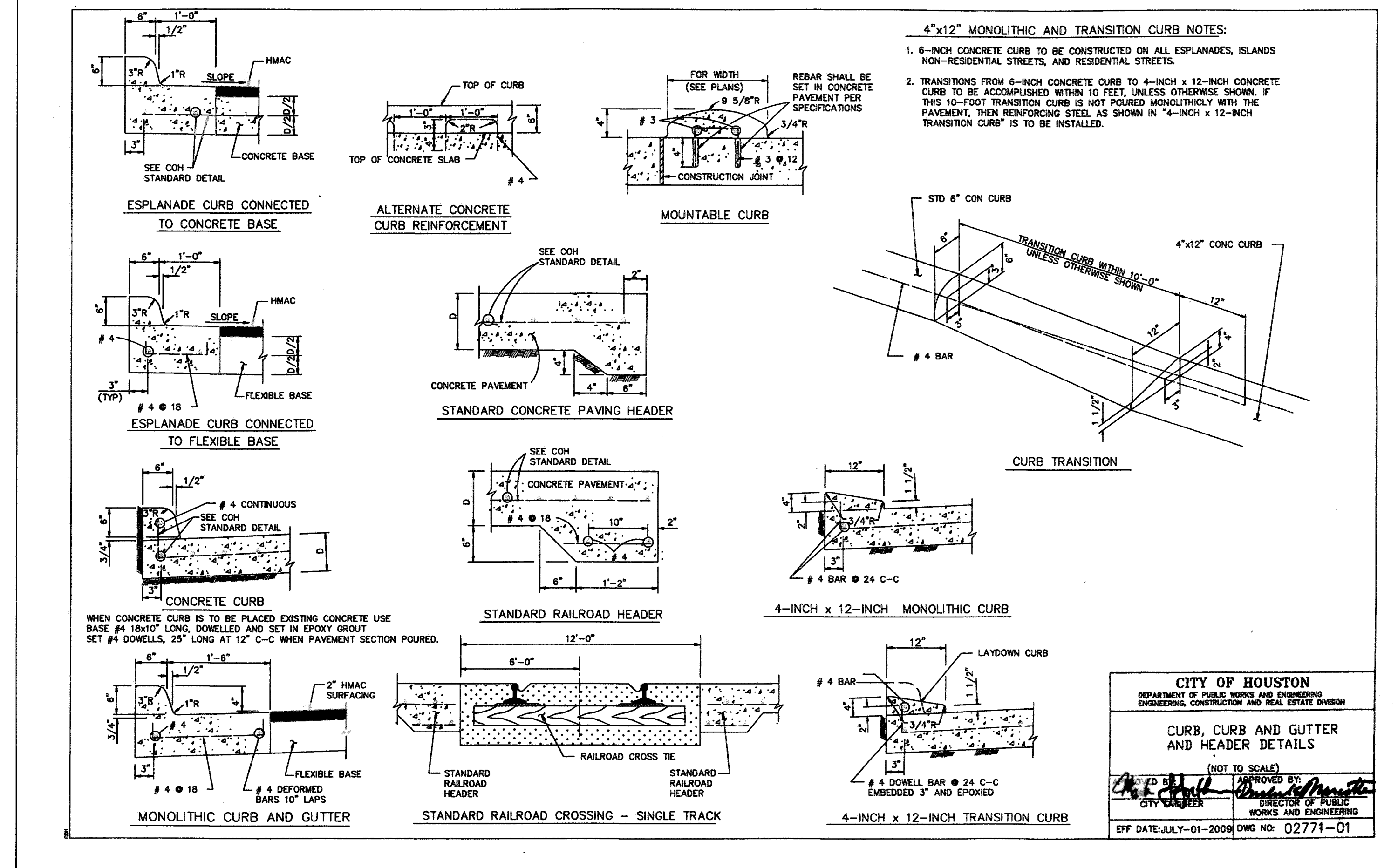
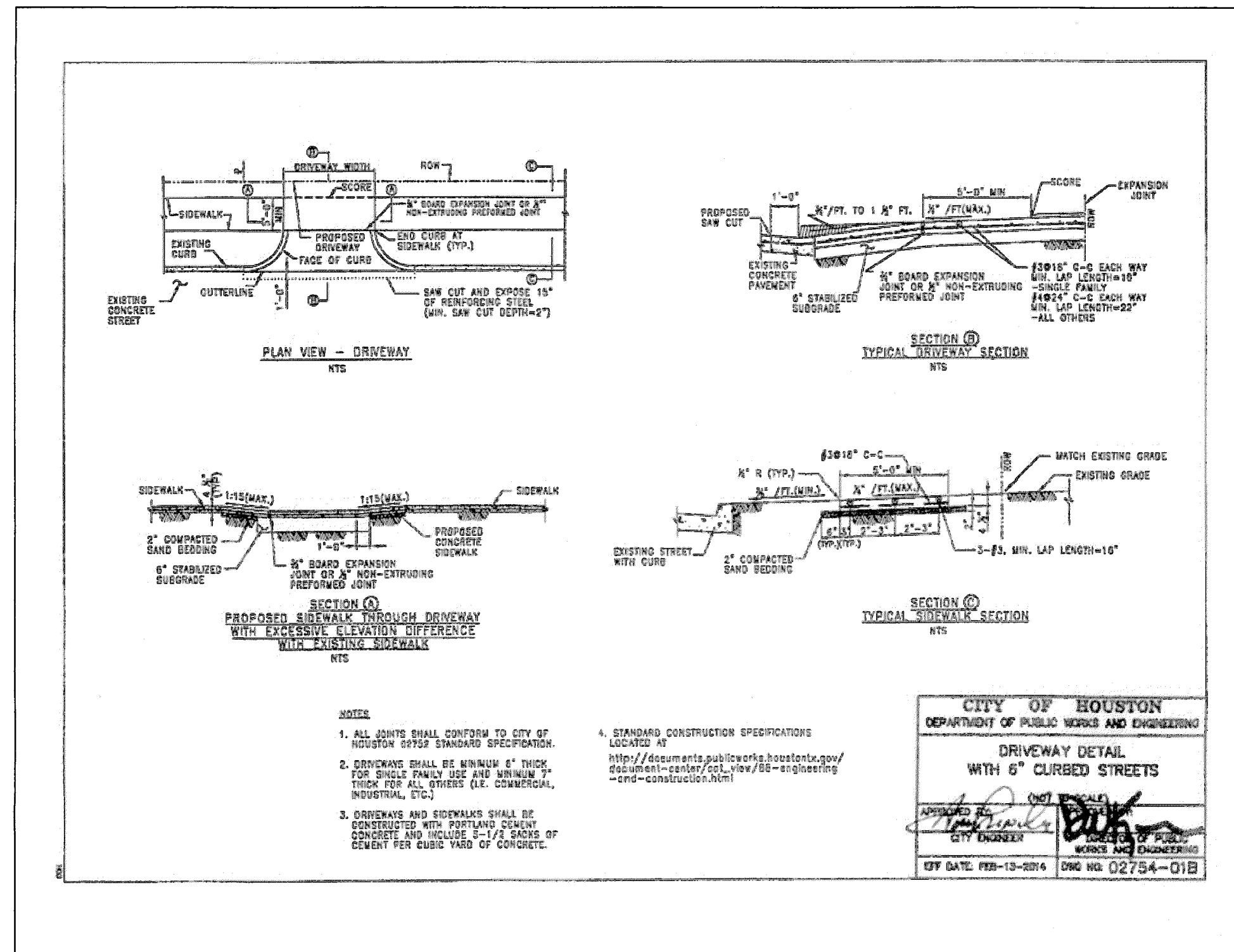
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STORM,
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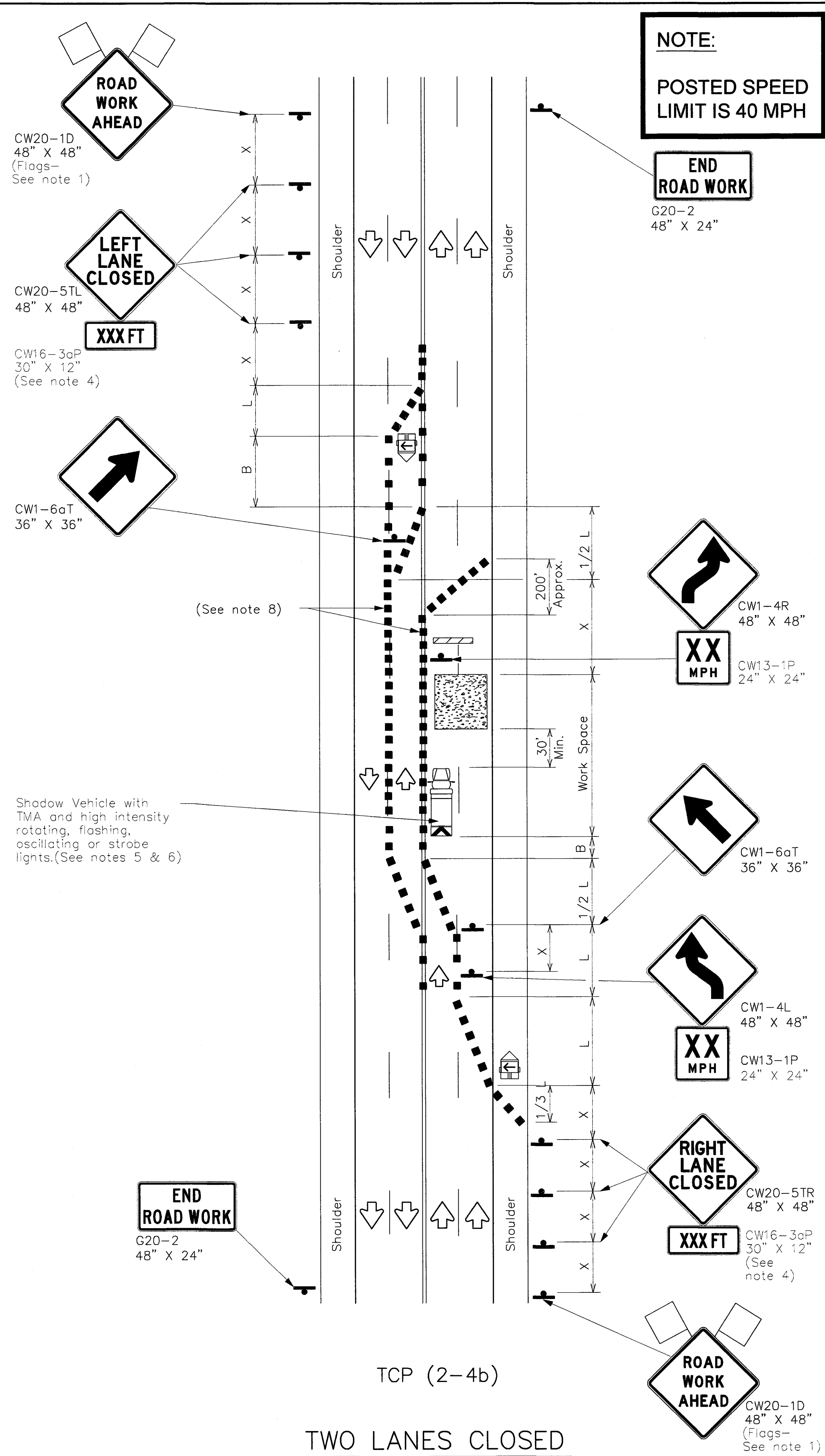
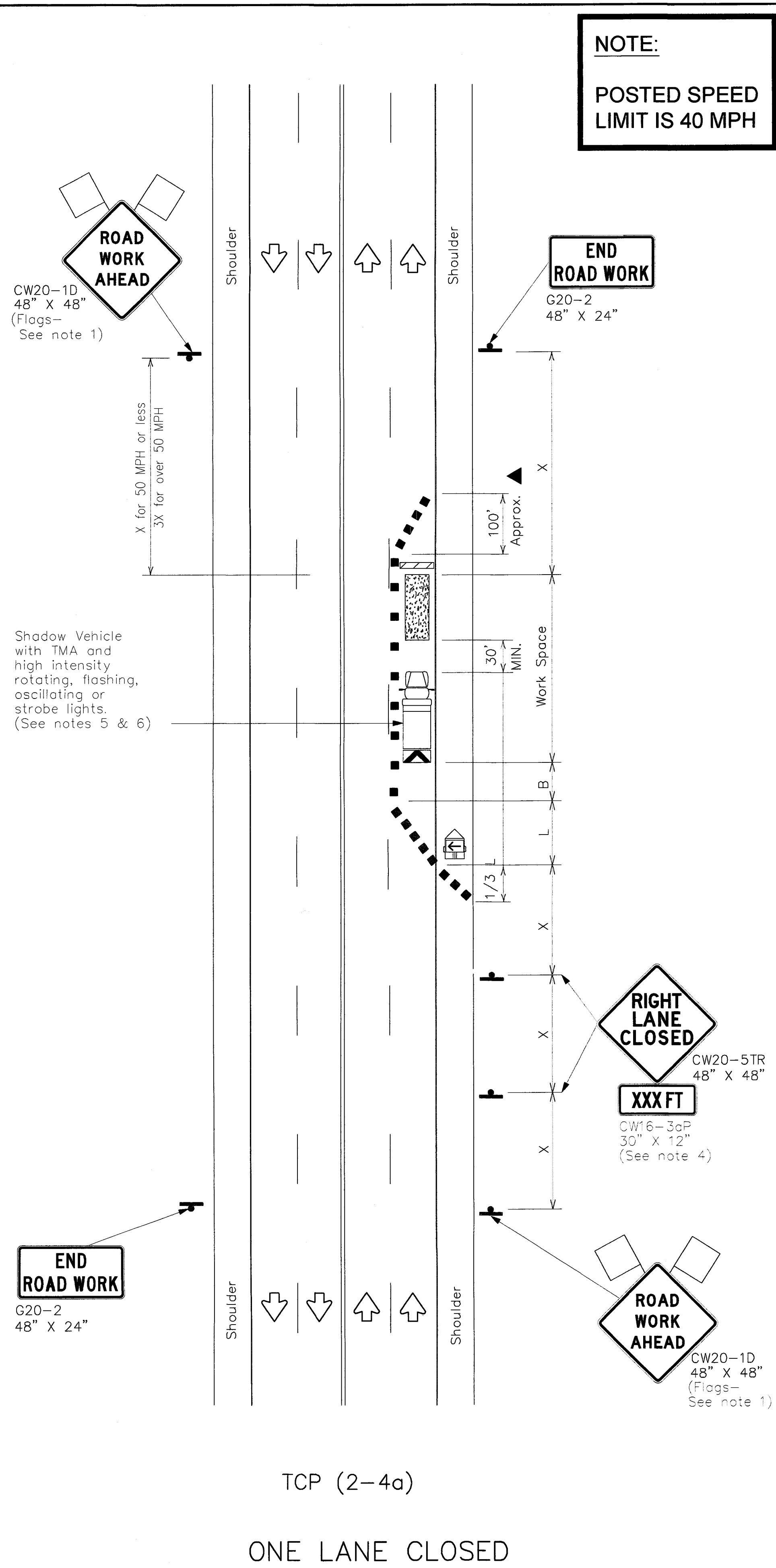
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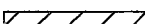

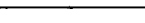







C4.1



DISCLAIMER:

DATE: _____
FILE: _____



LEGEND		
	Type 3 Barricade	 Channelizing Devices
	Heavy Work Vehicle	 Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	 Portable Changeable Message Sign (PCMS)
	Sign	 Traffic Flow
	Flag	 Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths * *			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "x" Distance	Suggested Longitudinal Buffer Space "b"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
		30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'
35	205'	225'		245'	35'	70'	160'	120'
40	265'	295'		320'	40'	80'	240'	155'
45	L=WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

* Conventional Roads Only

** Taper lengths have been rounded off.

L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
		✓	✓	

GENERAL NOTES

1. Flags attached to signs were shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The downstream taper is optional. When used, it should be 100 feet minimum length per lane.
4. For short term applications, when post mounted signs are not used, the distance legend may be shown on the sign face rather than on a CW16-3aP supplemental plaque.
5. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
6. Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

TCP (2-4a)

7. If this TCP is used for a left lane closure, CW20-STL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to protect the work space from opposing traffic with the arrow board placed in the closed lane near the end of the merging taper.

TCP (2-4b)

8. For shorter durations where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at $1/2(S)$ where S is the speed in mph. This tighter devices spacing is intended for the area of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.



Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

TCP(2-4)-12

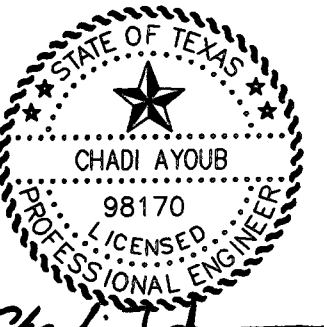
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REVISONS		CONT	SECT	JOB	HIGHWAY
8-95	2-12				
1-97					
4-98		DIST	COUNTY		SHEET NO.
3-03					
164					

APPROVED: Casimiro

DATE: 4-13-18

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHADI AYOUB, P.E. 98170 ON 10/31/2017.

NOT FINISHED

DATE	NO.

**HAIDER ZAMAN WEST BELLFORD
WAREHOUSE BUILDINGS**

FOKI BLVD, SUGAR LAND,
TX 77498

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TRAFFIC

APPROVED

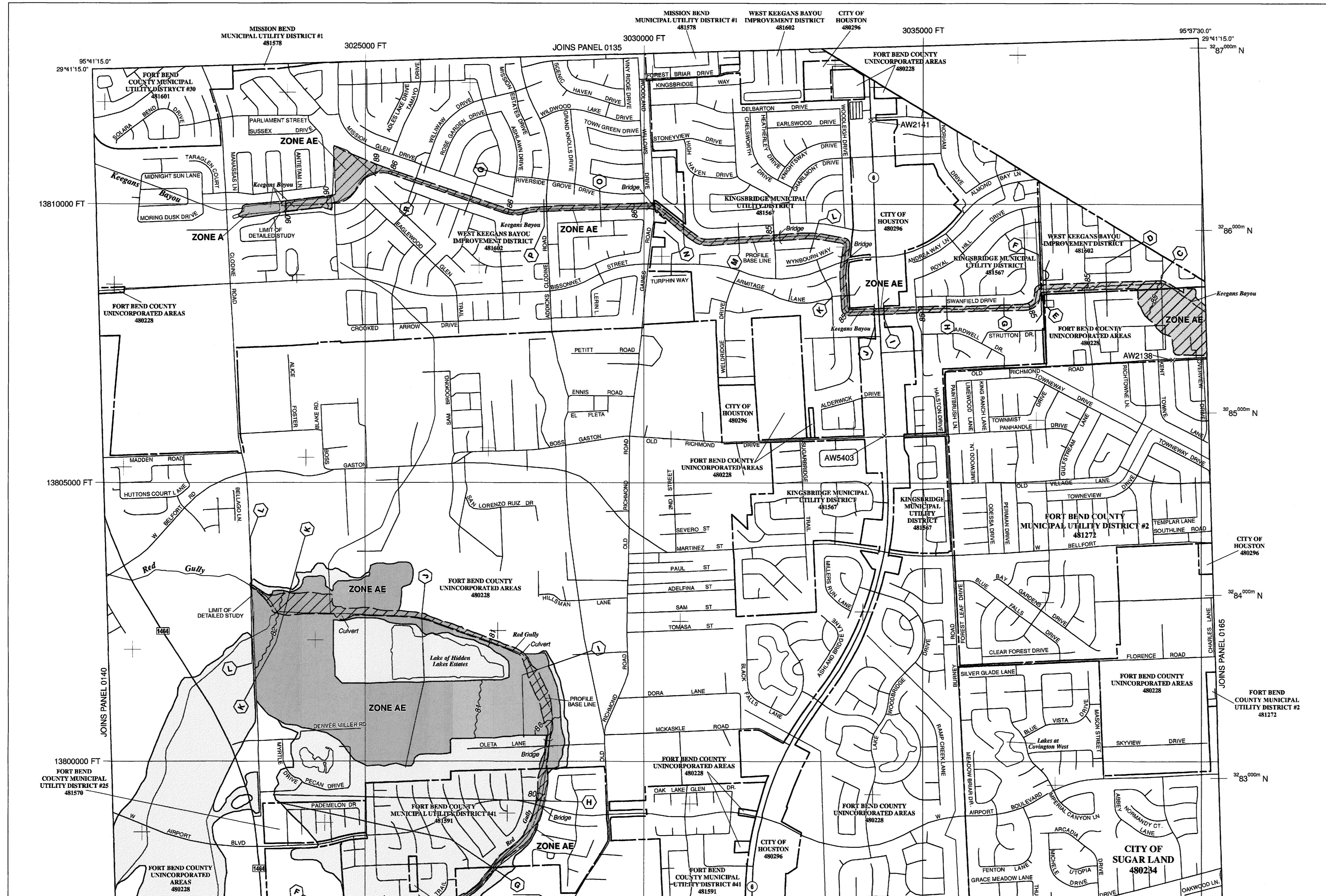
PLAN (TCP2-4)

SHEET NO.:

015

C45

C4.3



MAP SCALE 1" = 1000'

500 0 1000 2000 FEET

300 0 300 600 METERS

PANEL 0145L

FIRM

FLOOD INSURANCE RATE MAP

FORT BEND COUNTY, TEXAS

AND INCORPORATED AREAS

PANEL 145 OF 575

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
FORT BEND COUNTY	480228	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #2	481272	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #26	481570	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #26	481601	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #26	481591	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #41	480296	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #41	481567	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #41	481579	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #41	480234	0145	L
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT #41	481602	0145	L

MAP NUMBER
48157C0145L

MAP REVISED
APRIL 2, 2014

Federal Emergency Management Agency

THIS IS AN OFFICIAL COPY OF THE ABOVE REFERENCED FLOOD MAP. IT WAS EXTRACTED USING F-MIT ON-LINE. THIS MAP DOES NOT REFLECT ANY AMENDMENTS OR CHANGES THAT MAY HAVE BEEN IMPLEMENTED SUBSEQUENT TO THE FOLLOWING DATE: JANUARY 22, 2016. FOR THE LATEST PRODUCT INFORMATION ABOUT THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD MAPS, PLEASE CHECK THE FEMA FLOOD MAP SERVICE CENTER WEBSITE AT WWW.MSC.FEMA.GOV.

1 FIRM MAP 48157C0145L
Scale: 1" = 1000'-0"

APPROVED: *Asando*
Development Coordinator
DATE: 4-13-18

C.ENG. FILE #: C17-575

DETAILED BY: CA

DESIGNED BY: CA

CHECKED BY: CA

APPROVED BY: CA

PAGE TITLE:

FIRM MAP

48157C0145L

SCALE:

1"=1000'-0"

SHEET NO.:

C5.0

HAIDER ZAMAN WEST BELFORT WAREHOUSE BUILDINGS

15545 WEST BELFORT BLVD, SUGAR LAND, TX 77498

C.ENG. ENGINEERS
LICENSED ENGINEERS
TX FIRM REGISTRATION #: 19821

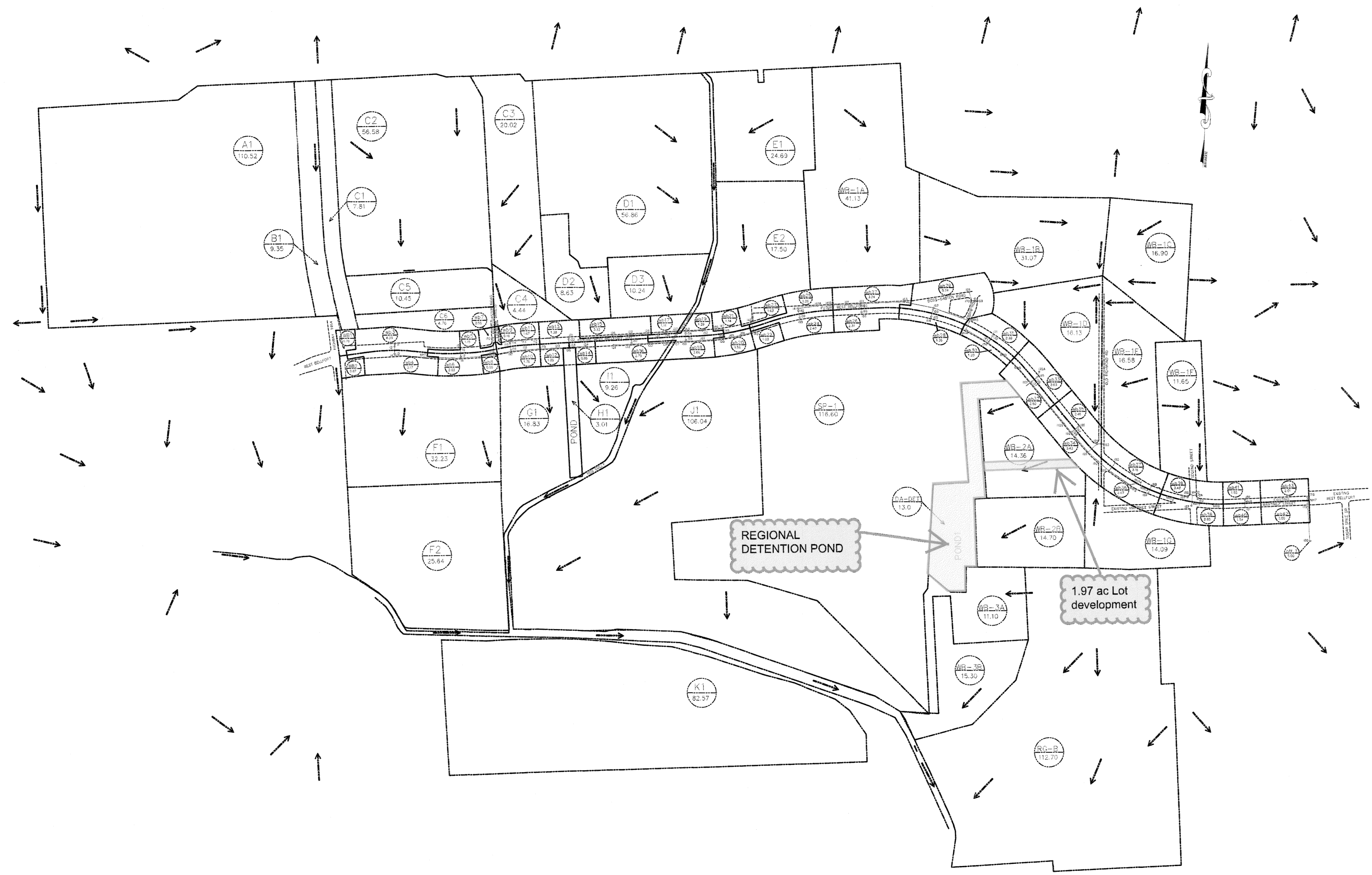
CHADI AYOUB
98170
LICENSED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHADI AYOUB, P.E. 98170 ON 10/31/2017.

12440 OXFORD PARK
DR. SUITE B-03
HOUSTON, TX 77062
Tel: 281.584.0800
Fax: 281.584.0801
info@ceeng.com
www.ceeng.com

Plot date: 10/20/08 at 10:14 AM

PORTIONS OF THIS DRAWING MAY NOT BE TO SCALE. THEREFORE, THIS DRAWING SHALL NOT BE SCALED



PEI

PROVIDENT ENGINEERS, INC.
505 JULIE RIVERS SUITE 170
SUGAR LAND, TEXAS 77478
281-313-9393

LEGEND

← EXIST. SHEET FLOW

42.200

AREA LABEL

AREA AT INLET IN ACRES

WEST BELFORT PAVING AND DRAINAGE IMPROVEMENTS FROM MARTINEZ STREET TO F.M. 1464

DRAINAGE AREA MAP

Kelly R. Kaluza & Associates, Inc.

CONSULTING ENGINEERS & SURVEYORS

3014 AVENUE I
ROSENBERG, TEXAS 77471
PH. 281.341.0808 FAX. 281.341.6333

RECORD DRAWING

JUNE 28, 2010

MICHAEL V. BROWN

70836

Professional Engineer

SHEET No. 4 of 82

SCALE: HORIZ.: 1" = 500' DRAWN BY:
VERT.: APP. BY:
DATE: 1/29/08 AB./COUNTY: 9/FBC

APPROVED: *[Signature]*
Development Coordinator

DATE: 4/13/18

12440 OXFORD PARK
DR SUITE E-103
HOUSTON, TX 77062
Tel: 281.584.0800
Fax: 281.584.0801
info@cengcon.com
www.cengcon.com

C.ENG

LICENSED ENGINEERS

TX FIRM REGISTRATION #: F-981

STATE OF TEXAS

CHADI AYIOUB

98170

PROFESSIONAL ENGINEER

[Signature]

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHADI AYIOUB, P.E. 98170 ON 10/31/2017.

DESCRIPTION

DATE

REV

HAIDER ZAMAN WEST BELFORT WAREHOUSE BUILDINGS

15545 WEST BELFORT BLVD, SUGAR LAND, TX 77498

C.ENG. FILE #: C17-575

DESIGNED BY: CA

CHECKED BY: CA

APPROVED BY: CA

PAGE TITLE:

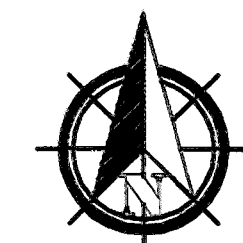
RELEVANT DRAINAGE AREA MAP

SHEET NO.:

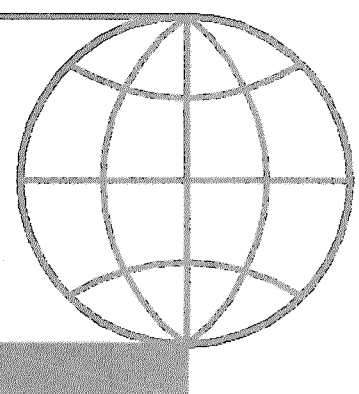
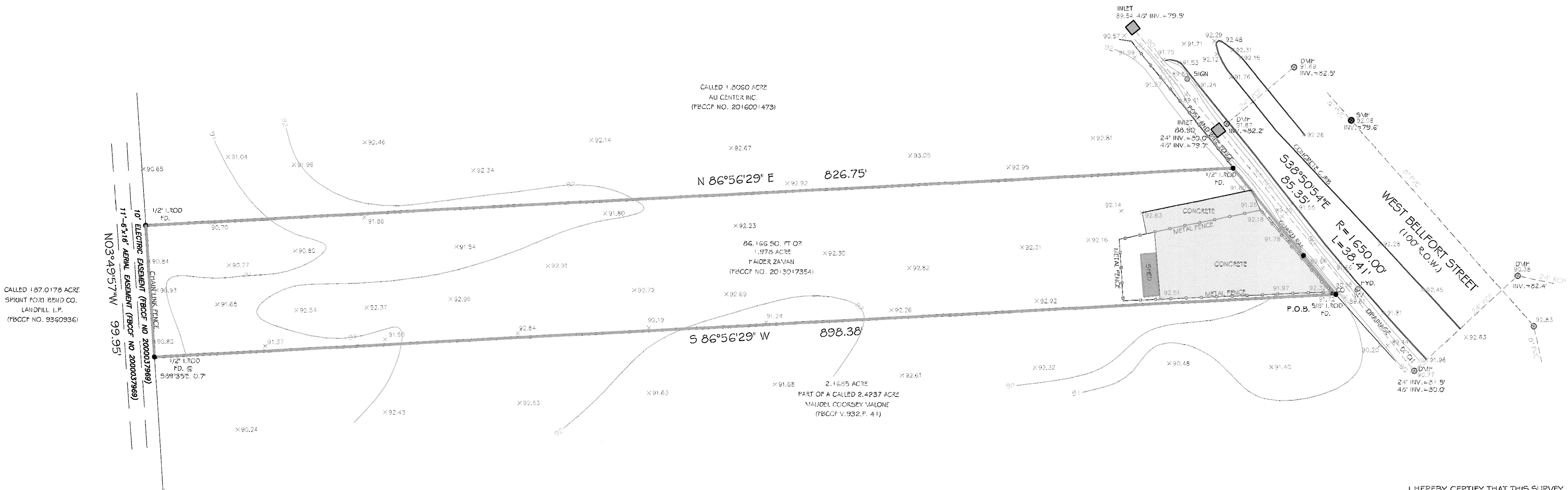
C5.1

ADDRESS : 0 WEST BELLFORT STREET
SUGAR LAND, TX 77498
BUYER : ALI CENTER INC.
TITLE CO. : TEXAS AMERICAN TITLE COMPANY
GF NO. : 7910-17-1428
LENDER : N/A

A TOPOGRAPHIC SURVEY OF A 1.978 ACRE TRACT,
AS RECORDED UNDER FILE NO. 2013017354 F.B.C.C.F.
LOCATED IN JOHN LEVERTON SURVEY,
ABSTRACT 402
FORT BEND COUNTY, TEXAS



SCALE:
1"=80'



PIOTR A. DEBSKI
1030 DOMINION DR.
KATY, TX 77450
832-878-6760
piod@sbcglobal.net

NOTES:

- 1) ALL BEARINGS SHOWN ARE REFERENCED PER GPS OBSERVATIONS.
- 2) ALL THE ELEVATIONS SHOWN HEREON ARE IN NAVD 1988 DATUM, 2001 ADJUSTMENT, AND ARE BASED ON HARRIS COUNTY TSARP RM04055, ELEVATION=88.81'
- 3) THE OPEN DRAINAGE PIPE ELEVATION IS GIVEN ON THE TOP OF PIPE OPENING
- 4) ALL THE CURB ELEVATIONS ARE GIVEN ON THE BOTTOM OF THE CURB 0.5' HIGH.

FLOOD INFORMATION

THIS TRACT DOES NOT LIE WITHIN THE 100 YEAR FLOOD PLAIN AND IS IN 'ZONE X', AS PER F.E.M.A. FLOOD INSURANCE RATE PANEL NO. 48157C0145L, DATED APRIL 02 2014.

I HEREBY CERTIFY THAT THIS SURVEY
HAS BEEN MADE ON THE GROUND
UNDER MY SUPERVISION, AND THAT IT
CORRECTLY REPRESENTS THE FACTS
FOUND AT THE TIME OF THE SURVEY.
THERE WERE NO ENCROACHMENTS
APPARENT ON THE GROUND EXCEPT AS
SHOWN HEREON.



PIOTR A. DEBSKI R.P.L.S. NO. 5902
JOB NO: 17-03-15
DATE: MARCH 07 2017

12440 OXFORD PARK
DR, SUITE B-103
HOUSTON, TX 77062
Tel: 281.584.0800
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www.ceeng.com

C-ENG
LICENSED ENGINEERS
TX FIRM REGISTRATION #: 19821

STATE OF TEXAS
CHADI AYOUB
98170
LICENSED PROFESSIONAL ENGINEER
The seal appearing on this document was authorized by Chadi Ayoub, P.E. 98170 on 12/31/2017.

REV	DATE	DESCRIPTION

HAIDER ZAMAN WEST BELLFORT
WAREHOUSE BUILDINGS

15545 WEST BELLFORT BLVD, SUGAR LAND,
TX 77498

C-ENG FILE #: C17-575
DETAILED BY: CA
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
PAGE TITLE:
BOUNDARY
AND
TOPOGRAPHIC
SURVEY
SHEET NO.:
C5.2

APPROVED: *Pasandip*
Development Coordinator
DATE: 4-13-18

PORTIONS OF THIS DRAWING MAY NOT BE TO SCALE. THEREFORE, THIS DRAWING SHALL NOT BE SCALED

USE OR REPRODUCTION OF THIS DRAWING AND/OR BLUEPRINT MAY BE AN INFRINGEMENT OF THE FEDERAL COPYRIGHT ACT. THIS DRAWING IS PROTECTED UNDER THE FEDERAL COPYRIGHT ACT BY C-ENG, Engineers & Consultants, INC.

STATE OF TEXAS
COUNTY OF FORT BEND

We, 15517 West Bellfort, an individual series of a Texas limited liability company, acting by and through Anis Hussain, Manager, Ali Center Inc., a Texas corporation, acting by and through Shahنشah Zaidi, Director, and Haider Zaman, owners hereinafter referred to as Owners of the 5.563 acre tract described in the above and foregoing map of WEST BELLFORT COMPLEX, do hereby make and establish said subdivision and development plan of said property according to all lines, dedications, restrictions, and notations on said maps or plat and hereby dedicate to the use of the public forever, all streets (except those streets designated as private streets, or permanent access easements), alleys, parks, water courses, drains, easements and public places shown thereon for the purposes and considerations therein expressed; and do hereby bind ourselves, our heirs, successors and assigns to warrant and forever defend the title on the land so dedicated.

FURTHER, Owners have dedicated and by these presents do dedicate to the use of the public for public utility purpose forever unobstructed aerial easements. The aerial easements shall extend horizontally an additional eleven feet, six inches (11' 6") for ten feet (10' 0") perimeter ground easements or seven feet, six inches (7' 6") for fourteen feet (14' 0") perimeter ground easements or five feet, six inches (5' 6") for sixteen feet (16' 0") perimeter ground easements, from a plane sixteen feet (16' 0") above the ground level upward, located adjacent to and adjoining said public utility easements that are designated with aerial easements (U.E. and A.E.) as indicated and depicted hereon, whereby the aerial easement totals twenty one feet, six inches (21' 6") in width.

FURTHER, Owners have dedicated and by these presents do dedicate to the use of the public for public utility purpose forever unobstructed aerial easements. The aerial easements shall extend horizontally an additional ten feet (10' 0") for ten feet (10' 0") back-to-back ground easements, or eight feet (8' 0") for fourteen feet (14' 0") back-to-back ground easements or seven feet (7' 0") for sixteen feet (16' 0") back-to-back ground easements, from a plane sixteen feet (16' 0") above ground level upward, located adjacent to both sides and adjoining said public utility easements that are designated with aerial easements (U.E. and A.E.) as indicated and depicted hereon, whereby the aerial easement totals thirty feet (30' 0") in width.

FURTHER, Owners do hereby covenant and agree that all of the property within the boundaries of this plat is hereby restricted to prevent the drainage of any septic tanks into any public or private street, permanent access easement, road or alley, or any drainage ditch, either directly or indirectly.

FURTHER, Owners do hereby dedicate to the public a strip of land twenty feet (20' 0") wide on each side of the center line of any and all bayous, creeks, gullies, ravines, draws, sloughs or other natural drainage courses located in said plat, as easements for drainage purposes, giving the City of Houston, Harris County, or any other governmental agency, the right to enter upon said easement at any and all times for the purpose of construction and maintenance of drainage facilities and structures.

FURTHER, Owners do hereby covenant and agree that all of the property within the boundaries of this plat and adjacent to any drainage easement, ditch, gully, creek or natural drainage way shall hereby be restricted to keep such drainage ways and easements clear of fences, buildings, planting and other obstructions to the operations and maintenance of the drainage facility and that such abutting property shall not be permitted to drain directly into this easement except by means of an approved drainage structure.

FURTHER, Owner does hereby acknowledge the receipt for the "Order for Regulation of Outdoor Lighting in the Unincorporated Areas of Fort Bend County, Texas" and do hereby covenant and agree and shall comply with this order as adopted by Fort Bend County Commissioners Court on March 23, 2004, and any subsequent amendments.

IN TESTIMONY WHEREOF, the 15517 West Bellfort, an individual series of Texas limited liability company, Ali Center Inc., a Texas corporation has caused these presents to be signed by Anis Hussain, its Manager, and Shahنشah Zaidi, its Director, thereunto authorized, this _____ day of _____, 2017.

WITNESS my hand in the city of Houston, Texas, this _____ day of _____, 2017.

15517 West Bellfort, an individual series of a
Texas limited Liability company and
Ali Center, Inc., a Texas corporation

By: _____
Anis Hussain
Manager

By: _____
Shahنشah Zaidi
Director

By: _____
Haider Zaman
Owner

STATE OF TEXAS
COUNTY OF FORT BEND

BEFORE ME, the undersigned authority, on this day personally appeared Anis Hussain, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and considerations therein expressed and in the capacity therein and herein stated, and as the act and deed of said corporation.

GIVEN UNDER MY HAND AND SEAL OF OFFICE,
this _____ day of _____, 2017.

Notary Public in and for the
State of Texas
Print Name: _____
My Commission expires: _____

STATE OF TEXAS
COUNTY OF FORT BEND

BEFORE ME, the undersigned authority, on this day personally appeared Shahنشah Zaidi, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and considerations therein expressed and in the capacity therein and herein stated, and as the act and deed of said corporation.

GIVEN UNDER MY HAND AND SEAL OF OFFICE,
this _____ day of _____, 2017.

Notary Public in and for the
State of Texas
Print Name: _____
My Commission expires: _____

STATE OF TEXAS
COUNTY OF FORT BEND

BEFORE ME, the undersigned authority, on this day personally appeared Haider Zaman, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE,
this _____ day of _____, 2017.

Notary Public in and for the
State of Texas
Print Name: _____
My Commission expires: _____

I, Piotr A. Debski, am registered under the laws of the State of Texas to practice the profession of surveying and hereby certify that the above subdivision is true and accurate; was prepared from an actual survey of the property made under my supervision on the ground; that, except as shown all boundary corners, angle points, points of curvature and other points of reference have been marked with iron (or other objects of a permanent nature) pipes or rods having an outside diameter of not less than five eighths (5/8) inch and a length of not less than three (3) feet; and that the plat boundary corners have been tied to the Texas Coordinate System of 1983, south central zone.



Piotr A. Debski
Texas Registration No. 5902

This is to certify that the Planning Commission of the City of Houston, Texas, has approved this plat and subdivision of WEST BELLFORT COMPLEX in conformance with the laws of the State of Texas and the ordinances of the City of Houston, as shown hereon, and authorized the recording of this plat this _____ day of _____, 2017.

By: _____ (or) By: _____
Martha L. Stein M. Sonny Garza
Chair Vice Chairman
By: _____
Patrick Walsh, P.E.
Secretary

We, Prosperity Bank, owner and holder of a lien against the property described in the plat known as WEST BELLFORT COMPLEX, said lien being evidenced by instrument of record in the Clerk's File No. 2016015151 of the O.P.R.O.R.P. of Fort Bend County, Texas, do hereby in all things subordinate our interest in said property to the purposes and effects of said plat and the dedications and restrictions shown herein to said subdivision plat and we hereby confirm that we are the present owner of said lien and have not assigned the same nor any part thereof.

By: _____
Print Name: _____
Representative of Prosperity Bank

STATE OF TEXAS
COUNTY OF HARRIS

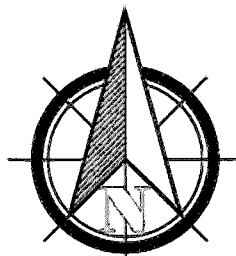
BEFORE ME, the undersigned authority, on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same for the purposes and considerations therein expressed and in the capacity therein and herein stated, and as the act and deed of said corporation.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this
_____ day of _____, 2017.

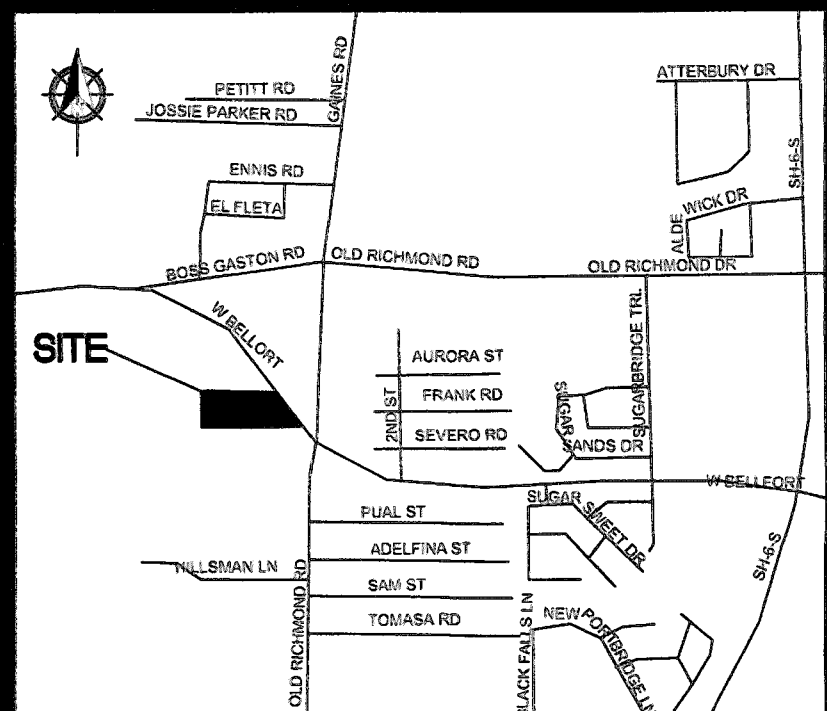
Notary Public in and for the State of Texas
Print Name: _____
My Commission expires: _____

I, Chadi Ayoub, a Professional Engineer registered in the State of Texas do hereby certify that this plat meets all requirements of Fort Bend County to the best of my knowledge.

Print Name: _____, P.E.
Registered Professional Engineer No. 98170



SCALE:
1"=40'



KEY MAP
527Y Vicinity Map
not to scale

I, Richard Stolleis, P.E., Fort Bend County Engineer, do hereby certify that the plat of this subdivision complies with all of the existing rules and regulations of this office as adopted by the Fort Bend County Commissioners' Court. However, no certification is hereby given as to the effect of drainage from this subdivision on the intercepting drainage artery or parent stream or on any other area or subdivision within the watershed.

Richard Stolleis, P.E.
Fort Bend County Engineer

Approved by the Commissioner's Court of Fort Bend County, Texas, this
day of _____, 2017.

Vincent M. Morales, Jr. Grady Prestage
Precinct 1, County Commissioner Precinct 2, County Commissioner

Robert E. Hebert
County Judge

W.A. "Andy" Myers James Patterson
Precinct 3, County Commissioner Precinct 4, County Commissioner

I, Laura Richard, County Clerk in and for Fort County, hereby certify that the foregoing instrument with its certificate of authentication was filed for recordation in my office on _____, 20____, at _____ o'clock _____ M., in plat number _____, of the Plat Records of Fort Bend County, Texas.

Witness my hand and seal of office, at Houston, the day and date last above written.

Laura Richard
County Clerk for
Fort Bend County, Texas

By: _____
Deputy

WEST BELLFORT COMPLEX
A SUBDIVISION OF A 5.563 ACRE TRACT OF LAND
SITUATED IN THE JOHN LEVERTON SURVEY
ABSTRACT 402
FORT BEND COUNTY, TEXAS

3 RESERVES 1 BLOCK 0 LOTS

OWNERS:

15517 WEST BELLFORT, AN INDIVIDUAL SERIES OF
A TEXAS LIMITED LIABILITY COMPANY
15517 WEST BELLFORT, SUGAR LAND, TEXAS 77498
281-561-6151

ALI CENTER, INC., A TEXAS CORPORATION
15505 WEST BELLFORT, SUGAR LAND, TEXAS 77498
832-868-0430

HAIDER ZAMAN
15734 WEST BELLFORT, SUGAR LAND, TEXAS 77498
281-561-6151

DATE: OCTOBER, 2017 SCALE: 1" = 40'

OWENS MANAGEMENT SYSTEMS, LLC
P.O. BOX 88331
HOUSTON, TEXAS 77288
713-643-6333

SURVEYOR
PIOTR A. DEBSKI
1030 DOMINION DR.
KATY, TEXAS 77450

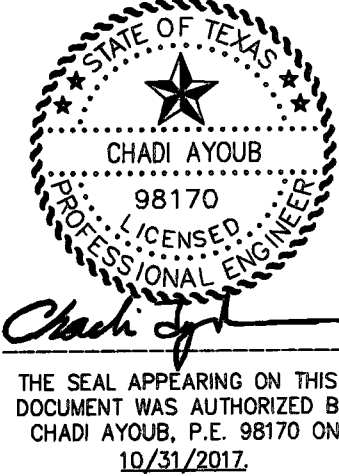
PAGE 1 OF 2

APPROVED: _____
Development Coordinator

DATE: 4-13-18

12440 OXFORD PARK
DR. SUITE B-103
HOUSTON, TX 77062
Tel: 281.584.0800
Fax: 281.584.0801
info@cengcon.com
www.cengcon.com

C.E.N.G.
LICENSED ENGINEERS
TX FIRM REGISTRATION #: 12-921



REV	DATE	DESCRIPTION

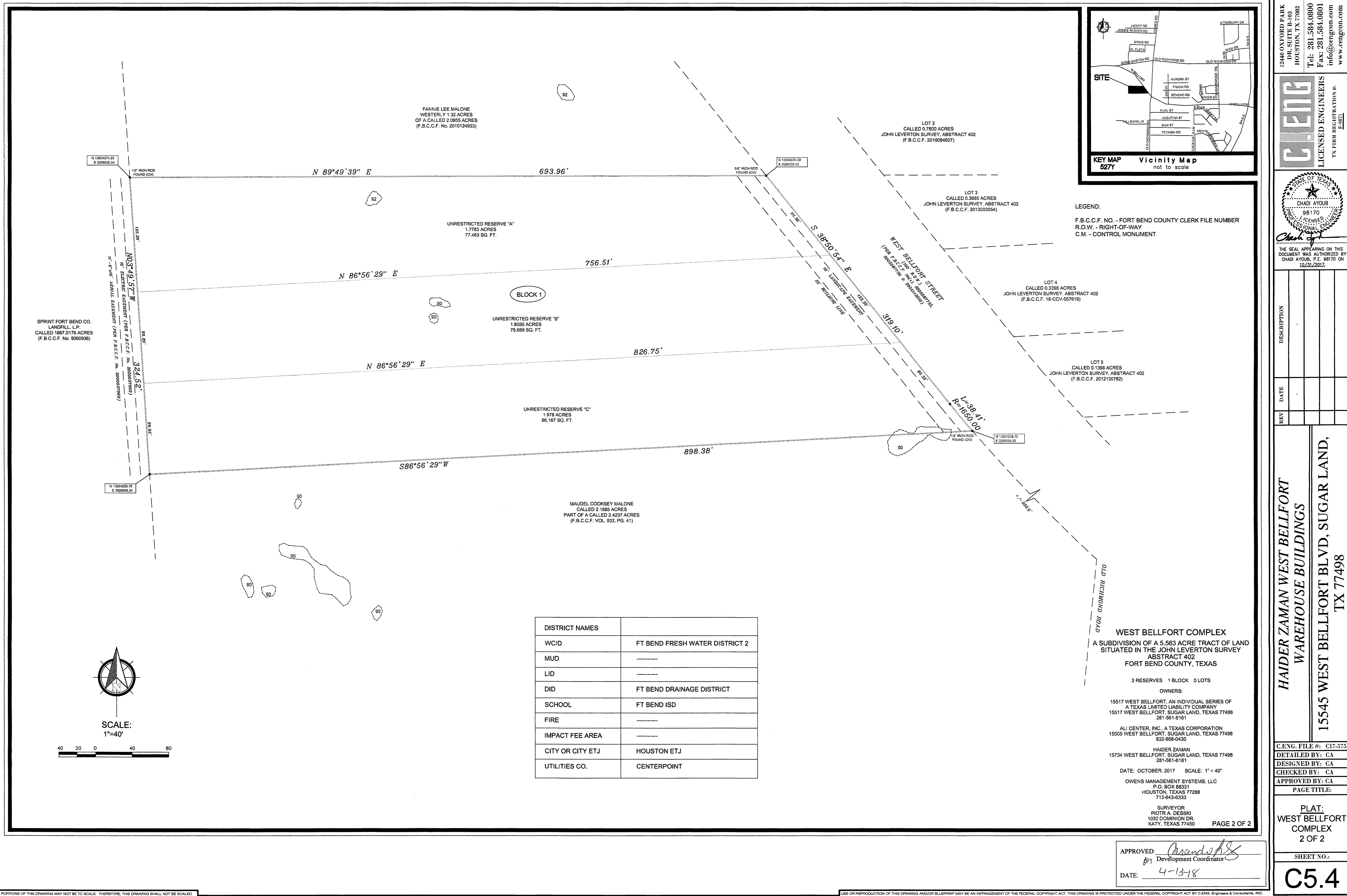
HAIDER ZAMAN WEST BELLFORT
WAREHOUSE BUILDINGS
15545 WEST BELLFORT BLVD, SUGAR LAND,
TX 77498

C.ENG. FILE #: C17-575
DETAILED BY: CA
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
PAGE TITLE:

PLAT:
WEST BELLFORT
COMPLEX
1 OF 2

SHEET NO.:

C5.3



SPRINT FORT BEND CO.
LANDFILL, L.P.
CALLED 1887.0178 ACRES
(F.B.C.C.F. No. 9360936)

FANNIE LEE MALONE
WESTERLY 1.32 ACRES
OF A CALLED 2.0855 ACRES
(F.B.C.C.F. No. 2010124953)

UNRESTRICTED RESERVE "A"
1.7783 ACRES
77,463 SQ. FT.

BLOCK 1
UNRESTRICTED RESERVE "B"
1.8080 ACRES
78,689 SQ. FT.

UNRESTRICTED RESERVE "C"
1.978 ACRES
86,167 SQ. FT.

MAUDEL COOKSEY MALONE
CALLED 2.1685 ACRES
PART OF A CALLED 2.4237 ACRES
(F.B.C.C.F. VOL. 932, PG. 41)

LOT 2
CALLED 0.7800 ACRES
JOHN LEVERTON SURVEY, ABSTRACT 402
(F.B.C.C.F. 2018084607)

LOT 3
CALLED 0.3985 ACRES
JOHN LEVERTON SURVEY, ABSTRACT 402
(F.B.C.C.F. 2013003054)

LOT 4
CALLED 0.3386 ACRES
JOHN LEVERTON SURVEY, ABSTRACT 402
(F.B.C.C.F. 16-CCV-057819)

LOT 5
CALLED 0.1388 ACRES
JOHN LEVERTON SURVEY, ABSTRACT 402
(F.B.C.C.F. 2012130782)

LEGEND:
F.B.C.C.F. NO. - FORT BEND COUNTY CLERK FILE NUMBER
R.O.W. - RIGHT-OF-WAY
C.M. - CONTROL MONUMENT

WEST BELLFORT COMPLEX
A SUBDIVISION OF A 5.563 ACRE TRACT OF LAND
SITUATED IN THE JOHN LEVERTON SURVEY
ABSTRACT 402
FORT BEND COUNTY, TEXAS

3 RESERVES 1 BLOCK 0 LOTS

OWNERS:
15517 WEST BELLFORT, AN INDIVIDUAL SERIES OF
A TEXAS LIMITED LIABILITY COMPANY
15517 WEST BELLFORT, SUGAR LAND, TEXAS 77498
281-561-6161

ALI CENTER, INC., A TEXAS CORPORATION
15505 WEST BELLFORT, SUGAR LAND, TEXAS 77498
832-868-0430

HAIDER ZAMAN
15734 WEST BELLFORT, SUGAR LAND, TEXAS 77498
281-561-6161

DATE: OCTOBER, 2017 SCALE: 1" = 40'

OWENS MANAGEMENT SYSTEMS, LLC
P.O. BOX 88331
HOUSTON, TEXAS 77288
713-442-6333

SURVEYOR
PIOTR A. DEBSKI
1030 DOMINION DR.
KATY, TEXAS 77450

PAGE 2 OF 2

APPROVED: *Asandw...*
for Development Coordinator
DATE: 4-13-18

12440 OXFORD PARK
DR. SUITE B-103
HOUSTON, TX 77062
Tel: 281.584.0800
Fax: 281.584.0801
info@ceengcon.com
www.ceengcon.com

C.E.N.G.
LICENSED ENGINEERS
TX FIRM REGISTRATION #: E-9821

STATE OF TEXAS
CHADI AYUB
98170
LICENSED PROFESSIONAL ENGINEER
THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
CHADI AYUB, P.E. 98170 ON
10/31/2017

REV	DATE	DESCRIPTION

HAIDER ZAMAN WEST BELLFORT
WAREHOUSE BUILDINGS
15545 WEST BELLFORT BLVD, SUGAR LAND,
TX 77498

C.E.N.G. FILE #: C17-375
DETAILED BY: CA
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
PAGE TITLE:

PLAT:
WEST BELLFORT
COMPLEX
2 OF 2

SHEET NO.:
C5.4