REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 6th day of September, 2016, Commissioners Court came on to be heard and reviewed the accompanying notice of Axiom Construction Co., LLC
Job Location 11107 Binion Lane, Richmond, TX 77407
Date 7/19/2016 Bond No. 106558681, Permit No. 2016-8566 to make use of certain Fort Bend County property subject to, "A Revised 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 the 3rd day of August, 1987, recorded in Volume _____ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner _____, seconded by Commissioner _____, 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.

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

   Mail notices to: Permit Administrator
   Fort Bend County Engineering
   301 Jackson Street
   Richmond, Texas 77469
   281-633-7500
3. This permit expires one (1) year from date of permit if construction has not commenced.

By: _____
for County Engineer

By: N/A
_____
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.
Recorded in Volume
_____
Minutes of Commissioners Court

Clerk of Commissioners Court

By: _____
Deputy

County of Fort Bend

Engineering Department

301 Jackson Street
Richmond, Texas 77469

Phone: (281) 633-7500

Permit Application Review Form For
Cable, Conduit, and Pole Line Activity
In Fort Bend County

Permit No. 2016-8566

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.

X (1) Complete Application Form:

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

X (2) Bond:

District Attorney, approval when applicable.

Perpetual bond currently posted.

No:

Amount:

X Performance bond submitted.

No: 106558681

Amount: $5,000.00

Cashier's Check

No:

Amount:

(3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.

Precinct Engineer Acknowledgment — Date

Precinct Commissioner Acknowledgment — Date

(4)

Drainage District Approval when applicable

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

Charles O. [illegible] — 8/29/16

Assistant County Engineer — Date

PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROAD AUTHORIZED

BOND NO 106558681

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, Axiom Construction Co., LLC whose address is 1219 Wunsche Loop SPRING, TX 77373 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 CONNECTICUT and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at 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 Christopher Noble and Whose address is 1301 E. Collins Blvd., Richardson, TX 75081, 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 Stated 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 19 day of July, 2016.

Axiom Construction Co., LLC
PRINCIPAL

BY

Travelers Casualty and Surety Company of America
SURETY

BY Misty Witt

TRAVELERS

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. **106558681**

Principal: **Axiom Construction Co., LLC**
1219 Wunsche Loop SPRING, TX 77373

Obligee: **County Judge of Fort Bend County**
P.O Box 1449 ROSENBERG, TX 77471

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 **Misty Witt**, of the City of **Houston**, State of **TX**, 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 **10th** day of **September, 2012.**

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, Senior Vice President

On this the **10th** day of **September, 2012**, 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, 2016**.

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 19 day of July, 2016.

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 Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

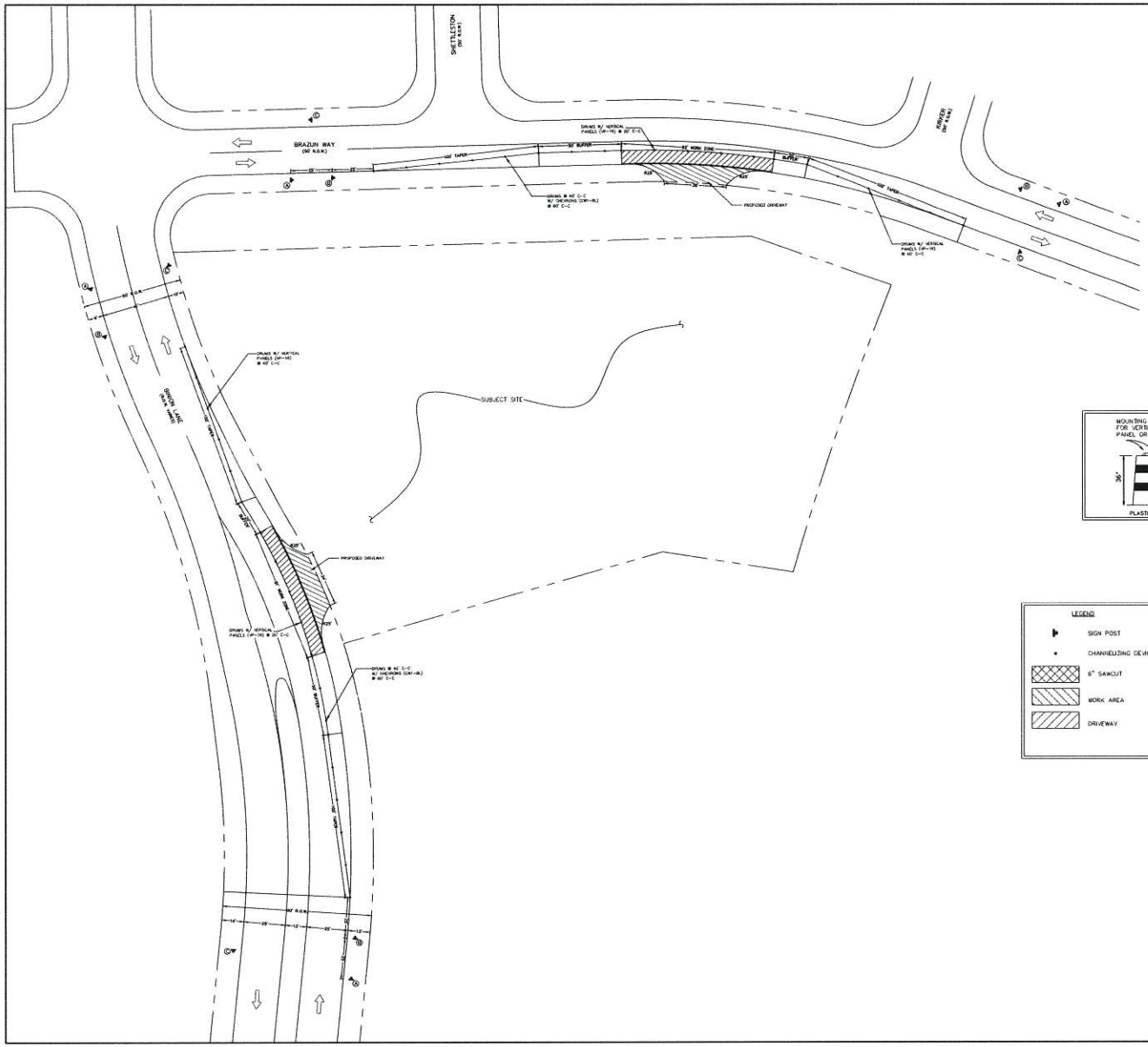
TRAVELERS

IMPORTANT NOTICE REGARDING COMPENSATION DISCLOSURE

For information about how Travelers compensates independent agents, brokers, or other insurance producers, please visit this website: www.travelers.com/w3c/legal/Producer_Compensation_Disclosure.html

If you prefer, you can call the following toll-free number: 1-866-904-8348. Or you can write to us at Travelers, Enterprise Development, One Tower Square, Hartford, CT 06183.

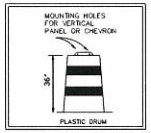
©2009 The Travelers Companies, Inc. All Rights Reserved

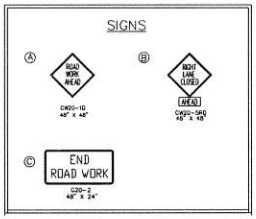


N.T.S.

DRIVEWAY INSTALLATION

BINION LANE	35 MPH
BRAZUN WAY	35 MPH
STREET NAME	SPEED LIMIT





LEGEND

- SIGN POST
- CHANNELIZING DEVICE
- 6" SAWCUT
- WORK AREA
- DRIVEWAY

TRAFFIC NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD – LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
2. NO LANES SHALL BE BLOCKED FROM 7 A.M. TO 9 A.M. AND 4 P.M. TO 6:30 P.M. MONDAY THRU FRIDAY
3. OFF DUTY POLICE OFFICERS/FLAGGERS ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED.
4. CONTRACTOR SHALL COVER THE EXCAVATION WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW. IF COVERING IS NOT FEASIBLE, USE TRANTEX FR 336 EFX 36" DELINEATOR OR APPROVED EQUAL WITH SHEETING AND BASE EPOXIED TO PAVEMENT NEXT TO EXCAVATION DURING NON-WORKING HOURS.
5. APPROVED COPIES OF "TRAFFIC CONTROL PLANS" SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
6. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLAN DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, (S)HE SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLANS* TO TRAFFIC SECTION OF HCPID FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION.

*THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLARS AND SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. PLANS WILL BECOME A PART OF THE CONTRACT DRAWINGS.

NO.	REVISIONS	DATE

ALJ Lindsey
Civil Engineers
6115 FM 1960 W., Suite 200
Houston, Texas 77069
281.361.9495
FIRM #11626

A. LESTER JONES
102152
REGISTERED
PROFESSIONAL ENGINEER

8 FEBRUARY 2016

TRAFFIC CONTROL PLAN

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C1.1

AUTHORIZATION IS VALID FOR 1 YEAR.

APPROVED: _____
DEVELOPMENT COORDINATOR

DATE: _____

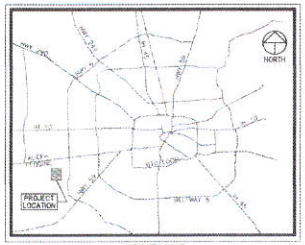
CIVIL PLANS
FOR
KIDDIE ACADEMY
LOCATED IN
FORT BEND COUNTY, TEXAS

PLAT - ALIANA CHILD CARE

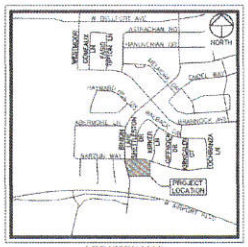
PLANS SUBMITTAL/REVIEW LOG

SUBMITTAL TO FBC ENGINEERING, FBCDD, FB MUD 134 C -NOT FOR CONSTRUCTION	08/17/2015
SUBMITTAL TO FB MUD 134 C -NOT FOR CONSTRUCTION	09/15/2015
SUBMITTAL TO FBCDD -NOT FOR CONSTRUCTION	10/14/2015
FOR PRICING & PERMIT -NOT FOR CONSTRUCTION	11/10/2015
SUBMITTAL TO FBC ENGINEERING -NOT FOR CONSTRUCTION	02/04/2016

KEYMAP NO.: 567A
ZIP CODE: 77407



VICINITY MAP
NTS



LOCATION MAP
NTS

INDEX OF SHEETS

SHEET NO	DESCRIPTION
CIVIL ENGINEERING (ALJ LINDSEY, LLC)	
C0.0	COVER SHEET
C0.1	GENERAL NOTES
C0.2	TOPOGRAPHIC SURVEY
C0.3	PLAT
C1.0	DIMENSION CONTROL PLAN
C1.1	TRAFFIC CONTROL PLAN
C2.0	UTILITY PLAN
C3.0	STORM SEWER PLAN
C4.0	GRADING PLAN
C5.0	PAVING PLAN
C6.0	EROSION CONTROL PLAN
C7.0	CONSTRUCTION DETAILS (1 OF 5)
C7.1	CONSTRUCTION DETAILS (2 OF 5)
C7.2	CONSTRUCTION DETAILS (3 OF 5)
C7.3	CONSTRUCTION DETAILS (4 OF 5)
C7.4	CONSTRUCTION DETAILS (5 OF 5)

PROJECT TEAM:

ARCHITECT
IDENTITY ARCHITECTS
ATTN: PAUL NICOSIA
111 TRAVIS
HOUSTON, TX 77002
713.595.2150

CIVIL ENGINEER
ALJ LINDSEY, LLC.
6111 FM 1960 WEST, SUITE 208
HOUSTON, TEXAS 77069
281.301.5955
CONTACT: LESTER JONES

FORT BEND COUNTY ENGINEER

ENGINEER: Paul J. Stough, PE, PMP
For RICHARD W. STOLLEIS, P.E.

DATE: 2/12/16

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

APPROVED: _____
for DEVELOPMENT COORDINATOR

DATE: 02/09/16

FOR CONSTRUCTION

NO. REVISIONS DATE

ALJ Lindsey
Civil Engineers
6111 FM 1960 West, Suite 208
Houston, TX 77069
281.301.5955
FIRM # 11524

A. LESTER JONES
103152
REGISTERED
PROFESSIONAL ENGINEER
4 FEBRUARY 2016

COVER SHEET

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C0.0

PLAT NAME: ALIANA CHILD CARE

GENERAL NOTES

1. THE LOCATION OF ALL UTILITIES SHOWN ON THESE PLANS WAS TAKEN FROM AVAILABLE SURVEY INFORMATION AND/OR EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES MUST BE DETERMINED BY CONTRACTOR. IT SHALL BE THE DUTY AND RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN AND PROVE ANY ADDITIONAL LOCATIONS OTHER THAN THOSE SHOWN ON THE PLANS MUST BE PRESENT. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF A DISCREPANCY AND/OR CONFLICT IS ENCOUNTERED. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES DURING CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC UTILITIES, PAVEMENT TO REMAIN, CURBS, SIDEWALKS, SIGNS, TREES, ETC. IN THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DURING CONSTRUCTION. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE OWNING/OPERATING AUTHORITY, WITH NO COST TO THE CITY, COUNTY, PRIVATE UTILITY OWNERS, ENGINEER OR THE OWNER.
3. CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITY LINES AND SHALL NOTIFY THE FOLLOWING AGENCIES 72 HOURS PRIOR TO EXCAVATION ON A SPRING NEAR EXISTING FACILITIES:

   A. TEXAS 811 CALL SYSTEM AT 1-800-345-4545
   B. LONE STAR NOTIFICATION CENTER AT 1-800-669-8344
   C. TEXAS EXCAVATION SAFETY SYSTEM AT 1-800-344-8377
4. PRIOR TO ANY CONSTRUCTION ACTIVITY, CONTRACTOR IS TO ACQUIRE ALL REQUIRED CONSTRUCTION PERMITS FROM APPROPRIATE AUTHORITIES. CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO ALL AUTHORIZED INSPECTIONS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PUBLIC AND PRIVATE UTILITY LINES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK.
5. THE ENGINEER AND THE CITY/COUNTY OR MUD SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE CONTRACTOR CONNECTING TO ANY EXISTING UTILITY LINES.
6. NO CONNECTIONS SHALL BE MADE TO EXISTING PUBLIC WATER LINES OR PUBLIC SANITARY SEWERS UNTIL ALL PROPOSED WATER OR SEWER LINES HAVE BEEN THOROUGHLY CLEANED, TESTED (AS REQUIRED) AND APPROVED BY THE APPROPRIATE AUTHORITIES.
7. HORIZONTAL AND VERTICAL INFORMATION REGARDING UTILITY CONNECTIONS TO PROPOSED BUILDINGS ON THIS SET OF PLANS TERMINATE AT FIVE (5) FEET FROM THE NEAREST BUILDING WALL.
8. ALL MANHOLES, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS, ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS DEVELOPMENT.
9. ALL APPURTENANCES WILL BE ANSI/AWWA TO BE IN GOOD CONDITION UNLESS OTHERWISE CONFIRMED IN WRITING PRIOR TO COMMENCEMENT OF WORK.
10. OVERHEAD LINES EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH AND SAFETY CODE, PROHIBITS ANYONE IN WHICH PERSON OR EQUIPMENT MAY COME WITHIN 6 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. CONTRACTORS ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. FAILURE MAY RESULT IN FINES AND CRIMINAL LIABILITY.
11. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND ALL REGULATIONS OF UTILITY COMPANIES CONCERNING SAFETY AND HEALTH PRACTICES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SITE WORKER SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY/COUNTY STANDARDS, TEXAS STATE LAW, AND OSHA STANDARDS FOR ALL EXCAVATION.
12. PRIOR TO THE START OF CONSTRUCTION, OWNER AND CONTRACTOR ARE RESPONSIBLE FOR SUBMITTING THE "NOTICE OF INTENT (NOI)" AND ANY ADDITIONAL INFORMATION REQUIRED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). UPON COMPLETION OF THE PROJECT, OWNER AND CONTRACTOR ARE RESPONSIBLE FOR SUBMITTING THE "NOTICE OF TERMINATION" (NOT).
13. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
14. CONTRACTOR SHALL REMOVE ALL MUD, DIRT, AND DEBRIS DEPOSITED ON UNPAVED ON THE EXISTING ROADWAY AT THE END OF EACH WORK DAY. MATERIAL THAT IS HAZARDOUS TO TRAFFIC OR OTHERWISE PRESENTS A SAFETY CONCERN SHALL BE REMOVED IMMEDIATELY.
15. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL STATE AND LOCAL REGULATIONS RELATED TO STORM WATER POLLUTION AND QUALITY. REFER TO EROSION CONTROL PLANS.
16. CONTRACTOR SHALL RESTABLISH ALL TURF DISTURBED DURING CONSTRUCTION TO ACCEPTABLE OPERATING CONDITION, AS DETERMINED BY OWNER AND/OR REGULATORY AGENCIES.
17. CONTRACTOR SHALL MAINTAIN A WORKSITE FREE OF TRASH AND DEBRIS.
18. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES. NO BRUSH SHALL BE REMOVED OR ALTERED WITHOUT WRITTEN PERMISSION FROM OWNER OR ENGINEER. EQUIPMENT OR MATERIALS SHALL NOT BE STORED UNDER THE DRIP LINE OF EXISTING TREES.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SET OF "AS BUILT" PLANS FOR ALL WORK PERFORMED ON AND OFF SITE. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE AS-BUILT PLANS IDENTIFYING ALL DEVIATIONS OR VARIATIONS FROM ORIGINAL PLANS TO THE OWNER AND THE ENGINEER.
20. ALL TRAFFIC CONTROL AND WARNING SIGNS SHALL BE IN ACCORDANCE WITH TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
21. ALL SIDEWALKS, RAMPS, AND HANDRAILS TO MEET OR EXCEED CITY/COUNTY, TAS, AND ADA REQUIREMENTS.
22. ALL MATERIAL GENERATED FROM CONSTRUCTION ACTIVITY TO BE HAULED OFFSITE AND DISPOSED IN ACCORDANCE WITH LOCAL LAWS, RULES, AND REGULATIONS.
23. AT THE END OF ALL CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL RESTORE THE EXISTING FACILITIES, TO EQUAL OR BETTER THAN EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. ALL FINISHED GRADES SHALL VARY UNIFORMLY BETWEEN THE FINISHED ELEVATIONS SHOWN.
24. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING LANDSCAPING AND IRRIGATION. NO SEPARATE PAY.
25. PRIOR TO SUBMITTAL OF BID OR PROPOSAL, CONTRACTOR SHALL VISIT PROJECT SITE AND BECOME FAMILIAR WITH THE PROJECT AND THE EXISTING CONDITIONS ON THE SITE. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR ADDITIONAL WORK CAUSED BY FIELD CONDITIONS VISIBLE ON SITE DURING BIDDING BUT NOT SHOWN ON THE PLANS.
26. THERE WILL BE NO SEPARATE PAYMENT FOR WORK SHOWN ON THESE PLANS, UNLESS SPECIFICALLY ESTABLISHED IN THE BID SECTION OF THE CONTRACT DOCUMENTS. INCLUDE COST OF SAME TO WHICH THIS WORK IS A COMPONENT PART.
28. IN THE EVENT OF A DISCREPANCY WITHIN THESE PLANS, OR BETWEEN THESE PLANS AND THE GEOTECHNICAL REPORT, THE MOST CONSERVATIVE CRITERIA SHALL APPLY.
29. ALL UTILITY TRENCHES BELOW PROPOSED OR FUTURE PAVING SHALL BE BACKFILLED WITH CEMENT SAND.
30. UTILITY TRENCHES ARE A COMMON SOURCE OF WATER INFILTRATION AND MIGRATION. ALL UTILITY TRENCHES THAT PENETRATE BENEATH THE BUILDING SHOULD BE EFFECTIVELY SEALED TO RESTRICT WATER INTRUSION AND FLOW THROUGH THE TRENCHES THAT COULD MIGRATE BELOW THE BUILDING. WE RECOMMEND CONSTRUCTING AN EFFECTIVE CLAY "TRENCH PLUG" THAT EXTENDS AT LEAST 5 FEET OUT FROM THE FACE OF THE BUILDING EXTERIOR. THE PLUG MATERIAL SHOULD CONSIST OF CLAY COMPACTED AT A WATER CONTENT AT OR ABOVE THE SOIL OPTIMUM WATER CONTENT. THE CLAY FILL SHOULD BE PLACED TO COMPLETELY SURROUND THE UTILITY LINE AND BE COMPACTED IN ACCORDANCE WITH RECOMMENDATIONS IN THIS REPORT.
31. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITY TIE IN LOCATIONS FOR MATERIAL, SIZE, ELEVATION AND FIELD CONDITIONS. IN THE EVENT THE PLANS DO NOT REPRESENT FIELD CONDITIONS, THE CONTRACTOR IS TO CONTACT THE ENGINEER AND OWNER IMMEDIATELY AND PRIOR TO PERFORMING ANY WORK.

32. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR TO CONFIRM POSSESSION OF LATEST DRAWINGS, INCLUDING ANY REVISIONS. IF THE DRAWINGS ARE NOT LABELED AS "CONSTRUCTION SET" ON THE COVER PAGE, CONTRACTOR TO CONTACT ENGINEER IMMEDIATELY.

FORT BEND COUNTY NOTES

1. FORT BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETINGS.
2. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND 48 HOURS PRIOR TO ANY PAVING OPERATIONS AT (281) 342-4474 OR (281) 342-4477.
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 5.5 SACK CEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT EVERY CURB RETURN AND AT A MAXIMUM SPACING OF 60 FEET.
8. ACCESS TO ALL EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
9. 4" x 12" 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 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.
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 AND 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 911 - STOP SIGNS SHALL BE 30" x 30" WITH DIAMOND GRADE SHEETING. STREET NAME SIGNS SHALL BE UPPER AND LOWER CASE LETTERS WITH DIAMOND GRADE SHEETING.
15. 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 SIDE FOR AN THE HYDRANT.

NOTE: FORT BEND COUNTY NOTES SUPERSEDE ANY CONFLICTING NOTES.

PAVING AND SUBGRADE NOTES

1. PAVEMENT DESIGN AND SOIL PREPARATION RECOMMENDATIONS GIVEN IN THE GEOTECHNICAL REPORT PREPARED BY LML ENGINEERING DATED 10/16/2015 (PROJECT NUMBER 2806-RVS/SB) SHALL BE ADHERED TO FOR BOTH MATERIALS AND PRACTICE OF INSTALLATION. CONTRACTOR SHALL ENSURE ALL SPECIFICATIONS AND TESTING ARE MET AS OUTLINED IN THIS REPORT. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REPORT PRIOR TO PAVING ITEMS IMPACTED BY THE REPORT.
2. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND CITY/COUNTY STANDARDS.
3. CONTRACTOR SHALL FURNISH ALL PAVEMENT MARKINGS FOR FIRE LANES, ROADWAY LANES, PARKING STALLS, HANDICAPPED WARNING SYMBOLS, ACCESS AISLES, STOP BARS AND SIGNS, AND MISC. ANCILLARY STRIPING WITHIN PARKING LOT AS SHOWN ON THE PLANS.
4. ALL JOINTS SHALL BE SEALED PER CITY/COUNTY SPECIFICATIONS. ALL JOINTS SHALL EXTEND THROUGH THE CURB.
5. THE MATERIALS AND PROPERTIES OF CONCRETE SHALL MEET THE APPLICABLE REQUIREMENTS IN THE A.C.I. (AMERICAN CONCRETE INSTITUTE) MANUAL OF CONCRETE PRACTICE AS WELL AS CITY/COUNTY STANDARDS.
6. ANY DAMAGED PAVEMENT, CURB AND/OR SIDEWALK WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER AND OWNER.
7. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A. & T.A.S) EXIST TO AND FROM EVERY DOOR. IN NO CASE SHALL:
   A. HANDICAP RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL.
   B. SIDEWALK CROSS SLOPES EXCEED 2.0 PERCENT.
   C. LONGITUDINAL SIDEWALK SLOPES EXCEED 5.0 PERCENT.
   D. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVEMENT CONSTRUCTION IF ANY SLOPES EXCEED THE ABOVE LIMITS.
8. REINFORCING BAR SPLICES SHALL BE STAGGERED WITH NO MORE THAN 2 SPLICES ADJACENT TO EACH OTHER.
9. STABILIZED SUBGRADE SHALL EXTEND A MINIMUM OF 1 FOOT BEYOND EDGE OF ALL PAVEMENT, OR AS DIRECTED IN GEOTECHNICAL REPORT.

STORM SEWERS

1. STORM SEWER PIPE USED FOR CONNECTION TO STORM SEWER IN PUBLIC RIGHT-OF-WAY OR CONSTRUCTED WITHIN PUBLIC EASEMENTS SHALL BE REINFORCED CONCRETE PIPE, ASTM C-76, CLASS III, WITH RUBBER GASKET PER ASTM C-443 AND SHALL EXTEND TO FIRST PRIVATE INLET OR MANHOLE. ALL OTHER PRIVATE STORM SEWER MAY BE SELECTED FOR THE FOLLOWING CRITERIA:
   A. CORRUGATED HIGH-DENSITY POLYETHYLENE (HDPE) (4 INCHES TO 48 INCHES IN DIAMETER). AASHTO M 294, DUAL WALL WITH WATCH TIGHT (ASTM D3212) BELL-AND-SPIGOT COUPLER. GRADE NAME N-12 BY ADS OR EQUAL.
   B. POLYVINYL CHLORIDE (PVC) CORRUGATED PIPE WITH SMOOTH INTERIOR PER ASTM F 949 (4 INCHES TO 36 INCHES [102-MM TO 914-MM]) WITH ELASTOMERIC GASKET JOINTS. GRADE NAME A-2000 BY CONTECH OR EQUAL.
   C. STEEL REINFORCED HIGH-DENSITY POLYETHYLENE (RHDPE) (24 INCHES TO 48 INCHES IN DIAMETER): AASHTO M 294, HIGH PERFORMANCE JOINTS (ASTM D3212). GRADE NAME DURAMAX BY DOUBLE.
   D. REINFORCED CONCRETE PIPE (RCP): ASTM C76, CLASS III WITH RUBBER GASKET JOINTS PER ASTM C-443.
2. STORM SEWERS IN PUBLIC R.O.W. OR PUBLIC EASEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST FORT BEND COUNTY STANDARD CONSTRUCTION SPECIFICATIONS FOR STORM DRAINAGE INCLUDING ALL CURRENT AMENDMENTS THERETO. ALL STORM SEWER ON PRIVATE PROPERTY SHALL BE CONSTRUCTED PER SPECIFICATIONS AND DETAILS IN THESE DRAWINGS AND IN ACCORDANCE WITH THE PIPE MANUFACTURERS RECOMMENDATIONS.
3. ALL SEWERS UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE BACKFILLED WITH 1 1/2 SACK CEMENT/CY STABILIZED SAND TO WITHIN ONE (1) FOOT OF SUBGRADE. CEMENT STABILIZED SAND TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C33, LATEST EDITION.
4. TRENCH BACKFILL SHALL BE SUITABLE EARTH MATERIAL PLACED IN 8 INCH LIFTS, WITH SOILS TAKEN AT MID FOOT INTERVALS ON EACH LIFT. BACKFILL TO BE MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM DESIGNATION D-698/AASHTO T99). MOISTURE CONTENT OF BACKFILL SHALL BE WITHIN PARAMETERS ESTABLISHED BY THE PROCTOR TEST.
5. PROPOSED PIPE STUB-OUTS ARE TO BE PLUGGED WITH 8" BRICK WALLS, UNLESS OTHERWISE NOTED.

WATER LINES

1. WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST FORT BEND COUNTY, MUD DISTRICT AND TCEQ REGULATIONS, STANDARD SPECIFICATIONS, AND CONSTRUCTION DETAILS.
2. 4" THRU 12" WATER LINES SHALL BE PVC, CLASS 150, DR-18, AWWA C-900 AND 1" THRU 3" WATER LINES SHALL BE PVC SCHEDULE 40. 4" THRU 54" D.I.P. WATER LINES SHALL BE AWWA C151 (ANSI A21.51) AND DOUBLE WRAPPED IN 8-MIL POLYETHYLENE PIPE SHALL BE LINED IN ACCORDANCE WITH AWWA C104 (ANSI A21.4).
3. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AS NECESSARY TO PREVENT PIPE MOVEMENT. WHERE PREVENTING MOVEMENT OF 16" OR GREATER PIPE IS NECESSARY DUE TO THRUST, USE RESTRAINED JOINTS.
4. ALL WATER LINES UNDER PROPOSED OR FUTURE PAVING AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE ENCASED IN BANK SAND TO 12" OVER PIPE AND BACKFILLED WITH CEMENT STABILIZED SAND TO WITHIN ONE (1) FOOT OF SUBGRADE.
5. ALL WATER LINE AND SEWER LINE CROSSINGS SHALL BE CONSTRUCTED PER TCEQ REGULATIONS.
6. ALL WATER VALVES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA C-500 AND SHALL BE OF THE RESILIENT SEAT TYPE.
7. ALL WATER LINES TO BE DISINFECTED IN CONFORMANCE WITH AWWA C-651 AND THE TEXAS STATE DEPARTMENT OF HEALTH. AT LEAST ONE BACTERIOLOGICAL SAMPLE SHALL BE COLLECTED FOR EACH 1,000 LINEAR FEET OF WATER LINE AND SHALL BE REPEATED IF CONTAMINATION PERSISTS.
8. ALL BELOW GRADE VALVES SHALL BE GASKETED, HUB-END GATE VALVES WITH A CAST IRON BODY, EXCEPT WHERE FLANGES ARE CALLED OUT ON THE PLANS.
9. 4" THRU 12" FITTINGS SHALL BE CEMENT MORTAR LINED COMPACT DUCTILE IRON PRESSURE FITTINGS PER ANSI A21.53, DI PUSH ON FITTINGS PER ANSI AP10 FITTINGS (RATED AT 250 PSIG).
10. HYDROSTATIC TESTING: ALL WATER PIPE SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LATEST FORT BEND COUNTY, MUD DISTRICT AND TCEQ REQUIREMENTS. TESTS ARE TO BE PERFORMED ON THE TOTAL FOOTAGE OF SEWER LINE INCLUDED IN THE PROJECT. REQUIREMENTS OF TEXAS ADMINISTRATIVE CODE, TITLE 30 CHAPTER 217, DESIGN CRITERIA FOR SEWERAGE SYSTEMS" SHALL GOVERN WHERE CONFLICTS EXIST EXCEPT WHERE CITY REQUIREMENTS ARE OF HIGHER STANDARDS.
11. ALL WATER LINES TO HAVE 4' MINIMUM COVER TO FINISHED GRADE AND MINIMUM 12" CLEAR TO OTHER UTILITIES AT CROSSING UNLESS OTHERWISE NOTED ON PLANS. ALL WATER LINE INSTALLED OVER 8" DEEP SHALL UTILIZE PERMANENT JOINT FITTINGS.
12. CONTRACTOR SHALL KEEP WATER PIPE CLEAN AND CAP FOR OTHERWISE EFFECTIVELY COVER OPEN PIPE ENDS TO EXCLUDE INSECTS, ANIMALS OR OTHER SOURCES OF CONTAMINATION FROM UNFINISHED PIPE LINES AT TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
13. ALL FIRE LINES TO BE INSTALLED AND TESTED PER NFPA REGULATIONS.

SANITARY SEWER

1. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST FORT BEND COUNTY, MUD DISTRICT AND TCEQ CRITERIA AND BE SUBJECT TO A REQUIRED FIELD TESTING. TESTS ARE TO BE PERFORMED ON THE TOTAL FOOTAGE OF SEWER LINE INCLUDED IN THE PROJECT. REQUIREMENTS OF TEXAS ADMINISTRATIVE CODE, TITLE 30 CHAPTER 217, "DESIGN CRITERIA FOR SEWERAGE SYSTEMS" SHALL GOVERN WHERE CONFLICTS EXIST EXCEPT WHERE CITY REQUIREMENTS ARE OF HIGHER STANDARDS.
2. SANITARY SEWER PIPE TO BE SDR 26 P.V.C. PIPE MEETING ASTM SPECIFICATION D3034 WITH RUBBER GASKET JOINTS, UNLESS OTHERWISE NOTED.
3. ALL SANITARY SEWER LINES UNDER PROPOSED OR FUTURE PAVING AND TO A POINT (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE ENCASED IN BANK SAND TO 12" OVER PIPE AND BACKFILLED WITH CEMENT STABILIZED SAND TO WITHIN ONE (1) FOOT OF SUBGRADE.
4. ALL SANITARY SEWERS AND WATER LINES CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FORT BEND COUNTY, MUD DISTRICT, AND TCEQ REGULATIONS.
5. SANITARY SEWER MANHOLE RIMS OUTSIDE OF PROPOSED PAVING WILL BE SET 3" - 6" ABOVE THE SURROUNDING LEVEL FINISHED GRADE AFTER PAVING AND GRADING OPERATIONS.
6. NON 26 P.V.C. PIPE USES "FULL BODIED" SDR 26 P.V.C. FITTINGS OR D.I.P. FITTINGS WITH APPROPRIATE ADAPTERS. AWWA C-900 DR-18 P.V.C. PIPE USES EITHER AWWA C900 DR-18 P.V.C. FITTINGS OR D.I.P. FITTINGS.
7. DEFLECTION TEST: DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE AND SEMI-RIGID SEWER PIPE BETWEEN MANHOLES. SERVICE LEADS SHALL NOT BE TESTED. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. THE DEFLECTION TEST SHALL USE A RIGID 9-SIDED MANDREL WITH A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. NO MECHANICAL PULLING IS ALLOWED.
8. INFILTRATION, EXFILTRATION OR LOW-PRESSURE AIR TEST: EITHER OF THE FOLLOWING TESTS SHALL BE PERFORMED AS PER TAC, TITLE 30, 217.2 WITH THE SPECIFIED TOLERANCES ON ALL GRAVITY SEWERS.
9. NO CONNECTIONS SHALL BE MADE TO THE EXISTING SANITARY SEWER LINES UNTIL ALL PROPOSED SEWER LINES HAVE BEEN THOROUGHLY CLEANED, TESTED AND APPROVED BY THE ENGINEER. THE ENGINEER AND MUD DISTRICT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE CONTRACTOR CONNECTING TO ANY EXISTING SEWER LINES.
10. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY/COUNTY AT LEAST 48 HOURS PRIOR TO PRESSURE AND DEFLECTION TEST ON ALL SANITARY LINES.
11. ALL SEWER LINES ENTERING A MANHOLE AT A FLOWLINE HIGHER THAN 3.0' OR 36" ABOVE THE MANHOLE INVERT MUST BE PROVIDED WITH A DROP PIPE OUTSIDE OF THE MANHOLE.

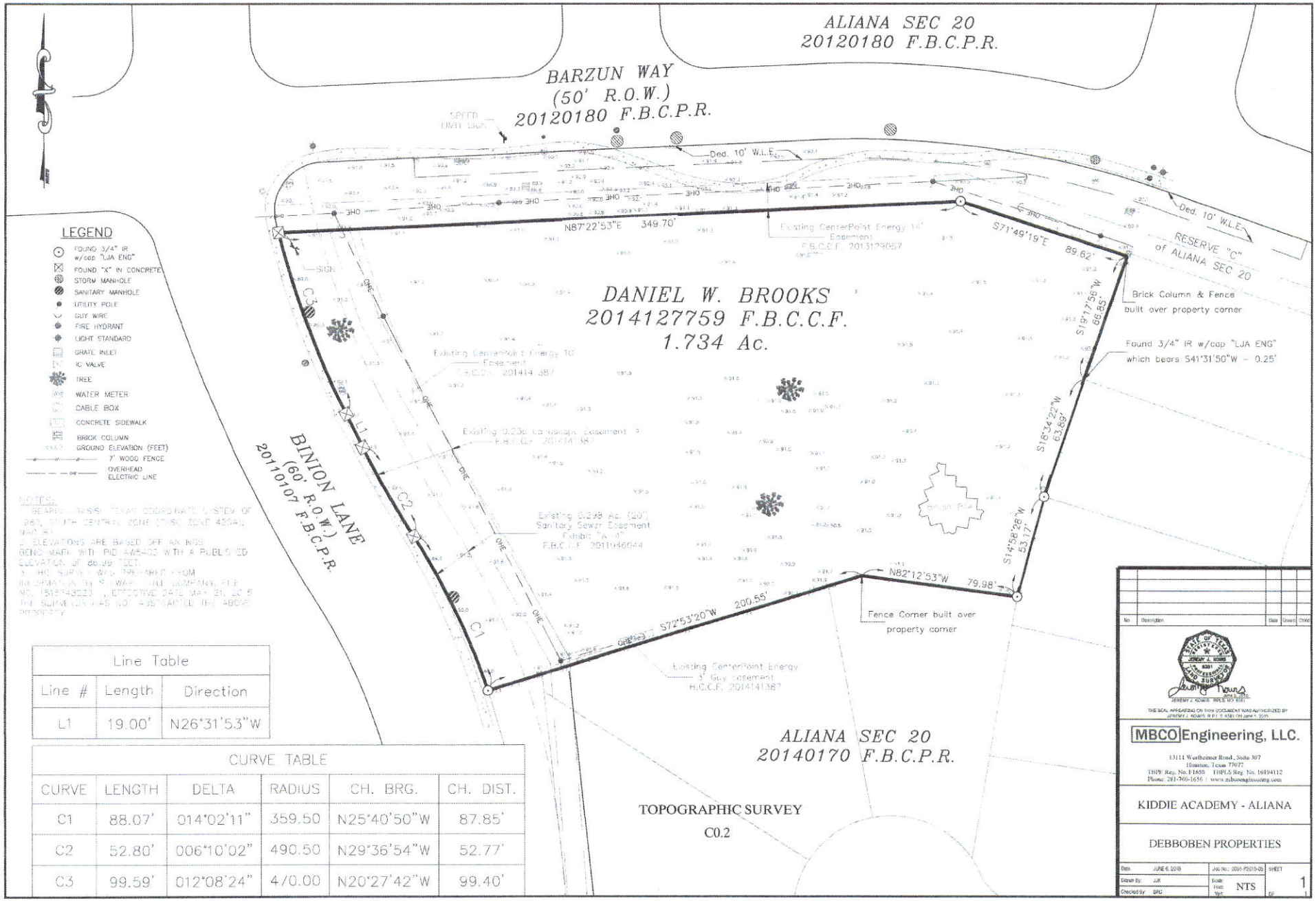
COMMUNICATIONS/UTILITY NOTES

1. CONTRACTOR SHALL CALL LNE TEXAS ONE CALL AND ONE-TESS AT LEAST 72 HOURS PRIOR TO COMMENCING EXCAVATION OR CONSTRUCTION ACTIVITIES. THE CONTRACTOR BEARS SOLE RESPONSIBILITY FOR VERIFYING LOCATIONS OF EXISTING UTILITIES SHOWN OR NOT SHOWN, AND FOR ANY DAMAGE TO THESE FACILITIES.
2. CONTRACTOR SHALL INSTALL LONG SWEEPS FOR DRY UTILITY CONDUITS WHERE A BEND IS GRAPHICALLY SHOWN.

SWPPP NOTES

1. POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION SITE:

   ADHESIVES, PESTICIDES, FERTILIZERS, PAINTS, PIPES, SOLVENTS, SEALANTS, FERTILIZERS, OILS, HERBICIDES, CLEANING SOLUTIONS, CONCRETE/CEMENT/PLASTER
2. STORM WATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND DISTURBING ACTIVITIES:
   A. PRIOR TO CONSTRUCTION: SILT FENCING SHALL BE INSTALLED IN ALL LOCATIONS SHOWN ON SITE MAP THAT WILL NOT BE DISTURBED DURING THE IN-FILL GRADING PROCESS. THE STABILIZED CONSTRUCTION EXIT SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
   B. DURING CONSTRUCTION:
      B.1. IMMEDIATELY AFTER PAVING CONSTRUCTION IS COMPLETE, INLET PROTECTION TRAPS WILL BE INSTALLED ON ALL NEW & CONSTRUCTED INLETS.
      B.2. WHEN EXISTING SILT FENCING OPTION 2 IS BE REMOVED FOR CONSTRUCTION OR ACCESS PURPOSES, IT WILL BE REPLACED AS SOON AS POSSIBLE AFTER CONSTRUCTION IN THE VICINITY OF THE REMOVED FENCE IS COMPLETE.
      B.3. AS SOON AS PRACTICABLE, AFTER SITE GRADING IS COMPLETE, FINAL STABILIZATION PROCEDURES SUCH AS TURF ESTABLISHMENT AND INSTALLATION OF PLANT MATERIAL WILL BE COMMENCED.
   C. AFTER CONSTRUCTION: AFTER CONSTRUCTION ACTIVITY IS COMPLETE, AREAS NOT COVERED BY CONCRETE PAVEMENT OR BY STRUCTURES WILL BE LANDSCAPED AND SEEDED. ONCE ESTABLISHED, THIS VEGETATION WILL HELP PREVENT SEDIMENT RUNOFF IN THE FUTURE STORM EVENTS. NEWLY GRADED AREA WILL BE TEXTURED TO REDUCE FLOW VELOCITY.
3. MATERIAL HANDLING AND SPILL PREVENTION PLAN:
   A. HAZARDOUS MATERIALS WILL BE STORED AND USED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS. DISPOSAL WILL BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, AND IN ACCORDANCE WITH STATE AND LOCAL LAWS AND REGULATIONS.
   B. THE FOLLOWING PROCEDURES WILL BE FOLLOWED FOR CONTAINMENT AND CLEAN-UP OF SPILLS:
      B.1. ALL SPILLS WILL BE CLEANED UP AND PROPERLY REMOVED IN ACCORDANCE WITH STATE REGULATIONS AND LOCAL ORDINANCES.
      B.2. SOIL AND SPILLED MATERIALS WILL BE COLLECTED UNTIL NO VISIBLE EVIDENCE OF SPILLED MATERIAL REMAINS.
      B.3. THE TYPE OF MATERIAL AND QUANTITY OF RELEASE SHALL BE IDENTIFIED, AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) SHALL BE WORN AS RECOMMENDED BY THE PRODUCT-SPECIFIC MSDS.
      B.4. SPILL CONTAINMENT MAY BE INCLUDE CONSTRUCTION OF EARTH DIKES AROUND THE SPILL AREA, DEPLOYMENT OF ABSORBENT MATERIALS, ON USE OF COMMERCIALLY AVAILABLE KITS.
      B.5. CONTAMINATED SOIL AND SPILLED MATERIAL WILL BE STORED IN APPROPRIATE AND PROPERLY LABELED CONTAINERS, AND DISPOSED OF IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL RULES AND REGULATIONS.
5. GENERAL PERMIT MAINTENANCE REQUIREMENTS (TPDES GENERAL PERMIT):
   A. ALL PROTECTIVE MEASURES IDENTIFIED IN THIS SWPPP MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. IF THROUGH INSPECTION OR OTHER MEANS, THE PERMITEE DETERMINES THAT BMPS ARE NOT OPERATING EFFECTIVELY, THEN THE PERMITEE SHALL PERFORM MAINTENANCE AS NECESSARY TO MAINTAIN THE PURPOSE OF THE BMP. REPAIRS OR MAINTENANCE MUST BE COMPLETED, AND PRIOR TO THE NEXT ANTICIPATED STORM EVENT IS APPROACHABLE. THE REASON SHALL BE DOCUMENTED IN THE SWPPP. AND MAINTENANCE MUST BE SCHEDULED AND ACCOMPLISHED AS SOON AS POSSIBLE. CONSTRUCTION OF SEDIMENT CONTROLS THAT HAVE BEEN INTENTIONALLY DISABLED, RUN-OVER, REMOVED, OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY UPON DISCOVERY.
   B. IF PERIODIC INSPECTIONS ON OTHER INFORMATION INDICATES A CONTROL HAS BEEN USED INCORRECTLY, IS PERFORMING INADEQUATELY, OR IS DAMAGED WHEN THE OPERATOR MUST REPAIR OR MODIFY THE CONTROL AS SOON AS PRACTICABLE AFTER MAKING THE DISCOVERY.
   C. SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS AND SEDIMENTATION PONDS NO LATER THAN THE TIME THAT DESIGN CAPACITY HAS BEEN REDUCED BY 50%. FOR PERIMETER CONTROLS SUCH AS SILT FENCES, BERMS, ETC., THE TRAPPED SEDIMENT MUST BE REMOVED BEFORE IT REACHES 50% OF THE ABOVE GROUND HEIGHT.
   D. I



Line Table		
Line #	Length	Direction
L1	19.00'	N26°31'53"W

CURVE TABLE					
CURVE	LENGTH	DELTA	RADIUS	CH. BRG.	CH. DIST.
C1	88.07'	014°02'11"	359.50	N25°40'50"W	87.85'
C2	52.80'	006°10'02"	490.50	N29°36'54"W	52.77'
C3	99.59'	012°08'24"	470.00	N20°27'42"W	99.40'

TOPOGRAPHIC SURVEY

C0.2

STATE OF TEXAS §

COUNTY OF FORT BEND §

WE, BARZUN L.P., ACTING BY AND THROUGH JOHN R. DEBOBEN III, MANAGER OF BARZUN GP, LLC, A TEXAS LIMITED LIABILITY COMPANY, OWNERS HEREINAFTER REFERRED TO AS OWNERS OF THE 1.734 ACRE TRACT DESCRIBED IN THE ABOVE AND FOREGOING MAP OF ALIANA CHILD CARE, DO HEREBY MAKE AND ESTABLISH SAID SUBDIVISION 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, 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 PURPOSES 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 GROUND LEVEL UPWARD, LOCATED ADJACENT TO AND ALONGING 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 DOES DEDICATE TO THE USE OF THE PUBLIC FOR PUBLIC UTILITY PURPOSES 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") ABOVE GROUND LEVEL UPWARD, LOCATED ADJACENT TO AND ADJOINING SAID PUBLIC UTILITY EASEMENTS THAT RE-DESIGNATED WITH AERIAL EASEMENTS (U.E. & A.E.) AS INDICATED AND DEPICTED HEREON, WHEREBY THE AERIAL EASEMENT TOTALS THIRTY FEET (30'-0") IN WIDTH.

FURTHER, OWNERS HAVE DEDICATED AND BY THESE PRESENTS DO DEDICATE AND BY THESE PRESENTS DO DEDICATE TO THE USE OF THE PUBLIC FOR PUBLIC UTILITY PURPOSES 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. & A.E.) AS INDICATED AND DEPICTED HEREON, WHEREBY THE AERIAL EASEMENT TOTALS THIRTY FEET (30'-0") IN WIDTH.

FURTHER, OWNER DOES HEREBY COVENANT AND AGREE THAT ALL OF THE PROPERTY WITHIN THE BOUNDARIES OF THIS PLAT SHALL BE REPRINTED 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, OWNER DOES HEREBY DEDICATE TO THE PUBLIC A STRIP OF LAND TWENTY (20'-0") FEET WIDE ON EACH SIDE OF THE CENTERLINE OF ANY AND ALL BAYOUS, CREEKS, GULLIES, RAVINES, DRAWS, AND DRAINAGE DITCHES LOCATED IN SAID SUBDIVISION, AS EASEMENTS FOR DRAINAGE PURPOSES, FORT BEND COUNTY OR ANY OTHER GOVERNMENTAL AGENCY SHALL HAVE THE RIGHT TO ENTER UPON SAID EASEMENT AT ANY AND ALL TIMES FOR THE PURPOSES OF CONSTRUCTION AND MAINTENANCE OF DRAINAGE FACILITIES AND STRUCTURES.

FURTHER, OWNER DOES HEREBY COVENANT AND AGREE THAT ALL OF THE PROPERTY WITHIN THE BOUNDARIES OF THIS SUBDIVISION 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, EXCESSIVE VEGETATION 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, OWNERS DO HEREBY ACKNOWLEDGE THE RECEIPT OF THE "ORDERS 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, BARZUN L.P., A TEXAS LIMITED PARTNERSHIP, HAS CAUSED THESE PRESENTS TO BE SIGNED BY JOHN R. DEBOBEN III, THE MANAGER OF BARZUN GP, LLC ITS GENERAL PARTNER THEREUN TO AUTHORIZED, THIS _____ DAY OF _____, 2015

BARZUN L.P., A TEXAS LIMITED PARTNERSHIP
BY: BARZUN GP, LLC, A TEXAS LIMITED LIABILITY COMPANY

_____
BY: _____
JOHN R. DEBOBEN III, MANAGER

STATE OF TEXAS
COUNTY OF FORT BEND

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED JOHN R. DEBOBEN III, MANAGER OF BARZUN GP, LLC, A TEXAS LIMITED LIABILITY COMPANY, THE GENERAL PARTNER OF BARZUN L.P., A TEXAS LIMITED PARTNERSHIP, 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 SET OUT, AND AS THE ACT AND DEED OF SAID PARTNERSHIP.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, THIS _____ DAY OF _____, 2015

_____
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS
MY COMMISSION EXPIRES:

I, JEREMY J. KOWIS, 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 AND 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") AND A LENGTH OF NOT LESS THAN THREE (3') FEET.

_____
JEREMY J. KOWIS R.P.LS.
TEXAS REGISTRATION NO. 6291

I, LESTER JONES, 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.

_____
LESTER JONES, P.E.
REGISTERED PROFESSIONAL ENGINEER
TEXAS REGISTRATION NO. 102152

THIS IS TO CERTIFY THAT THE PLANNING COMMISSION OF THE CITY OF HOUSTON, TEXAS, HAS APPROVED THIS PLAT AND SUBDIVISION OF ALIANA CHILD CARE 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 _____, 2015

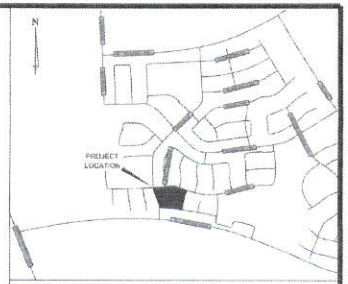
BY: _____
MARK A. KUBRANY, CHAIR
OR M. SONNY GARZA, VICE-CHAIR

BY: _____
PATRICK WALSH, P.E., SECRETARY

LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	19.00'	N26°31'53"W

CURVE TABLE						
CURVE	LENGTH	DELTA	RADIUS	CH. BRG	CH. DIST
C1	88.07'	014°02'11"	358.50	N25°40'59"W	87.82'
C2	52.80'	006°10'02"	490.50	N29°36'54"W	52.77'
C3	99.59'	012°08'24"	470.00	N20°27'42"W	99.40'

N.T.S.
SCALE: 1" = 80'



VICINITY MAP
NOT TO SCALE
KEY MAP NO. 566D

NOTES:

1. UNLESS OTHERWISE INDICATED, THE BUILDING LINES (B.L.), WHETHER ONE OR MORE SHOWN ON THIS SUBDIVISION PLAT ARE ESTABLISHED TO EVIDENCE COMPLIANCE WITH THE APPLICABLE PROVISIONS OF CHAPTER 42, CODE OF ORDINANCES, CITY OF HOUSTON, TEXAS, IN EFFECT AT THE TIME THIS PLAT WAS APPROVED, WHICH MAY BE AMENDED FROM TIME TO TIME.

2. THE COORDINATES SHOWN HEREON ARE TEXAS SOUTH CENTRAL ZONE NO. 4204 STATE PLANE GRID COORDINATES (NAD83) 1993 ADJUSTMENT AND MAY BE BROUGHT TO SURFACE BY APPLYING THE FOLLOWING COMBINED SCALE 1.00000073.

3. BENCHMARK: AN5433, BRASS DISC, STAMPED E 1304 1986, SET STAINLESS STEEL ROD IN GROUND WITH A 3 INCH CAP AT THE JUNCTION OF OLD RICHMOND ROAD EAST AND GASTON ROAD WEST, IN SUGAR LAND, TEXAS. THE DISK IS SET 76 FEET EAST OF THE CENTERLINE OF HIGHWAY 6 NORTHBOUND, 56.3 FEET SOUTH OF THE CENTERLINE OF OLD RICHMOND ROAD, 6 FEET SOUTHEAST OF A POWER POLE AND 1.50 FEET LOWER THAN THE ROAD. ELEVATION = 88.99 FEET NAVD 88 (GEOID12B), 1991 ADJUSTED.

4. THE TOP OF ALL FLOOR SLABS SHALL BE A MINIMUM OF 93.00 FEET ABOVE MEAN SEA 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 GROUND.

5. THIS PLAT WAS PREPARED TO MEET FORT BEND COUNTY REQUIREMENTS.

6. THIS PLAT WAS PREPARED FROM INFORMATION BY STEWART TITLE COMPANY, FILE NO. 15017486223 EFFECTIVE DATE OCTOBER 21, 2015. THE SURVEYOR HAS NOT ABSTRACTED THE ABOVE PROPERTY.

7. THIS PLAT LIES WHOLLY WITHIN FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 134C, FORT BEND COUNTY SUBSIDENCE DISTRICT, FORT BEND COUNTY DRAINAGE DISTRICT, ETJ OF THE CITY OF HOUSTON AND FORT BEND COUNTY.

8. BY GRAPHICAL PLOTTING, THE SUBJECT TRACT LIES WITHIN ZONE "X" (UNSHADED) AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NO. 48157C0140J, REVISED APRIL 2, 2014.

9. THERE ARE NO PIPELINES AND/OR PIPELINE EASEMENTS WITHIN THE LIMITS OF THE SUBDIVISION.

10. ALL RODS WERE FOUND EXISTING ON ALL PERIMETER BOUNDARY CORNERS, UNLESS OTHERWISE NOTED. BLOCK CORNERS AND/OR STREET RIGHT-OF-WAYS HAVE NOT BEEN MONUMENTED.

11. THE DRAINAGE SYSTEM FOR THIS SUBDIVISION SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE FORT BEND COUNTY DRAINAGE CRITERIA MANUAL WHICH ALLOWS STREET PONDING DURING INTENSE RAINFALL EVENTS.

12. ALL DRAINAGE EASEMENTS TO BE KEPT CLEAR OF FENCES, BUILDINGS, VEGETATION AND OTHER OBSTRUCTIONS TO THE OPERATION AND MAINTENANCE OF THE DRAINAGE FACILITY.

13. ALL PROPERTY TO DRAIN INTO THE DRAINAGE EASEMENT ONLY THROUGH AN APPROVED DRAINAGE STRUCTURE.

14. OWNERSHIP AND MAINTENANCE RESPONSIBILITY OF THE DETENTION FACILITY IS VESTED IN FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 134A.

15. ELEVATIONS USED FOR DELINEATING CONTOUR LINES ARE BASED ON NAVD 88, 1991 ADJUSTMENT.

16. THIS PLAT LIES WITHIN LIGHTING ZONE 3.

17. EASEMENTS AND/OR BUILDING OF RECORD ARE SHOWN ON THE PLAT OF ALIANA SEC 20, A SUBDIVISION RECORDED IN PLAT NO. 20120180 OF THE PLAT RECORDS OF FORT BEND COUNTY, TEXAS.

18. EASEMENTS AND/OR BUILDING OF RECORD ARE SHOWN ON THE PLAT OF ALIANA BINION LANE AND RESERVES, A SUBDIVISION RECORDED IN PLAT NO. 20110107 OF THE PLAT RECORDS OF FORT BEND COUNTY, TEXAS.

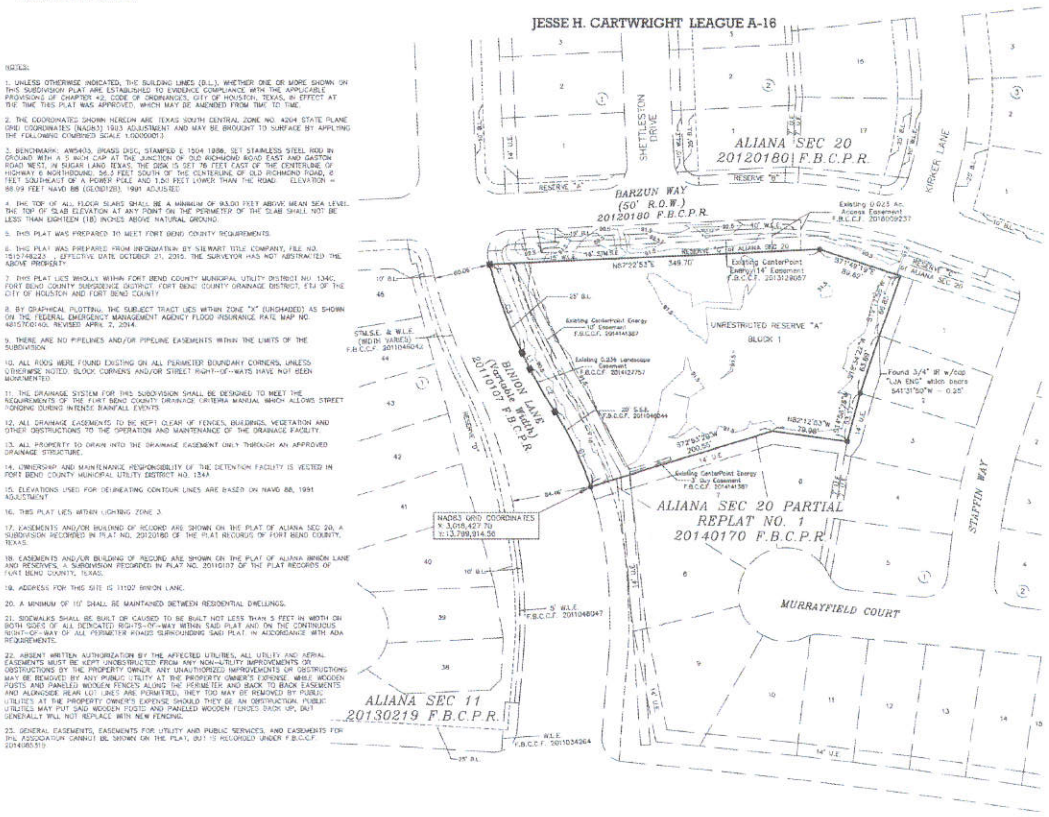
19. ADDRESS FOR THIS SITE IS 11107 BINION LANE.

20. A MINIMUM OF 10' SHALL BE MAINTAINED BETWEEN RESIDENTIAL DWELLINGS.

21. SIDEWALKS SHALL BE BUILT OR CAUSED TO BE BUILT NOT LESS THAN 5 FEET IN WIDTH ON BOTH SIDES OF ALL DEDICATED RIGHTS-OF-WAY WITHIN SAID PLAT AND ON THE CONTINUOUS RIGHT-OF-WAY OF ALL PERIMETER ROADS SURROUNDING SAID PLAT IN ACCORDANCE WITH ADA REQUIREMENTS.

22. ABSENT WRITTEN AUTHORIZATION BY THE AFFECTED UTILITIES, ALL UTILITY AND AERIAL EASEMENTS MUST BE KEPT UNOBSTRUCTED FROM ANY NON-UTILITY IMPROVEMENTS OR OBSTRUCTIONS BY THE PROPERTY OWNER. ANY UNAUTHORIZED IMPROVEMENTS OR OBSTRUCTIONS MAY BE REMOVED BY ANY PUBLIC UTILITY AT THE PROPERTY OWNER'S EXPENSE. WHILE WOODEN POSTS AND PANELED WOODEN FENCES ALONG THE PERIMETER AND BACK TO BACK EASEMENTS AND ALONGSIDE REAR LOT LINES ARE PERMITTED, THEY TOO MAY BE REMOVED BY PUBLIC UTILITIES AT THE PROPERTY OWNER'S EXPENSE SHOULD THEY BE AN OBSTRUCTION. PUBLIC UTILITIES MAY PUT SAID WOODEN POSTS AND PANELED WOODEN FENCES BACK UP, BUT GENERALLY WILL NOT REPLACE WITH NEW FENCING.

23. GENERAL EASEMENTS, EASEMENTS FOR UTILITY AND PUBLIC SERVICES, AND EASEMENTS FOR HOA ASSOCIATION CANNOT BE SHOWN ON THE PLAT, BUT TO RECORDED UNDER F.B.C.C.F. 2014085519.



PLAT
C0.3

RESERVE		
RESERVE	ACREAGE	SQ. FT.	TYPE
A	1.734	75,532.11	UNRESTRICTED RESERVE
TOTAL	1.734	75,532.11	----------

LEGEND
● =FOUND 3/4" IR w/cap "LJA ENG"
■ =FOUND "X" IN CONCRETE
B.L. =BUILDING LINE
W.L.E. =WATER LINE EASEMENT
W.A.E. =WATER LINE EASEMENT
S.S.E. =SANITARY SEWER EASEMENT
F.B.C.P.R. =FORT BEND COUNTY PUBLIC RECORDS
F.B.C.C.F. =FORT BEND COUNTY CLERK FILE

I, RICHARD W. STOLLEIS, 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 OF PARENT STREAM OR ON ANY OTHER AREA OF SUBDIVISION WITHIN THE WATERSHED.

_____
RICHARD W. STOLLEIS, P.E.
FORT BEND COUNTY ENGINEER

APPROVED BY THE COMMISSIONER'S COURT OF FORT BEND COUNTY, TEXAS, THIS _____ DAY OF _____, 2015

_____ _____
RICHARD MORRISON — GRADY PRESTAGE
PRECINCT 1, COMMISSIONER — PRECINCT 2, COMMISSIONER

_____ _____
ROBERT E. HEBERT — WA. (ANDY) MEYERS
COUNTY JUDGE — PRECINCT 3, COMMISSIONER

_____
JAMES PATTERSON
PRECINCT 4, COMMISSIONER

I, LAURA RICHARD, COUNTY CLERK IN AND FOR FORT BEND COUNTY, HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT WITH ITS CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORDATION IN MY OFFICE ON _____, 2015, AT _____ O'CLOCK _____M. IN PLAT NUMBER _____ OF THE PLAT RECORDS OF SAID COUNTY.

WITNESS MY HAND AND SEAL OF OFFICE, AT RICHMOND, TEXAS, THE DAY NO DATE LAST ABOVE WRITTEN.

_____
LAURA RICHARD, COUNTY CLERK
FORT BEND COUNTY, TEXAS

BY: _____
DEPUTY

ALIANA CHILD CARE

A SUBDIVISION OF 1.734 ACRES LOCATED IN THE JESSE H. CARTWRIGHT LEAGUE, ABSTRACT 16
FORT BEND COUNTY, TEXAS

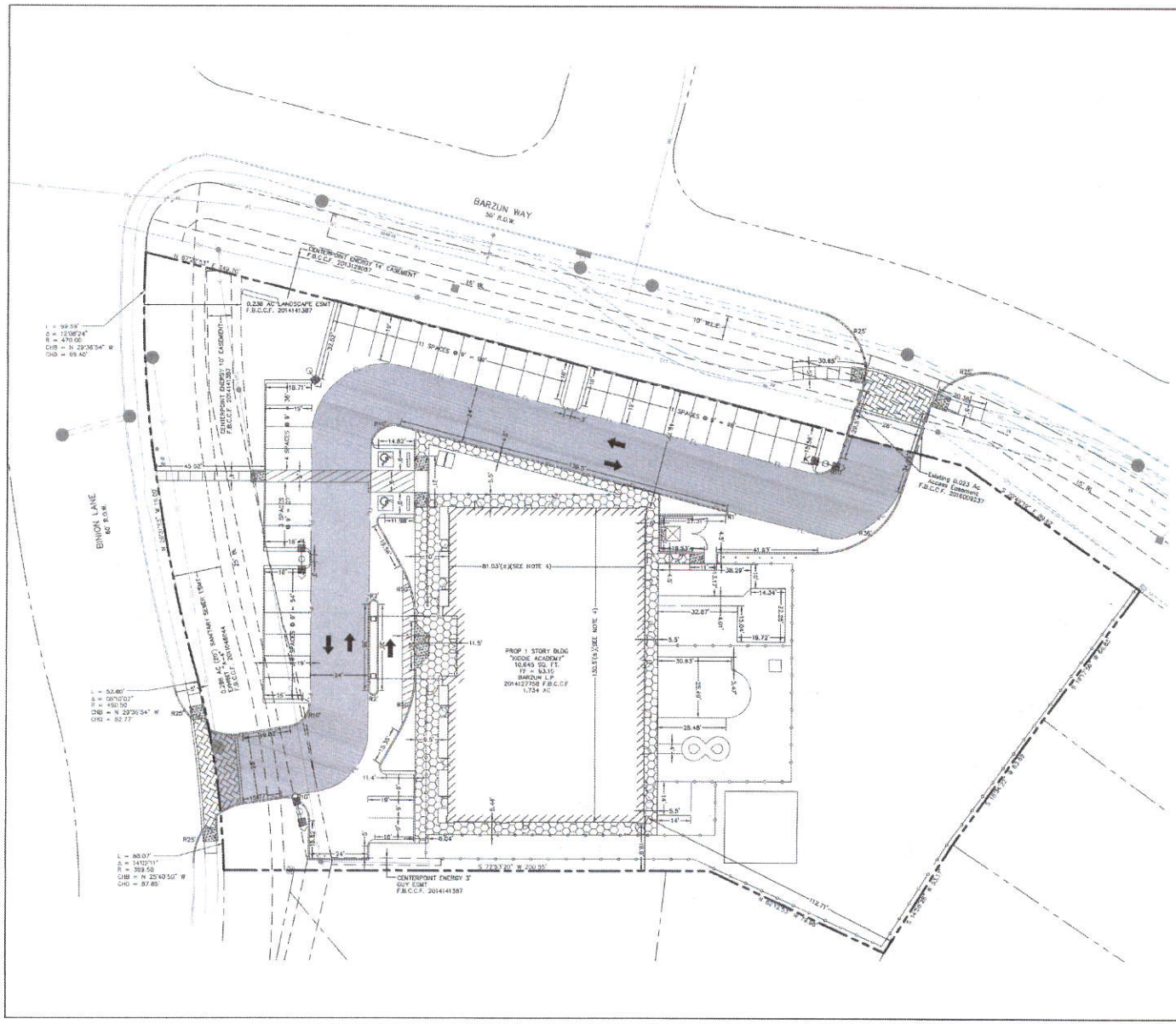
0 LOTS 1 BLOCK 1 RESERVE
FEBRUARY 4, 2016

OWNER:
BARZUN L.P.
JOHN R. DEBOBEN III, MANAGER
3005 Riverway Drive, Suite 150
Houston, Texas 77056
Phone: 713-871-9044

PLANNER:
IDENTITY ARCHITECTS
111 Travis Street
Houston, Texas 77002
Phone: 713-993-1150

ENGINEER:
ALI LINDSEY, LLC
9777 FM 2920 Rd. Suite 108
Hockley, Texas 77447
Phone: 281-351-5455

SURVEYOR:
MBCO Engineering, LLC.
13111 Westheimer Road, Suite 307
Houston, Texas 77077
TBPE Reg. No. F8480 | TBPLS Reg. No. 10194112
Phone: 281-786-4696 | www.mbcoengineering.com



SENCHMARK:
ELEVATIONS ARE BASED OFF AN NGS BENCHMARK WITH PID AW5403 WITH A PUBLISHED ELEVATION OF 96.39

1 inch = 20 ft.

GRAPHIC SCALE

LEGEND

- PROPOSED BUILDING PERIMETER SIDEWALK
- PROPOSED CURB RAMP
- PROPOSED FIRE LANE (RED STRIPING) (LABELED "FIRE LANE-NO PARKING-TOW AWAY ZONE")
- EX. MANHOLE
- EX. STORM SEWER
- EX. WATER LINE
- EX. SANITARY SEWER LINE
- EX. OVERHEAD POWER LINE

GENERAL NOTES

1. PAVEMENT DIMENSIONS AND RADII ARE TO FACE OF CURB, UNLESS OTHERWISE NOTED.
2. RADII ARE 3' UNLESS OTHERWISE NOTED.
3. REFER TO SITE ELECTRICAL PLAN FOR PROPOSED SITE LIGHTING LAYOUT.
4. REFER TO ARCHITECTURAL PLANS FOR BUILDING/FOUNDATION DIMENSIONS.

NO.	REVISIONS	DATE

ALJLindsey

A. LESTER JONES 108152 REGISTERED PROFESSIONAL ENGINEER

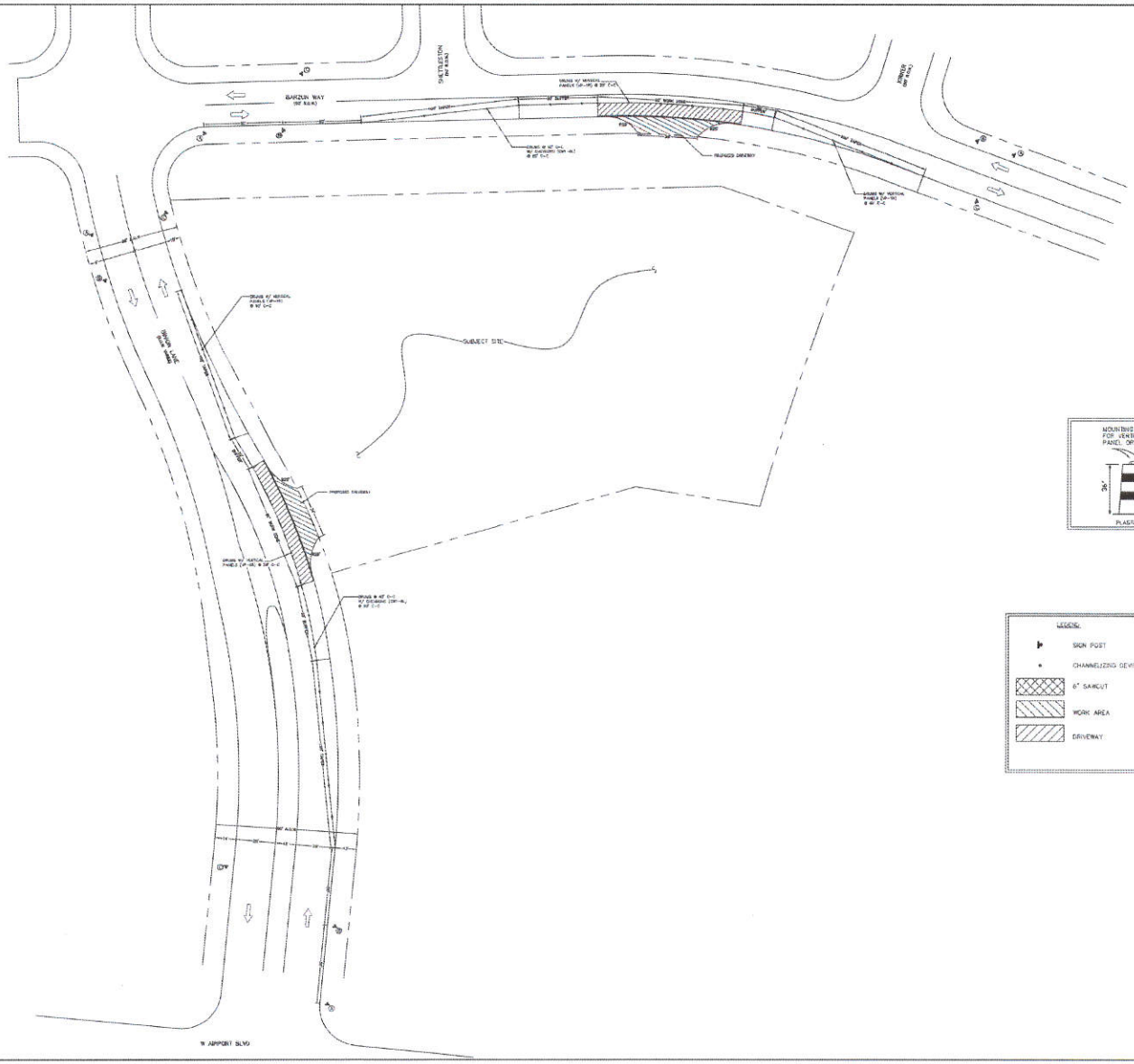
4 FEBRUARY 2016

DIMENSION CONTROL PLAN

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C1.0

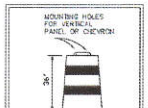
AUTHORIZATION IS VALID FOR 1 YEAR.
APPROVED: DEVELOPMENT COORDINATOR
DATE: 02/05/16

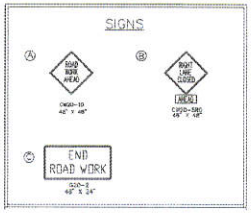


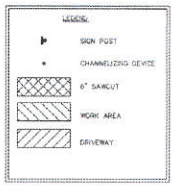
N.T.S.

DRIVEWAY INSTALLATION

BINION LANE	35 MPH
BRAZUN WAY	35 MPH
STREET NAME	SPEED LIMIT







TRAFFIC NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD – LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
2. NO LANES SHALL BE BLOCKED FROM 7 A.M. TO 9 A.M. AND 4 P.M. TO 6:30 P.M. MONDAY THRU FRIDAY.
3. OFF DUTY POLICE OFFICERS/FLAGGERS ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED.
4. CONTRACTOR SHALL COVER THE EXCAVATION WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW. IF COVERING IS NOT FEASIBLE, USE TRAFFIX FA 339 OFA 36" DELINEATOR OR APPROVED EQUAL WITH SHEETING AND BASE EPOXIED TO PAVEMENT NEXT TO EXCAVATION DURING NON-WORKING HOURS.
5. APPROVED COPIES OF "TRAFFIC CONTROL PLANS" SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
6. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLAN DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, (S)HE SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLAN(S) TO TRAFFIC SECTION OF HCPID FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION.

*THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLARS AND SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. PLANS WILL BECOME A PART OF THE CONTRACT DRAWINGS.

AUTHORIZATION IS VALID FOR 1 YEAR
APPROVED:
DATE: 02/11/16 DEVELOPMENT COORDINATOR

No.	REVISIONS	DATE

ALJLindsey
Civil Engineers
511 FM 1093 N., Suite 200
Richmond, Texas 77406
281.871.8866
TBPE F-10931

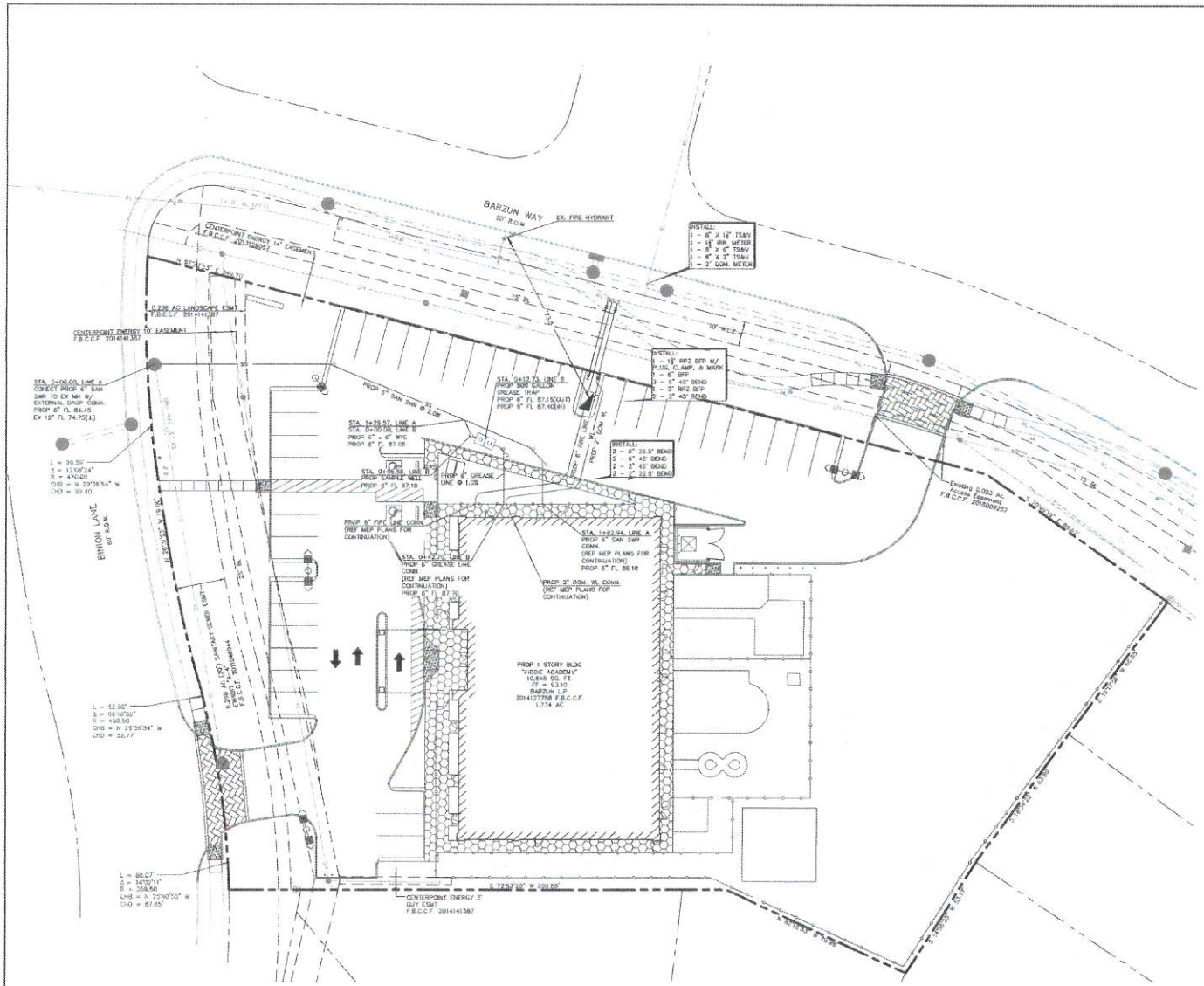
A. LESTER JONES
102150
REGISTERED
PROFESSIONAL ENGINEER

8 FEBRUARY 2016

TRAFFIC CONTROL PLAN

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C1.1



BENCHMARK:
ELEVATIONS ARE BASED OFF AN NGS BENCHMARK WITH PID AW5488 WITH A PUBLISHED ELEVATION OF 84.29

GRAPHIC SCALE

LEGEND

SS — CLEANOUT	PROPOSED SANITARY SEWER
WL	PROPOSED WATER LINE
FIRE	PROPOSED FIRE LINE
	EX. STORM SEWER
	EX. WATER LINE
	EX. SANITARY SEWER LINE
	EX. OVERHEAD POWER LINE

GENERAL NOTES

1. REFERENCE SANITARY SEWER, FIRE LINE, AND WATER LINE NOTES SHEET C0.1 FOR PIPE MATERIAL REQUIREMENTS
2. REFER TO SITE ELECTRICAL PLAN FOR PROPOSED SITE LIGHTING LAYOUT.
3. REFERENCE MEP PLANS FOR CONTINUATION OF SANITARY AND WATER FACILITIES INSIDE BUILDING.
4. ALL CLEANOUTS LOCATED WITHIN CONCRETE PAVEMENT TO BE TRAFFIC RATED.
5. PLEASE CONTACT THE DISTRICT'S OPERATOR, SEVERN TRENT SERVICES, FOR CONNECTIONS TO THE WATER LINE. THE DISTRICT'S CONTACT PERSON IS CLAY BRANDENBURG, WHO CAN BE REACHED AT 281-646-2338. INFORMATION ON TAP FEES FOR CONNECTION TO DISTRICT FACILITIES CAN BE OBTAINED FROM THE OPERATOR.

LANDSCAPING NOTE

ALL IRRIGATION AND LANDSCAPING DISTURBED AS PART OF CONSTRUCTION TO BE REPAIRED BY CONTRACTOR. PLEASE NOTE THAT THIS REPAIR MAY NEED TO BE PREFORMED BY THE H.O.A.'S CONTRACTOR.

SUBMITTAL NOTE

PLANS FOR UNDERGROUND FIRE LINE TO BE SUBMITTED BY A STATE LICENSED UNDERGROUND FIRE LINE CONTRACTOR.

NO.	REVISIONS	DATE

ALJLindsey
Civil Engineers
6111 FM 1960 W, Suite 290
Houston, Texas 77069
281-397-9889
FIRM # F-1386

A. LESTER JONES
102159
REGISTERED PROFESSIONAL ENGINEER

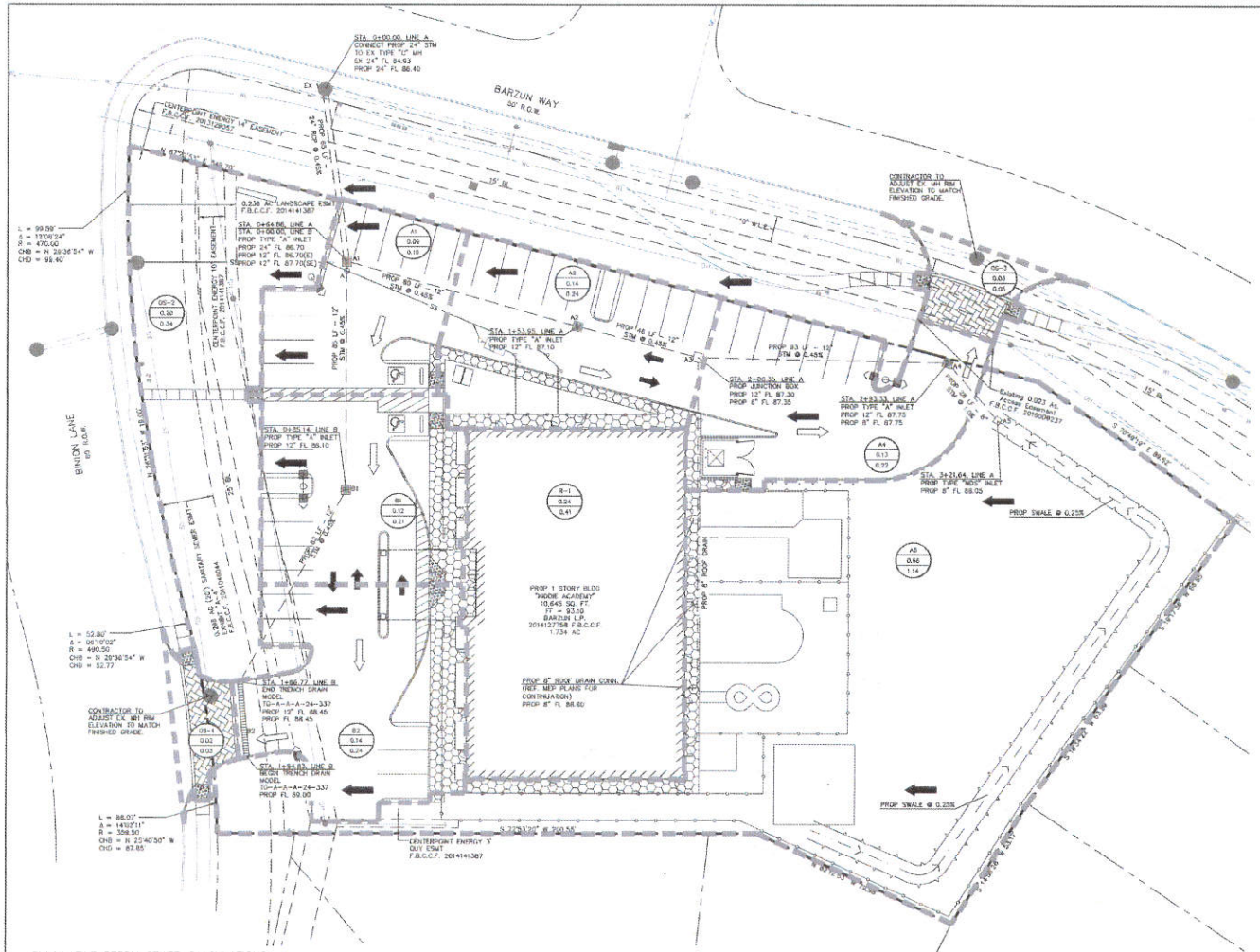
4 FEBRUARY 2016

UTILITY PLAN

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C2.0

AUTHORIZATION IS VALID FOR 1 YEAR
APPROVED: DEVELOPMENT COORDINATOR
DATE 02/08/16



BENCHMARK:
ELEVATIONS ARE BASED OFF AN NGS BENCHMARK WITH PID AW5405 WITH A PUBLISHED ELEVATION OF 86.93

1 inch = 20 ft.

GRAPHIC SCALE

LEGEND

- B-A / AC / CFS — DRAINAGE AREA NUMBER / ACREAGE (AC) / DRAINAGE AREA FLOW (CFS)
- PROP. DRAINAGE AREA BOUNDARY
- EXISTING SHEET FLOW PATTERN
- EXTREME EVENT OVERLAND FLOW
- PROPOSED STORM SEWER
- PROPOSED TYPE "A" INLET
- PROPOSED TYPE "NDS" INLET
- PROPOSED TRENCH DRAIN
- EX. STORM SEWER
- EX. WATER LINE
- EX. SANITARY SEWER LINE

GENERAL NOTES

1. REFERENCE STORM SEWER NOTES SHEET C0.1 FOR PIPE MATERIAL REQUIREMENTS.
2. REFERENCE MOP PLANS FOR EXACT CONTINUATION OF PROPOSED STORM SEWER INSIDE OF BUILDING.
3. FOR TYPE TYPE "A" INLET", TRENCH DRAIN, JUNCTION BOX, TYPE "NDS" INLET, AND BACKFILL DETAILS, SEE SHEETS C7.0

CROSSING TABLE

	SAN	STM	O/R
A	8" 86.00'	12" 87.73'	1.23'

MAX PONDING DEPTHS

DRAINAGE AREA	MAX POND DEPTH	MAX POND ELEVATION
B2	.05'	89.55'
B1	.45'	91.75'
A4	.35'	91.20'
A2	.65'	91.90'
A1	.50'	91.85'

CUMULATIVE STORM SEWER CALCULATIONS

Upstream Drng No.	Downstream Drng No.	Area	Total Area	C	Total C*A	TC	Cumulative Flow C*I (3)	Q (3)	I (100)	Q (100)	Pipe Diameter	Pipe Slope	Design Capacity	Design Velocity	Actual Velocity	Hydraulic Slope
A5	A4	0.660	0.660	0.2	0.13	10.00	1.72	1.14	9.36	1.55	0.67	1.00%	1.23	3.48	3.22	0.85%
A4	A3	0.130	0.790	0.8	0.24	10.00	1.72	1.36	9.36	2.26	1	0.45%	2.40	3.05	1.73	0.14%
A3	A2	0.000	1.080	0.8	0.31	10.00	1.72	1.77	9.36	1.61	1	0.45%	2.40	3.05	2.26	0.25%
A2	A1	0.140	1.340	0.8	0.42	10.00	1.72	2.01	9.36	4.92	1	0.45%	2.40	3.05	2.56	0.32%
A1	EX	0.090	1.520	0.8	0.70	10.00	1.72	2.61	9.36	8.19	2	0.45%	15.22	4.84	0.83	0.01%
B2	B1	0.140	0.140	0.8	0.11	10.00	1.72	0.24	9.36	1.31	1	0.45%	2.40	3.05	0.31	0.00%
B1	A3	0.120	0.260	0.8	0.21	10.00	1.72	0.45	9.36	7.43	1	0.45%	2.40	3.05	0.57	0.02%
B1	A3	0.240	0.240	0.3	0.07	10.00	1.72	0.41	9.36	0.84	0.67	1.00%	1.23	3.48	1.17	0.11%

*THE DRAINAGE CALCULATIONS LISTED ABOVE ARE BASED ON THE 3-YEAR & 100-YEAR STORM EVENTS PER THE FORT BEND COUNTY, INFRASTRUCTURE DESIGN MANUAL.

No.	REVISIONS	DATE

ALJLindsey
ALJ Lindsey & Associates, Inc.
6111 Gulf Freeway, Suite 200
Houston, Texas 77023
713.621.7800
TBPELS F-928

A. LESTER JONES
102182
REGISTERED
PROFESSIONAL ENGINEER

4 FEBRUARY 2016

STORM SEWER PLAN

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C3.0

AUTHORIZATION IS VALID FOR 1 YEAR.
APPROVED: _____ DEVELOPMENT COORDINATOR
DATE: 02/08/16

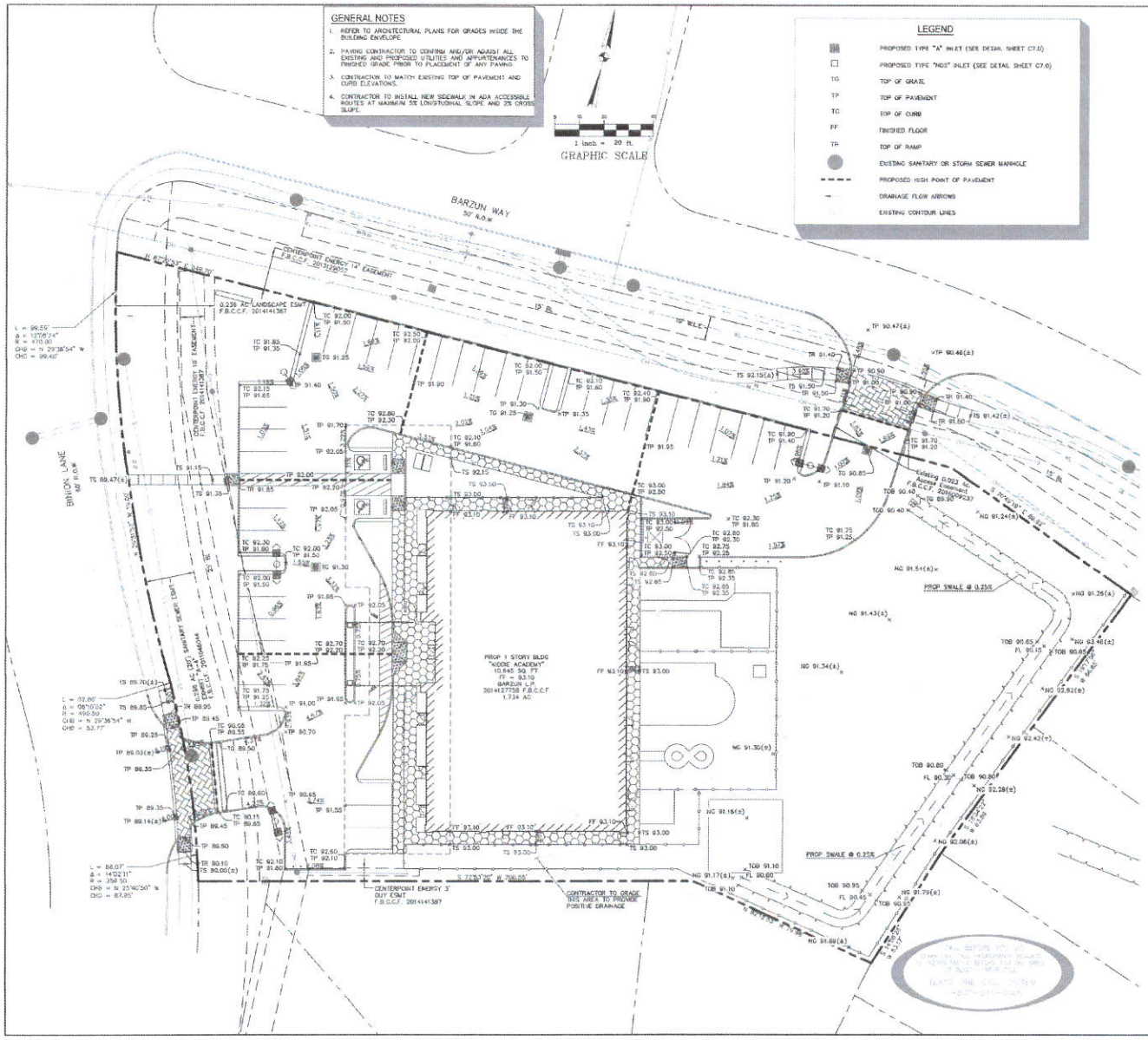
GENERAL NOTES

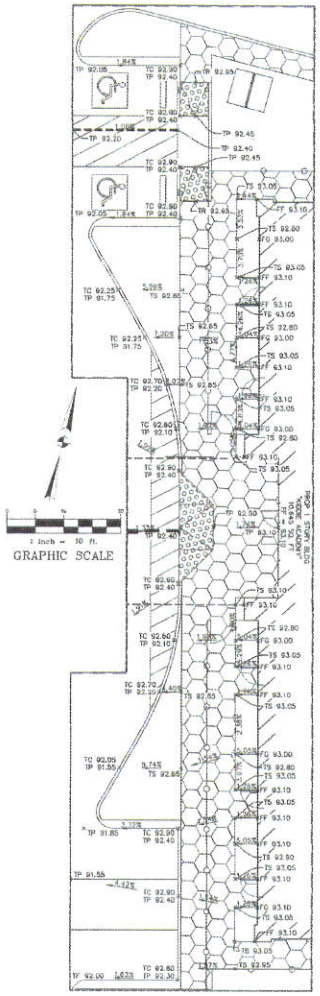
1. REFER TO ARCHITECTURAL PLANS FOR GRADES INSIDE THE BUILDING ENVELOPE.
2. PAVING CONTRACTOR TO CONFIRM AND/OR ADJUST ALL EXISTING AND PROPOSED UTILITIES AND APPURTENANCES TO FINISHED GRADE PRIOR TO PLACEMENT OF ANY PAVING.
3. CONTRACTOR TO MATCH EXISTING TOP OF PAVEMENT AND CURB ELEVATIONS.
4. CONTRACTOR TO INSTALL NEW SIDEWALK IN ADA ACCESSIBLE ROUTES AT MAXIMUM 5% LONGITUDINAL SLOPE AND 2% CROSS SLOPE.

LEGEND

- PROPOSED TYPE "A" INLET (SEE DETAIL SHEET C7.0)
- PROPOSED TYPE "NOS" INLET (SEE DETAIL SHEET C7.0)
- TG — TOP OF GRATE
- TP — TOP OF PAVEMENT
- TC — TOP OF CURB
- FF — FINISHED FLOOR
- TR — TOP OF RAMP
- EXISTING SANITARY OR STORM SEWER MANHOLE
- PROPOSED HIGH POINT OF PAVEMENT
- DRAINAGE FLOW ARROWS
- EXISTING CONTOUR LINES

BENCHMARK:
ELEVATIONS ARE BASED OFF AN NGS BENCHMARK WITH PID AW5462 WITH A PUBLISHED ELEVATION OF 86.84





No.	REVISIONS	DATE

ALLindsey

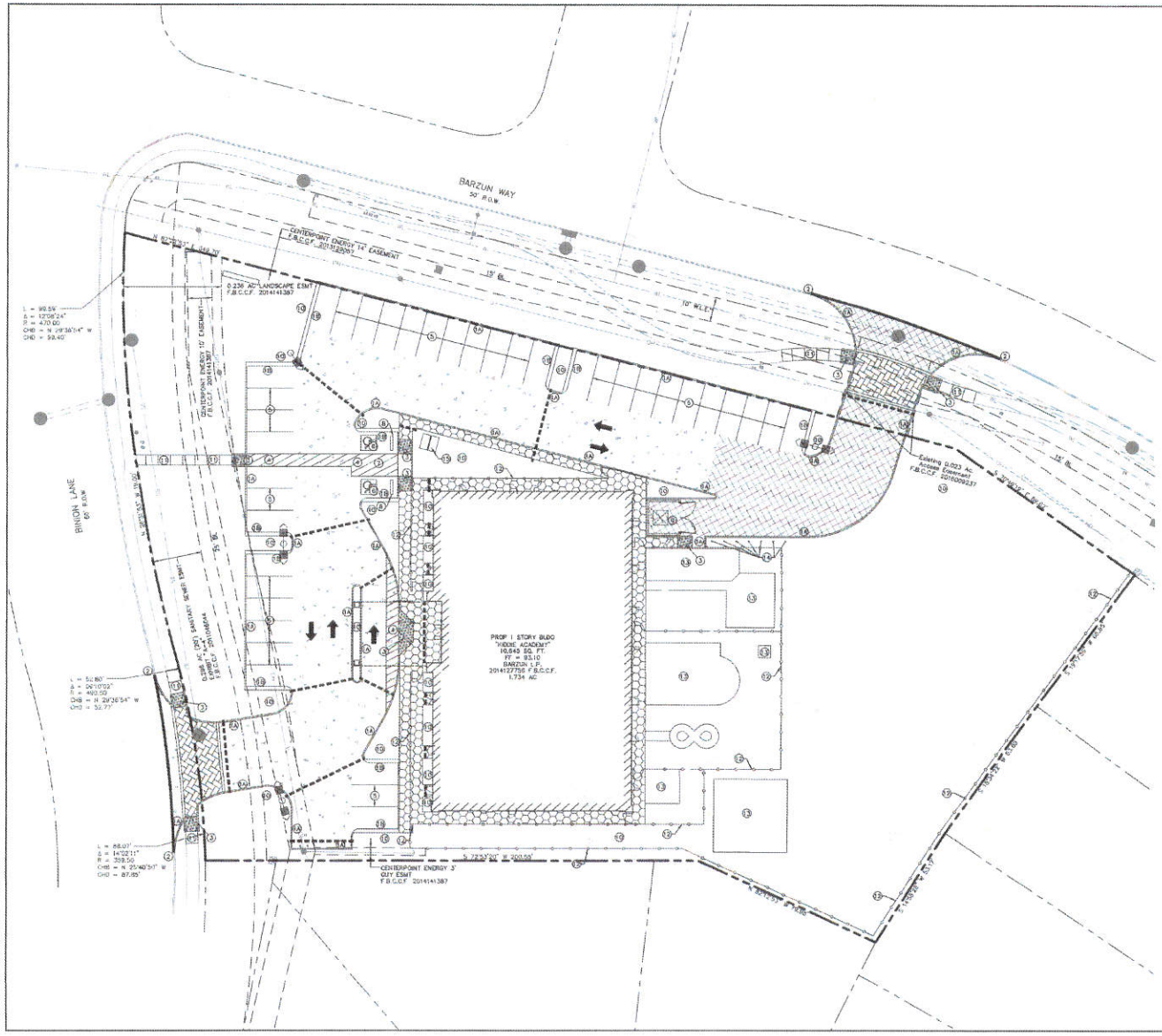
A. LESTER JONES
102152
REGISTERED
PROFESSIONAL ENGINEER
4 FEBRUARY 2016

GRADING PLAN

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C4.0

AUTHORIZATION IS VALID FOR 1 YEAR.
APPROVED: _____
DEVELOPMENT COORDINATOR
DATE: 02/15/16



BENCHMARK
ELEVATIONS WERE BASED OFF AN NGS BENCHMARK WITH PID AW3492 WITH A PUBLISHED ELEVATION OF 94.97

1 inch = 20 ft.

GRAPHIC SCALE

KEYED NOTES

- (14) PROPOSED 8" MONOLITHIC CONCRETE CURB (SEE DETAIL, SHEET C7.1)
- (15) PROPOSED 6" X 18" MONOLITHIC CONCRETE CURB (SEE DETAIL, SHEET C7.1)
- (2) TIE PROPOSED CURB INTO EXISTING CURB
- (3) CONSTRUCT CURB RAMP (SEE DETAIL, SHEET C7.1)
- (4) 4" PAINTED WHITE STRIPING @ 2' O.C. @ 45°
- (5) 90° WHITE PARKING LOT STRIPING
- (6) HANDICAP PARKING SYMBOL & SIGNAGE (SEE DETAIL, SHEET C7.1 & C7.4)
- (7) HANDICAP ACCESSIBLE PARKING STALL STRIPING
- (8) WHEEL STOP (SEE DETAIL, SHEET C7.1)
- (9) DUMPSTER ENCLOSURE
- (10) LANDSCAPED AREA (REF. LANDSCAPE PLANS)
- (11) CONCRETE SIDEWALK (WIDTH PER PLANS)(SEE DETAIL, SHEET C7.1)
- (12) FENCE (REF. ARCHITECTURAL PLANS)
- (13) PLAYGROUND (REF. ARCHITECTURAL PLANS)
- (14) BOLLARD (SEE DETAIL, SHEET C7.4)
- (15) BIKE RACK (REF. ARCHITECTURAL PLANS)

- PROPOSED LIGHT DUTY CONCRETE PAVEMENT WITH STABILIZED SUBGRADE (SEE NOTE 2 BELOW)
- PROPOSED MEDIUM DUTY CONCRETE PAVEMENT WITH STABILIZED SUBGRADE (SEE NOTE 2 BELOW)
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT WITH STABILIZED SUBGRADE (SEE NOTE 2 BELOW)
- PROPOSED BUILDING PERIMETER SIDEWALK (REF. ARCHITECTURAL PLANS FOR SURFACE FINISH, SEE GRADING ON SHEET C4.0)
- PROPOSED BRICK PAVERS (REF. ARCHITECTURAL PLANS)
- PROPOSED IRRIGATION SLEEVE (SEE NOTE 3)
- CONCRETE TO CONCRETE PAVEMENT CONNECTION (INCLUDING 2' SAWCUT, EXISTING PAVEMENT REMOVAL, EXISTING CURB REMOVAL, DOWEL INTO EXISTING PAVEMENT, CONCRETE PAVEMENT HEADER AND SEALED JOINTS)

GENERAL NOTES

1. REFER TO SITE ELECTRICAL PLAN FOR PROPOSED SITE LIGHTING LAYOUT.
2. PAVEMENT AND SUBGRADE THICKNESS INCLUDED ON THIS SHEET FOR REFERENCE ONLY. REFER TO GEOTECHNICAL REPORT PREPARED BY LML ENGINEERING DATED 10.16.2015 (PROJECT NUMBER 28010-R-03.MA)
3. REFER TO IRRIGATION PLAN FOR EXACT LOCATION OF IRRIGATION SLEEVES.
4. MAXIMUM CONTROL JOINT SPACING TO BE 15-FT AND EXPANSION JOINT SPACING TO BE 60-FT.
5. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND ALL STEEL TO BE GRADE 60, UNLESS OTHERWISE NOTED BY GEOTECHNICAL REPORT.

MULTIPLE EXISTING PUBLIC AND PRIVATE UTILITY LINES EXIST ON THIS SITE. THE UTILITY LINES SHOWN ON THESE DRAWINGS REFLECT INFORMATION OBTAINED FROM RECORD DRAWINGS AND MAY NOT INCLUDE ALL EXISTING UTILITIES. CONTRACTOR IS TO USE EXTREME CAUTION DURING ALL CONSTRUCTION ACTIVITIES AND IS SOLELY RESPONSIBLE FOR DAMAGE TO EXISTING FACILITIES.

NO.	REVISIONS	DATE

ALJLindsey
2.0 Engineers
2100 Ross Ave., Suite 2700
Dallas, TX 75201
214.871.7000
FIRM #F-1058

A. LESTER JONES
102150
REGISTERED
PROFESSIONAL ENGINEER
4 FEBRUARY 2016

PAVING PLAN

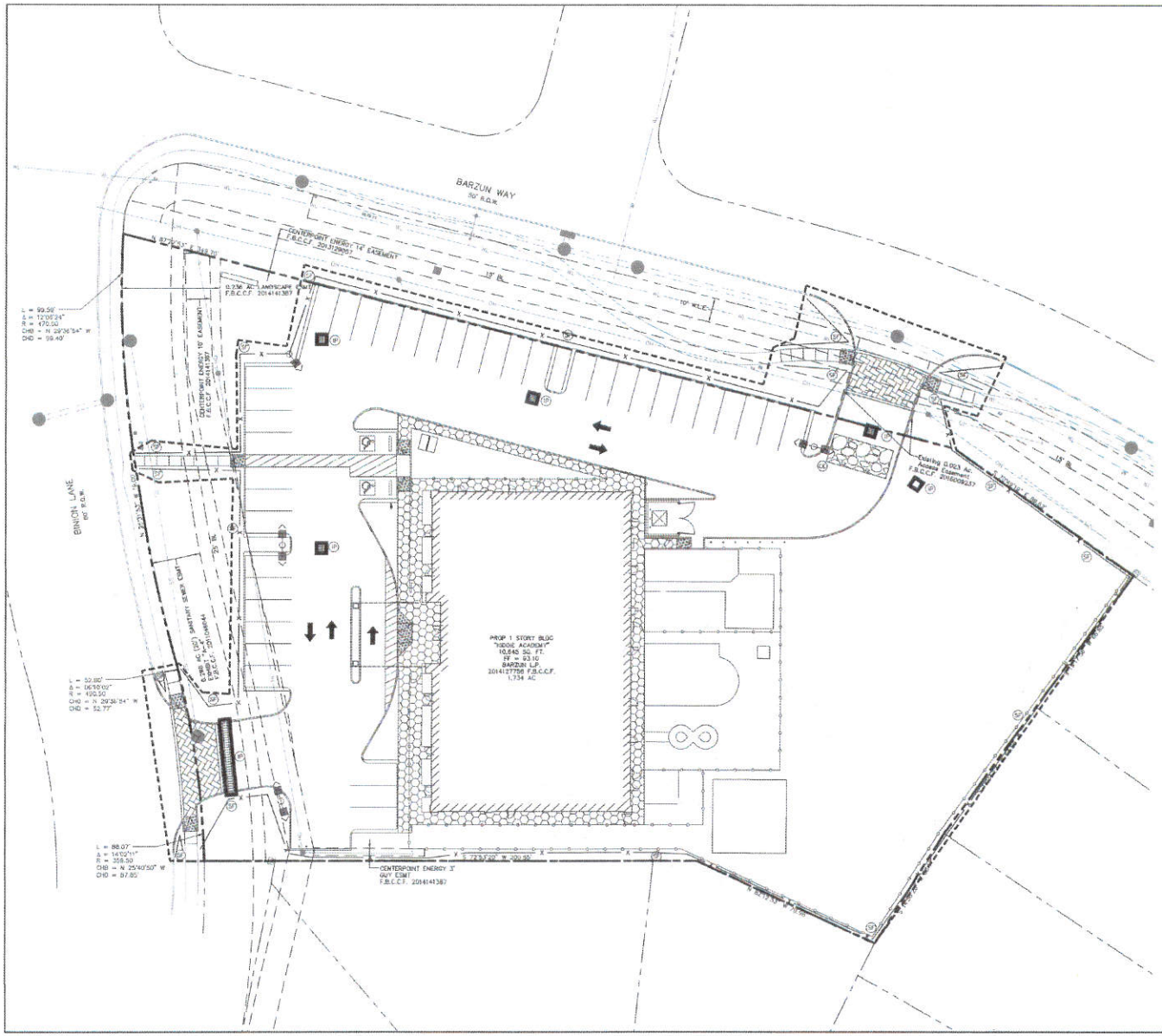
KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

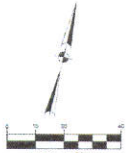
SHEET
C5.0

AUTHORIZATION IS VALID FOR 1 YEAR

APPROVED: _____
DEVELOPMENT COORDINATOR

DATE: 04/05/16





GRAPHIC SCALE

LEGEND

	CONSTRUCTION ENTRANCE (SEE DETAIL, SHEET C7.4)
	SILT FENCE (SEE DETAIL, SHEET C7.4)
	INLET PROTECTION BARRIER (SEE DETAIL, SHEET C7.4)
	LIMITS OF DISTURBED AREA

SITE DATA

TOTAL LOT AREA	1.734 AC
TOTAL AREA DISTURBED	1.72 AC
PAVED AREA AT COMPLETION	0.62 AC
ROOFED AREA AT COMPLETION	0.24 AC
LANDSCAPED AREA AT COMPLETION	0.87 AC

NO.	REVISIONS	DATE

ALLindsey

A. LESTER JONES
102152
REGISTERED
PROFESSIONAL ENGINEER

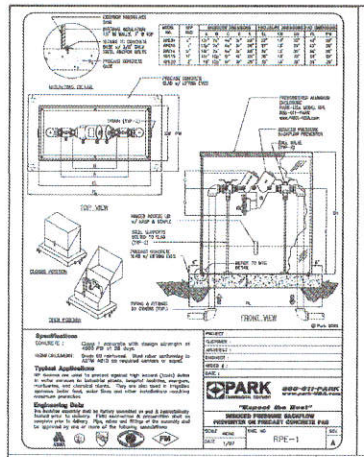
4 FEBRUARY 2016

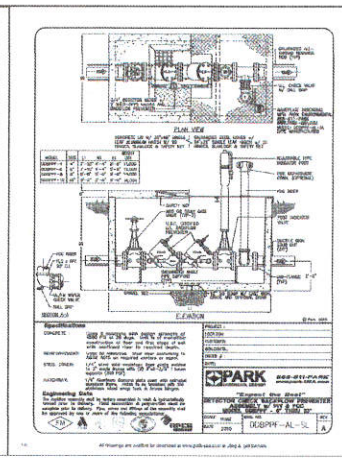
EROSION CONTROL PLAN

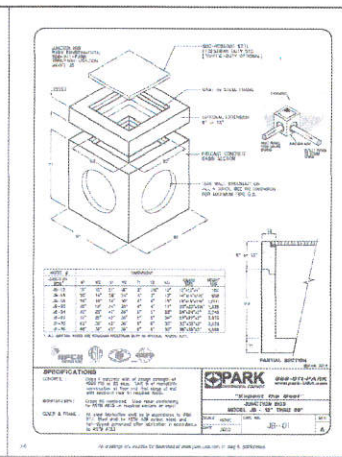
KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

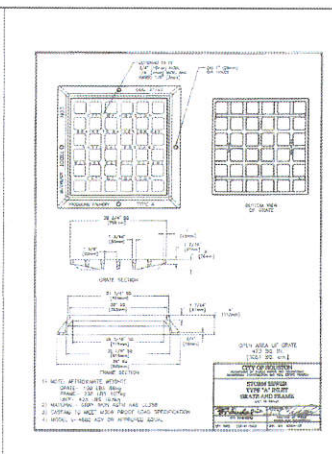
SHEET
C6.0

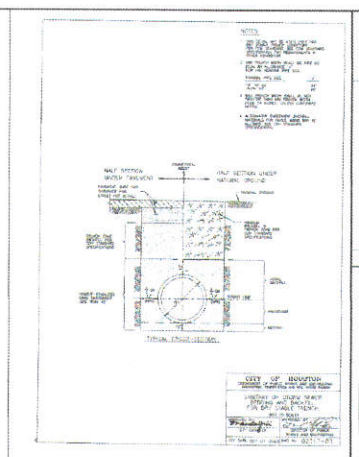
AUTHORIZATION IS VALID FOR ONE YEAR.
APPROVED:
DATE: 02/05/16
DEVELOPMENT COORDINATOR

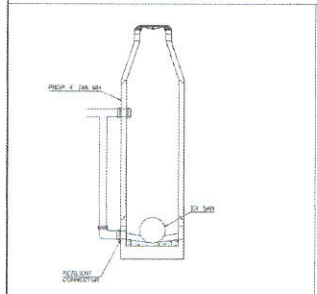




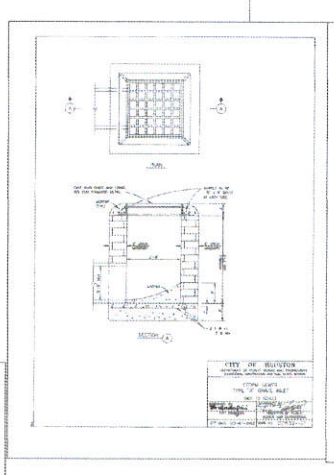


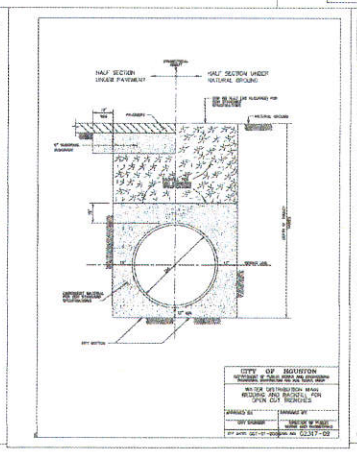


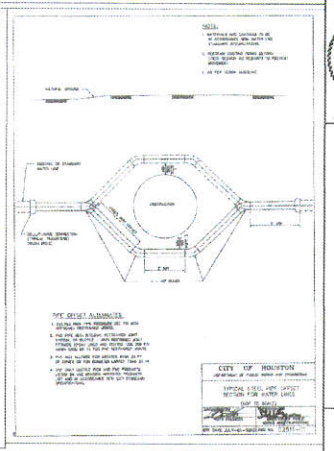


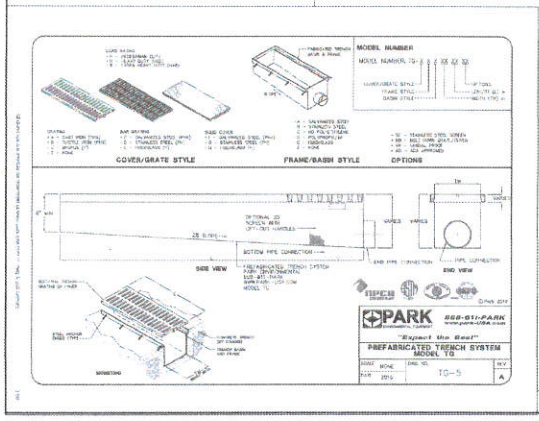


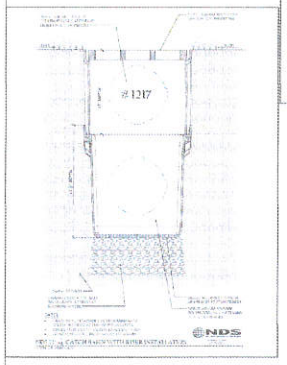
EXTERNAL DROP CONNECTION DETAIL











AL Lindsey

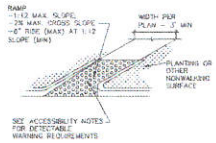
4 FEBRUARY 2016

CONSTRUCTION DETAILS
(1 OF 5)

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C7.0

AUTHORIZATION IS VALID FOR 1 YEAR
APPROVED:
DEVELOPMENT COORDINATOR
DATE: 02/05/16



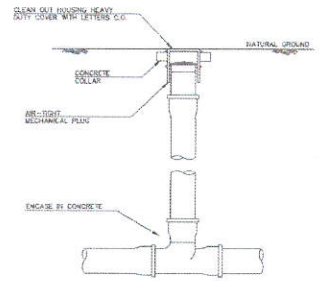
CURB RAMP DETAIL - SQUARE SIDES
N.T.S.

ACCESSIBILITY NOTES:

1. ALL ACCESSIBLE SPACES AND ACCESSIBLE ROUTES SHALL COMPLY WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND CITY/COUNTY REQUIREMENTS.
2. ACCESSIBLE PARKING SPACES AND DRIVE AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:48 (2.08%) IN ALL DIRECTIONS. CURB RAMPS SHALL BE PROVIDED AT ALL PASSENGER LOADING ZONES.
3. EACH ACCESSIBLE PARKING SPACE SHALL BE DESIGNATED AS RESERVED BY AN APPROPRIATE SIGN SHOWING THE SYMBOL OF ACCESSIBILITY PER TAS SECTION 216.5. SPACES COMPLYING WITH TAS SECTION 502.6 SHALL HAVE AN ADDITIONAL SIGN "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY.
   A. SIGNS SHALL BE LOCATED 60" MIN. ABOVE THE GROUND, FLOOR, OR PAVING SURFACE MEASURED TO THE BOTTOM OF THE SIGN SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
   B. SIGNS LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL COMPLY WITH TAS SECTION 307.4.
   C. CHARACTERS AND SYMBOLS ON OVERHEAD SIGNS SHALL COMPLY WITH TAS SECTION 703.5.
4. SLOPES OF CURB RAMPS SHALL COMPLY WITH TAS SECTION 405.2. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.
5. SURFACES OF CURB RAMPS SHALL COMPLY WITH TAS SECTIONS 405.4 AND 302.1.

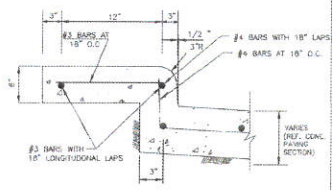
CURB RAMPS IN PUBLIC RIGHT-OF-WAY:
ALL CURB RAMPS SHALL COMPLY WITH ARCHITECTURAL BARRIERS ADMINISTRATIVE RULE 68.102(B)(2).
   A. DETECTABLE WARNING STRIP SHALL EXTEND A MINIMUM OF 24" IN DEPTH (IN DIRECTION OF PEDESTRIAN TRAVEL)
   B. DETECTABLE WARNING STRIP SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING.

CURB RAMPS NOT IN PUBLIC RIGHT-OF-WAY:
ALL CURB RAMPS NOT CONSTRUCTED IN PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH TAS 406.
   A. DETECTABLE WARNING STRIPS ARE NOT REQUIRED ON CURB RAMPS NOT IN PUBLIC RIGHT-OF-WAY.



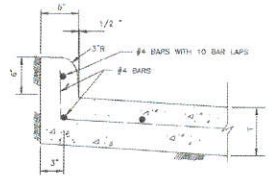
CLEANOUT SERIES 820 MADE BY JOSAM MANUFACTURING CO., OR APPROVED EQUAL WITH SCORIATED COVER AND BRASS INTERNAL PLUG.

CLEANOUT DETAIL
N.T.S.



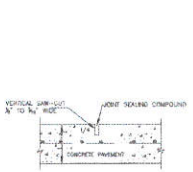
1. PROVIDE EXPANSION JOINTS AT ALL CURVES, TANGENTS AND CORNERS.
2. SUBGRADE TO EXTEND 1' PAST BACK OF CURB
3. SACK FINISH EXPOSED SURFACES.
4. FINISH TO BE ACCOMPLISHED BY FLOATING, STEEL TROWELLING AND THEN BRUSHING. HAND FINISH NOT REQUIRED WHEN CURB IS NOT POURED BY A MACHINE, BUT CURB WILL HAVE THE SAME OUTSIDE DIMENSIONS, AND HAVE A BRUSHED FINISH.

6" x 18" MONOLITHIC CONCRETE CURB
N.T.S.



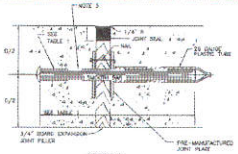
1. PROVIDE EXPANSION JOINTS AT ALL CURVES, TANGENTS AND CORNERS.
2. SUBGRADE TO EXTEND 1' PAST BACK OF CURB
3. SACK FINISH EXPOSED SURFACES.
4. FINISH TO BE ACCOMPLISHED BY FLOATING, STEEL TROWELLING AND THEN BRUSHING. HAND FINISH NOT REQUIRED WHEN CURB IS NOT POURED BY A MACHINE, BUT CURB WILL HAVE THE SAME OUTSIDE DIMENSIONS, AND HAVE A BRUSHED FINISH.

6" MONOLITHIC CONCRETE CURB
N.T.S.



ALL JOINT TO BE PROPERLY SEALED WITH JOINT SEALING COMPOUND CONSISTING OF TWO-PART POURABLE, URETHANE JOINT SEALANT, TYPE M, GRADE P, CLASS 25, USE 1

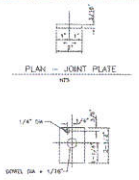
CONTROL JOINT
N.T.S.



SECTION
DOWEL TYPE EXPANSION JOINT
NTS

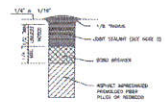
TABLE 1

PAVEMENT THICKNESS (IN)	DOWEL SIZES AND SPACINGS		
	DIAMETER (IN)	LENGTH (IN)	SPACING (IN)
6	3/4	18	12
7	1	18	12
8	1	18	12
9	1 1/4	18	12
10	1 1/4	18	12
11	1 1/4	18	12
12	1 1/4	18	12

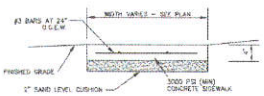


NOTES:

1. STEEL TO MEET ASTM STANDARD SPECIFICATIONS FOR CONCRETE REINFORCING BARS. SPACING AND BAR SIZE MAY BE REDUCED IF GEOTECHNICAL REPORT PROVIDES RECOMMENDATIONS.
2. COVER DOWEL HORIZONTALLY ON JOINT.
3. CLINCH DOWEL VERTICALLY IN CONCRETE BASE EXCEPT THICKENED CONCRETE AS NEEDED TO MAINTAIN 2" MIN COVER.
4. THE LOCATION OF CONSTRUCTION JOINTS MAY BE VARIED WITH THE APPROVAL OF THE COUNTY ENGINEER.
5. JOINT SEALANT TO BE TWO-PART POURABLE URETHANE JOINT SEALANT, TYPE M, GRADE P, CLASS 25, USE 1.



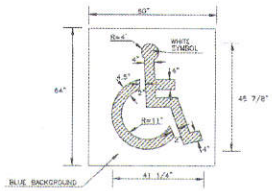
EXPANSION JOINT
N.T.S.



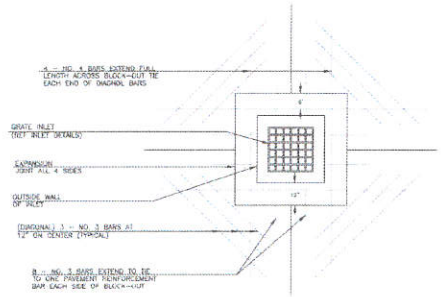
NOTES:

1. PROVIDE 3/8" GROOVED CONTROL JOINTS AT 5' CENTERS.
2. PROVIDE 1/2" EXPANSION JOINTS AT 25', MAXIMUM SPACING AND FILLED WITH PREMOLDED BITUMINOUS EXPANSION JOINT FILLER MATERIAL OR REDWOOD. EXPANSION JOINTS SHALL HAVE #4 DOWELS, LUBRICATED, 18" LONG, AT 18" CENTERS, 6" FROM EDGE.
3. PROVIDE 1/2" BITUMINOUS EXPANSION JOINT FILLER MATERIAL WHERE WALK ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE.
4. REFER TO CITY OR COUNTY DETAILS FOR ALL PUBLIC SIDEWALKS.
5. SIDEWALK SHALL NEVER EXCEED 2% CROSS SLOPE OR 5% LONGITUDINAL SLOPE.

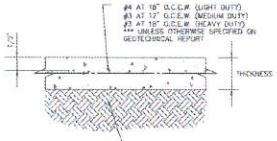
CONCRETE SIDEWALK
N.T.S.



HANDICAP SURFACE PAINT DETAIL
N.T.S.

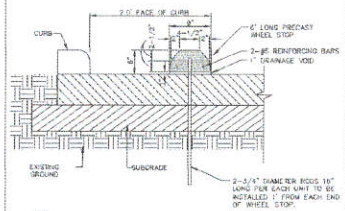


GRATE INLET CONCRETE BLOCKOUT
N.T.S.



* = FOR REQUIRED PAVEMENT/SUBGRADE THICKNESS, SEE HATCHING ON PLAN. REFERENCE GEOTECHNICAL REPORT FOR SPECIFICATIONS.

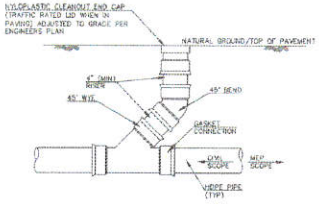
CONCRETE PAVING SECTION



NOTES:

1. CONCRETE USED FOR WHEEL STOP TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI.

WHEEL STOP
N.T.S.



1) ALL JOINTS TO HAVE WATERTIGHT GASKETS
2) REFER TO MEP PLANS FOR CONNECTION TO DOWNSPOUT OR ROOF DRAIN LINE
3) REFER TO CIVIL PLANS FOR LOCATION OF ROOF DRAIN CLEANOUT
4) RISER SHALL BE PVC BELOW PROPOSED OR FUTURE PAVING AND MAY BE EITHER PVC OR HDPE BELOW LANDSCAPING

ROOF DRAIN CLEANOUT DETAIL
N.T.S.

NO.	REVISIONS	DATE

ALJLindsey
ALJ LINDSEY & ASSOCIATES, INC.
2111 E.B. PECK PL, SUITE 200
SUGAR LAND, TEXAS 77479
281.367.7200
FIRM #11522

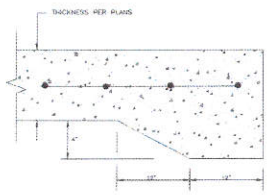
A. LUBER JONES
102152
REGISTERED
PROFESSIONAL ENGINEER
4 FEBRUARY 2016

CONSTRUCTION DETAILS
(2 OF 5)

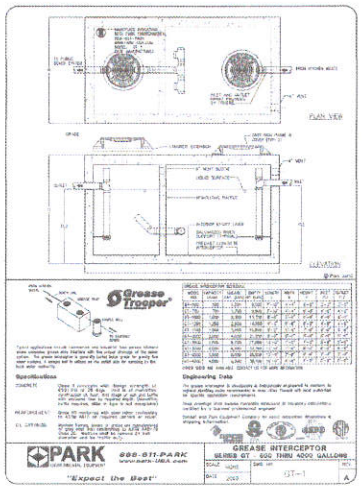
KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

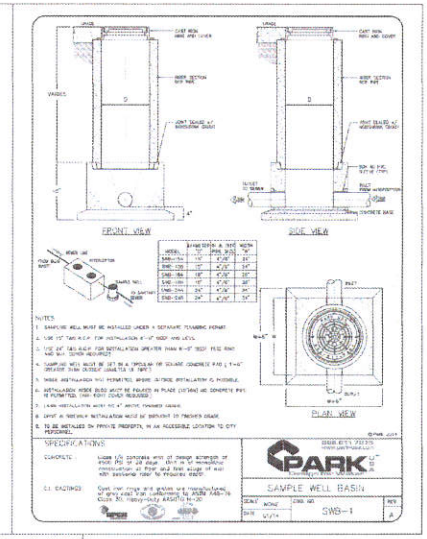
SHEET
C7.1

AUTHORIZATION IS VALID FOR 1 YEAR.
APPROVED: _____
DEVELOPMENT COORDINATOR
DATE: 07/08/16

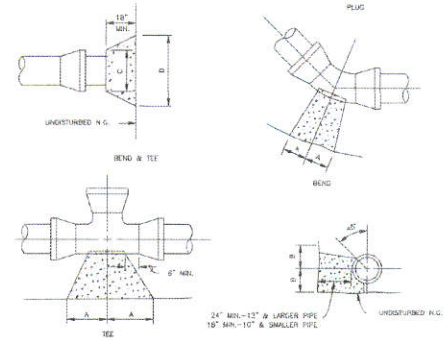


STANDARD PAVING HEADER
N.T.S.



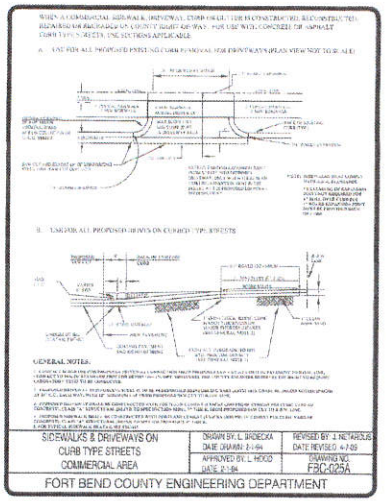


SIZE	90° BEND		45° BEND		22 1/2°BEND		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
3 1/2 "	12"	7"	6"	7"	6"	6"	7"	6"	6"	14"
4"	14"	8"	7"	8"	6"	6"	8"	11"	8"	18"
6"	18"	10"	9"	10"	8"	6"	10"	13"	10"	21"
8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	26"
12"	29"	21"	16"	21"	11"	16"	18"	24"	16"	41"
16"	38"	27"	21"	27"	12"	24"	24"	30"	20"	54"



NOTE:
THRUST BLOCKS AT TRENCH FACE MUST HAVE A MINIMUM BEARING SURFACE OF 1.0 SQ. FOOT AND THE LEAST DIMENSION SHALL BE NO SMALLER THAN 1.5 TIMES PIPE DIAMETER, BUT NOT LESS THAN 3.0 FT.

THRUST-BLOCKING
N.T.S.

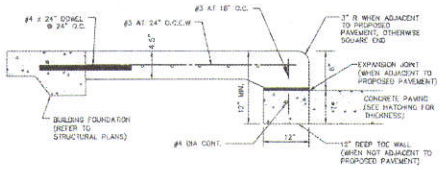


GENERAL NOTES FOR SIDEWALKS AND DRIVEWAYS

1. SAW CUT EXISTING CURB AT EACH END AND KNOCK OUT CURB FROM BEGINNING TO END OF PROPOSED DRIVEWAY.
2. SAW CUT EXISTING PAVEMENT A MINIMUM OF 18" INCHES AWAY FROM BACK OF CURB (GUTTER LINE) AND BREAK OUT TO EXPOSE EXISTING REINFORCEMENT STEEL.
3. COMPACT SUBGRADE FOR PROPOSED DRIVEWAY CONNECTION FROM PROPOSED SAW CUT AT EXISTING PAVEMENT TO RIGHT-OF-WAY LINE, COMPACT TO 95% OF STANDARD PROCTOR DENSITY (+/- 2% OPT. MOISTURE). THE COUNTY ENGINEER RESERVES THE RIGHT TO REQUIRE LABORATORY TESTS TO BE CONDUCTED.
4. PLACE AND COMPACT 4" CLEAN BANK SAND.
5. MAINTAIN GUTTER LINE WITH FACE OF EXISTING CURB.
6. PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE TIED TO EXISTING ROADWAY REINFORCING STEEL WITH A MINIMUM LAP OF 12 INCHES.
7. PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE #4 DEFORMED RE-INFORCING BARS (ASTM A615 GRADE 60) UNLESS NOTED (SPACED AT 24 INCHES O.C. EACH WAY, WITH 12 INCHES MINIMUM LAP, 18" x 18" x 6" AND AT ALTERNATE) FROM PROPOSED SAW CUT TO RIGHT OF WAY LINE.
8. PROPOSED DRIVEWAY, CURB, GUTTER LINE AND GRADE SHALL MATCH EXISTING STREET.
9. PROPOSED DRIVEWAY SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SHERIDAN DESIGN), 7 INCHES THICK FROM PROPOSED SAW CUT TO RIGHT-OF-WAY LINE (PROPERTY LINE).
10. PROPOSED SIDEWALK SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SPECIFICATION 03301), 4 INCHES THICK AND 4 FEET MINIMUM WIDTH. SEE DRAWING NO. FBC 24A FOR ADDITIONAL INFORMATION AND DETAILS.

CONSTRUCTION NOTES FOR SIDEWALKS & DRIVEWAYS WITH CURB TYPE STREETS COMMERCIAL AREA	DRAWN BY: L. BRIDECKA DATE DRAWN: 2-1-94	REVISED BY: L. BRIDECKA DATE REVISED: 3-10-05
	APPROVED BY: L. HOOD DATE: 2-1-94	DRAWING NO. FBC-025B

FORT BEND COUNTY ENGINEERING DEPARTMENT



* = FOR REQUIRED PAVEMENT/SUBGRADE THICKNESS SEE HATCHING ON PLAN. REFERENCE GEOTECHNICAL REPORT FOR SPECIFICATIONS.

BUILDING PERIMETER SIDEWALK
N.T.S.

NO.	REVISIONS	DATE

ALLindsey
CIVIL ENGINEERS
2111 Kirby Drive, Suite 201
Houston, TX 77019
713.529.7200
FIRM # F-1208

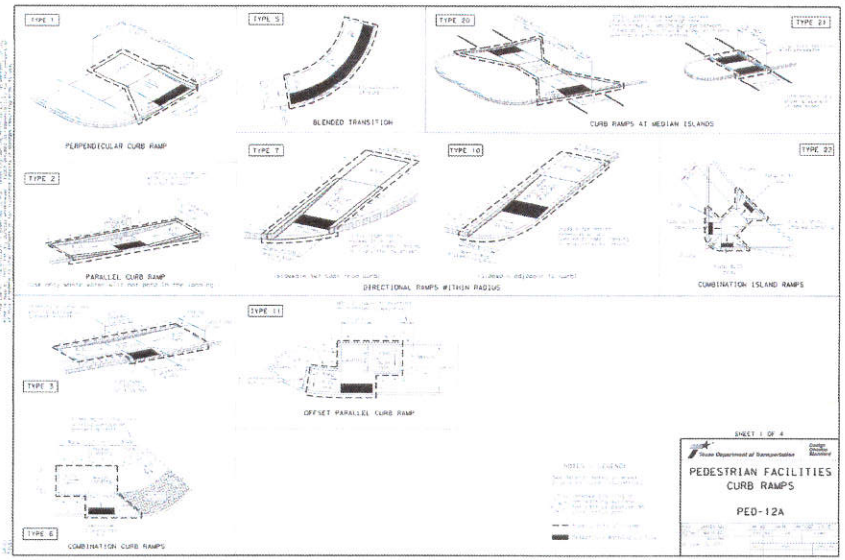
A. LESTER JONES
102152
REGISTERED
PROFESSIONAL ENGINEER
TEXAS
4 FEBRUARY 2016

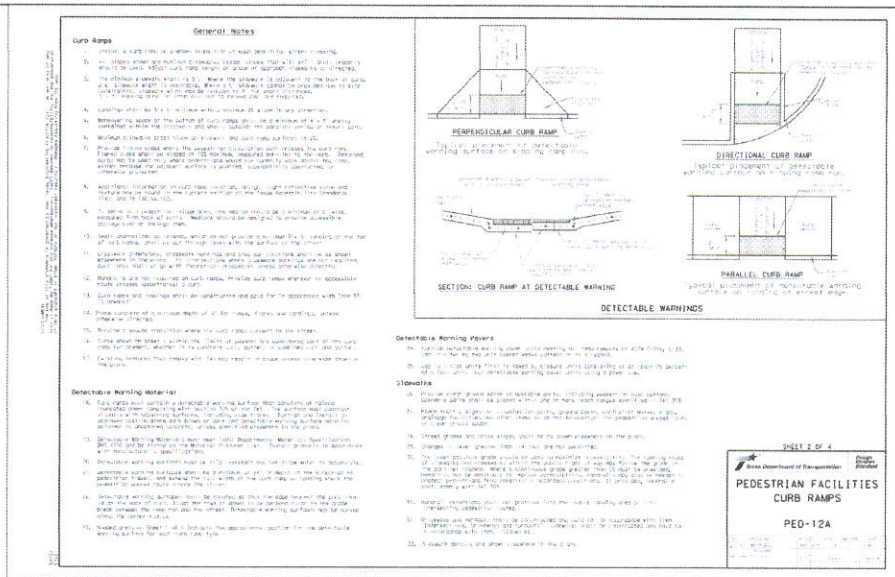
CONSTRUCTION DETAILS
(3 OF 5)

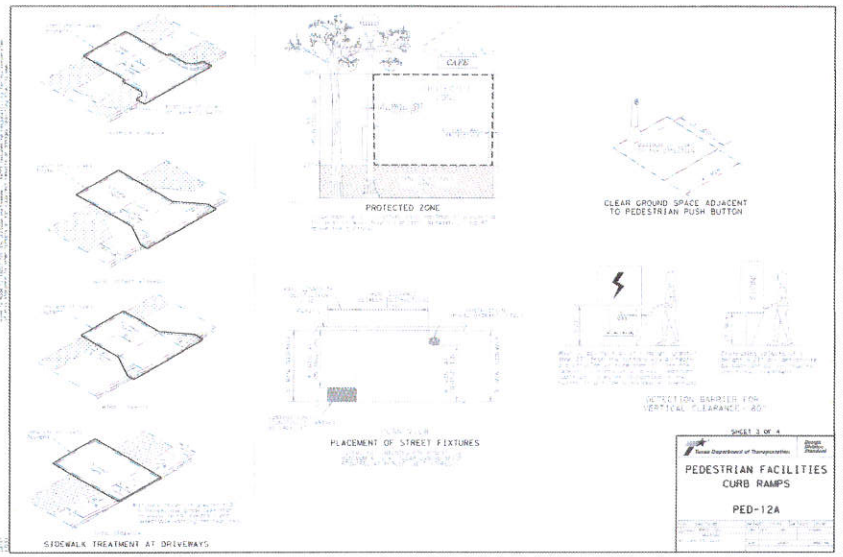
KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

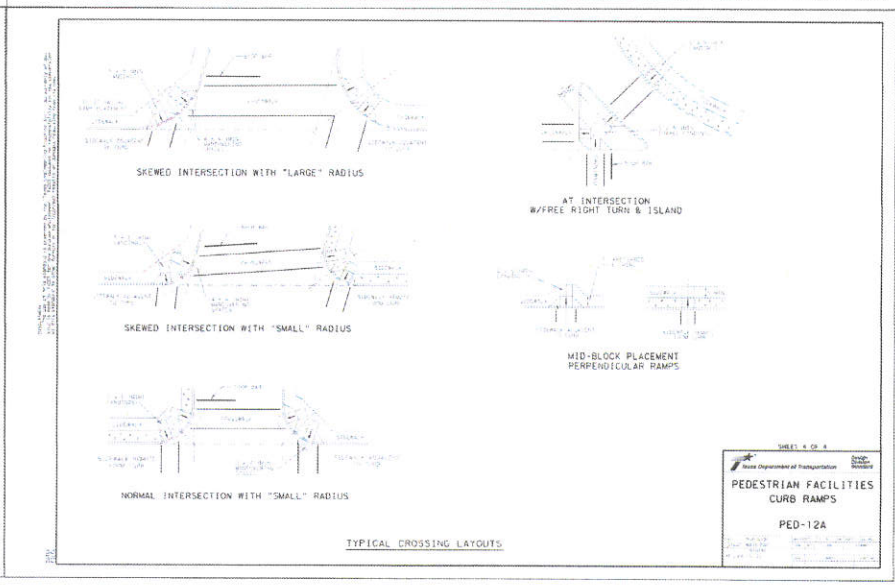
SHEET
C7.2

AUTHORIZATION IS HELD FOR 1 YEAR
APPROVED:
DATE: 02/05/16
DEVELOPMENT COORDINATOR









No.	REVISIONS	DATE

ALLindsey

A. LESTER JONES
102162
REGISTERED
PROFESSIONAL ENGINEER

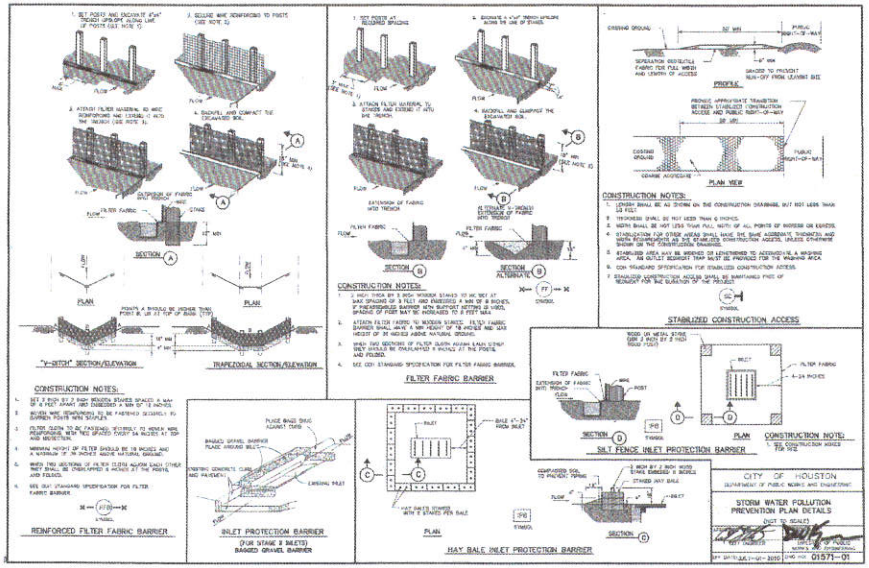
4 FEBRUARY 2016

CONSTRUCTION DETAILS
(4 OF 5)

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C7.3

AUTHORIZATION IS VALID FOR 1 YEAR.
APPROVED: _____ DEVELOPMENT COORDINATOR
DATE: 04/25/16



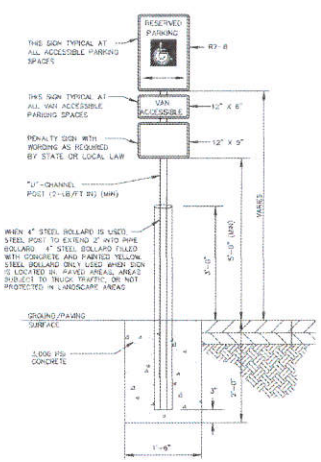
NOTES:

1. PROVIDE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS)
2. INSTALL WHERE HANDICAP STALLS ARE INDICATED ON PLAN
3. VAN ACCESSIBLE SIGNAGE ON VAN SPACES ONLY - SEE PLAN FOR LOCATION

COLOR CHART

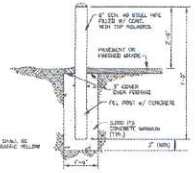
BLUE: LETTERS, BORDER, & SYMBOL

WHITE: SIGN BACKGROUND



ACCESSIBLE PARKING SIGN

N.T.S.



PIPE BOLLARD DETAIL

N.T.S.

SWPPP NOTES:

1) POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION SITE:

-ADHESIVES, PESTICIDES, DEBRIDENTS, PAINTS, FUELS, SOLVENTS, SEALANTS, FERTILIZERS, OILS, HERBICIDES, CLEANING SOLUTIONS, CONCRETE/CEMENT/PLASTER

2) STORM WATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND DISTURBING ACTIVITES:

A) PRIOR TO CONSTRUCTION: SILT FENCING SHALL BE INSTALLED IN ALL LOCATIONS SHOWN ON SITE MAP THAT WILL NOT BE DISTURBED DURING THE INITIAL GRADING PROCESS. THE STABILIZED CONSTRUCTION EXIT SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

B) DURING CONSTRUCTION:

a)IMMEDIATELY AFTER PAVING CONSTRUCTION IS COMPLETE, INLET PROTECTION TRAPS WILL BE INSTALLED ON ALL NEWLY CONSTRUCTED INLETS.

b)WHEN EXISTING SILT FENCING NEEDS TO BE REMOVED FOR CONSTRUCTION OR ACCESS PURPOSES, IT WILL BE REPLACED AS SOON AS POSSIBLE AFTER CONSTRUCTION IN THE VICINITY OF THE REMOVED FENCE IS COMPLETE.

c)AS SOON AS PRACTICABLE AFTER SITE GRADING IS COMPLETE, FINAL STABILIZATION PROCEDURES SUCH AS TURF ESTABLISHMENT AND INSTALLATION OF PLANT MATERIAL WILL BE COMMENCED.

C) AFTER CONSTRUCTION: AFTER CONSTRUCTION ACTIVITY AND SITE STABILIZATION PROCEDURES ARE COMPLETE, STRUCTURAL EROSION AND SEDIMENT CONTROLS WILL BE REMOVED. SOIL DISTURBED BY THE REMOVAL OF CONTROLS WILL BE STABILIZED.

3) PERMANENT STORM WATER CONTROLS: AFTER CONSTRUCTION ACTIVITY IS COMPLETE, AREAS NOT COVERED BY CONCRETE PAVEMENT OR BY STRUCTURES WILL BE LANDSCAPED AND IRRIGATED. ONCE ESTABLISHED, THIS VEGETATION WILL HELP PREVENT SEDIMENT RUNOFF IN THE FUTURE STORM EVENTS. NEWLY GRADED AREA WILL BE TERRACED TO REDUCE FLOW VELOCITY.

4) MATERIAL HANDLING AND SPILL PREVENTION PLAN:

A) HAZARDOUS MATERIALS WILL BE STORED AND USED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS. DISPOSAL WILL BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, AND IN ACCORDANCE WITH STATE AND LOCAL LAWS AND REGULATIONS.

B) THE FOLLOWING PROCEDURES WILL BE FOLLOWED FOR CONTAINMENT AND CLEAN-UP OF SPILLS:

a)ALL SPILLS WILL BE CLEANED UP AND PROPERLY REMOVED IN ACCORDANCE WITH STATE REGULATIONS AND LOCAL ORDINANCES.

b)SOILS AND SPILLED MATERIALS WILL BE COLLECTED UNTIL NO VISIBLE EVIDENCE OF SPILLED MATERIAL REMAINS.

c)THE TYPE OF MATERIAL AND QUANTITY OF RELEASE SHALL BE IDENTIFIED, AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) SHALL BE WORN AS RECOMMENDED BY THE PRODUCT-SPECIFIC MSDS.

d)SPILL CONTAINMENT MAY BE INCLUDE CONSTRUCTION OF EARTH DIKES AROUND THE SPILL AREA, DEPLOYMENT OF ABSORBENT MATERIALS, OR USE OF COMMERCIALLY AVAILABLE KITS.

e)CONTAMINATED SOIL AND SPILLED MATERIAL WILL BE STORED IN APPROPRIATE AND PROPERLY LABELED CONTAINERS, AND DISPOSED OF IN ACCORDANCE WITH STATE, LOCAL, AND FEDERAL RULES AND REGULATIONS.

5) GENERAL PERMIT MAINTENANCE REQUIREMENTS (FROM GENERAL PERMIT):

A) ALL PROTECTIVE MEASURES IDENTIFIED IN THIS SWPPP MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. IF, THROUGH INSPECTION OR OTHER MEANS, THE PERMITEE DETERMINES THAT BMP'S ARE NOT OPERATING EFFECTIVELY, THEN THE PERMITEE SHALL PERFORM MAINTENANCE AS NECESSARY TO MAINTAIN THE CONTINUED EFFECTIVENESS OF STORM WATER CONTROLS, AND PRIOR TO THE NEXT RAIN EVENT, IF FEASIBLE. IF MAINTENANCE PRIOR TO THE NEXT ANTICIPATED STORM EVENT IS IMPRACTICABLE, THE REASON SHALL BE DOCUMENTED IN THE SWPPP AND MAINTENANCE MUST BE SCHEDULED AND ACCOMPLISHED AS SOON AS PRACTICABLE. EROSION AND SEDIMENT CONTROLS THAT HAVE BEEN INTENTIONALLY DISABLED, RUN-OVER, REMOVED, OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY UPON DISCOVERY.

B) IF PERIODIC INSPECTIONS OR OTHER INFORMATION INDICATES A CONTROL HAS BEEN USED INCORRECTLY, IS PERFORMING INADEQUATELY, OR IS DAMAGED, THEN THE OPERATOR MUST REPLACE OR MODIFY THE CONTROL AS SOON AS PRACTICABLE AFTER MAKING THE DISCOVERY.

C) SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS AND SEDIMENTATION PONDS NO LATER THAN THE TIME THAT DESIGN CAPACITY HAS BEEN REDUCED BY 50%. FOR PERIMETER CONTROLS SUCH AS SILT FENCES, BERMS, ETC., THE TRAPPED SEDIMENT MUST BE REMOVED BEFORE IT REACHES 50% OF THE ABOVE GROUND HEIGHT.

D) IF SEDIMENT ESCAPES THE SITE, ACCUMULATIONS MUST BE REMOVED AT A FREQUENCY THAT MINIMIZES OFF-SITE IMPACTS, AND PRIOR TO THE NEXT RAIN EVENT, IF FEASIBLE, IF THE PERMITEE DOES NOT OWN THE OFFSITE CONVEYANCE, THEN THE PERMITEE MUST WORK WITH THE OWNER OR OPERATOR OF THE PROPERTY TO REMOVE THE SEDIMENT.

6) EROSION AND SEDIMENT CONTROLS:

A) THE FOLLOWING NON-STRUCTURAL EROSION AND SEDIMENT CONTROLS WILL BE UTILIZED ON THE PROJECT SITE:

a)WHERE PRACTICAL, CARE WILL BE TAKEN TO PROTECT NATURAL VEGETATION THAT DOES NOT NEED TO BE REMOVED FOR CONSTRUCTION PURPOSES.

b)PLACEMENT OF CONCRETE PARKING AND DRIVEWAY AREAS WILL BE PERFORMED AS SOON AS POSSIBLE AFTER SUB-GRADE STABILIZATION, TO MINIMIZE THE AMOUNT OF TIME DISPOSED SOIL IS EXPOSED TO THE ELEMENTS. THIS PRACTICE WILL REDUCE THE FREQUENCY THAT MAINTENANCE IS REQUIRED ON THE STRUCTURAL BMP'S.

c)THE GENERAL PERMIT REQUIRES THAT EROSION AND STABILIZATION MEASURES MUST BE INITIATED WITHIN 14 DAYS IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED IF CONSTRUCTION ACTIVITY IS SCHEDULED TO RESUME WITHIN 21 DAYS FROM THE CESSATION OF CONSTRUCTION ACTIVITY. EROSION AND STABILIZATION MEASURES ARE NOT REQUIRED FOR THAT PORTION OF THE SITE.

d)STABILIZATION PROCEDURES SUCH AS TURF ESTABLISHMENT AND INSTALLATION OF PLANT MATERIAL SHOULD BE COMMENCED AS SOON AS PRACTICABLE AFTER SITE GRADING IS COMPLETE AND FINAL.

B) THE FOLLOWING STRUCTURAL EROSION AND SEDIMENT CONTROLS WILL BE UTILIZED ON THE PROJECT SITE:

a)A STABILIZED CONSTRUCTION EXIT WILL BE INSTALLED AT THE LOCATION WHERE CONSTRUCTION TRAFFIC EXITS THE PROJECT SITE.

b)INLET PROTECTION TRAPS WILL BE INSTALLED AT ALL INLETS IMMEDIATELY AFTER CONCRETE PAVEMENT IS PLACED.

c)SILT FENCING (FILTER FABRIC FENCE OR REINFORCED FILTER FABRIC FENCE) WILL BE INSTALLED ALONG THE PROPERTY BOUNDARY AND ADJACENT TO EXISTING DITCHES, BAYOUS, STREAMS, RIVERS, AND/OR CHANNELS.

d)ANY SEDIMENT THAT ENTERS THE STORM SEWER SYSTEM WILL BE REMOVED IMMEDIATELY (NOT FLUSHED).

e)SINCE ALL PROPOSED INLETS DRAIN LESS THAN 10-ACRES, SEDIMENT BASINS ARE NOT REQUIRED FOR THIS SITE.

f)WHERE PRACTICAL, CARE WILL BE TAKEN TO PROTECT NATURAL VEGETATION THAT DOES NOT NEED TO BE REMOVED FOR CONSTRUCTION PURPOSES.

NO.	REVISIONS	DATE

ALJLindsey

A. LESTER JONES 102162 LICENSED PROFESSIONAL ENGINEER

4 FEBRUARY 2016

CONSTRUCTION DETAILS (5 OF 5)

KIDDIE ACADEMY
FORT BEND COUNTY, TEXAS

SHEET
C7.4

AUTHORIZATION IS VALID FOR 1 YEAR.

APPROVED: _____ DEVELOPMENT COORDINATOR

DATE: 02/05/16