



**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: 2018-20460

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: [REDACTED]

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

5/14/2018

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, Stone Castle Constructors, LLC whose (address, phone) is 3615 Almeda Genoa Road, Houston Texas 77047, (713)440-6224, hereinafter called the Principal, and RLI Insurance Company, a Corporation existing under and by virtue of the laws of the state of Delaware and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) 9025 N. Lindberg Drive, Peoria, IL 61615, (309)692-1000, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is William D. Baldwin and whose address is 5930 Preston View Blvd, Suite 200, Dallas, Texas 75240, 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 2nd day of May, 2018.


Stone Castle Constructors, LLC

PRINCIPAL

BY 

RLI Insurance Company

SURETY

BY  Blaine Allen, Attorney-in-Fact



RLI Insurance Company
P.O. Box 3967 Peoria, IL 61612-3967
Phone: 309-692-1000 Fax: 309-683-1610

Texas Policyholder Notice

TEXAS IMPORTANT NOTICE

To obtain information or make a complaint:

You may call **RLI Insurance Company's** toll free telephone number for information or to make a complaint at 800-645-2402.

You may also write to **RLI Insurance Company** at:

9025 N. Lindbergh Drive
Peoria, IL 61615
FAX # 309-683-1610

You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights or complaints at 1-800-252-3439.

You may also write the Texas Department of Insurance:

P.O. Box 149104
Austin, TX 78714-9104
Fax Number: (512) 490-1007
Web: www.tdi.texas.gov
E-mail: ConsumerProtection@tdi.texas.gov

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim, you should contact the agent first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR POLICY:

This notice is for information only and does not become a part or condition of the attached document.

TEXAS AVISO IMPORTANTE

Para obtener informacion o para presentar una queja:

Usted puede llamar al numero de telefono gratuito de **RLI Insurance Company** para obtener informacion o para presentar una queja al 800-645-2402.

Usted tambien puede escribir a **RLI Insurance Company**:

9025 N. Lindbergh Drive
Peoria, IL 61615
FAX # 309-683-1610

Usted puede comunicarse con el Departamento de Seguros de Texas para obtener informacion sobre companias, coberturas, derechos o quejas al 1-800-252-3439.

Usted puede escribir al Departamento de Seguros de Texas a:

P.O. Box 149104
Austin, TX 78714-9104
Fax Number: (512) 490-1007
Sitio web: www.tdi.texas.gov
E-mail: ConsumerProtection@tdi.texas.gov

DISPUTAS POR PRIMAS DE SEGUROS O RECLAMACIONES:

Si tiene una disputa relacionada con su prima de seguro o con reclamacion, usted debe comunicarse con el agente primero. Si la disputa no es resuelta, puede comunicarse con el Departamento de Seguros de Texas.

ADJUNTE ESTE AVISO A SU POLIZA:

Este aviso es solamente para propositos informativos y no se convierte en parte o en condicion del documento adjunto.

POWER OF ATTORNEY

RLI Insurance Company Contractors Bonding and Insurance Company

9025 N. Lindbergh Dr. Peoria, IL 61615
Phone: 800-645-2402

Know All Men by These Presents:

That this Power of Attorney is not valid or in effect unless attached to the bond which it authorizes executed, but may be detached by the approving officer if desired.

That **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, each an Illinois corporation, (separately and together, the "Company") do hereby make, constitute and appoint:

Blaine Allen, Russ Frenzel, William D. Baldwin, Brent Baldwin, jointly or severally

in the City of Dallas, State of Texas its true and lawful Agent(s) and Attorney(s) in Fact, with full power and authority hereby conferred, to sign, execute, acknowledge and deliver for and on its behalf as Surety, in general, any and all bonds and undertakings in an amount not to exceed Twenty Five Million Dollars (\$25,000,000.00) for any single obligation.

The acknowledgment and execution of such bond by the said Attorney in Fact shall be as binding upon the Company as if such bond had been executed and acknowledged by the regularly elected officers of the Company.

RLI Insurance Company and/or **Contractors Bonding and Insurance Company**, as applicable, have each further certified that the following is a true and exact copy of a Resolution adopted by the Board of Directors of each such corporation, and is now in force, to-wit:

"All bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or Agents who shall have authority to issue bonds, policies or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

IN WITNESS WHEREOF, the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, as applicable, have caused these presents to be executed by its respective Vice President with its corporate seal affixed this 25th day of January, 2018.



**RLI Insurance Company
Contractors Bonding and Insurance Company**

By: B. W. Davis
Barton W. Davis Vice President

State of Illinois }
County of Peoria } SS

CERTIFICATE

On this 25th day of January, 2018, before me, a Notary Public, personally appeared Barton W. Davis, who being by me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company** and acknowledged said instrument to be the voluntary act and deed of said corporation.

I, the undersigned officer of **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable; and furthermore, that the Resolution of the Company as set forth in the Power of Attorney, is now in force. In testimony whereof, I have hereunto set my hand and the seal of the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company** this 2nd day of May, 2018.

**RLI Insurance Company
Contractors Bonding and Insurance Company**

By: Jean M. Stephenson
Jean M. Stephenson Corporate Secretary

By: Gretchen L. Johnnigk
Gretchen L. Johnnigk Notary Public



CONSTRUCTION

OF

PLAYGROUND AT BARSKI PARK

FOR

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT No. 118

FORT BEND COUNTY, TEXAS

INDEX OF DRAWINGS

SHEET No.	GENERAL
1. G1	COVER SHEET & INDEX
2. G2	GENERAL NOTES
CIVIL	
3. C1	OVERALL LAYOUT & SWPPP
4. C2	SIDEWALK ALIGNMENT STA 0+00 TO STA 5+00
5. C3	UTILITY CONNECTIONS & DETAILS
6. C4	MISCELLANEOUS DETAILS
7. C5	EXISTING PLAYGROUND IMPROVEMENTS
8. C6	STORM WATER POLLUTION PREVENTION PLAN DETAILS
9. C7	TRAFFIC CONTROL PLAN

NOTES:

These plans were prepared to meet or exceed the specifications and requirements of Fort Bend County, Texas as currently amended, whichever is more stringent.

Approval by Fort Bend County will be deemed void if construction has not begun within one year of approval date.

Construction shall not begin before the plat of this section is filed in the Fort Bend County Map Records.

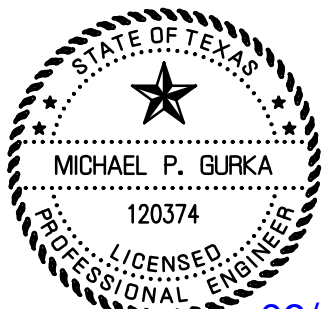
Construction will be monitored by a Registered Professional Engineer of JONES & CARTER, INC.

Contractor shall notify the Fort Bend County Engineering Department at least 48 hours prior to commencement at (281) 633-7500.

I, Michael P. Gurka, a Professional Engineer licensed in the State of Texas do hereby certify that these plans were prepared under my supervision to meet or exceed the specifications and requirements of Fort Bend County, Texas.

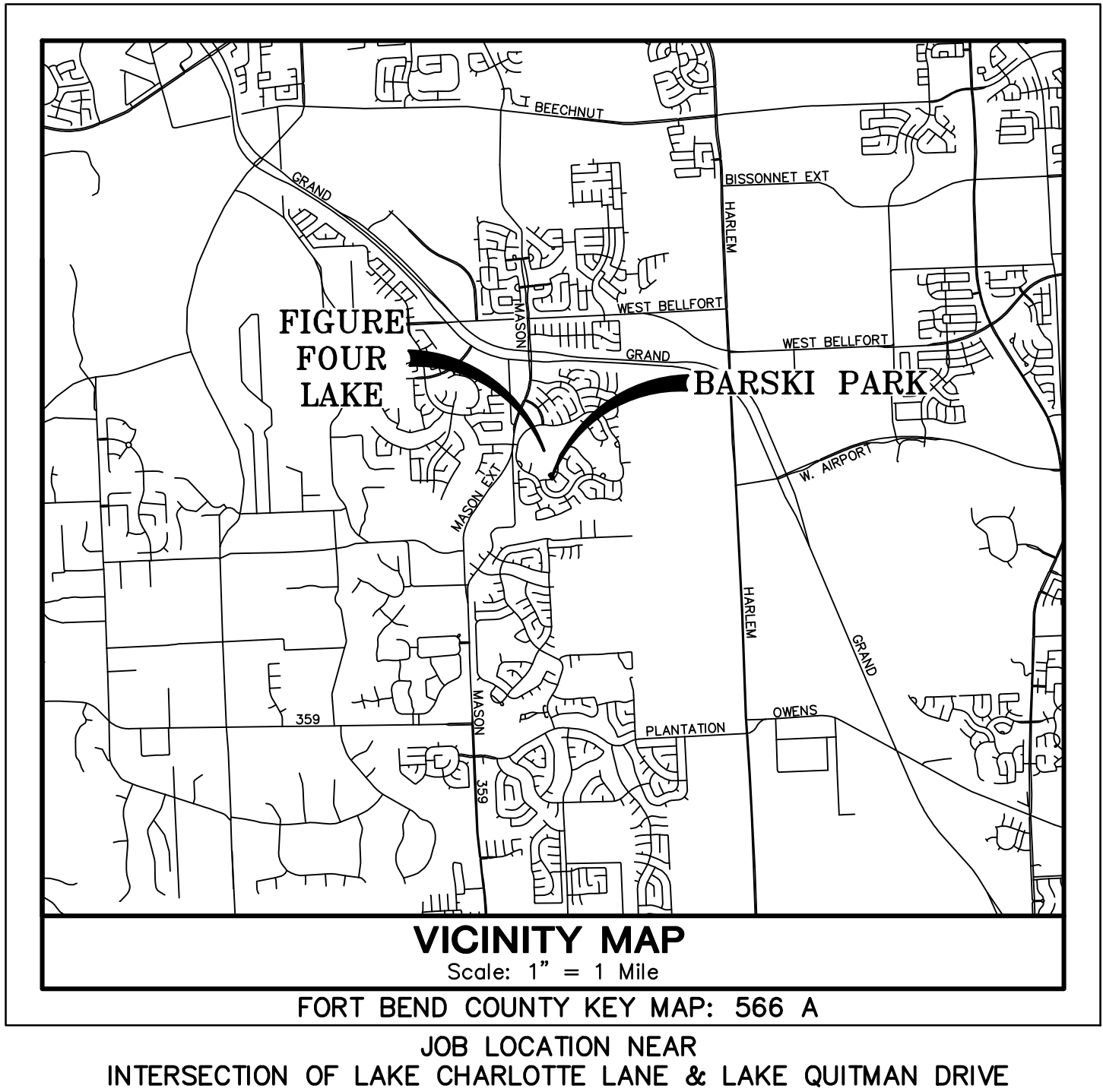
Michael P. Gurka 03/12/2018
Michael P. Gurka, P.E. Date

TEXAS811 NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!!
www.texas811.org/
Texas811 or 1-800-545-6005


03/12/2018
Michael P. Gurka

MARCH 2018
JC JOB No. 14421-0016-00

 JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



FORT BEND COUNTY ENGINEER

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

DATE: 4/6/18

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

APPROVED: *Casandra D. Le*
for Development Coordinator

DATE: 4-5-18

FORT BEND COUNTY M.U.D. No. 118 - PLAYGROUND AT BARSKI PARK

JONES | CARTER
BELLAIRE, TEXAS

0 1 2 3 4 5 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

GENERAL CONSTRUCTION NOTES

1. WASTEWATER COLLECTION SYSTEMS, WATER, PAVING, TRAFFIC SIGNALS AND DRAINAGE SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING CITY DOCUMENTS. THESE DOCUMENTS ARE "STANDARD CONSTRUCTION SPECIFICATIONS" (MOST RECENT ISSUE 2016) AND "STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING" (MOST RECENT ISSUE 2017) WITH ALL SUBSEQUENT AMENDMENTS ADDED THERETO UNLESS OTHERWISE NOTED AND APPROVED ON THESE PLANS. THE DESIGN MUST AGREE WITH THE MINIMUM STANDARDS ESTABLISHED IN THE LATEST ISSUE OF THE "INFRASTRUCTURE DESIGN MANUAL" (MOST RECENT ISSUE 2017).
2. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE EXISTING PUBLIC OR PRIVATE UTILITY LINES, INCLUDING BUT NOT LIMITED TO WATER LINES, WASTEWATER COLLECTION SYSTEMS AND STORM SEWERS, DURING CONSTRUCTION. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING "STANDARD CONSTRUCTION SPECIFICATIONS" WITH LATEST ADDENDA AND AMENDMENTS THERETO, WITH NO COST TO THE PUBLIC OR OWNER.
3. THE APPROXIMATE LOCATION OF EXISTING UTILITIES ARE GIVEN FOR REFERENCE ONLY. BEFORE COMMENCING THE WORK ON THIS CONTRACT, THE CONTRACTOR SHALL VERIFY BY FIELD INVESTIGATION THE ACTUAL LOCATIONS OF ALL UTILITY FACILITIES WITHIN AND ADJACENT TO THE LIMITS OF THE WORK THAT MAY BE AFFECTED BY THE WORK. CONFLICTS WHICH RESULT DUE TO NEGLIGENCE BY THE CONTRACTOR TO LOCATE, HORIZONTALLY AND VERTICALLY, EXISTING UTILITIES WHICH ARE SHOWN ON THE CONSTRUCTION DRAWINGS, OR WHICH THE CONTRACTOR HAS BEEN GIVEN NOTICE OR HAS KNOWLEDGE, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF REMEDIAL WORK, REMOVAL OF PORTIONS OF THE WORK OR EXTENSIVE DESIGN CHANGES OCCASIONED BY THE FAILURE OF THE CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UTILITIES AS DESCRIBED ABOVE SHALL BE BORNE BY THE CONTRACTOR.
4. CONTRACTOR SHALL OBTAIN ALL APPLICABLE CITY, STATE, COUNTY, AND FEDERAL PERMITS, AND PROVIDE TO ENGINEER.
5. CONTRACTOR SHALL COMPLY WITH O.S.H.A. REGULATIONS AND TEXAS STATE LAW CONCERNING TRENCH SAFETY SYSTEMS.
6. CONTRACTOR TO FOLLOW CONSTRUCTION DETAILS IF DRAWINGS DEViate FROM CITY OF HOUSTON STANDARDS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING AND RESTORING ALL EXISTING FACILITIES OR ANY OFF-SITE AREAS AFFECTED BY THIS CONSTRUCTION PROJECT TO EXISTING OR BETTER CONDITION, UNLESS OTHERWISE NOTED, AT NO ADDITIONAL COST TO THE OWNER.
8. THIS PROJECT IS WITHIN FORT BEND COUNTY, TEXAS.
9. CONTRACTOR SHALL PERFORM WORK IN A MANNER TO LIMIT NOISE FROM CONSTRUCTION TO ACCEPTABLE LEVELS FOR PROPERTIES ADJACENT TO THE CONSTRUCTION AREA.
10. CONTRACTOR SHALL KEEP EXISTING STREETS AND ROADS OPEN TO ALL TRAFFIC AND CLEANED DAILY OF MATERIAL DEPOSITED BY CONSTRUCTION VEHICLES.
11. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND SAFE ACCESS TO DRAINAGE WAYS, SIDEWALKS OR PASSAGE WAYS ADJACENT TO THE CONSTRUCTION AREA.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING RED LINE RECORD DRAWINGS AT THE COMPLETION OF THIS PROJECT AS PER SPECIFICATIONS.
13. THE COST OF REMEDIAL WORK, REMOVAL OF PORTIONS OF THE WORK OR EXTENSIVE DESIGN CHANGES OCCASIONED BY FAILURE OF THE CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UTILITIES AS DESCRIBED IN NOTE 3 ABOVE SHALL BE BORNE BY THE CONTRACTOR.
14. AUTHORIZATION NOTICE ISSUED BY FORT BEND COUNTY IS REQUIRED PRIOR TO CONSTRUCTION OF UTILITIES WITHIN FORT BEND COUNTY RIGHT-OF-WAY. CONTACT MR. RICHARD STOLLEIS, P.E. (281 633-7500).
15. THESE PLANS PREPARED BY JONES & CARTER, INC. DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE JONES & CARTER, INC. REGISTERED PROFESSIONAL ENGINEER(S) HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. THE CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEM(S).
16. CONTRACTOR TO NOTIFY MR. ALBERT LAZCANO, P.E., (JONES & CARTER, INC.) AT (713)-777-5337 EXT. 2467 FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION.

CONTRACTOR WORK ZONE NOTES

1. CONTRACTOR WILL BE REQUIRED TO MAINTAIN TWO LANES OPEN WHEN WORKING IN BOULEVARD SECTIONS. RESIDENTIAL SECTIONS WILL MAINTAIN ONE LANE OPEN WITH ADEQUATE SIGNAGE AND/OR FLAGMEN TO FACILITATE USE OF THE LANE.
2. DRIVEWAY ACCESS WILL BE MAINTAINED OPEN AFTER WORKING HOURS. A MINIMUM OF ONE DRIVEWAY ACCESS WILL BE MAINTAINED OPEN AT ALL TIMES TO COMMERCIAL, APARTMENTS, AND/OR NON-RESIDENTIAL DEVELOPMENTS.
3. THE LENGTH OF THE WORK ZONE MUST BE MINIMIZED WITHIN THE STREET ROW OR EASEMENTS. THERE SHALL NOT BE MORE THAN 200-FEET OF TRENCH OPEN AT ANY ONE TIME. THE CONSTRUCTION ZONE WILL BE A ROLLING CONSTRUCTION ZONE WITH APPROPRIATE TRANSITIONS ON EACH END.
4. SIGNALIZED INTERSECTIONS: LANES WILL NOT BE CLOSED AT A SIGNALIZED INTERSECTION, UNLESS APPROVED BY THE PROGRAM MANAGER. AN APPROPRIATE TRANSITION AS DEFINED IN THE TRAFFIC CONTROL PLAN WILL BE PROVIDED AT SIGNALIZED INTERSECTIONS.
5. TEMPORARY PAVEMENT MARKERS: TEMPORARY EPOXY-GLUED BUTTONS OR "CONSTRUCTION GRADE" TAPE PAVEMENT MARKERS SHOULD BE USED ON PERMANENT PAVEMENT TO REMAIN IN-PLACE TO ELIMINATE GRINDING AND SCARRING OF THE SURFACE.
6. PEDESTRIAN TRAFFIC: CARE SHALL BE TAKEN TO PROVIDE FOR TEMPORARY PEDESTRIAN TRAFFIC AND CROSSING AT AREAS SUCH AS SCHOOLS, PARKS, AND SHOPPING AREAS.

FORT BEND COUNTY
CONSTRUCTION – GENERAL NOTES

1. FORT BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETING.
2. 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 FORTBENDCOUNTYTX.GOV.
3. 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.
4. 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.
5. ALL ROAD WIDTHS, CURB RADII AND CURB ALIGNMENT SHOWN INDICATES BACK OF CURB.
6. A CONTINUOUS LONGITUDINAL REINFORCING BAR SHALL BE USED IN THE CURBS.
7. ALL CONCRETE PAVEMENT SHALL BE 5 / 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.
8. ALL WEATHER ACCESS TO ALL EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
9. 4"x12" REINFORCED CONCRETE CURB SHALL BE PLACED IN FRONT OF SINGLE FAMILY LOTS ONLY. ALL OTHER AREAS SHALL BE 6" REINFORCED CONCRETE CURB.
10. AT ALL INTERSECTION LOCATIONS, TYPE 7 RAMPS SHALL BE PLACE 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.
11. CURB HEADERS ARE REQUIRED AT CURB CONNECTIONS TO HANDICAP RAMPS, WITH NO CONSTRUCTION JOINT WITHIN 5' OF RAMPS.
12. ALL INTERSECTIONS UTILIZING TRAFFIC CONTROL MEASURES SHALL HAVE A.D.A. WHEEL CHAIR RAMPS INSTALLED.
13. 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.
14. ALL R1-1 STOP SIGNS SHALL BE 30"x30" WITH DIAMOND GRADE SHEETING PER TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
15. 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.
16. 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.
17. 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.

DISTRICT NOTES

1. ALL LINE WORK IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. CALL THE DISTRICT OPERATOR, MR. BART DOWNUM, WITH ENVIRONMENTAL DEVELOPMENT PARTNERS AT (713) 395-3200 FOR INSPECTIONS.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT OPERATOR AT LEAST 48-HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO ANY FINAL INSPECTIONS.
4. FORT BEND COUNTY MUD NO. 118 APPROVAL TO BE OBTAINED PRIOR TO ANY CONNECTIONS OF THE EXISTING STREET.
5. CONTRACTOR SHALL USE EXTREME CARE WHEN CONNECTING TO THE EXISTING STREET. ANY DAMAGE INFLECTED TO EXISTING FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE TO EXISTING OR BETTER CONDITION. COORDINATE WITH DISTRICT OPERATOR AT LEAST 48-HOURS PRIOR TO CONNECTION TO STREET.

PAVING CONSTRUCTION NOTES

1. PAVEMENT SHALL BE IN ACCORDANCE WITH THE "REGULATIONS OF FORT BEND COUNTY, TEXAS FOR THE APPROVAL AND ACCEPTANCE OF INFRASTRUCTURE" AND/OR AMENDMENTS OF SAME.
2. THE CONTRACTOR(S) SHALL NOTIFY FORT BEND COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT- ENGINEERING DIVISION- PERMIT OFFICE, TWENTY-FOUR (24) HOURS IN ADVANCE OF COMMENCING UTILITY AND/OR PAVING CONSTRUCTION AT EMAIL: CONSTRUCTION@FORTBENDCOUNTYTX.GOV AND WRITTEN NOTIFICATION FORTY-EIGHT (48) HOURS IN ADVANCE OF COMMENCING CONSTRUCTION.
3. ALL RETURNS SHALL HAVE A 25-FOOT RADIUS AT FACE OF CURB UNLESS OTHERWISE NOTED. ALL ROAD WIDTHS, CURB RADII AND CURB ALIGNMENT SHOWN INDICATES BACK OF CURB.
4. GUIDELINES SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" SHALL BE OBSERVED.
5. ALL INTERSECTIONS SHALL BE CONSTRUCTED WITH WHEELCHAIR RAMPS IN ACCORDANCE WITH THE GOVERNOR'S OFFICE OF TRAFFIC SAFETY MEMORANDUM DATED MAY 6, 1976. (HIGHWAY SAFETY ACT - 1973 SECTION 288). SEE TxDOT PED-05 SHEET. WHEELCHAIR RAMPS SHALL COMPLY WITH CURRENT "THE AMERICANS WITH DISABILITIES ACT" (A.D.A.) SPECIFICATIONS. RAMPS TO BE COLORED WITH A COLOR TO BE DETERMINED BY THE ENGINEER CONFORMING TO ASTM-C979.
6. ALL FILL IN EXISTING OR PROPOSED FORT BEND COUNTY RIGHT-OF-WAY, INCLUDING BACKDRESSING BEHIND THE CURB, SHALL BE PLACED IN MAXIMUM LOOSE LIFTS OF EIGHT INCHES (8") OR LESS AND COMPACTED TO 95% OF MAXIMUM DENSITY AT -3% TO +5% MOISTURE CONTENT AS DETERMINED BY AASHTO TEST METHOD T-99.
7. ALL CONCRETE PAVEMENT TO BE 25-FOOT B-B SIX (5) INCH REINFORCED CONCRETE WITH SIX (6) INCH REINFORCED CONCRETE CURBS, UNLESS OTHERWISE NOTED. ALL CONCRETE FOR PAVING TO BE 5 1/2 SACK, 3000 PSI - 28 DAYS.
8. PAVEMENT REINFORCEMENT FOR 25-FOOT B-B SIX (5) INCH REINF. CONCRETE SHALL BE #4, GRADE 60 STEEL REBARS ON 20.5-INCH CENTERS FOR LONGITUDINAL STEEL AND ON 36-INCH CENTERS FOR TRANSVERSE STEEL. REINFORCEMENT SHALL BE PLACED ON CHAIRS SPACED 36" CENTER TO CENTER. BENT BARS SHALL BE GRADE 40.
9. REFER TO THE LATEST FORT BEND COUNTY PAVEMENT MARKING DETAILS AND FORT BEND COUNTY SUBDIVISION STANDARD PAVING DETAILS DATED NOVEMBER 15, 2005.
10. SIDEWALK BULLNOSES CONSTRUCTED IN ESPLANADES SHALL BE SIX INCHES (6") THICK WITH SURFACE COLORED BLACK, WHEN CURBS ARE TEN FEET (10') AND LESS IN WIDTH FROM FACE-TO-FACE OF CURBS. FOR CONCRETE ROADWAYS, SURFACE SHALL BE COLORED BLACK. FOR ASPHALT ROADWAYS, SURFACE SHALL BE UNCOLORED.
11. WHEEL CHAIR RAMPS SHALL BE TYPE '7' RAMPS. SEE TxDOT PED-12A DETAIL SHEET.

PLAYGROUND NOTES

1. PROJECT REFERENCES BCI BURKE CUSTOM PLAYGROUND SET OR APPROVED EQUAL BY THE BOARD OF DIRECTORS OF FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 118.
2. PROJECT REFERENCES USA SHADE STRUCTURE WITH HIP 40X40X10 POSTS OR APPROVED EQUAL BY THE BOARD OF DIRECTORS OF FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 118.
3. THE PLAYGROUND STRUCTURE FEATURES A VARIETY OF PLAY EQUIPMENT FOR 5-12 YEAR OLDS.
4. THE PLAYGROUND STRUCTURE FEATURES ADA ACCESSIBLE EQUIPMENT AND SENSORY PLAY EQUIPMENT.
5. ENGINEERED WOOD FIBER IS REQUIRED PER SPECIFICATIONS 11000.
6. CONTRACTOR REQUIRED TO SUBMIT DRAWINGS OF THE PROPOSED PLAYGROUND EQUIPMENT PRIOR TO ISSUING PURCHASE ORDER.

CENTERPOINT ENERGY (NOTES):

CAUTION: UNDERGROUND GAS FACILITIES

LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTRASTATE PIPELINE, LLC. WHERE APPLICABLE) ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. SERVICE LINES ARE USUALLY NOT SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 945-8036 OR (713)-945-8037 (7:00 A.M. TO 4:30 P.M.) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.
- FOR EMERGENCIES REGARDING GAS LINES CALL (713) 659-3552 OR (713) 207-4200.

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

WARNING: OVERHEAD ELECTRICAL LINES

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

- ANY ACTIVITY WHERE PERSON OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND
- OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.

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

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

AT&T TEXAS/SWBT FACILITIES:

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

PRIVATE UTILITY LINES SHOWN AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567. TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222.			
NOTICE: For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This verification does not fulfill your obligation to call 811.			
VERIFICATION OF PRIVATE UTILITY LINES			
Signature: <i>Amor</i>		Date: 3/20/18	
CenterPoint Energy/Natural Gas Facilities Verification ONLY (This Signature verifies that you have shown CNP Natural Gas lines on-site - not to be used for conflict verification.) (See service lines are not shown.) Signature valid for 60 months.			
Signature: <i>Amor</i>		Date: 3/20/18	
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This Signature verifies that you have shown underground facilities - not to be used for conflict verification.) Signature valid for 60 months.			
Signature: <i>cmc</i>		Date: 3-21-18	
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.			
NO.	DATE	REVISIONS	APP.

FORT BEND COUNTY M.U.D. No. 118
FORT BEND COUNTY, TEXAS

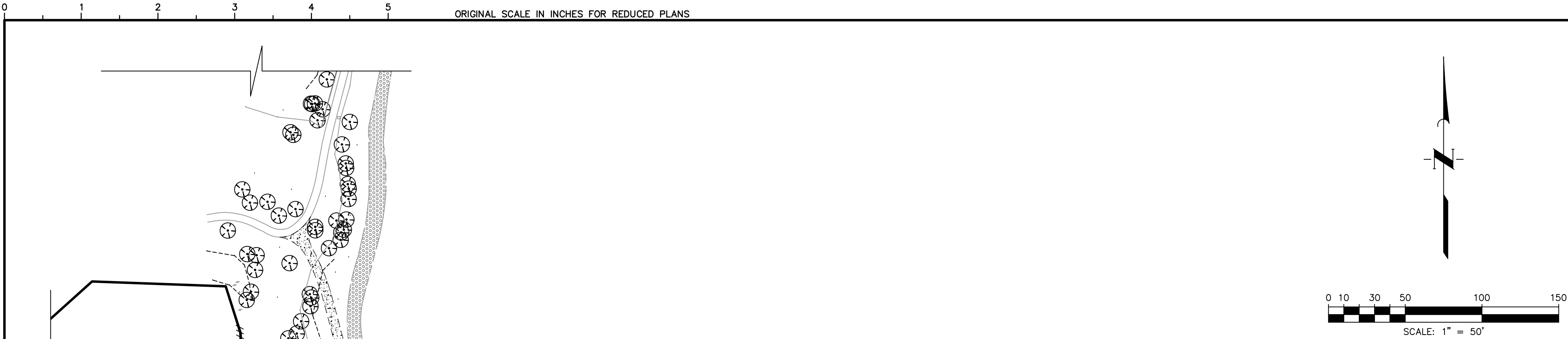
PLAYGROUND AT BARKS PARK

GENERAL NOTES

J/C JONES & CARTER	
Texas Board of Professional Engineers Registration No. F-439 6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713-777-5337	
SCALE: AS SHOWN	DGN. BY: MPGURKA
DATE: MARCH 2018	DWN. BY: JADELAUNE
JOB NO. 14421-0016-00	DWG. NO. _____
SUBMITTED: _____	SURV. BY: _____
	F.B. NO. _____
	
Michael P. Gurka 03/12/2018	
G2	
SHEET NO. 2 OF 9	



APPROVED: _____ Development Coordinator
DATE: _____



100-YEAR FLOOD PLAIN
ACCORDING TO MAP NO. 48157C0140L OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAPS FOR FORT BEND COUNTY, TEXAS, DATED APRIL 2, 2014, THE TOPO AREA IS SITUATED WITHIN: ZONE "AE" DESCRIBED AS A SPECIAL FLOOD HAZARD AREA SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT (100-YEAR FLOOD) WITH BASE FLOOD ELEVATIONS DETERMINED, FLOODWAY AREAS IN ZONE "AE" DEFINED AS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENTS SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS AND UNSHADED ZONE "X" DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN (500-YEAR FLOOD).

BENCH MARK
ELEVATIONS SHOWN HEREON ARE BASED ON FORT BEND COUNTY BENCHMARK NO. 88 LOCATED AT THE INTERSECTION OF THURMOND LAKE DRIVE AND EASTLAND LAKE DRIVE WITH A PUBLISHED ELEVATION OF 83.78 FEET, NAVD 88.

T.B.M. "A"
TBM A BEING A SET CUT SQUARE ON A BB INLET LOCATED ON THE NORTHWEST CORNER OF LAKE CHARLOTTE LANE AND LAKE QUITMAN DRIVE.
ELEVATION = 84.21 FEET, NAVD 88.

NOTES:

- CONTRACTOR TO LIMIT ACCESS OF HEAVY EQUIPMENT WITHIN AREA SHOWN FOR CONSTRUCTION OF PAVILION AND SIDEWALK.
- CONTRACTOR IS RESPONSIBLE FOR SITE REPAIRS DUE TO DAMAGE FROM EQUIPMENT.
- CONTRACTOR TO REPLACE ANY DAMAGED TREE AND/OR IRRIGATION SYSTEM TO EXISTING OR BETTER CONDITION.
- LAYDOWN AREA NOT TO EXCEED 4,500 SQUARE FEET AND IS TO REMAIN A MINIMUM OF 15' AWAY FROM EXISTING FENCE LINES.

LEGEND:

	FUTURE		EXISTING		PROPOSED
	EDGE OF PAVEMENT		WATER LINE		SANITARY SEWER LINE
	STORM WATER LINE		TREE		MANHOLE
	STORM INLET		BB-INLET		SIGN
	WATER VALVE		LIGHT POLE		PLAYGROUND SIGN
	BACKFLOW METER		FILTER FABRIC FENCE		STABILIZED CONSTRUCTION ACCESS

PRIVATE UTILITY LINES SHOWN
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.
TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-227-2222.

NOTICE:
For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This verification does not fulfill your obligation to call 811.

VERIFICATION OF PRIVATE UTILITY LINES

	Date: 3/20/18
CenterPoint Energy/Natural Gas Facilities Verification ONLY. (This Signature verifies that you have shown CNP Natural Gas lines accurately - not to be used for conflict verification.) (See service lines are not shown.) Signature Valid for six months.	
	Date: 3/20/18
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This Signature verifies existing underground facilities - not to be used for conflict verification.) Signature Valid for six months.	
	Date: 3-21-18
Approved for AT&T Texas/SWBT underground conduit facilities only. Signature valid for one year.	

NO.	DATE	REVISIONS	APP.

FORT BEND COUNTY M.U.D. No. 118
FORT BEND COUNTY, TEXAS

PLAYGROUND AT BARSKI PARK

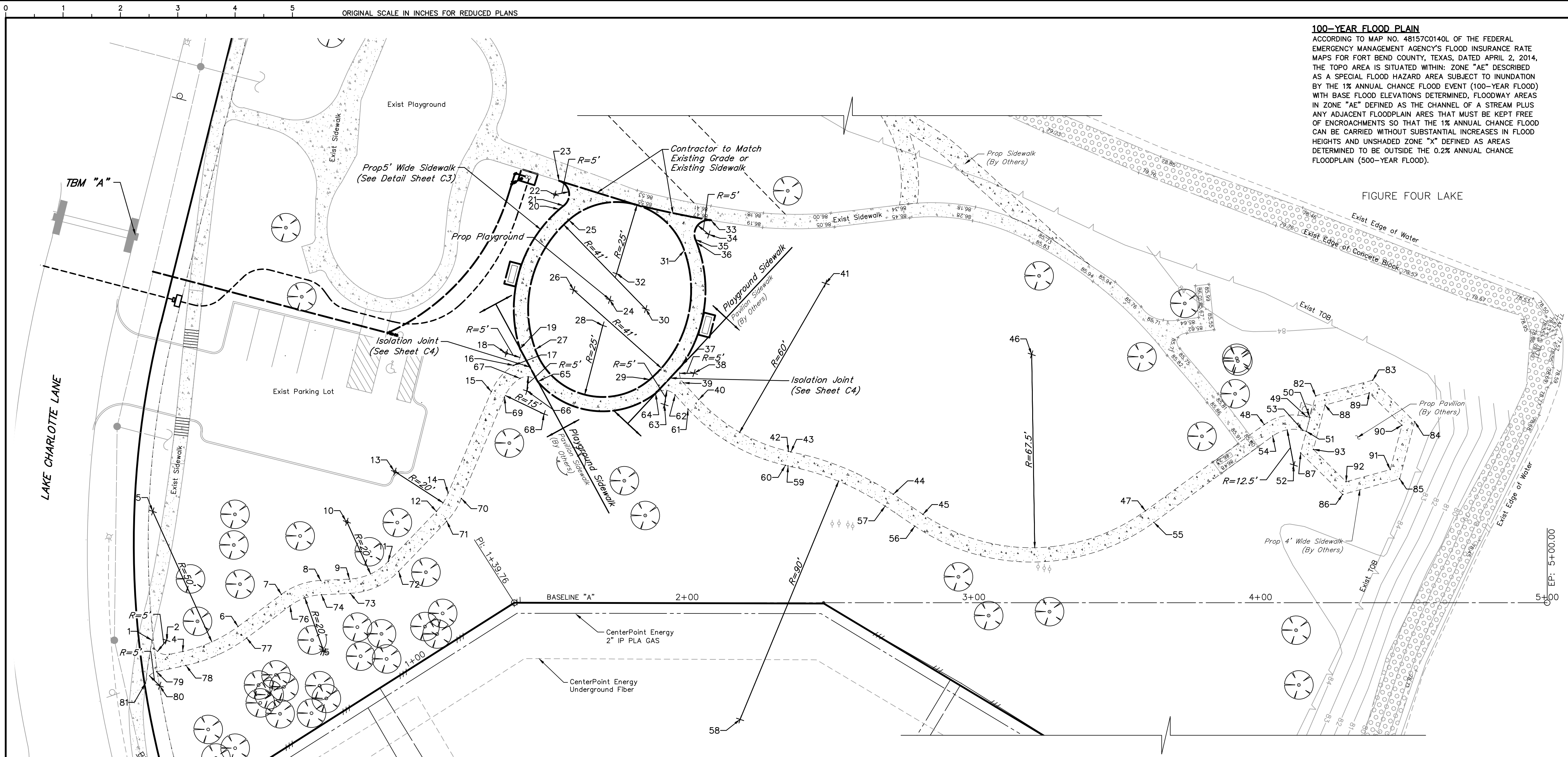
OVERALL LAYOUT & SWPPP

J/C JONES CARTER
Texas Board of Professional Engineers Registration No. F-439
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713-777-5337

SCALE: 1"=50' DGN. BY: MPGURKA
DATE: MARCH 2018 DWN. BY: JADELAUNE
JOB NO. 14421-0016-00 DWG. NO. _____
SUBMITTED: _____ SURV. BY: _____
F.B. NO. _____

Michael P. Gurka
03/12/2018
C1

APPROVED: _____
Development Coordinator
DATE: _____



100-YEAR FLOOD PLAIN
ACCORDING TO MAP NO. 48157C0140L OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAPS FOR FORT BEND COUNTY, TEXAS, DATED APRIL 2, 2014, THE TOPO AREA IS SITUATED WITHIN: ZONE "AE" DESCRIBED AS A SPECIAL FLOOD HAZARD AREA SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT (100-YEAR FLOOD) WITH BASE FLOOD ELEVATIONS DETERMINED, FLOODWAY AREAS IN ZONE "AE" DEFINED AS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENTS SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS AND UNSHADED ZONE "X" DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN (500-YEAR FLOOD).

BENCH MARK
ELEVATIONS SHOWN HEREON ARE BASED ON FORT BEND COUNTY BENCHMARK NO. 88 LOCATED AT THE INTERSECTION OF THURMOND LAKE DRIVE AND EASTLAND LAKE DRIVE WITH A PUBLISHED ELEVATION OF 83.78 FEET, NAVD 88.
T.B.M. "A"
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ELEVATION = 84.21 FEET, NAVD 88.

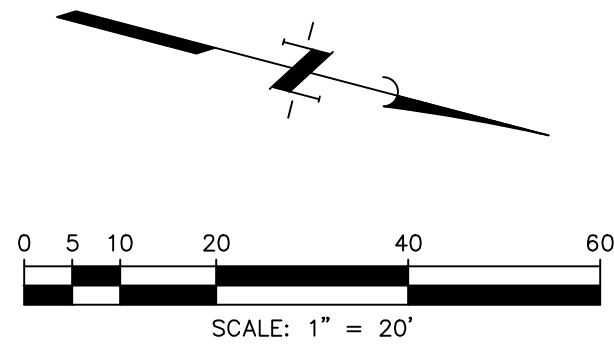


FIGURE FOUR LAKE

FORT BEND COUNTY
APPROVED
APR 05 2018
Valid One Year
From Date
ENGINEERING DEPARTMENT
APPROVED: _____
Development Coordinator
DATE: _____

PRIVATE UTILITY LINES SHOWN
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.
TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222.
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For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This verification does not fulfill your obligation to call 811.
VERIFICATION OF PRIVATE UTILITY LINES
[Signature] Date: 3/20/18
CenterPoint Energy/Natural Gas Facilities Verification ONLY.
(This Signature verifies that you have shown CNP Natural Gas lines accurately - not to be used for conflict verification.) (Gas service lines are not shown.)
[Signature] Date: 3/20/18
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.
(This Signature verifies existing underground facilities - not to be used for conflict verification.)
Signature valid for six months.
[Signature] Date: 3-21-18
Approved for AT&T Texas/SWB/T underground conduit facilities only.
Signature valid for one year.

PROP PLAYGROUND SIDEWALK

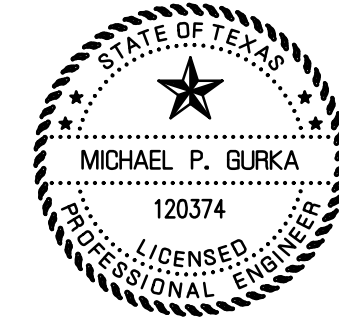
NUMBER	STATION	OFFSET	TOC
19	1+41.73'	-88.614'	86.55
20	1+55.48'	-137.268'	86.55
21	1+56.99'	-138.526'	86.55
22	1+53.88'	-142.443'	86.55
23	1+55.34'	-147.226'	86.55
24	1+72.99'	-105.720'	86.56
25	1+58.77'	-133.508'	86.56
26	1+60.44'	-109.102'	86.56
27	1+47.10'	-88.372'	86.56
28	1+70.64'	-96.771'	86.56
29	1+87.02'	-77.879'	86.56
30	1+85.59'	-102.492'	86.56
31	1+99.04'	-122.924'	86.56
32	1+75.39'	-114.828'	86.55
33	2+08.37'	-133.411'	86.47
34	2+07.60'	-128.517'	86.47
35	2+02.92'	-126.743'	86.47
36	2+03.36'	-125.668'	86.47
37	1+98.29'	-82.964'	86.55
64	1+89.06'	-73.088'	86.55
65	1+47.93'	-77.172'	86.55

PROP PAVILION SIDEWALK (BY OTHERS)

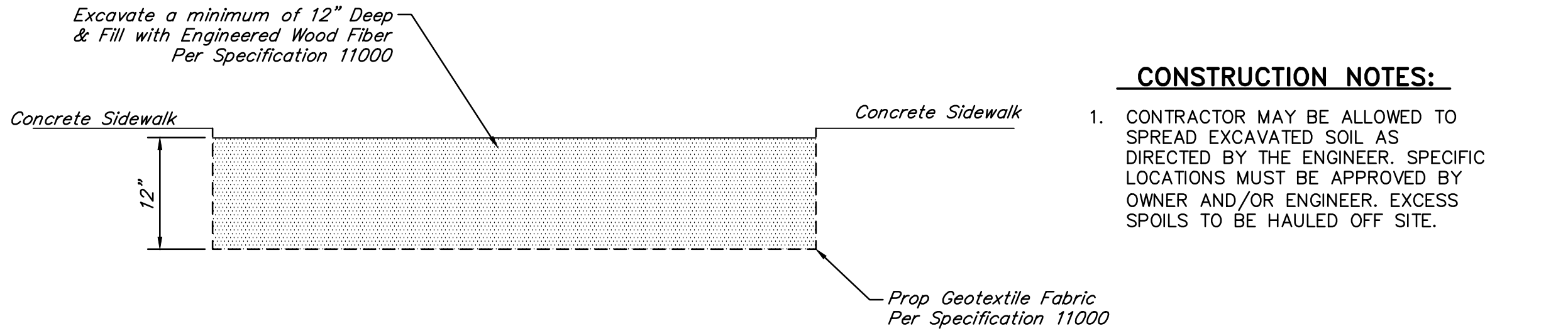
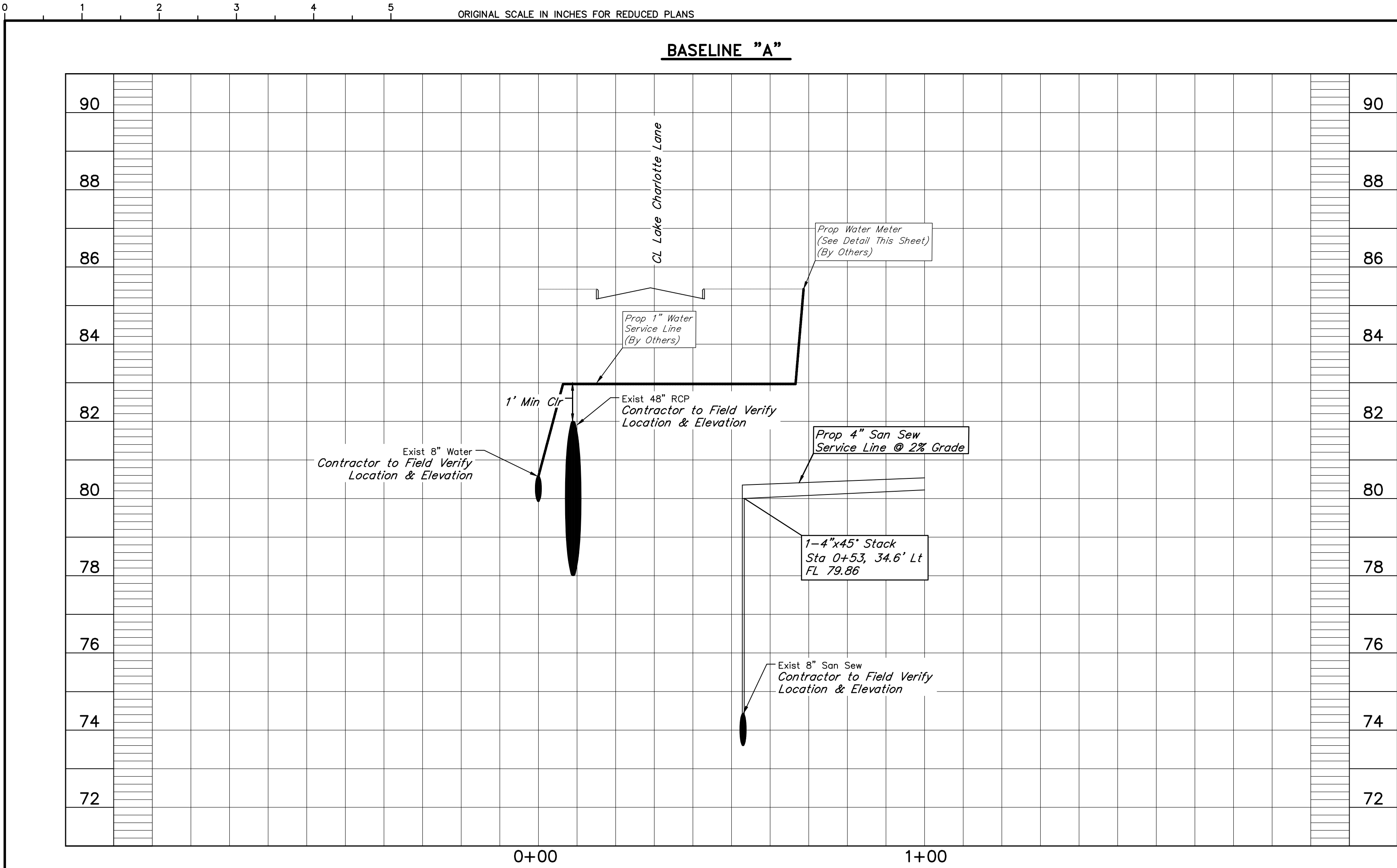
NUMBER	STATION	OFFSET	TOC	NUMBER	STATION	OFFSET	TOC	NUMBER	STATION	OFFSET	TOC	NUMBER	STATION	OFFSET	TOC
1	0+26.07'	-56.625'	86.5	38	2+02.41'	-80.123'	86.5	58	2+18.51'	40.711'	86.4	78	0+31.31'	-42.902'	86.6
2	0+30.28'	-53.940'	86.5	39	1+98.72'	-76.748'	86.5	59	2+35.19'	-47.729'	86.6	79	0+21.52'	-46.516'	86.6
3	0+28.55'	-49.250'	86.5	40	2+04.07'	-70.906'	86.5	60	2+34.32'	-47.923'	86.6	80	0+19.79'	-41.820'	86.6
4	0+33.04'	-47.592'	86.5	41	2+48.33'	-111.412'	86.4	61	2+00.38'	-67.530'	86.5	81	0+16.13'	-45.234'	86.6
5	0+50.37'	-94.493'	86.5	42	2+35.40'	-52.823'	86.5	62	1+95.81'	-72.517'	86.5	82	4+19.24'	-72.223'	85.7
6	0+53.96'	-44.622'	86.5	43	2+36.19'	-52.647'	86.5	63	1+92.13'	-69.141'	86.5	83	4+39.13'	-77.654'	85.7
7	0+72.73'	-45.972'	86.5	44	2+71.92'	-37.872'	86.2	64	1+89.06'	-73.088'	86.55	84	4+53.78'	-63.143'	85.7
8	0+86.91'	-42.751'	86.5	45	2+82.25'	-30.842'	86.2	65	1+47.93'	-77.172'	86.55	85	4+48.54'	-43.202'	85.7
9	0+95.65'	-37.763'	86.5	46	3+20.20'	-86.666'	86.1	66	1+44.14'	-73.905'	86.55	86	4+28.65'	-37.771'	85.7
10	1+05.56'	-55.135'	86.5	47	3+59.88'	-32.067'	85.9	67	1+41.75'	-78.293'	86.55	87	4+14.00'	-52.281'	85.7
11	1+10.34'	-35.714'	86.5	48	4+01.33'	-62.195'	85.8	68	1+50.13'	-65.855'	86.6	88	4+22.52'	-68.972'	85.8
12	1+33.88'	-41.506'	86.5	49	4+16.07'	-64.965'	85.7	69	1+39.76'	-71.805'	86.6	89	4+37.96'	-73.187'	85.8
13	1+29.11'	-60.927'	86.5	50	4+17.26'	-64.653'	85.7	70	1+39.76'	-40.773'	86.6	90	4+49.33'	-61.927'	85.8
14	1+39.76'	-44.691'	86.5	51	4+15.98'	-59.819'	85.7	71	1+35.08'	-36.651'	86.6	91	4+45.26'	-46.452'	85.8
15	1+39.76'	-74.116'	86.5	52	4+11.62'	-48.040'	85.9	72	1+11.53'	-30.858'	86.6	92	4+29.82'	-42.238'	85.8
16	1+39.76'	-82.811'	86.55	53	4+14.80'	-60.129'	85.7	73	0+93.17'	-33.420'	86.6	93	4+18.46'	-53.498'	85.8
17	1+39.76'	-82.867'	86.55	54	4+04.27'	-58.151'	85.9	74	0+84.43'	-38.408'	86.6				
18	1+39.76'	-87.151'	86.55	55	3+62.82'	-28.022'	86	75	0+74.52'	-21.037'	86.6				
19	1+41.73'	-88.614'	86.55	56	2+79.44'	-26.707'	86.3	76	0+73.09'	-40.985'	86.6				
37	1+98.29'	-82.964'	86.55	57	2+69.10'	-33.721'	86.3	77	0+54.31'	-39.635'	86.6				

NOTES:

- CONTRACTOR SHALL NOT DAMAGE ANY EXISTING TREES WITHIN THE WORK AREA.
- CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THIS AREA DUE TO PROXIMITY TO RESIDENTIAL HOMES AND EXISTING PLAY AREA.
- CONTRACTOR MAY BE ALLOWED TO SPREAD EXCAVATED SOIL ON SITE IN LOW AREAS, AS DIRECTED BY THE ENGINEER. SPECIFIC LOCATIONS MUST BE APPROVED BY OWNER AND/OR ENGINEER. EXCESS SPOILS TO BE HAULED OFF SITE.
- IF CONTRACTOR IS THE FIRST TO INSTALL SIDEWALK, PROVIDE DOWELS FOR FUTURE SIDEWALK.

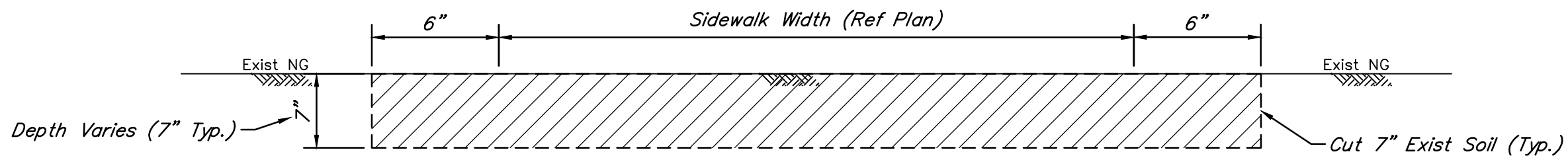


Michael P. Gurka
03/12/2018



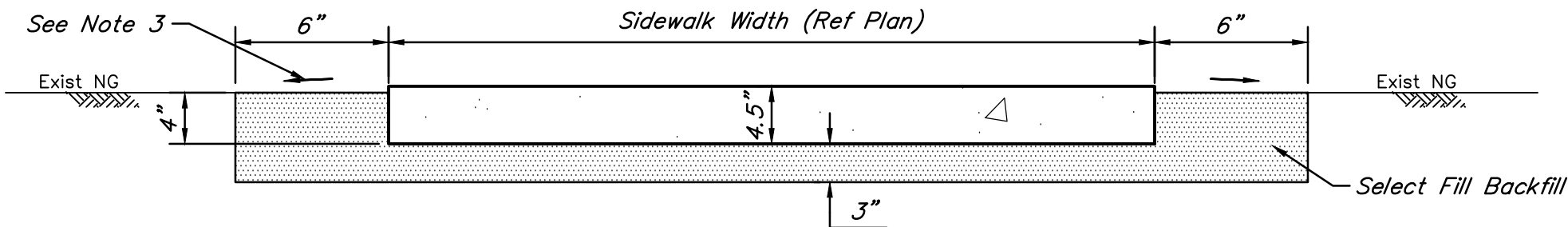
CONSTRUCTION NOTES:

1. CONTRACTOR MAY BE ALLOWED TO SPREAD EXCAVATED SOIL AS DIRECTED BY THE ENGINEER. SPECIFIC LOCATIONS MUST BE APPROVED BY OWNER AND/OR ENGINEER. EXCESS SPOILS TO BE HAULED OFF SITE.



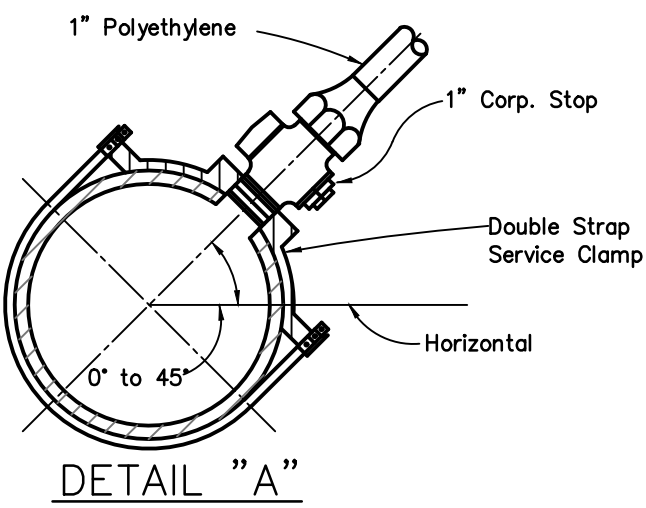
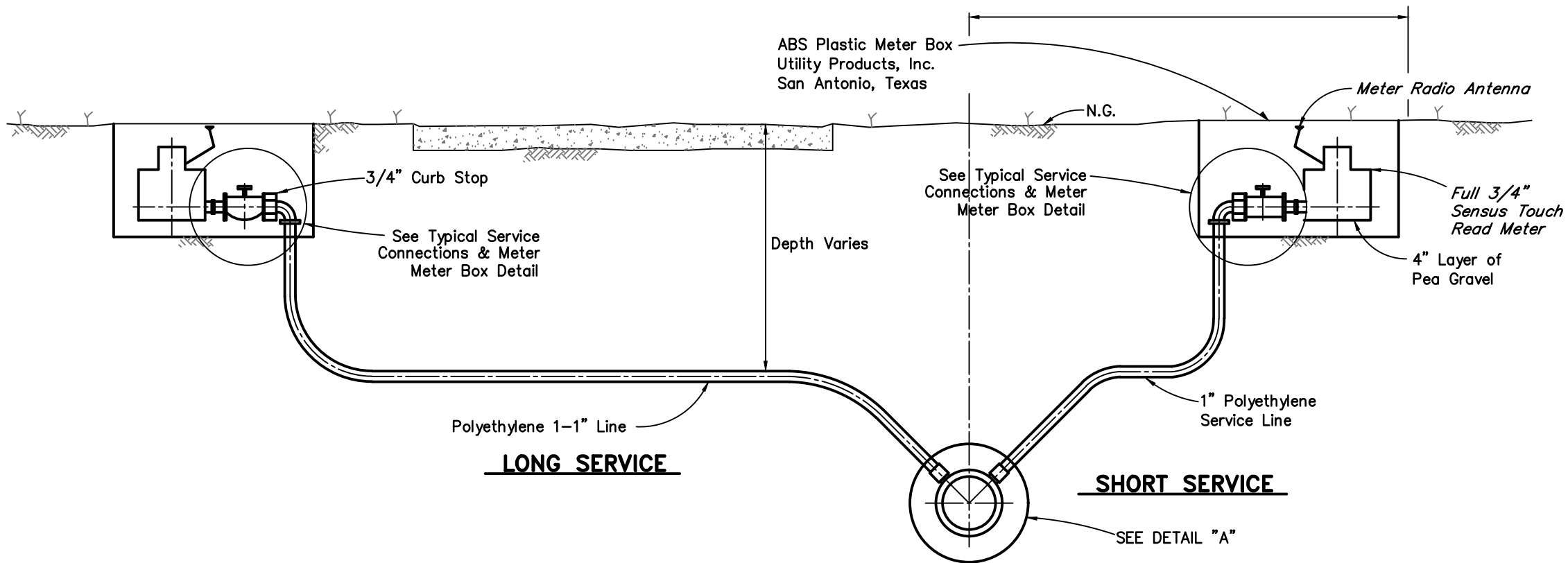
CUT DETAIL

NOT TO SCALE



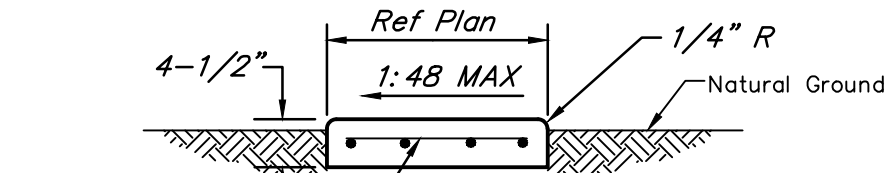
BEDDING & BACKFILL DETAIL

NOT TO SCALE



**RESIDENTIAL SERVICE
CONNECTION**

NOT TO SCALE



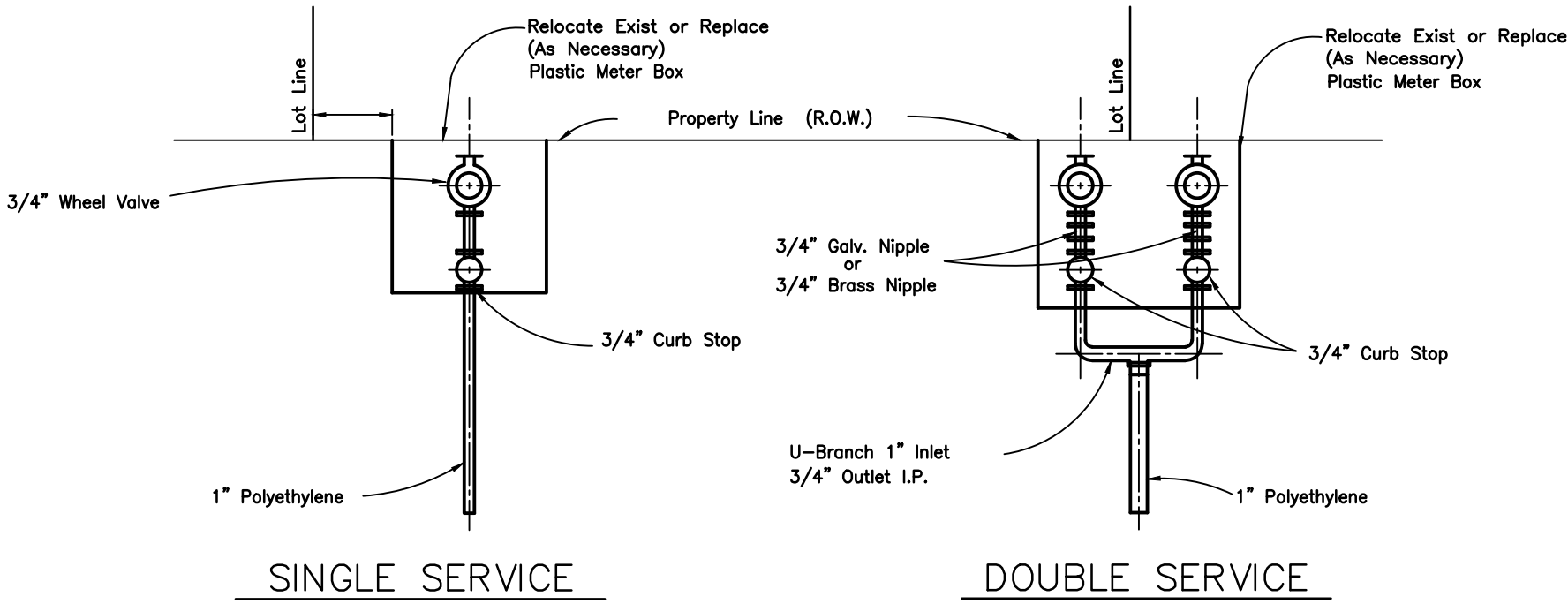
5'x4' - W1.4 Welded
Wire Fabric, Flat Sheets
Only or #3 Bars @ 18"
O.C.E.W.

NOTE:

Provide construction joints at every 5' and expansion joints at every 40' (see details this sheet).

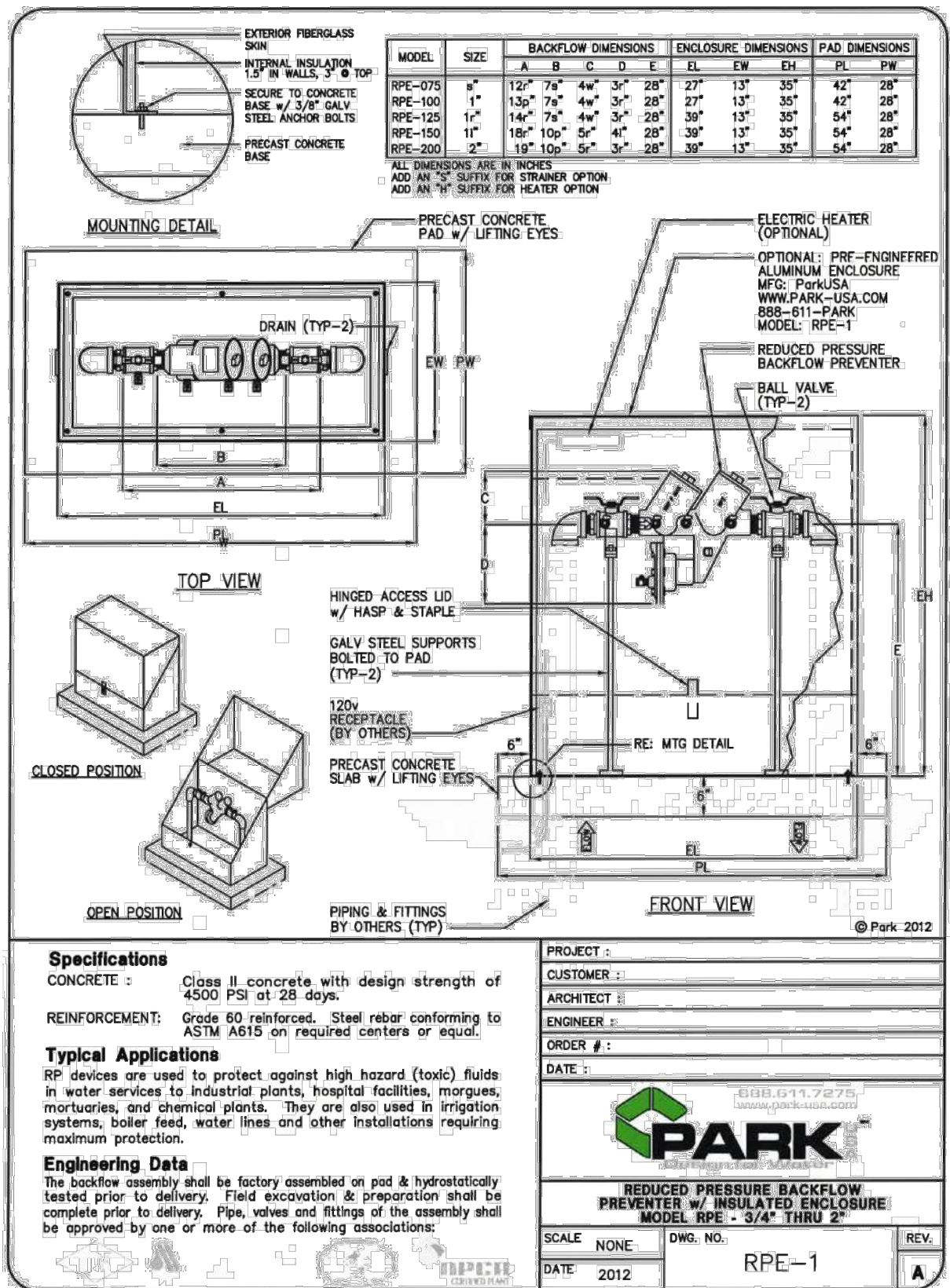
TYPICAL CONCRETE SIDEWALK DETAIL

NOT TO SCALE



**TYPICAL SERVICE CONNECTIONS
& METER BOX**

NOT TO SCALE



* OR APPROVED EQUAL



APPROVED: Development Coordinator

DATE:

NO.	DATE	REVISIONS	APP.

FORT BEND COUNTY M.U.D. No. 118
FORT BEND COUNTY, TEXAS

PLAYGROUND AT BARSKI PARK

**UTILITY CONNECTIONS &
DETAILS**

J/C JONES CARTER

Texas Board of Professional Engineers Registration No. F-439
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

SCALE: AS SHOWN DGN. BY: MPGURKA

DATE: MARCH 2018 DWN. BY: JADELAUNE

JOB NO. 14421-0016-00 DWG. NO.

SUBMITTED: SURV. BY:

F.B. NO.



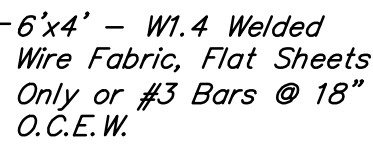
Michael P. Gurka
03/12/2018



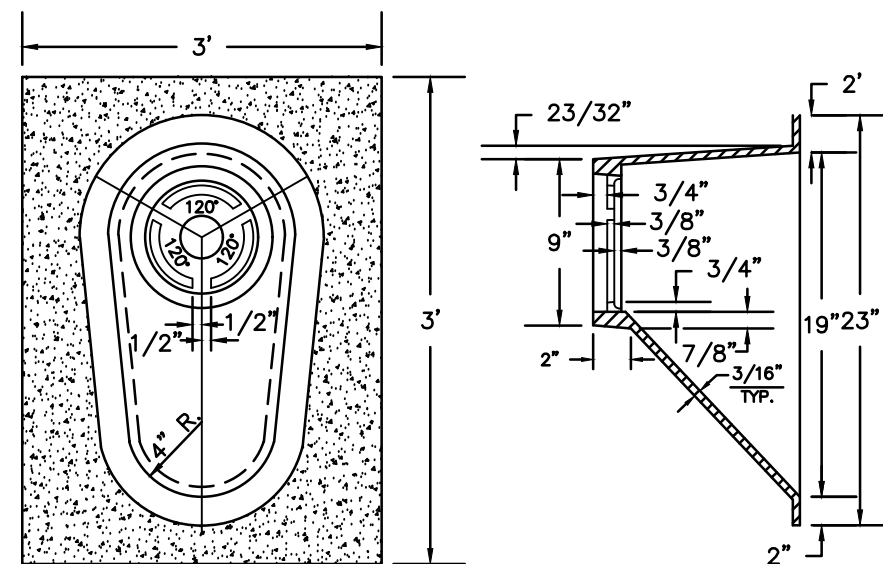
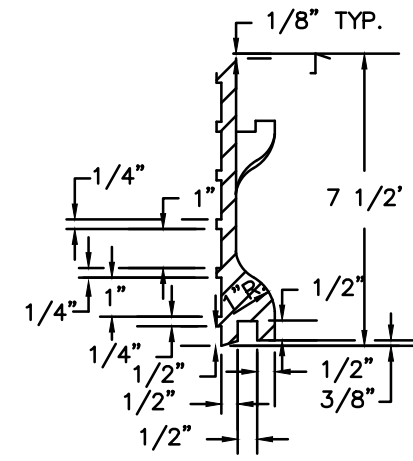
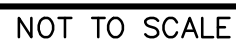
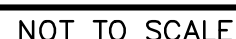
FOR VISUAL CLARITY ONLY.
SEE SPECIFICATION 11001



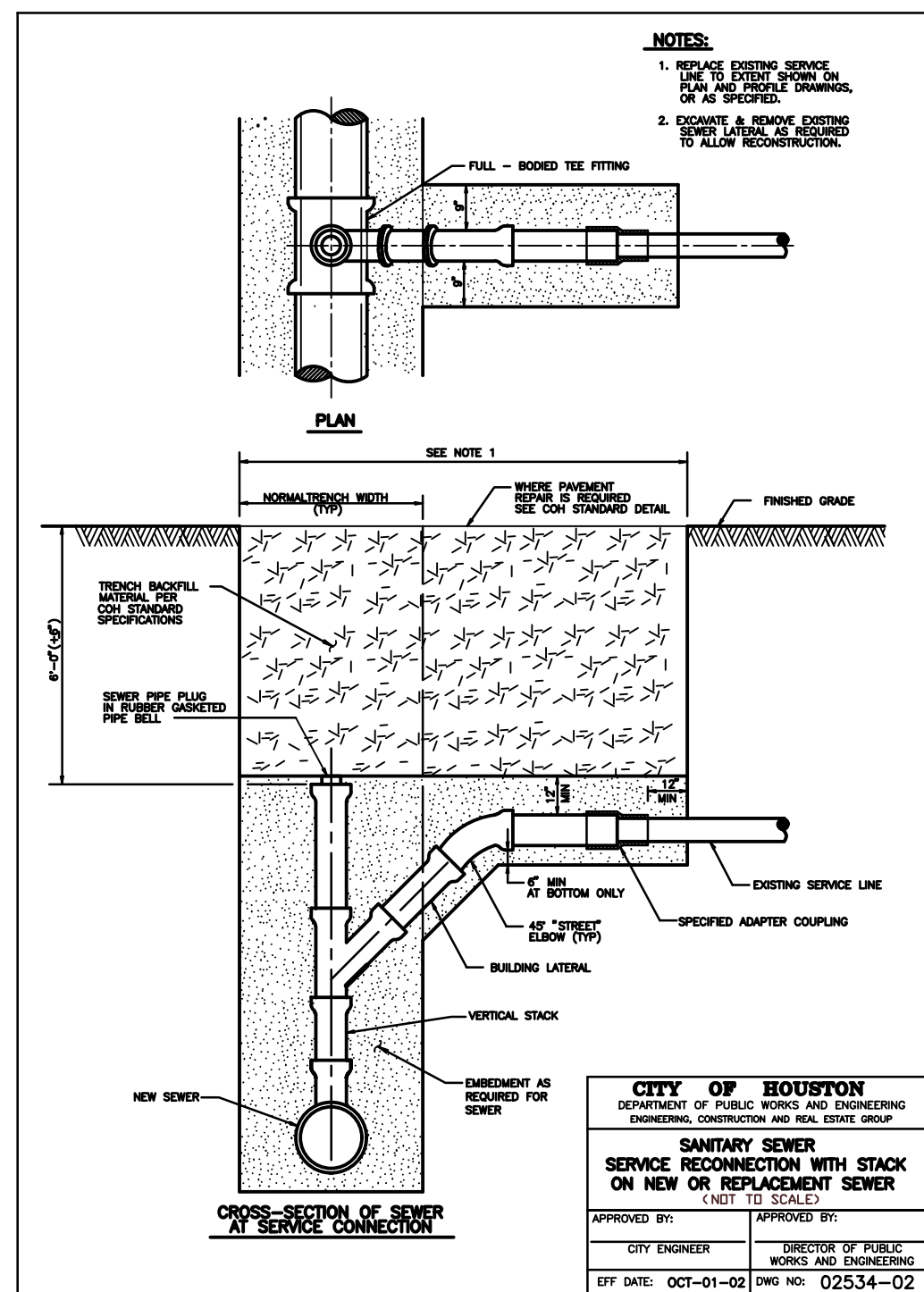
FOR VISUAL CLARITY ONLY. PROPOSED BENCHES TO MATCH EXISTING BENCHES AT EXISTING PLAYGROUND. BENCH TO BE 6' SINGLE SIDED BENCH WITH 4"x4" CEDAR OR APPROVED EQUAL. SEE SPECIFICATION 11002



NOT TO SCALE

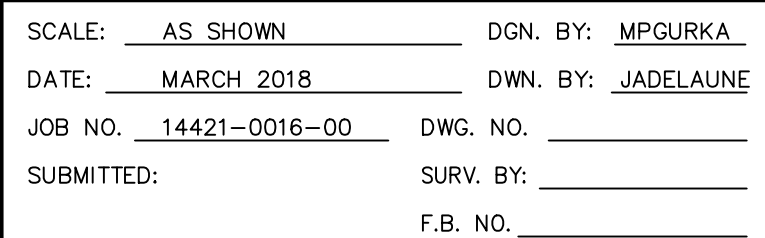


NOT TO SCALE



FORT BEND COUNTY M.U.D. No. 118
FORT BEND COUNTY, TEXAS

MISCELLANEOUS DETAILS



0 1 2 3 4 5 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



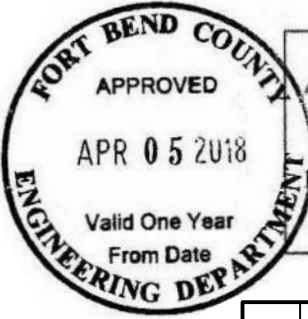
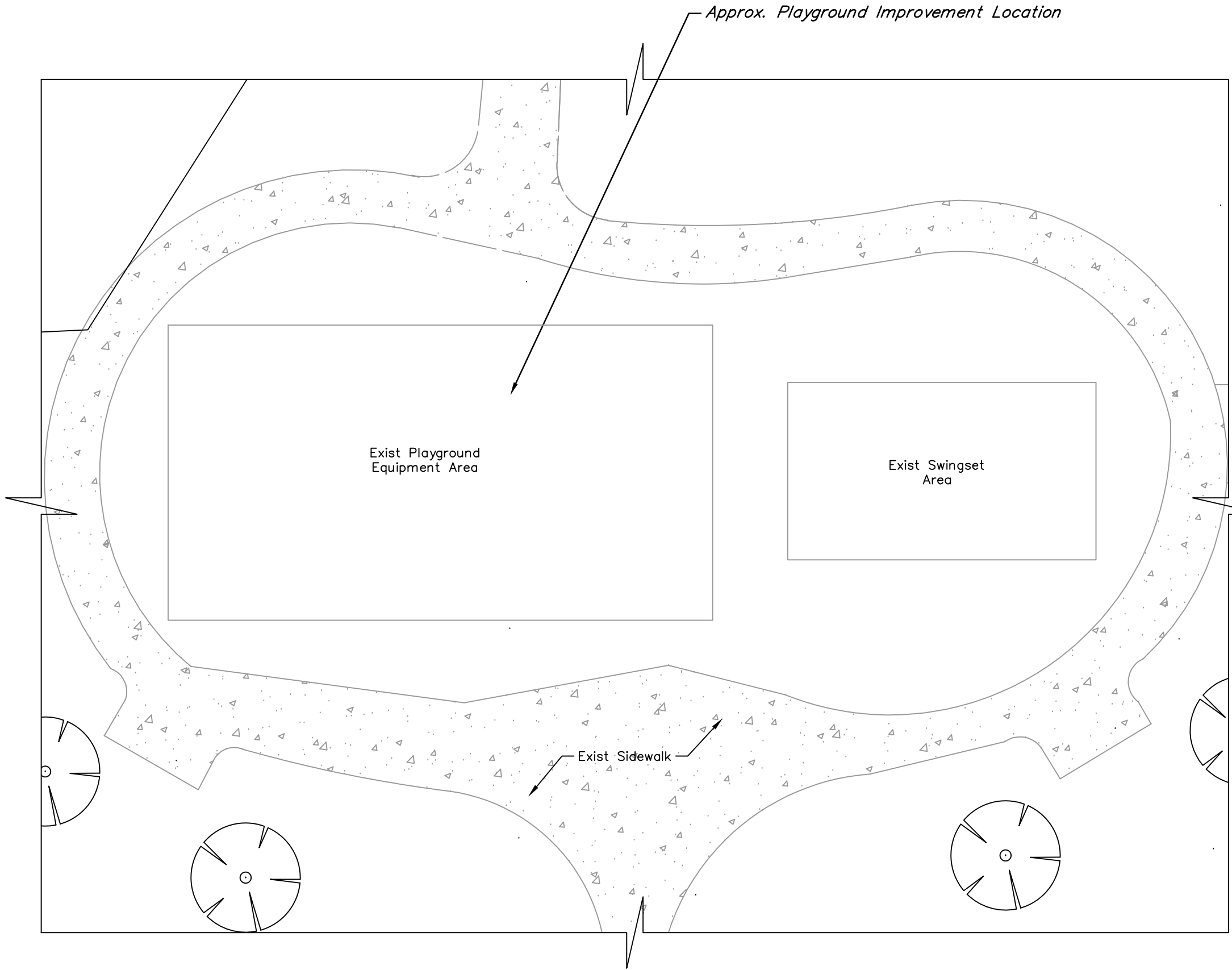
Install Two (2) Safety Railings per Existing Manufacturer's Recommendations (See Note 1 & 2)

NOTES:

- 1. Proposed safety railings to match existing playground color and material of poles.
- 2. Safety railings must be purchased from existing manufacturer.
- 3. Existing playground is located near the intersection of Lake Charlotte Lane and Lake Quitman Drive.

EXISTING PLAYGROUND
NOT TO SCALE

NOTES:
FOR VISUAL CLARITY ONLY.



APPROVED: Development Coordinator
DATE: APR 05 2018
Valid One Year From Date

NO.	DATE	REVISIONS	APP.

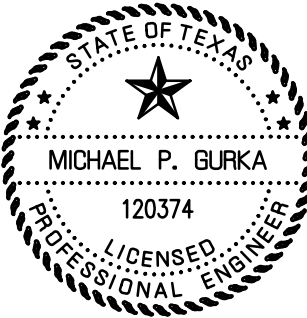
FORT BEND COUNTY M.U.D. No. 118
FORT BEND COUNTY, TEXAS

PLAYGROUND AT BARSKI PARK

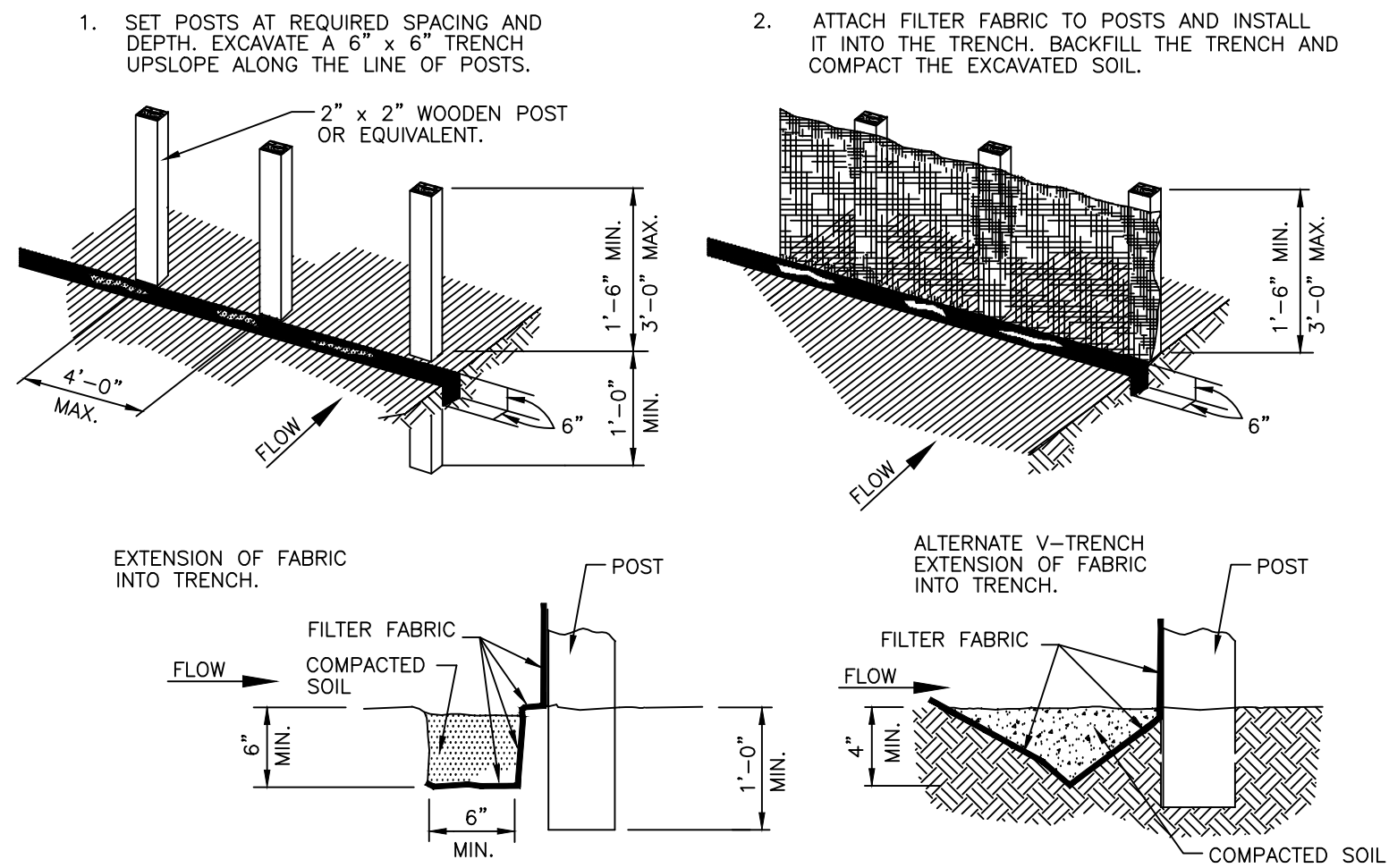
EXISTING PLAYGROUND IMPROVEMENTS



SCALE: AS SHOWN DGN. BY: MPGURKA
DATE: MARCH 2018 DWN. BY: JADELAUNE
JOB NO. 14421-0016-00 DWG. NO. _____
SUBMITTED: SURV. BY: _____
F.B. NO. _____

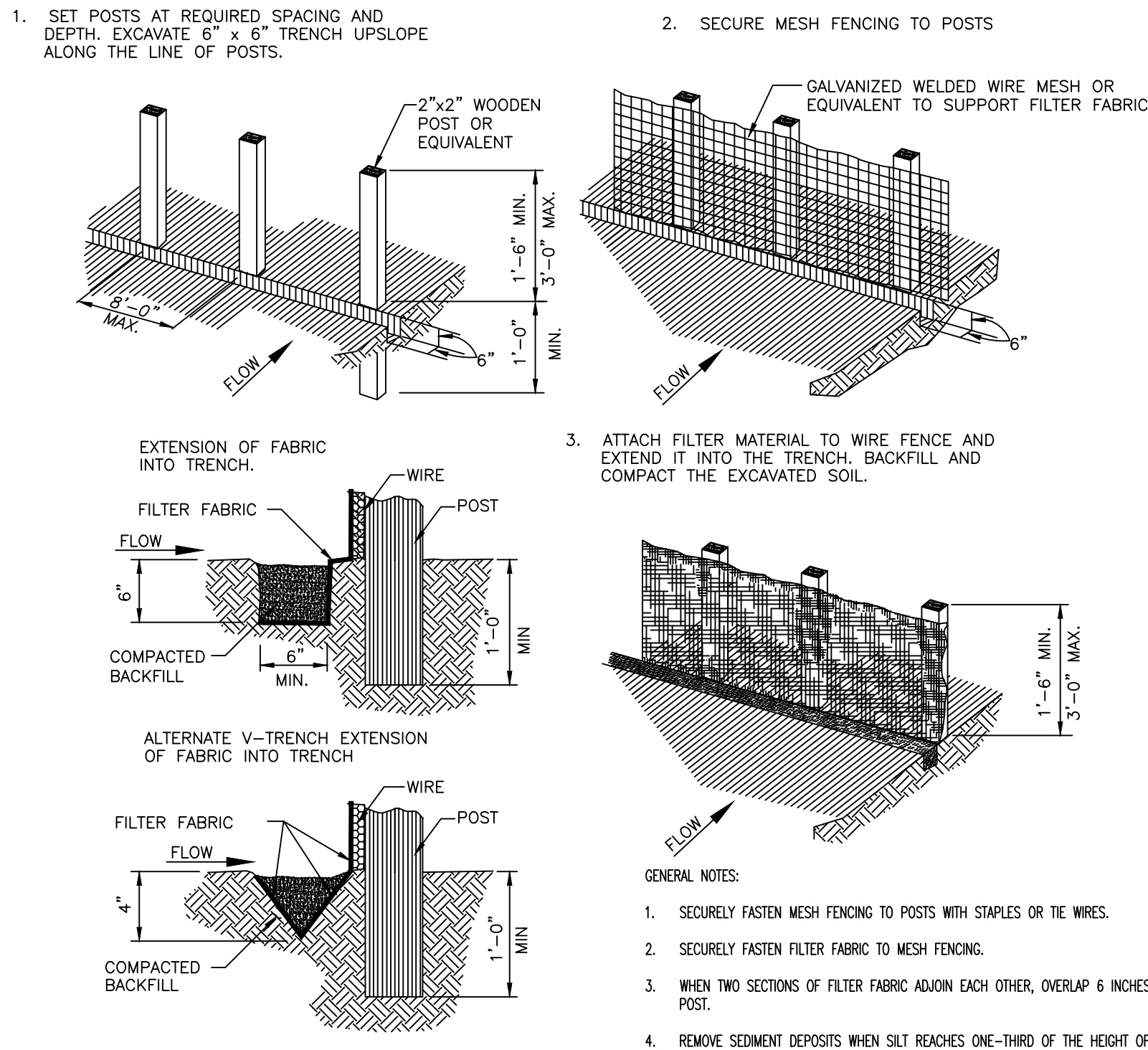
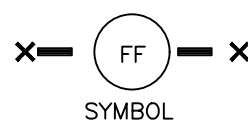


Michael P. Gurka
03/12/2018

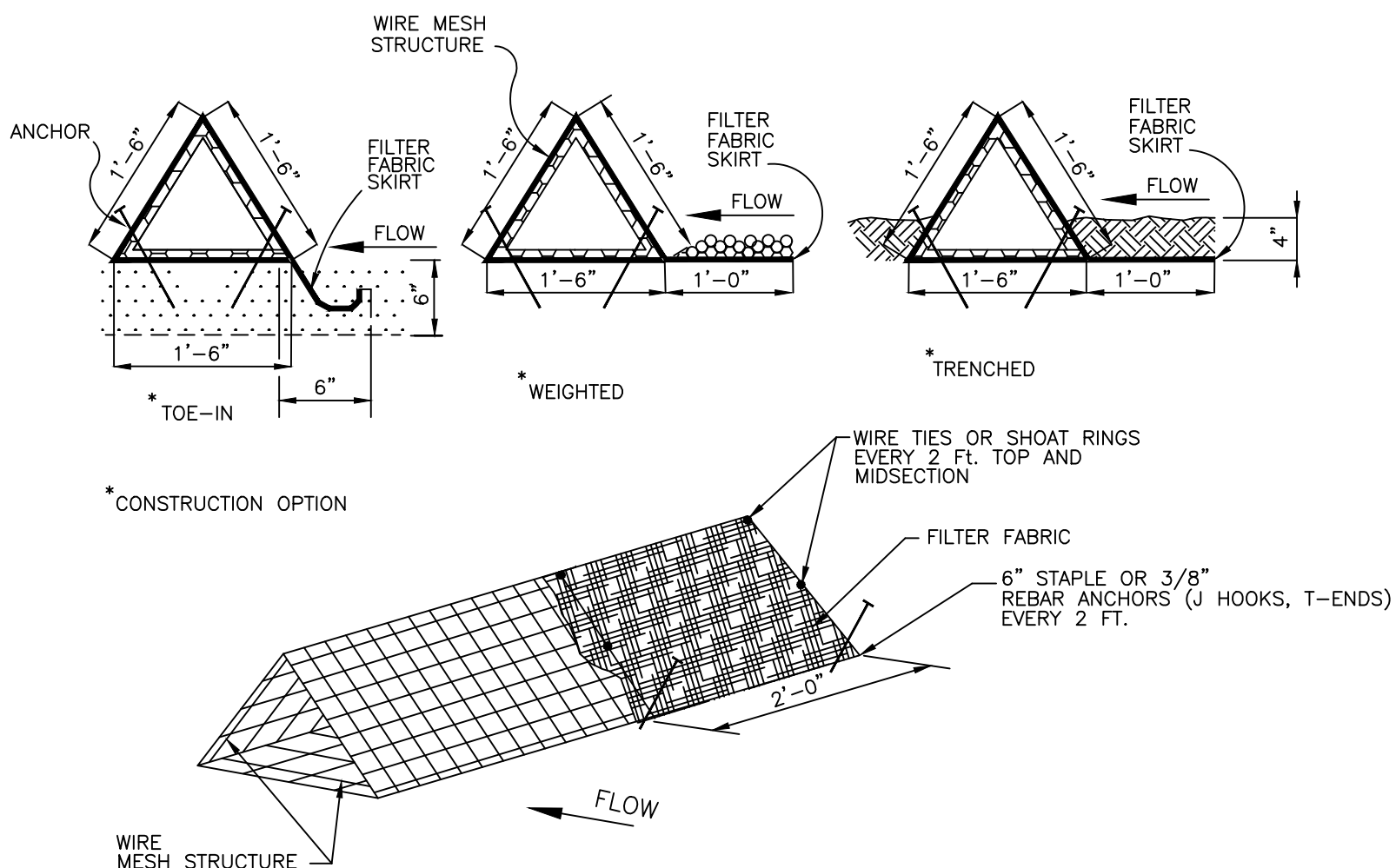
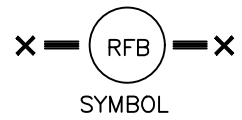


- GENERAL NOTES:
1. SET POSTS AT 4-FEET MAXIMUM SPACING. IF FACTORY PREASSEMBLED FENCE WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAXIMUM.
 2. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT THE POST, FOLD TOGETHER, AND ATTACH TO THE POSTS.
 3. REMOVE SEDIMENT DEPOSITS WHEN SILT DEPTH REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE.

FILTER FABRIC FENCE

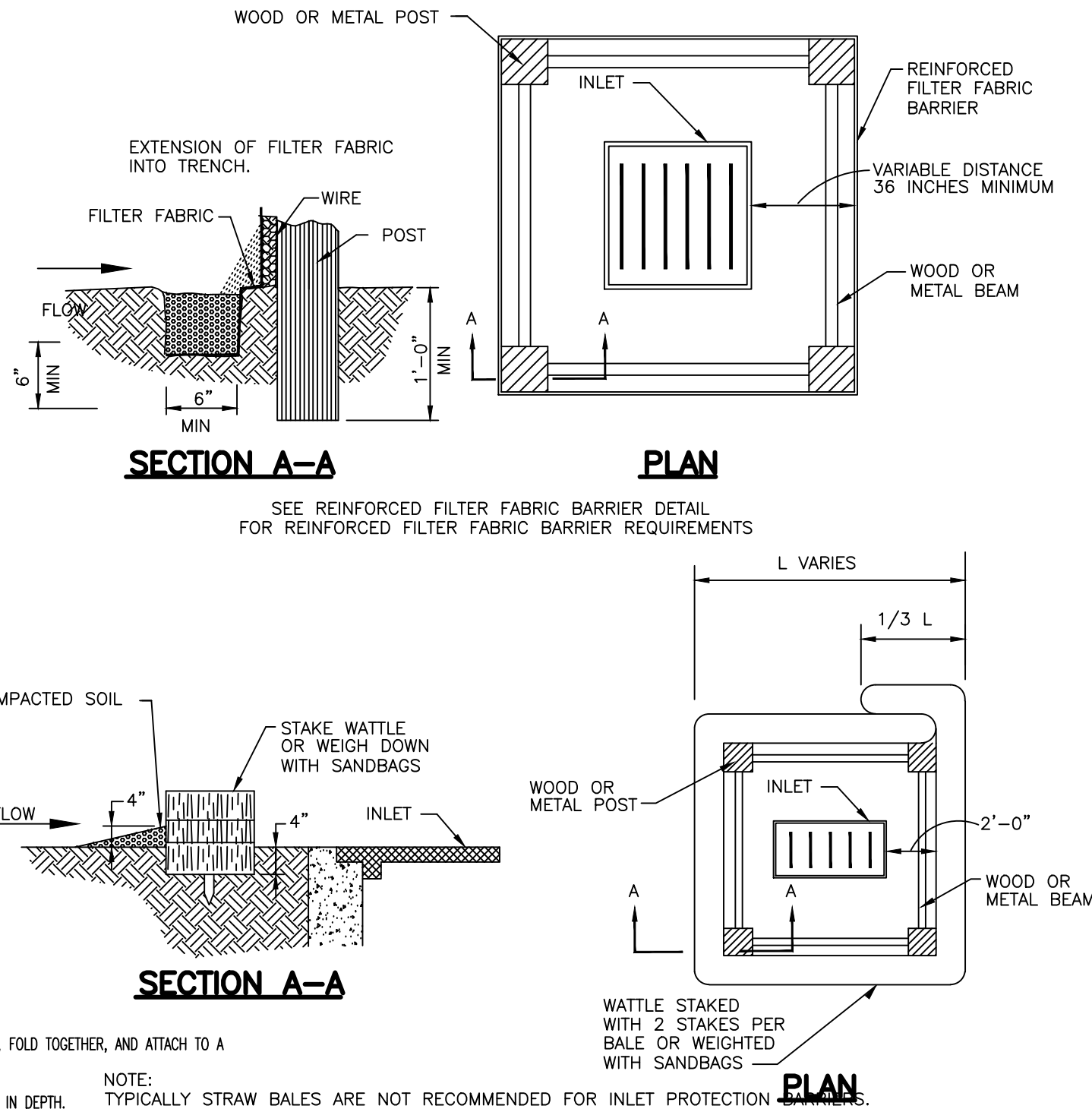
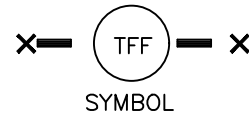


REINFORCED
FILTER FABRIC BARRIER

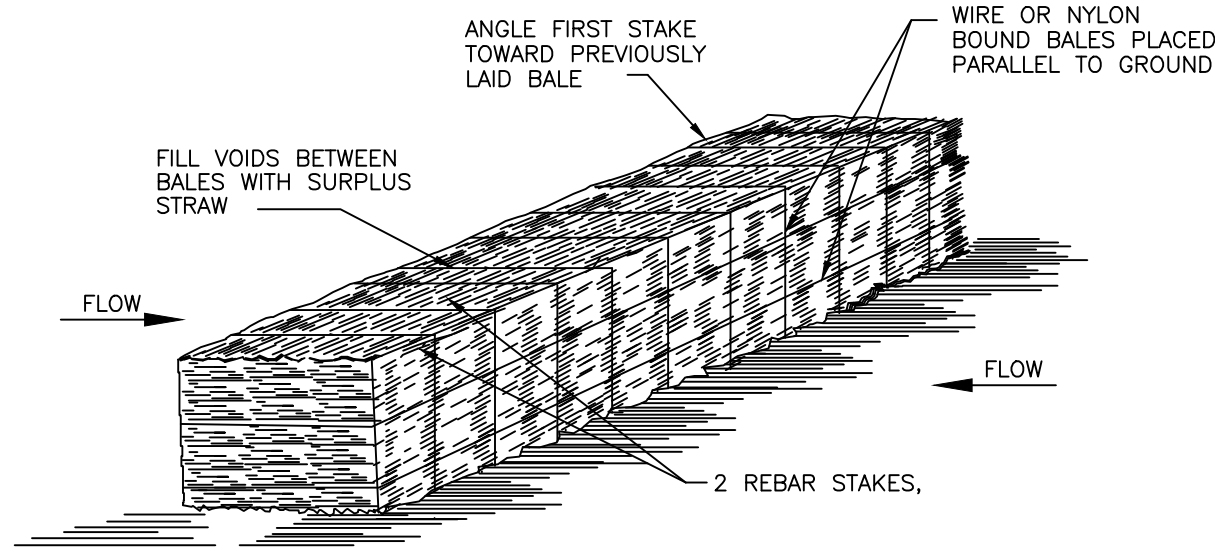


- GENERAL NOTES:
1. PLACE BARRIER IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BARRIER.
 2. USING ONE CONTINUOUS SECTION OF FILTER FABRIC, WRAP FABRIC AROUND WIRE MESH AND EXTEND FABRIC TO FORM SKIRT ON THE UPSTREAM SIDE.
 3. WEIGHT SKIRT WITH A CONTINUOUS LAYER OF 3-INCH TO 5-INCH OPEN GRADED ROCK, OR TOE IN SKIRT WITH SIX INCHES WITH MECHANICALLY COMPACTED MATERIAL.
 4. SECURELY ANCHOR BARRIER AND SKIRT IN PLACE USING 6-INCH WIRE STAPLES ON 2-FOOT CENTERS ON BOTH EDGES, OR STAKE USING 18-INCH BY 3/8 INCH REBARS (T-ENDS, J-HOOKS).
 5. FILTER FABRIC SHALL BE LAPPED OVER ENDS 6 INCHES TO COVER SEGMENT JOINTS. FASTEN JOINTS WITH GALVANIZED SHOAT RINGS OR EQUIVALENT.
 6. THE BARRIER STRUCTURE SHALL BE WELDED WIRE MESH, 18 INCHES ON EACH SIDE.

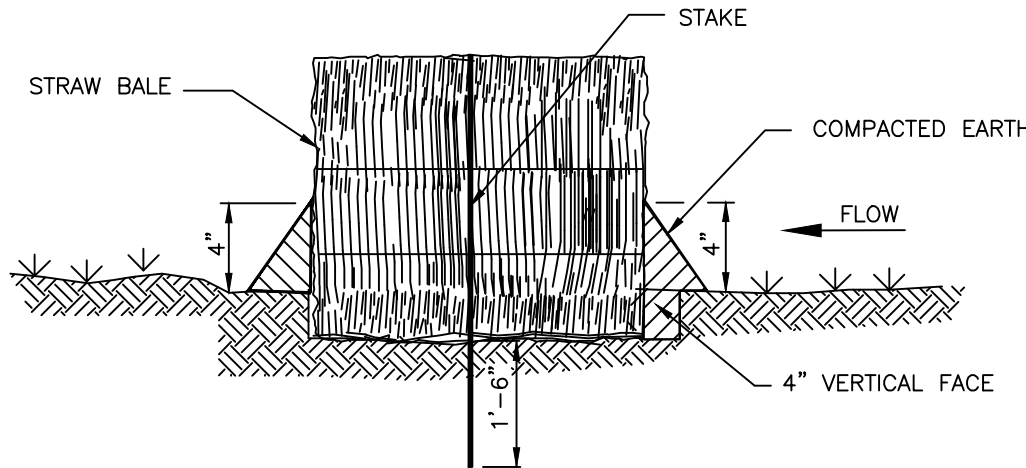
TRIANGULAR
FILTER FABRIC FENCE



INLET PROTECTION BARRIERS
FOR STAGE I INLETS

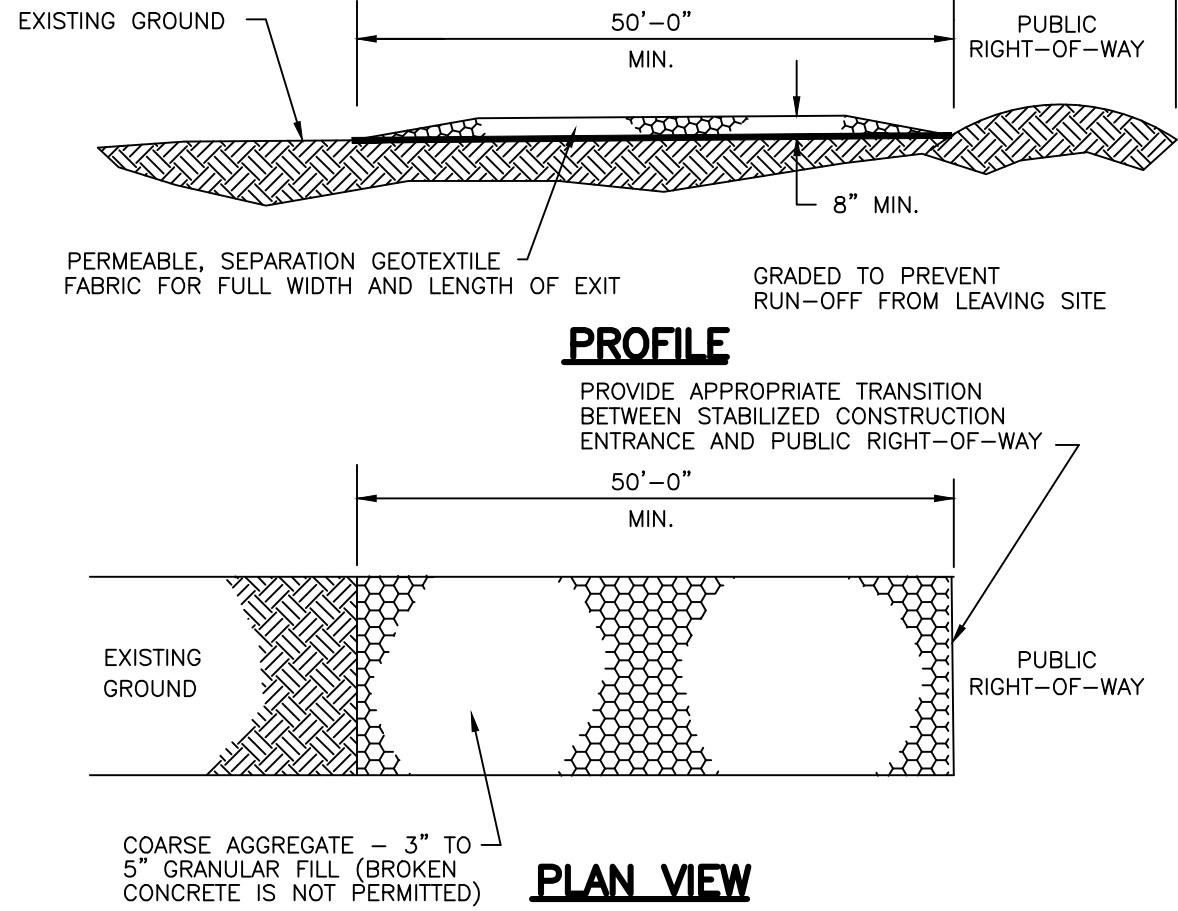
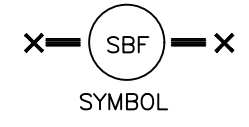


STRAW BALE FENCE



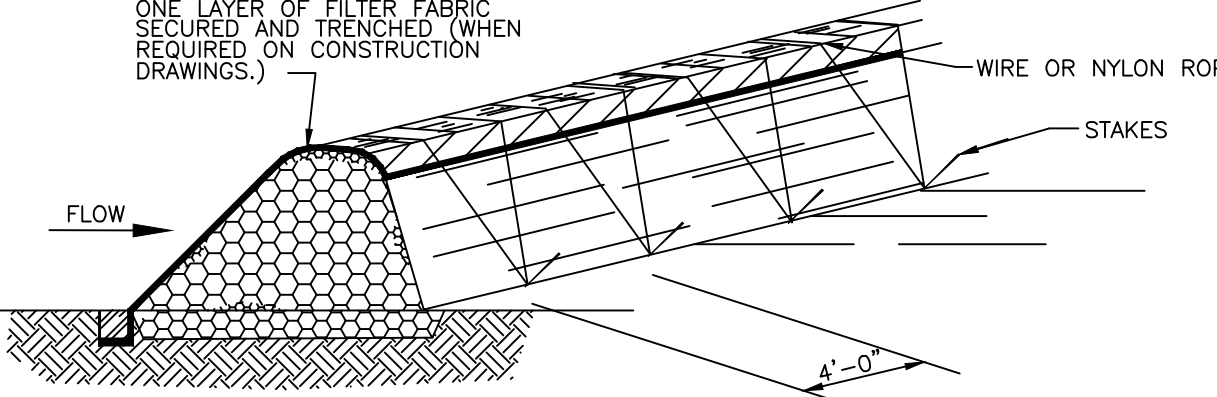
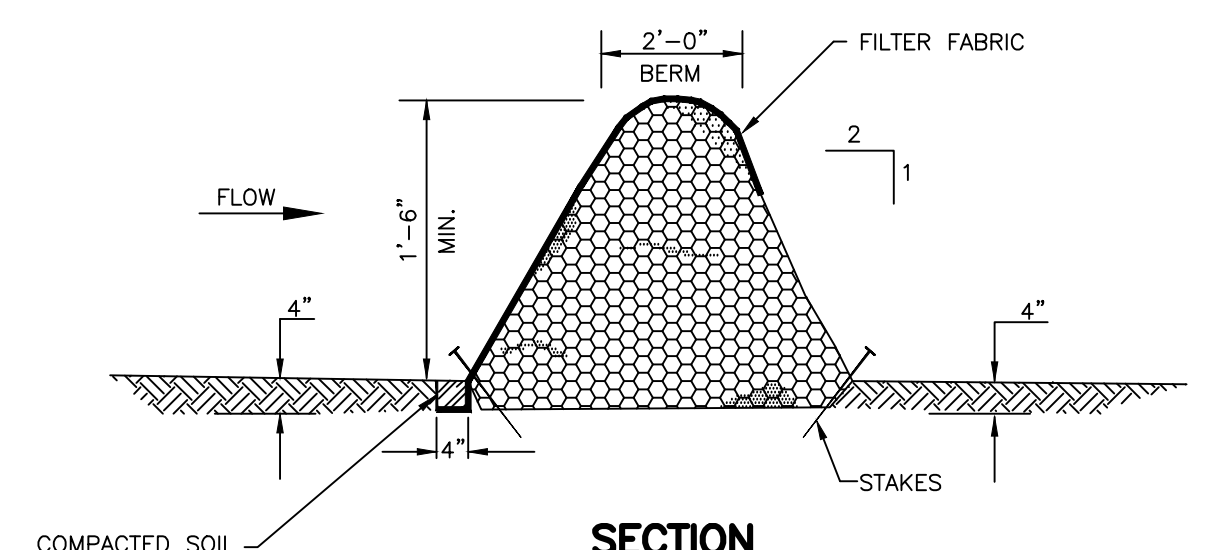
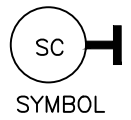
- GENERAL NOTES:
1. LIMIT USE TO ONSITE SWALES FOR PURPOSES OF LOW FLOW VELOCITY DISSIPATION FOR EROSION CONTROL. USE STRAW BALE FENCES TO TREAT OVERLAND FLOW ONLY. DO NOT USE STRAW BALE FENCES TO TREAT FLOW IN CHANNELS.
 2. PLACE BALES IN A ROW WITH ENDS TIGHTLY ABUTTING ADJACENT BALES. FILL THE VOIDS BETWEEN BALES WITH SURPLUS STRAW. PLACE BALES WITH BINDING PARALLEL TO GROUND SURFACE.
 3. IMBED EACH BALE AT LEAST 4 INCHES IN THE SOIL.
 4. SECURELY ANCHOR BALES IN PLACE BY REBAR STAKES. DRIVE STAKES THROUGH THE BALES AND AT LEAST 18 INCHES INTO THE GROUND. ANGLE THE STAKE IN EACH BALE TOWARD THE PREVIOUS BALE TO FORCE THE BALES TOGETHER.
 5. BIND BALES WITH WIRE OR NYLON ROPE TIED ACROSS THE STRAW BALES.
 6. REPLACE WITH NEW STRAW BALE FENCE EVERY TWO MONTHS.
 7. WATTLES STAKED INTO THE GROUND ARE A PREFERRED SUBSTITUTE FOR STRAW BALE FENCES.

STRAW BALE FENCE



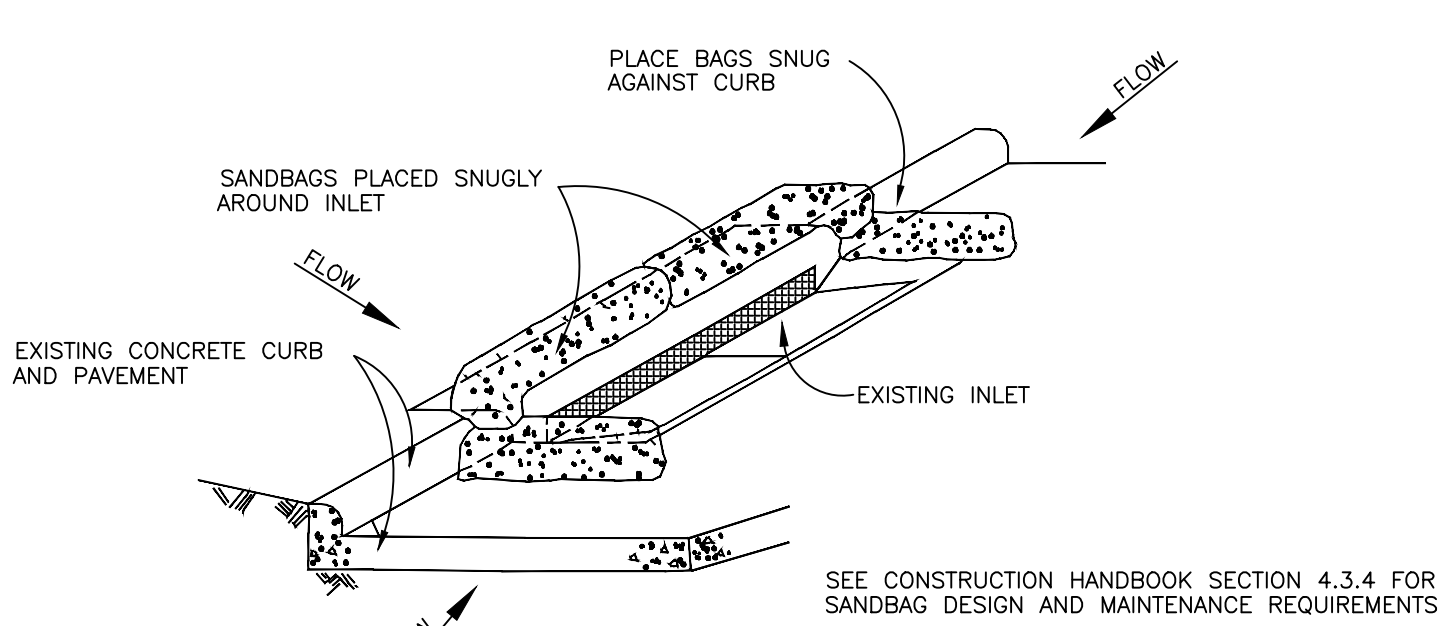
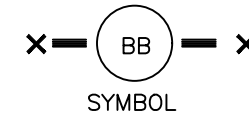
- GENERAL NOTES:
1. MINIMUM LENGTH IS AS SHOWN ON CONSTRUCTION DRAWINGS OR 50 FEET, WHICHEVER IS MORE.
 2. CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSTANT WIDTH ACROSS ITS LENGTH, INCLUDING ALL POINTS OF INGRESS OR EGRESS.
 3. UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT.
 4. WHEN SHOWN ON THE CONSTRUCTION DRAWINGS, WIDEN OR LENGTHEN STABILIZED AREA TO ACCOMMODATE A TRUCK WASHING AREA. PROVIDE OUTLET SEDIMENT TRAP FOR THE TRUCK WASHING AREA.
 5. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL COARSE AGGREGATE TO MAINTAIN THE REQUIRED DEPTH OR WHEN SURFACE BECOMES PACKED WITH MUD.
 6. PERIODICALLY TURN AGGREGATE TO EXPOSE A CLEAN DRIVING SURFACE.
 7. ALTERNATIVE METHODS OF CONSTRUCTION INCLUDE:
 - CEMENT STABILIZED SOIL: COMPACTED CEMENT STABILIZED SOIL, LIMESTONE AGGREGATE, OR OTHER FILL MATERIAL IN AN APPLICATION OF THICKNESS OF 8 INCHES.
 - WOOD MATS: OAK OR OTHER HARDWOOD TIMBERS PLACED EDGE TO EDGE AND ACROSS SUPPORT WOODEN BEAMS WHICH ARE PLACED ON TOP OF EXISTING SOIL IN AN APPLICATION THICKNESS OF 6 INCHES.
 - STEEL MATS: PERFORATED MATS PLACED ACROSS PERPENDICULAR SUPPORT MEMBERS.

STABILIZED CONSTRUCTION ACCESS



- GENERAL NOTES:
1. LIMIT USE TO ONSITE SWALES FOR PURPOSES OF LOW FLOW VELOCITY DISSIPATION FOR EROSION CONTROL. USE BRUSH BERMS TO TREAT OVERLAND FLOW ONLY. DO NOT USE BRUSH BERMS TO TREAT FLOW IN CHANNELS.
 2. PLACE WOODY BRUSH AND BRANCHES HAVING A DIAMETER OF LESS THAN 2 INCHES WITH A 6-INCH OVERLAP. AVOID INCORPORATION OF ANNUAL WEEDS AND SOIL INTO BRUSH BERM.
 3. MINIMUM HEIGHT OF THE BRUSH BERM IS 18 INCHES, MEASURED FROM THE TOP OF THE EXISTING GROUND AT THE UPSLOPE TOE TO THE TOP OF THE BERM.
 4. HAND PLACE BRUSH BERMS ALONG CONTOUR LINES. MACHINE PLACEMENT OF BRUSH BERMS IS NOT PERMITTED.
 5. IMBED BRUSH BERM AT LEAST 4 INCHES INTO THE SOIL.
 6. ANCHOR BRUSH BERMS USING WIRE OR NYLON ROPE ACROSS THE BERM WITH A MINIMUM TENSION OF 50 POUNDS.
 7. SECURELY TIE ROPE TO 18-INCH REBAR STAKES DRIVEN INTO THE GROUND ON 4-FOOT CENTERS ON BOTH SIDES OF THE BERM.
 8. PERFORM MAINTENANCE AS NEEDED.

BRUSH BERM



- GENERAL NOTES:
1. BAGS OR WATTLES CAN BE USED FOR THIS APPLICATION.
 2. PROVIDE WOVEN OR UNWOVEN GEOTEXTILE FILTER FABRIC FOR BAGS.
 3. PROVIDE COARSE SAND AND AGGREGATE MIX FOR FILL MATERIAL FOR BAGS. USE ONLY PARTICLES CONSISTING OF CLEAN, HARD, DURABLE MATERIALS FREE FROM ADHERENT COATINGS, SALT, ALKALI, DIRT, CLAY, LOAM, SHALE, SOFT OR FLAKY MATERIALS, OR ORGANIC AND INJURIOUS MATTER.
 4. REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BARRIER.

INLET PROTECTION
BARRIERS FOR
STAGE II INLETS

CONSTRUCTION HANDBOOK= STORM WATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES PREPARED BY CITY OF HOUSTON, HARRIS COUNTY, AND HARRIS COUNTY FLOOD CONTROL DISTRICT, 2001 EDITION.



APPROVAL IS IMPLIED FOR IMPROVEMENTS WITHIN FORT BEND COUNTY RIGHTS OF WAY ONLY. UTILITY LINES APPROVED AS TO LOCATION ONLY. AUTHORIZATION IS VALID FOR 1 YEAR FROM DATE OF APPROVAL.

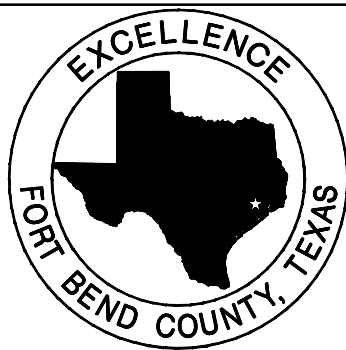
APPROVED: F.B.C. DEVELOPMENT COORDINATOR

DATE:

JONES CARTER
Texas Board of Professional Engineers Registration No. F-439
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

NO.	REVISIONS	DATE	NAME

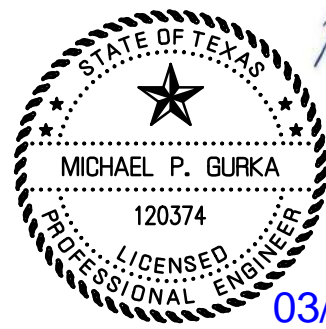
FORT BEND COUNTY
ENGINEERING DEPARTMENT



APPROVAL IS IMPLIED FOR IMPROVEMENTS WITHIN FORT BEND COUNTY RIGHTS OF WAY ONLY. UTILITY LINES APPROVED AS TO LOCATION ONLY. AUTHORIZATION IS VALID FOR 1 YEAR FROM DATE OF APPROVAL.

APPROVED: DEVELOPMENT COORDINATOR

DATE:



Michael P. Gurka
N.T.S.
11/29/16

14421-0016-00

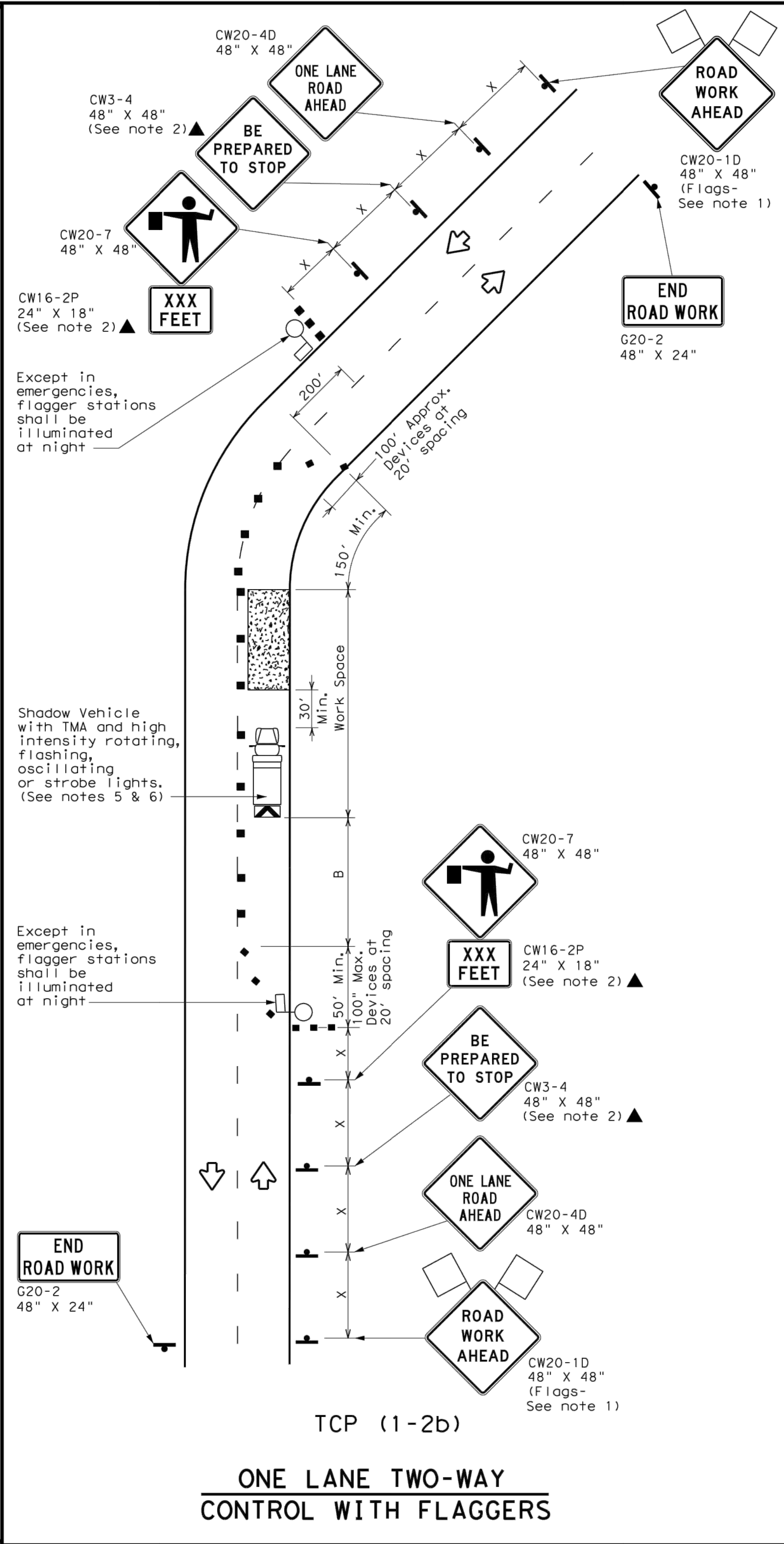
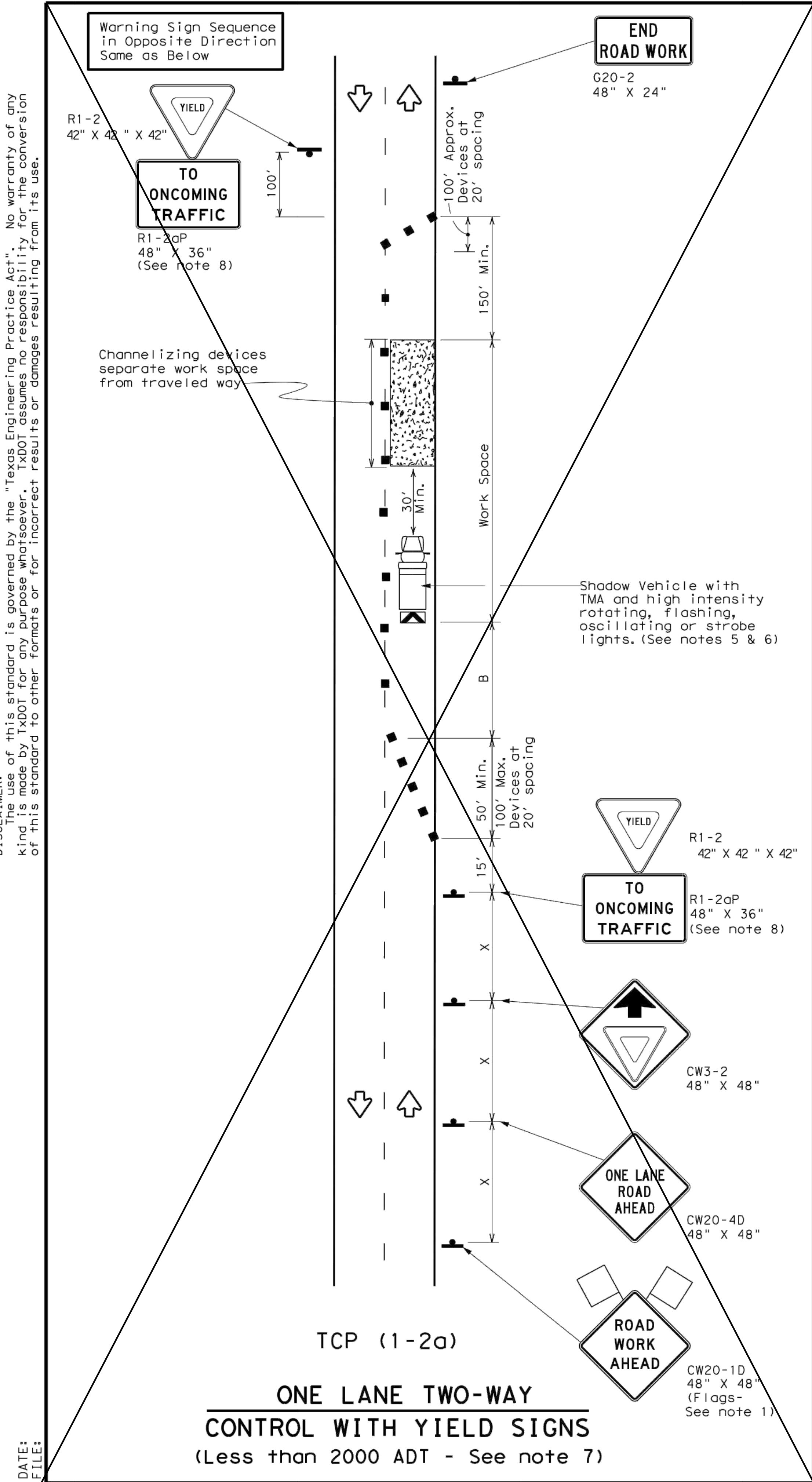
STORM WATER POLLUTION
PREVENTION PLAN DETAILS

DRAWN BY: JADELAUNE
CHK'D BY:
SCALE: N.T.S.
DATE: 11/29/16

APPROVED BY:

JOB NO: 14421-0016-00
FILE NAME: PMDET.L
FILE NO: 8 OF 9

DISCLAIMER:
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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"	Stopping Sight Distance
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent			
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L = WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* 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

- Flags attached to signs where shown are REQUIRED.
- 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.
- The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
- Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
- 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.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

- R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
- R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.

TCP (1-2b)

- Flaggers should use two-way radios or other methods of communication to control traffic.
- Length of work space should be based on the ability of flaggers to communicate.
- If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
- Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.



Texas Department of Transportation

Traffic Operations Division Standard

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP (1-2) - 18

FILE:	tcp1-2-18.dgn	DN:		CK:		DW:		CK:					
© TxDOT	December 1985	CONT	SECT	JOB	HIGHWAY								
REVISIONS													
4-90	4-98												
2-94	2-12												
1-97	2-18												
DIST									SHEET NO.				
									9 OF 9				