



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

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

☐

Right of Way Permit

☒

Commercial Driveway Permit

Permit No: 2017-11868

Applicant: Nasir Z Shenwari/C.ENG, Inc.

Job Location Site: 17401 Beechnut Street, Houston, TX 77083

Bond No. **Date of Bond:** 2/22/2017 **Amount:** \$7,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 7th day of March, 2017, Upon Motion of Commissioner Meyer, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By: Charles O. Ay
for County Engineer

Date Recorded 3-16-17 Comm. Court No. 12J

N/A

Clerk of Commissioners Court

By:
Drainage District Engineer/Manager

By: Ronda Wilkins
Deputy



**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@fortbendcountytexas.gov

☐

Right of Way Permit

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Commercial Driveway Permit

Permit No: 2017-11868

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:

X
X
X

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: _____

Amount: _____

☒

Cashier's Check

Check No: _____

Amount: \$7,000.00

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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

Charles O. Ay

Permit Administrator

2/27/17

Date

HOLD DOCUMENT UP TO THE LIGHT TO VIEW TRUE WATERMARK

CHASE **CASHIER'S CHECK**

HOLD DOCUMENT UP TO THE LIGHT TO VIEW TRUE WATERMARK

Date 02/22/2017

9151517197

25-3

Void after 7 years

440

Remitter: NASIR Z SHENWARI

Pay To The **FORT BEND COUNTY**
Order Of:

Pay: SEVEN THOUSAND DOLLARS AND 00 CENTS

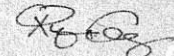
\$** 7,000.00 **

Do not write outside this box

Memo: _____

Note: For information only. Comment has no effect on bank's payment.

Drawer: JPMORGAN CHASE BANK, N.A.

Managing Director
JPMorgan Chase Bank, N.A.
Columbus, OH  

DATE: 3-13-2017

CURRENCY	COINS	CHECKS	TOTAL CASH	DOLLARS	CENTS
		1 Cashier's	7,000.00		
		2 Check #			
		3			
		4			
		5			
		6 Nasis 2			
		7 Shearwater			
		8 C. Eng. Inc.			
		9			
		10			
		11 Permit #			
		12 2017-11868			
		13			
		14 CEM			
		15 3-07-17			
		16 # 127			
		17			
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		28			
TOTAL FROM OTHER SIDE ON ATTACHED LIST					
TOTAL			7,000.00		

DEPOSIT TICKET
TOTAL ITEMS: 1

DEPOSITS MAY NOT BE AVAILABLE FOR IMMEDIATE WITHDRAWAL.

88-2255/1131-111

RE-ENTER GRAND TOTAL IN SCREENED BOXES

7,000.00

151

USE ROUTING NUMBER FROM YOUR CHECKS FOR AUTOMATIC PAYMENTS. IF CHECKS AND OTHER ITEMS ARE RECEIVED FOR DEPOSIT, LIST THEM IN THE PROVISIONS OF THE DEPOSIT SLIP, OR MAKE A CHECK AND ANY APPLICABLE COLLECTION AGREEMENT.

RECORD OF CHECKS FOR DEPOSIT

CHECKS LIST EACH SEPARATELY	DOLLARS	CENTS
1		
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ENTER THE TOTAL IN THE SPACE PROVIDED (PENNY)

CASH COUNT - FOR OFFICE USE ONLY

TOTAL THIS SIDE

03/15/2017
RR# 111 Tr# 12
Account
DDA Deposit: 7,000.00

3:14 PM
Seq# 57

Prosperity Bank



PRINT

Order Confirmation

Fort Bend County, Office of County Clerk

301 Jackson Street
Richmond, TX 77469
U.S.A.

TXCLASS

Order Date:	3/16/2017	Order Number:	TXO01600363
Participant Name:	Fort Bend County, Office of County Clerk		
Account Name:	CCM2017-11868-SHENWARI,NASIR		
Account Number:	TXCLASS [REDACTED]	Authorized	Vickie Kirk
Transaction Type:	Contribution		
Transaction Amount:	\$7,000.00		
Bank Name:	PROSPERITY BANK		
Bank Account No:	XXXXXXXX-7036		
Payment Type:	ACH	<i>Please note you have made an ACH Contribution, these funds will not be available for withdrawal until the following business day.</i>	
ABA:	[REDACTED]		
Payment Instructions:			

Memo:

Email: clientservices@texasclass.com Tel: (800) 707-6242 Fax: (855) 848-9910 www.texasclass.com

DEPOSIT

PERMIT #

2017-11868

STYLE:

**Nasir Z Shenwari/C. Eng, Inc
17401 Beechnut Street**

NAME PUT INTO TEXAS CLASS AS:

CCM2017-11868-SHENWARI,NASIR

TEXAS CLASS ACCOUNT NUMBER

[REDACTED]

DEPOSIT AMOUNT:

\$7,000.00

DATE RECEIVED:

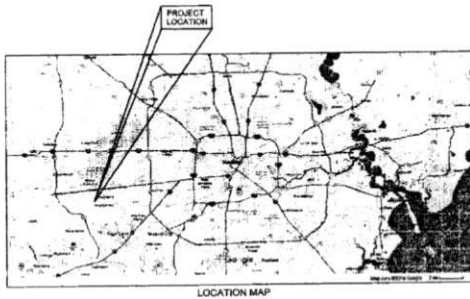
3/13/2017

DATE TRANSFERRED TO TEXAS CLASS:

3/16/2017

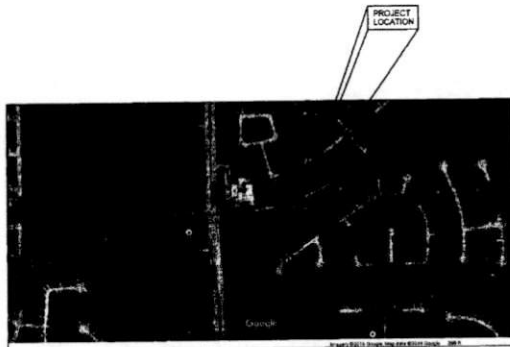
CONSTRUCTION PLANS FOR PROPOSED

Shenwari Warehouse Buildings
17401 Beechnut Street
Houston, Fort Bend County, TX 77083



SHEET INDEX

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



KEY MAP NO 47G
ZIP CODE NO 77083

APP.	REVISIONS	DATE
3		
2		
1		

C.ENG

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

TX FIRM REGISTRATION #: F-9871

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHARTER ARTICLE, P.E. 98170 ON 08/29/16

FORT BEND COUNTY ENGINEER

ENGINEER: Richard W. Stolleis, P.E.

DATE: 8/30/16

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

APPROVED: Maggie D.
Development Coordinator

DATE: 8/29/16

EXISTING CAPACITY ALLOCATED TO TRACT & PROPOSED DETENTION POND DESIGN NOTES

- EXISTING STORM DRAINAGE ALLOCATION FOR THE PROPOSED SITE (TRACT 'A') IS (4.64 CFS) TO AN EXISTING MANHOLE ALONG BEECHNUT STREET AS SHOWN ON APPROVED DRAINAGE AREA MAP PERFORMED BY JA COSTANZA & ASSOCIATES DATED 10/09/2003 (REV. 1, DATED 01/09/2004). SEE SHEET C-2.
- IMPERVIOUS AREA ADDED IS 1.37 ACRES TO EXISTING SITE (TRACT 'A'). TOTAL AREA OF IMPERVIOUS TRACT 'A' IS 1.72 ACRES. EXISTING TRACT 'A' 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 0.5 AC/INCH.
- A RESTRICTOR OUTFALL PIPE OF 15" IN DIAMETER IS PROPOSED TO DISCHARGE WATER FROM THE DETENTION POND TO THE EXISTING MANHOLE LOCATED ON BEECHNUT STREET. DESIGN DISCHARGE FLOW RATE IS AT (4.53 CFS), WHICH IS LESS THAN THE ALLOCATED DRAINAGE DISCHARGE FLOW RATE OF (4.64 CFS). NOTE TO SHEET C-2: 1. SURVEY FOR EXISTING MANHOLE LOCATION.
- THE TOTAL MAXIMUM INFLOW RATE INTO PROPOSED DETENTION POND = 2.60 CFS THROUGH INLETS A-2 AND A-4. AS SHOWN ON THIS SHEET C-2 (2.60 CFS) AND ILLUSTRATION 'C'.
- THE MAXIMUM PROPOSED DESIGN OUTFALL DISCHARGE CAPACITY FROM PROPOSED DETENTION POND TO EXISTING MANHOLE = 4.53 CFS BASED ON A RESTRICTOR PIPE OF 15" IN DIAMETER.
- BASED ON CALCULATIONS SHOWN ON THIS SHEET C-2 (2.60 CFS) AND ILLUSTRATION 'C', DETENTION POND CAPACITY REQUIRED FOR A 100 YEAR STORM FREQUENCY = 29,860 FT³.
- STORM WATER IS FLOWING OUT FROM PROPOSED DETENTION POND WHILE SIGNIFICANTLY FLOWING IN ILLUSTRATION 'B' THEREFORE, TOTAL DIFFERENTIAL PROPOSED DETENTION POND WATER RISE IS BASED ON REDUCED INFLOW RATE = (MAXIMUM INFLOW - MAXIMUM OUTFALL) = (6.88 CFS) - (4.53 CFS) = 2.35 CFS. SEE ILLUSTRATION 'C'.
- A REDUCTION TO THE PROPOSED DETENTION CAPACITY IS APPLIED BASED ON A DIFFERENTIAL FLOW RATE = 2.35 CFS ILLUSTRATION 'C'.
- REDUCTION APPLIED TO PROPOSED DETENTION POND = DIFFERENTIAL INFLOW (MAXIMUM INFLOW) X TOTAL DETENTION POND VOLUME REQUIRED = (2.35 CFS) / (6.88 CFS) X 27,167 FT³ = 9,279 FT³ ILLUSTRATION 'C'.

ILLUSTRATION A

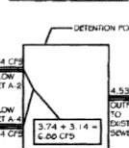


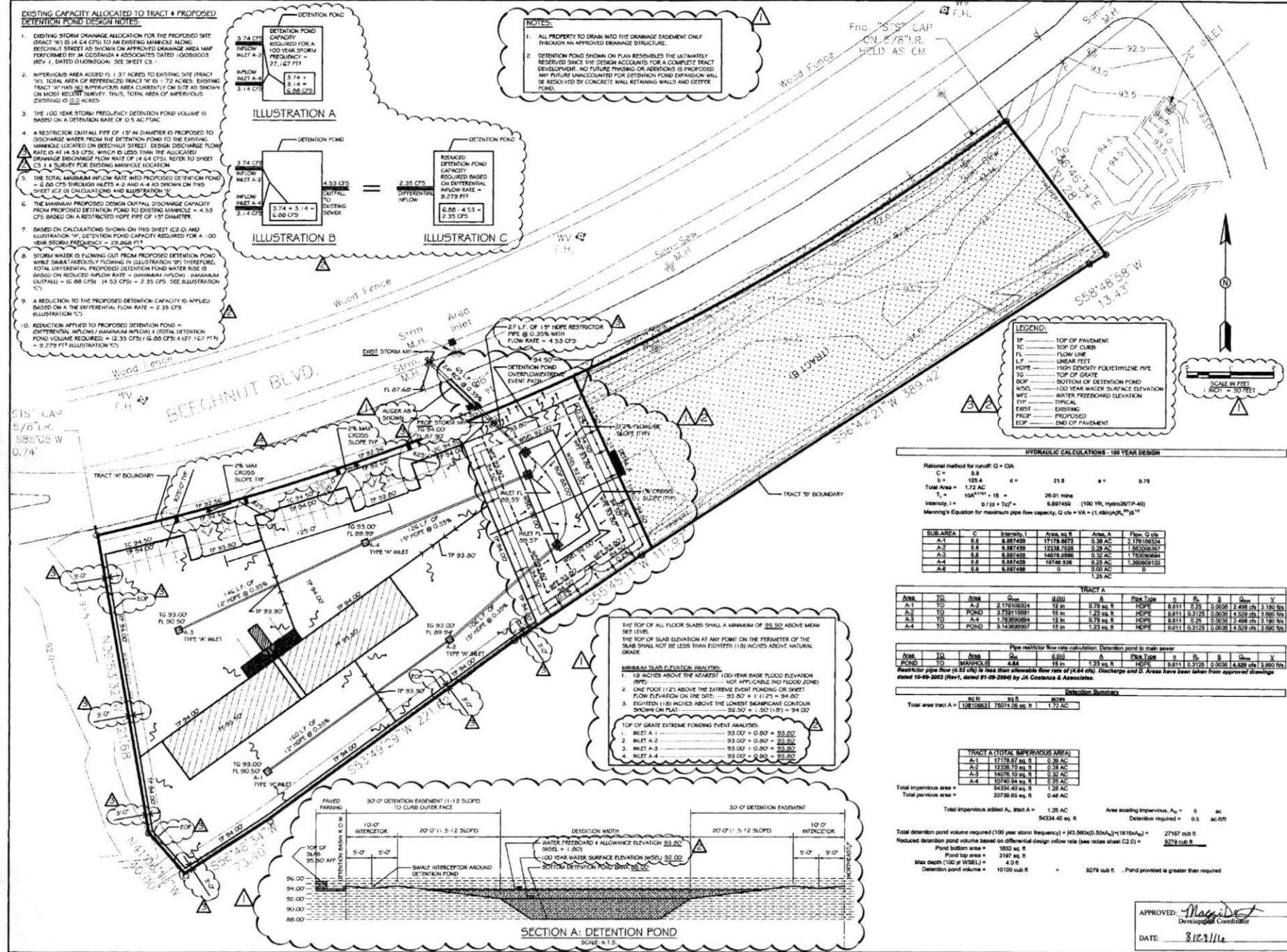
ILLUSTRATION B



ILLUSTRATION C



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



LEGEND:

- TP TOP OF PAVEMENT
- FL TOP OF CURB
- FL FLOW LINE
- FL LINEAR FEET
- HPPE HIGH DENSITY POLYETHYLENE PIPE
- TP TOP OF GRADE
- BOF BOTTOM OF EXTENSION POND
- WSEL 100 YEAR WATER SURFACE ELEVATION
- WTE WATER FREEBOARD ELEVATION
- WTE TYPICAL
- EXIST EXISTING
- PROPOSED
- END OF PAVEMENT

HYDRAULIC CALCULATIONS - 100 YEAR DESIGN

Rational method for runoff: $Q = CIA$

$C = 0.8$
 $I = 128.4$
 $A = 1.72$ AC
 $T_t = 10^{(1.49 - 0.0148I)} = 10^{(1.49 - 0.0148 \times 128.4)} = 10^{(1.49 - 1.89)} = 10^{-0.4} = 0.398$ min
 $Q = CIA/T_t = (0.8 \times 128.4 \times 1.72) / 0.398 = 4,530$ gpm
 $Q = 4,530$ gpm (100 YR Hydrograph P-40)
 Manning's Equation for maximum pipe flow capacity: $Q_{cfs} = (1.486/n)(R^{2.48})S^{0.48}$

SUB AREA	C	Intensity, I	Area, sq ft	Area, ac	Flow, Q cfs
A-1	0.8	8.887459	17178.9672	0.39 AC	2.178109324
A-2	0.8	8.887459	12318.1238	0.28 AC	1.65306387
A-3	0.8	8.887459	14878.0386	0.34 AC	1.75300044
A-4	0.8	8.887459	19740.928	0.45 AC	1.36060133
A-5	0.8	8.887459	0	0.00 AC	0

TRACT A

Area	To	Area	Q _{cfs}	Q _{gpm}	Flow Type	n	R	S	Q _{cfs}	V
A-1	TO	A-2	2.178109324	123.18	HPPE	0.011	0.375	0.0036	2.488 cfs	3.180 sq ft
A-2	TO	POND	1.65306387	93.00	HPPE	0.011	0.375	0.0036	1.500 cfs	1.960 sq ft
A-3	TO	A-4	1.75300044	93.00	HPPE	0.011	0.375	0.0036	2.488 cfs	3.180 sq ft
A-4	TO	POND	1.36060133	75.60	HPPE	0.011	0.375	0.0036	1.500 cfs	1.960 sq ft

TRACT A

Area	To	Area	Q _{cfs}	Q _{gpm}	Flow Type	n	R	S	Q _{cfs}	V
A-1	TO	MANHOLE	4.53	15.00	HPPE	0.011	0.375	0.0036	4.500 cfs	5.800 sq ft

Restrictor pipe flow rate calculation: Detention pond to main sewer
 $Q_{cfs} = (1.486/n)(R^{2.48})S^{0.48}$
 $Q_{cfs} = (1.486/0.011)(0.375^{2.48})(0.0036^{0.48}) = 4.53$ cfs
 Restrictor pipe flow rate of 4.53 cfs is less than allowable flow rate of 4.64 cfs. Discharge and D. Areas have been taken from approved drawings dated 10-09-2003 (Rev.1, dated 01-09-2004) by JA Costanza & Associates.

Detention Summary

Area	To	Area	Q _{cfs}	Q _{gpm}	Flow Type	n	R	S	Q _{cfs}	V
Total area into A	A	1.72 AC	4.53	15.00	HPPE	0.011	0.375	0.0036	4.500 cfs	5.800 sq ft

TRACT A (TOTAL IMPERVIOUS AREA)

Area	To	Area	Q _{cfs}	Q _{gpm}	Flow Type	n	R	S	Q _{cfs}	V
A-1	TO	A-2	2.178109324	123.18	HPPE	0.011	0.375	0.0036	2.488 cfs	3.180 sq ft
A-2	TO	POND	1.65306387	93.00	HPPE	0.011	0.375	0.0036	1.500 cfs	1.960 sq ft
A-3	TO	A-4	1.75300044	93.00	HPPE	0.011	0.375	0.0036	2.488 cfs	3.180 sq ft
A-4	TO	POND	1.36060133	75.60	HPPE	0.011	0.375	0.0036	1.500 cfs	1.960 sq ft

Total impervious area = 54334.40 sq ft
 Total pervious area = 20736.80 sq ft
 Total impervious added, A_{imp} = 1.28 AC
 54334.40 sq ft
 Area existing impervious, A_{ex} = 0 ac
 Detention required = 0.5 ac-ft
 Total detention pond volume required (100 year storm frequency) = $43,560(0.50A_{imp}) = 27,167$ cu ft
 Reduced detention pond volume based on differential design inflow rate (see notes sheet C-2) = 9,279 cu ft
 Pond bottom area = 1852 sq ft
 Pond top area = 3197 sq ft
 Max depth (100 yr WSEL) = 4.0 ft
 Detention pond volume = 10702 cu ft
 9279 cu ft - Pond provided is greater than required

SECTION A: DETENTION POND

SCALE: N.T.S.

C.ENG
 Tel: 281.584.0800
 Fax: 281.584.0801
 info@cengcon.com
 www.cengcon.com
 TX FIRM REGISTRATION #: F-9871

PROJECT
Shenwari Warehouse Buildings
 17401 Beechnut Street, Houston, TX 77083

REVISIONS

No.	DATE	DESCRIPTION
1	01/25/2014	FOR CONSTRUCTION
2	06/09/2014	FOR CONSTRUCTION
3	06/12/2014	FOR CONSTRUCTION
4	06/12/2014	FOR CONSTRUCTION

Check
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHAD AYDOR, P.E. 00759 ON 08/23/2014
C.ENG FILE NO: C16-537
 DESIGNED BY: CA
 CHECKED BY: CA
 APPROVED BY: CA
 SCALE: AS NOTED
PAGE TITLE:
GRADING & DRAINAGE PLAN
 SHEET NO.
 C2.0

PROJECT

Shenwari Warehouse Buildings
17401 Beechnut Street, Houston, TX 77083

REVISIONS

NO.	DATE	DESCRIPTION
1	04/29/2014	FOR CONSTRUCTION
2	04/29/2014	FOR CONSTRUCTION
3	06/09/2016	FOR CONSTRUCTION
4	06/17/2016	FOR CONSTRUCTION
5	06/22/2016	FOR CONSTRUCTION
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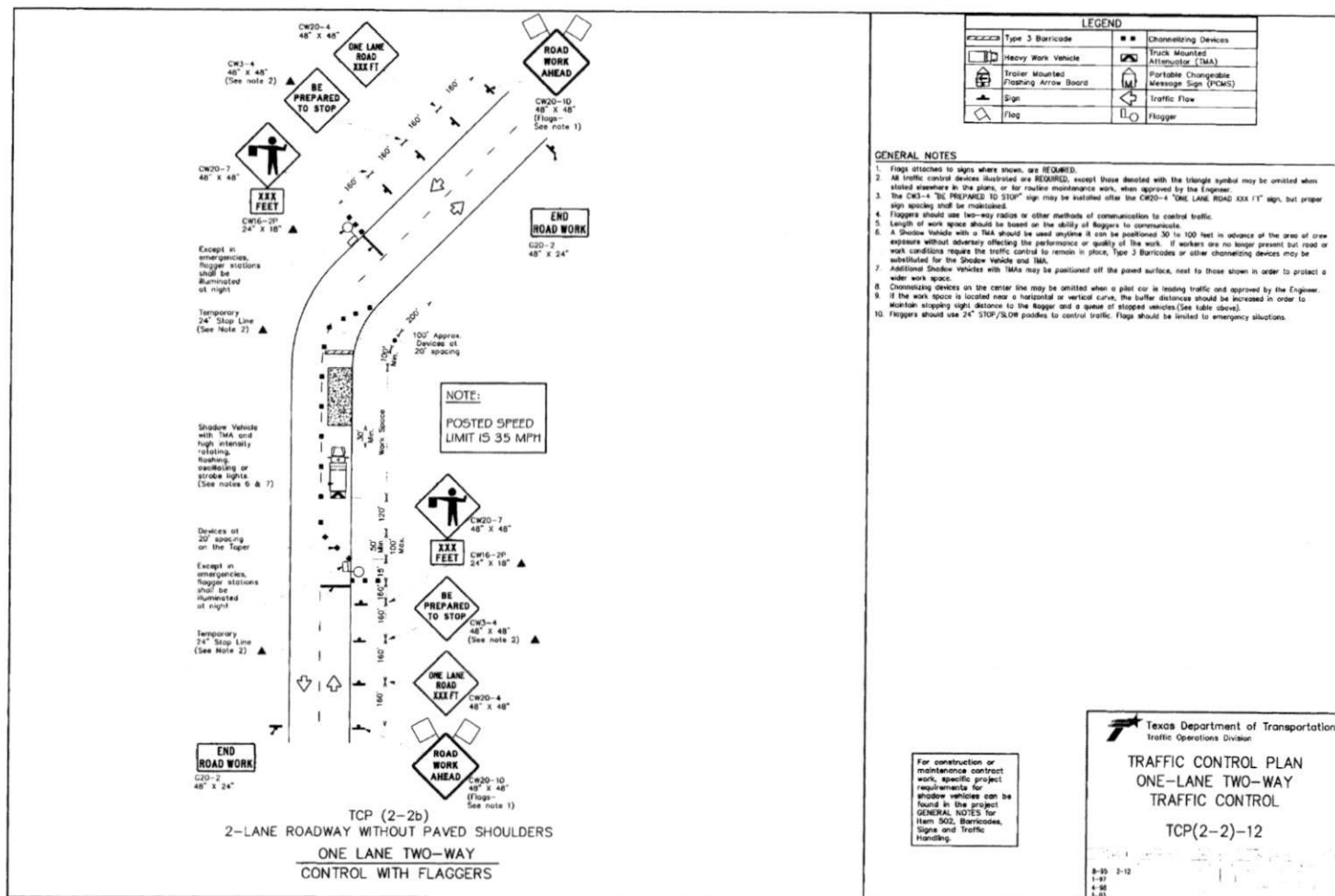


THE SEAL APPEARING ON THIS DOCUMENT
WAS AUTHORIZED BY CHAD A. JONES, P.E.
08/17/10 ON 08/22/2018

C.ENG. FILE # C16-537
DETAILED BY: CA
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
SCALE: AS NOTED
PAGE TITLE:
TXDOT APPROVED
TRAFFIC CONTROL
PLAN (TCP-2-2)

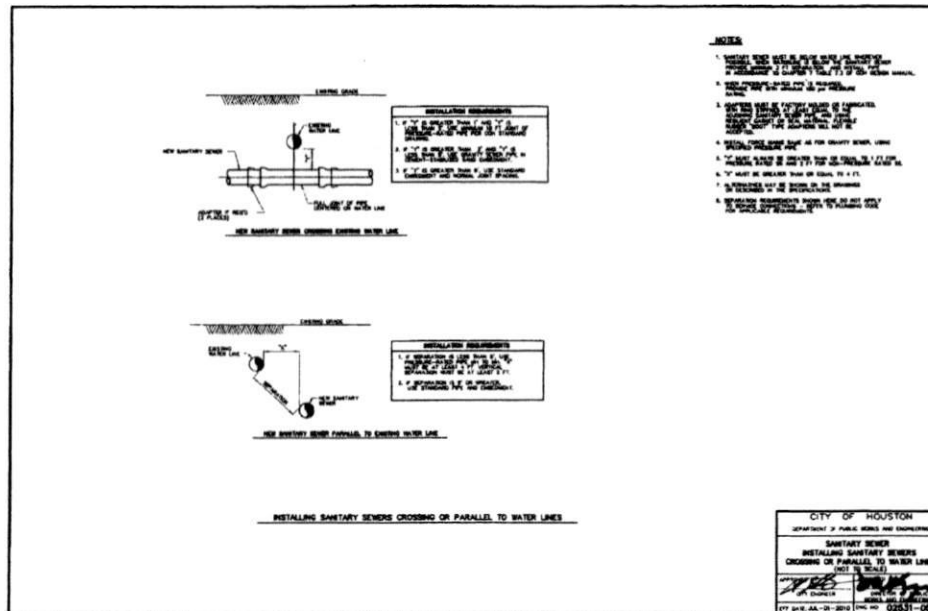
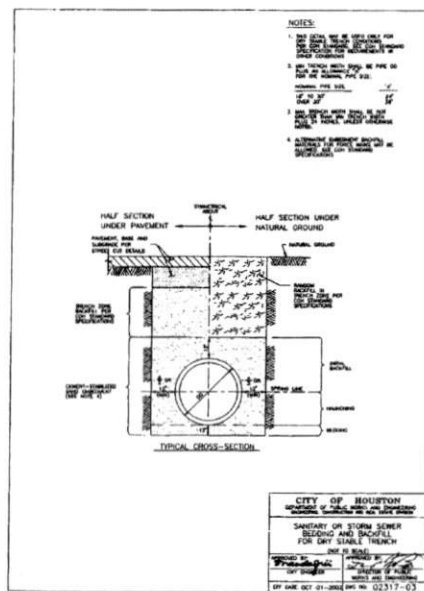
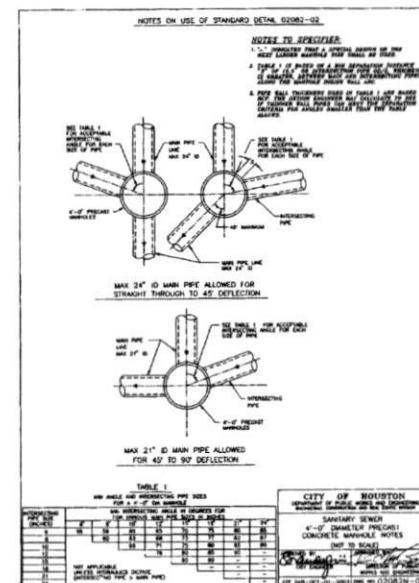
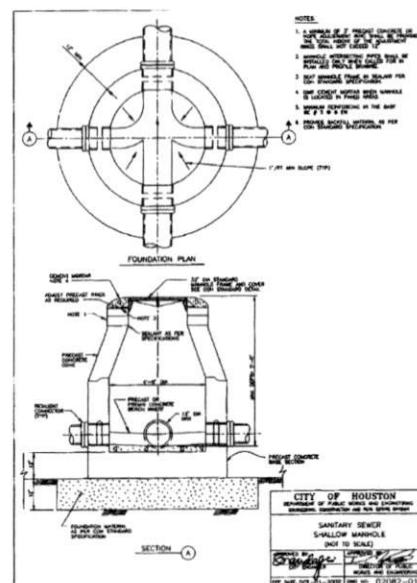
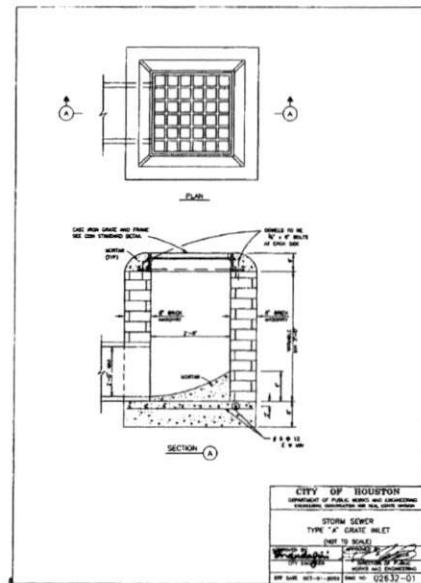
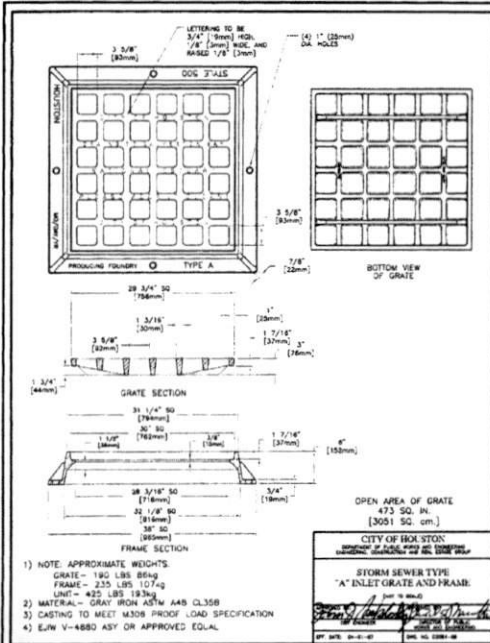
SHEET NO.

C2.1



APPROVED: *Magda*
Development Coordinator

DATE: 8/25/16



APPROVED: *Magi D. J.*
DATE: 8/25/11

C. ENG
Tel: 281.584.0800
Fax: 281.584.0801
info@cengcon.com
www.cengcon.com
TX FIRM REGISTRATION #: F-9871

PROJECT
Shenwari Warehouse Buildings
17401 Beechnut Street, Houston, TX 77083

REVISIONS

No.	DATE	DESCRIPTION
1	8/29/2010	FOR CONSTRUCTION
2	06/22/2016	FOR CONSTRUCTION
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CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
STORM SEWER TYPE "A" INLET GRATE
NOT TO SCALE
OFF DATE: 01-20-2010 INC NO: 02317-01

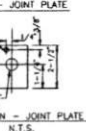
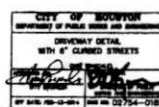
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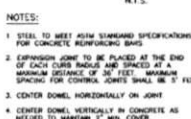
C. ENG. FILE NO: C16-537
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
SCALE: AS NOTED
PAGE TITLE: STORM, SEWER & WATER LINE DETAILS
SHEET NO.: C4.0





REVISIONS

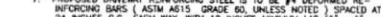
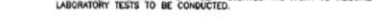
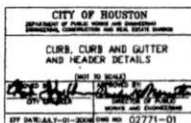
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COPYRIGHT ACT. THIS DRAWING IS PROTECTED UNDER



CITY OF HOUSTON	
DEPARTMENT OF PUBLIC WORKS AND CONSTRUCTION	
CONSTRUCTION, MAINTENANCE AND REPAIR, UTILITY PROJECTS	
PAYMENT EXPANSION AND CONSTRUCTION	
JOINT DETAILS	
(NOT TO SCALE)	
DESIGNED BY <i>[Signature]</i> CITY ENGINEER	APPROVED BY <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS AND CONSTRUCTION



<p>CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING Engineering, Construction and Risk Control Section</p>	
<p>SEAWALK EXPANSION AND CONSTRUCTION JOINT DETAILS (SEE 19 SEAD)</p>	
<p>DESIGNED BY  DATE: 01/11/01</p>	<p>CHECKED BY  DATE: 01/11/01</p>
<p>APPROVED BY  DATE: 01/11/01</p>	<p>APPROVED BY  DATE: 01/11/01</p>



Maggie 8/29/16



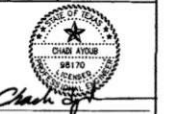
Tel: 281.584.0800
Fax: 281.584.0801
info@cengcon.com
www.cengcon.com

TX FIRM REGISTRATION #: 2-9871

PROJECT
Shenwari Warehouse Buildings
17401 Beechnut Street, Houston, TX 77083

REVISIONS

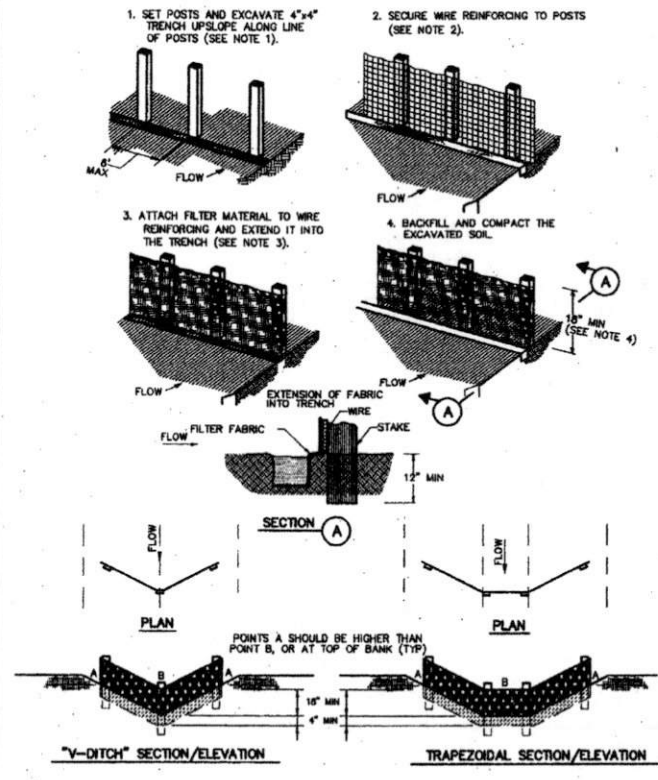
NO.	DATE	DESCRIPTION
1	01/29/2016	FOR CONSTRUCTION
2	04/22/2016	FOR CONSTRUCTION
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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHAD J. PAPP, P.E. WRITTEN ON 05/22/2016
C.ENG, F.I.R.B. C16-537
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
SCALE: AS NOTED
PAGE TITLE: SWPPP DETAILS

SHEET NO. C4.2

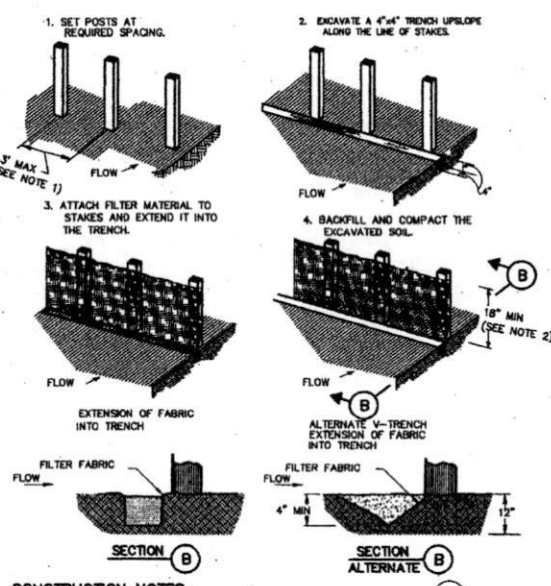
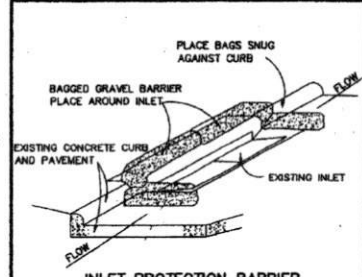
UNLESS INDICATED OTHERWISE, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
C.ENG, 4400 W. 17TH STREET, HOUSTON, TEXAS 77056



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

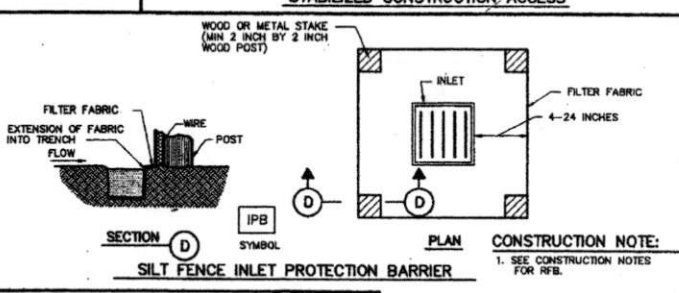
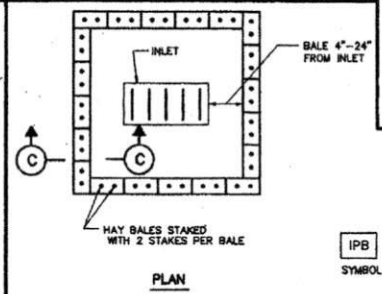


REINFORCED FILTER FABRIC BARRIER

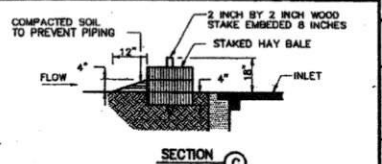


- CONSTRUCTION NOTES:**
- 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PREASSEMBLED BARRIER WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 6 FEET MAX.
 - ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
 - SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

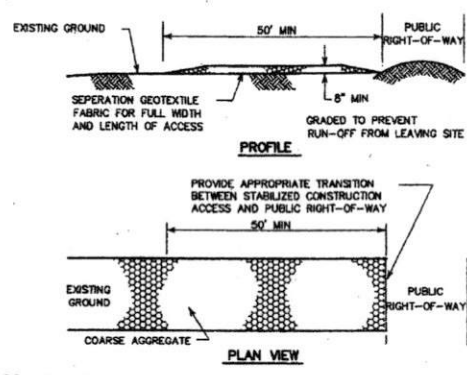
FILTER FABRIC BARRIER



- CONSTRUCTION NOTE:**
- SEE CONSTRUCTION NOTES FOR RFB.



HAY BALE INLET PROTECTION BARRIER



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

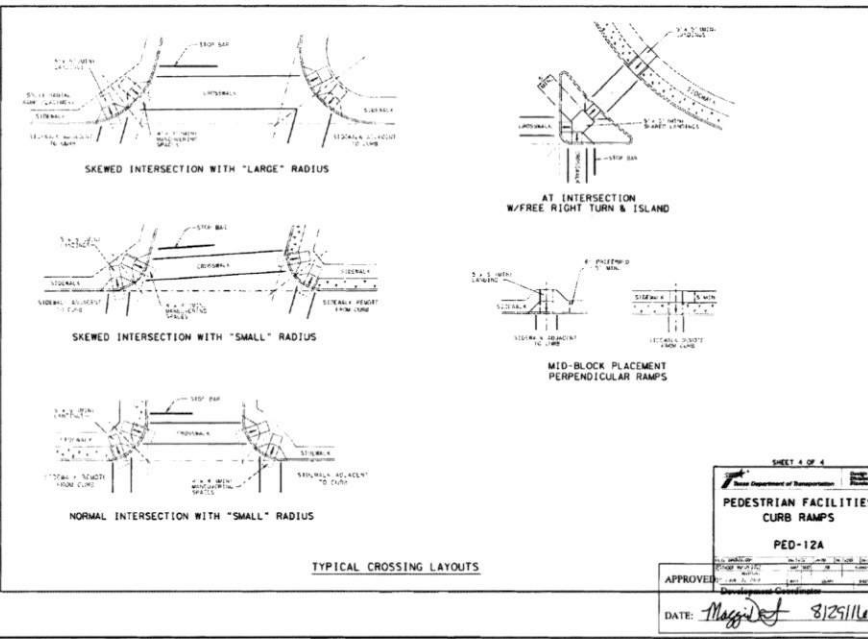
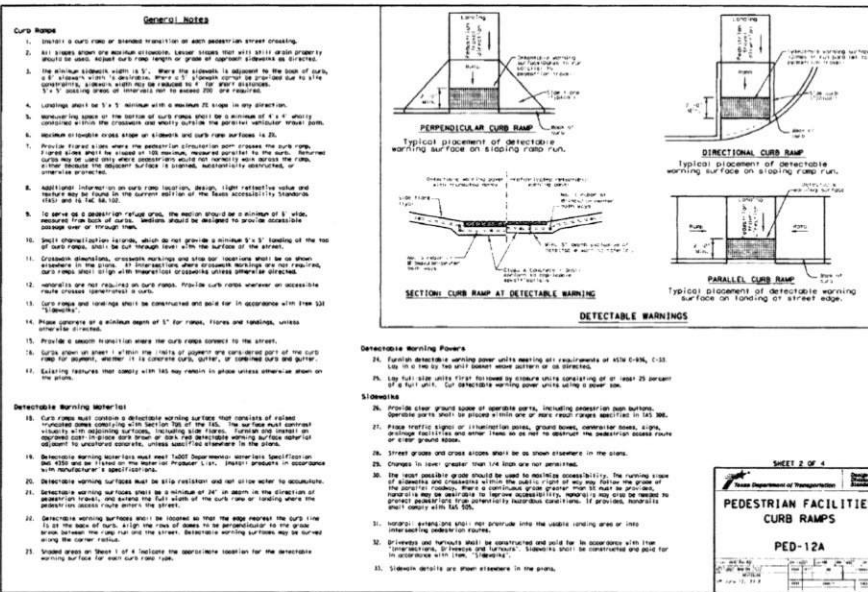
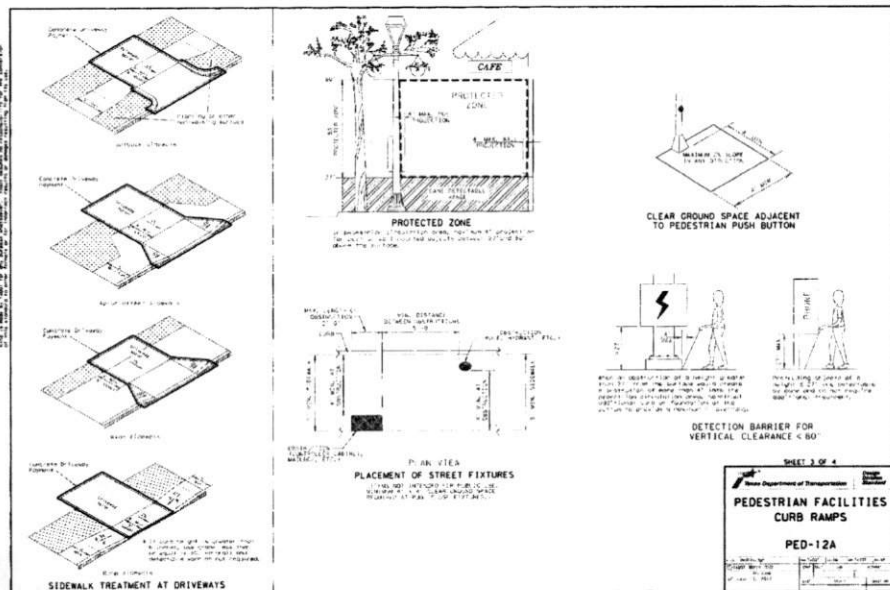
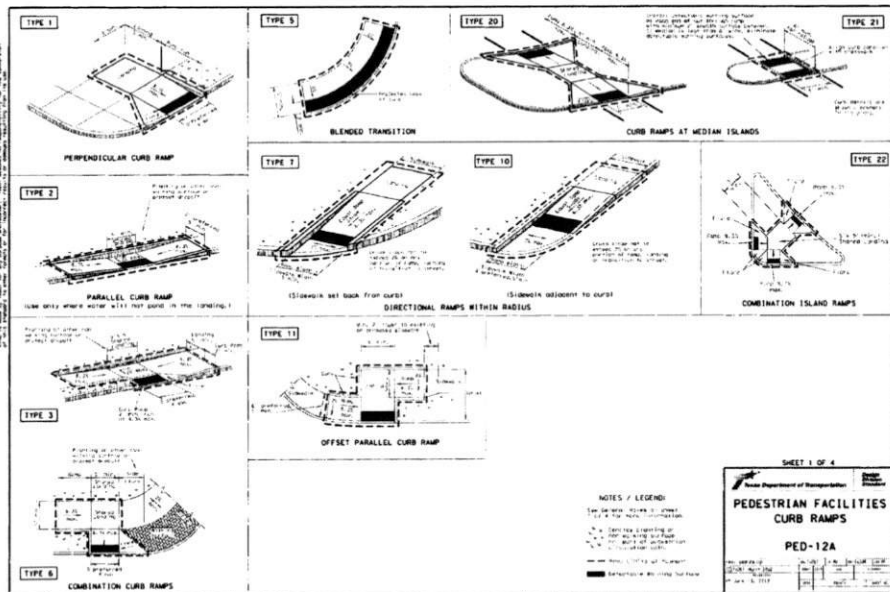


STABILIZED CONSTRUCTION ACCESS

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS
(NOT TO SCALE)

APPROVED BY: [Signature]
CITY ENGINEER
DATE: JULY-01-2010
DWG NO: 01571-01



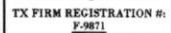
C.ENG
Tel: 281.584.0800
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TX FIRM REGISTRATION #: F-9871

PROJECT
Shenwari Warehouse Buildings
17401 Beechnut Street, Houston, TX 77083

REVISIONS		
NO.	DATE	DESCRIPTION
1	04/22/2014	FOR CONSTRUCTION
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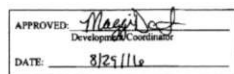
Check of
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHAK AYUON, P.E. 04/22/2014

C.ENG. FILE #: C16-577
DESIGNED BY: CA
CHECKED BY: CA
APPROVED BY: CA
SCALE: AS NOTED
PAGE TITLE: TXDOT PED-12A STANDARD DETAILS
SHEET NO.: C4.3



REVISIONS

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D. W. HALL, ENGINEER, A. C. ROBERTSON, DRAFTER



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.MSFC.FEMA.GOV.

SYMBOL TYPES

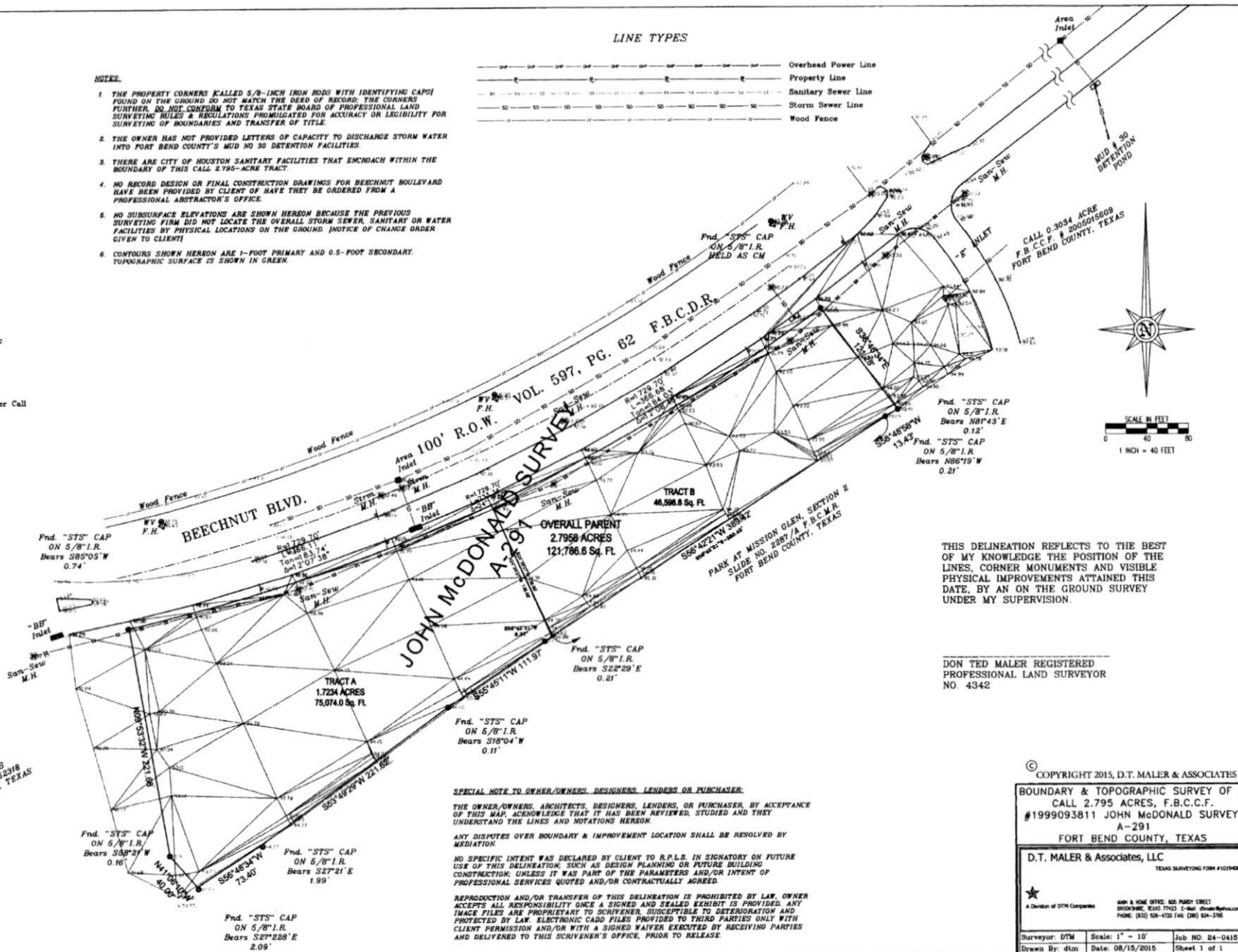
- ▲ - ADA Ramp
- - Air Conditioner
- - Area Light
- - "B" Inlet
- - "BB" Inlet
- - Back Flow Preventer
- - Benchmark/Horizontal Control
- - Bollard/Point
- - "C" Inlet
- - Clean Out
- - Controlling Monument
- - Decorative Electric Light
- - Electric Box/Breaker Union
- - Fire Hydrant/Flush Valve
- - Found Iron Pipe Size As Noted
- - Found Iron Rod Size As Noted
- - Gas Meter or Valve
- - Gate Control Arm (Roller Type)
- - Gate Control Arm (Roller Type)
- - Gate Control Box
- - Guy Anchor
- - Irrigation Control Box
- - Post/Type Size as Noted
- - Power Pole
- - Property Line
- - Sanitary Manhole
- - Septic Access Lid and/or Tank
- - Septic Controller Box
- - Set 1/2" I.R. w/Cap or As Noted
- - Sprinkler Head Irrigation/Septic
- - Storm Sewer Manhole
- - Street Light
- - Street Sign or as Noted
- - Telephone Pedestal
- - Transformer Pole
- - Water Faucet
- - Water Meter/Valve
- - Record Bearing/Distance-Adjoiner Call
- - Controlling Monument

NOTES:

1. THE PROPERTY CORNERS CALLED 5/8-INCH IRON RODS WITH IDENTIFYING CAPS FOUND ON THE GROUND DO NOT MATCH THE DEED OF RECORD. THE CORNERS FURTHER, DO NOT CONFORM TO TEXAS STATE BOARD OF PROFESSIONAL LAND SURVEYING RULES & REGULATIONS PROMULGATED FOR ACCURACY OR LEGIBILITY FOR SURVEYING OF BOUNDARIES AND TRANSFER OF TITLE.
2. THE OWNER HAS NOT PROVIDED LETTERS OF CAPACITY TO DISCHARGE STORM WATER INTO FORT BEND COUNTY'S MUD NO 30 DETENTION FACILITIES.
3. THERE ARE CITY OF HOUSTON SANITARY FACILITIES THAT ENCOMPASS WITHIN THE BOUNDARY OF THIS CALL 2.795-ACRE TRACT.
4. NO RECORD DESIGN OR FINAL CONSTRUCTION DRAWINGS FOR BEECHNUT BOULEVARD HAVE BEEN PROVIDED BY CLIENT OR HAVE THEY BE ORDERED FROM A PROFESSIONAL ABSTRACTOR'S OFFICE.
5. NO SUBSURFACE ELEVATIONS ARE SHOWN HEREON BECAUSE THE PREVIOUS SURVEYING FIRM DID NOT LOCATE THE OVERALL STORM SEWER, SANITARY OR WATER FACILITIES BY PHYSICAL LOCATIONS ON THE GROUND. NOTICE OF CHANGE ORDER GIVEN TO CLIENT.
6. CONTOURS SHOWN HEREON ARE 1-FOOT PRIMARY AND 0.5-FOOT SECONDARY. TOPOGRAPHIC SURFACE IS SHOWN IN GREEN.

LINE TYPES

- Overhead Power Line
- Property Line
- Sanitary Sewer Line
- Storm Sewer Line
- Wood Fence



THIS DELINEATION REFLECTS TO THE BEST OF MY KNOWLEDGE THE POSITION OF THE LINES, CORNER MONUMENTS AND VISIBLE PHYSICAL IMPROVEMENTS ATTAINED THIS DATE, BY AN ON THE GROUND SURVEY UNDER MY SUPERVISION.

DON TED MALER REGISTERED
PROFESSIONAL LAND SURVEYOR
NO. 4342

SPECIAL NOTE TO OWNER/OWNERS, DESIGNERS, LENDERS OR PURCHASER:

THE OWNER/OWNERS, ARCHITECTS, DESIGNERS, LENDERS, OR PURCHASER, BY ACCEPTANCE OF THIS MAP, ACKNOWLEDGE THAT IT HAS BEEN REVIEWED, STUDIED AND THEY UNDERSTAND THE LINES AND NOTATIONS HEREON.

ANY DISPUTES OVER BOUNDARY & IMPROVEMENT LOCATION SHALL BE RESOLVED BY MEDIATION.

NO SPECIFIC INTENT WAS DECLARED BY CLIENT TO R.P.L.S. IN SIGNATORY ON FUTURE USE OF THIS DELINEATION, SUCH AS DESIGN PLANNING OR FUTURE BUILDING CONSTRUCTION, UNLESS IT WAS PART OF THE PARAMETERS AND/OR INTENT OF PROFESSIONAL SERVICES QUOTED AND/OR CONTRACTUALLY AGREED.

REPRODUCTION AND/OR TRANSFER OF THIS DELINEATION IS PROHIBITED BY LAW. OWNER ACCEPTS ALL RESPONSIBILITY ONCE A SIGNED AND SEALED EXHIBIT IS PROVIDED. ANY IMAGE FILES ARE PROPRIETARY TO SCRIVENER, SUSCEPTIBLE TO DESTRUCTION AND PROTECTED BY LAW. ELECTRONIC CAD FILES PROVIDED TO THIRD PARTIES ONLY WITH CLIENT PERMISSION AND/OR WITH A SIGNED WAIVER EXECUTED BY RECEIVING PARTIES AND DELIVERED TO THIS SCRIVENER'S OFFICE, PRIOR TO RELEASE.

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BOUNDARY & TOPOGRAPHIC SURVEY OF A
CALL 2.795 ACRES, F.B.C.C.F.
#1999093811 JOHN McDONALD SURVEY,
A-291
FORT BEND COUNTY, TEXAS

D.T. MALER & Associates, LLC

TEXAS SURVEYING FORM #1029006

A Division of DTM Companies
MAIN & HOME OFFICE: 825 PERRY STREET
HOUSTON, TEXAS 77003 E-Mail: Don@dtm.com
PHONE: (832) 526-4720 FAX: (832) 526-3765

Surveyor: DTM Scale: 1" = 10'
Drawn By: dtn Date: 08/15/2015 Job No: 24-0410
Sheet 1 of 1

Maggi 8/29/16