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

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

☐ **Right of Way Permit**
☒ **Commercial Driveway Permit**

Permit No: 2018-17892

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

(1) COMPLETE APPLICATION FORM:

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

(2) BOND:

☐ County Attorney, approval when applicable.

☐ Perpetual bond currently posted. Bond No: Amount:

☐ Performance bond submitted. Bond No: Amount:

☒ Cashier's Check Check No: [redacted] Amount: $5,000.00

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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

Permit Administrator

01/26/2018
Date

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

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

☐ **Right of Way Permit**
☒ **Commercial Driveway Permit**

Permit No: 2018-17892

Applicant: **Teddy's House LLC/Jim Lawless AIA**

Job Location Site: **8717 Scanlan Trace, Missouri City, TX 77459**

Bond No. [redacted] **Date of Bond:** ____________ **Amount:** **$5,000.00**

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

Notes:

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

On this 6th day of February, 2018, 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.

Signature

By: ______________________________
County Engineer

N/A
By: ______________________________
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded __________ Comm. Court No. _________

Clerk of Commissioners Court

By: ______________________________
Deputy

SIENNA KIDS ACADEMY
LOCATED AT
8717 SCANLAN TRACE
MISSOURI CITY, TX 77346

VICINITY MAP
NTS
KEY MAP # 650-K

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	GRADING & DRAINAGE (C-1)
3	STORM SEWER LAYOUT (C-2)
4	PAVING JOINT LAYOUT (C-3)
5	STORM WATER POLLUTION PREVENTION PLAN (C-4)
6	NOTES & DETAILS (C-5)

TEXAS ENGINEERING & MAPPING CO.
REGISTRATION # F-2906

CARLOS J. BARILLAS
50474

Digitally signed by
Carlos J. Barillas
Date: 2017.12.15
11:27:57 -06'00'

Carlos J Barillas

TEXAS ENGINEERING AND MAPPING
12810 CENTURY DRIVE
STAFFORD, TEXAS 77477
PHONE: (281) 491-2525 FAX: (281) 491-2535
Job No. 356-52A

FORT BEND COUNTY ENGINEER

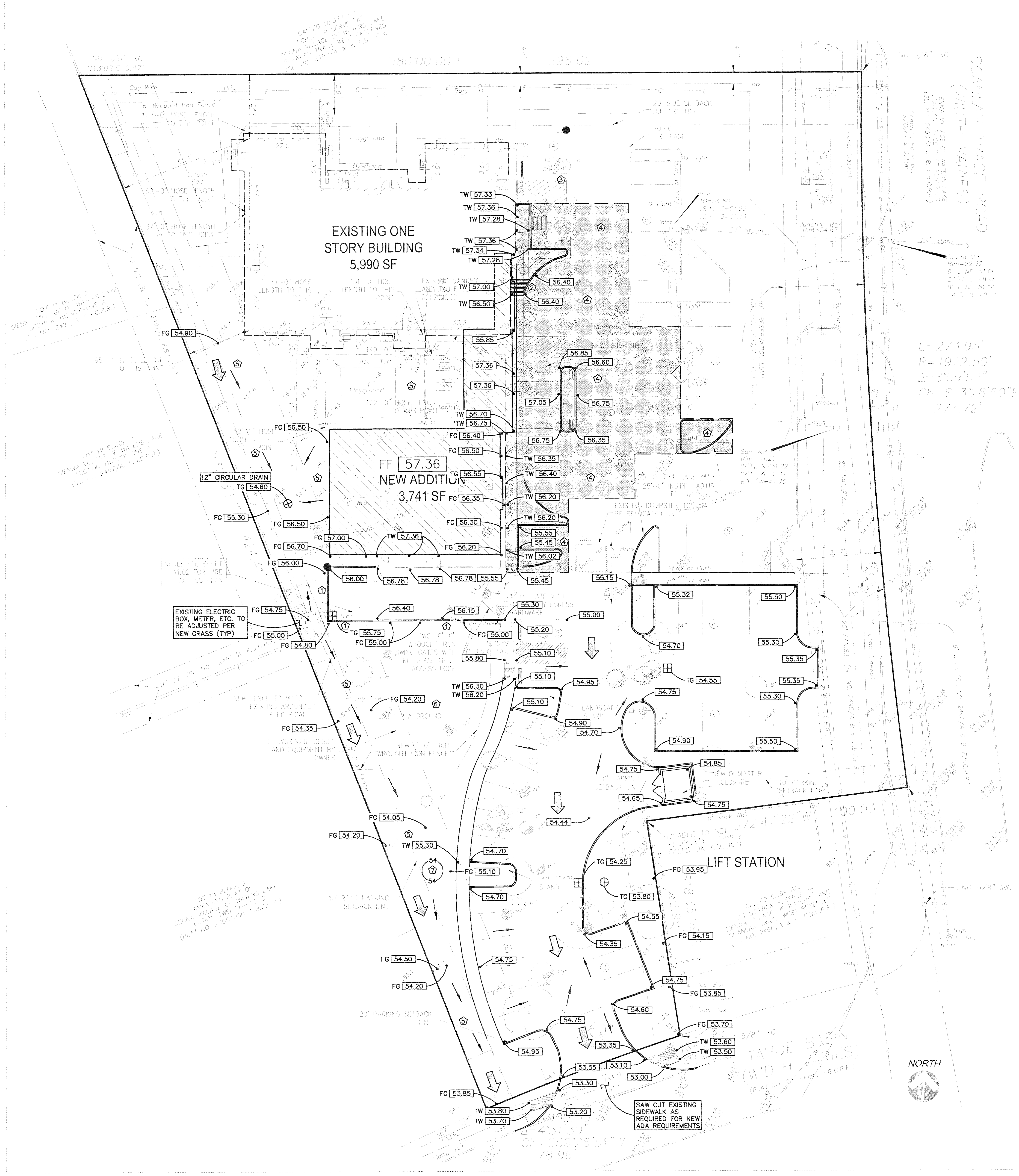
ENGINEER: Rich J Stangle, PE, PTOE
for RICHARD W. STOLLEIS, P.E.

DATE: 12/19/17

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

APPROVED:
for DEVELOPMENT COORDINATOR

DATE: 12/19/17



SEE C-0 TOPOGRAPHIC SURVEY FOR BENCHMARK INFORMATION.

SEE SHEET C-0 FOR ADDITIONAL TOPOGRAPHIC INFORMATION

ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.00% PER ADA REQUIREMENTS.

CONTRACTOR TO FIELD VERIFY ALL CRITICAL EXISTING ELEV'S, LOCATION AND FLOWLINES OF EXISTING STORM SEWER, DRAINAGE FACILITIES, WATER AND SANITARY SEWER BEFORE COMMENCING ANY CONSTRUCTION.

COORDINATE WITH ARCHITECT FOR ALL DEMOLITION.

OWNER TO OBTAIN ALL PERMITS REQUIRED BY THE FORT BEND COUNTY, TEXAS, AND ALL GOVERNMENTAL AUTHORITIES WITH JURISDICTION, PRIOR TO STARTING CONSTRUCTION OF UTILITY AND/OR DRIVEWAYS WITHIN PUBLIC RIGHTS OF WAY.

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH CIVIL DRAINAGE PLAN AND ASSURE POSITIVE DRAINAGE FROM THE BUILDING OVER THE SIDEWALK AND TO THE PARKING LOT. ANY PROBLEMS ENCOUNTERED DURING CONSTRUCTION SHALL BE COORDINATED WITH THE CIVIL ENGINEER BEFORE FINAL CONSTRUCTION. IF LANDSCAPING BEDS ARE USED ADJACENT TO THE BUILDING CONTRACTOR SHALL ASSURE THAT DRAINAGE IS NOT BLOCKED. REFER TO LANDSCAPE FRENCH DRAIN DETAIL IF NEEDED.

CONTRACTOR SHALL COORDINATE WITH OWNER, GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER FOR SELECT FILL REQUIREMENTS AND PROCEDURES UNDER BUILDING SLABS. SEE SOILS REPORT FOR ALL REQUIRED DESIGN CRITERIA. CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION UNTIL THE REQUIRED SELECT FILL PROCEDURE UNDER BUILDING SLABS HAS BEEN APPROVED.

CONTRACTOR SHALL ALSO COORDINATE WITH SOILS REPORT FOR ALL REQUIRED FILL, COMPACTION AND LIME STABILIZATION UNDER PROPOSED PAVING SECTIONS.

CLEAN-OUTS, INLETS AND/OR JUNCTION BOXES LOCATED IN PAVEMENT OR SIDEWALK SHALL HAVE TRAFFIC BEARING LIDS OR GRATES.

SOME OF THE STORM SYSTEM ARE SHALLOW OPTION INSTALLATION FOR SHALLOW INLET

USE BRICK SHALLOW INLET IF REQUIRED

LEGEND

	EXISTING ELEV.
71.20	TOP OF PAVEMENT
TG 69.80	TOP OF GRATE ELEV.
FL 69.80	FLOW LINE ELEV.
TW 69.80	TOP OF WALK ELEV.
FG 69.80	FINISHED GRADE ELEV
⊞	SQUARE GRATE INLET
▣	JUNCTION BOX
⊕	CIRCULAR GRATE INLET
←	SLOPE ARROW
⇨	100 YR. EXTREME EVENT FLOW

SLAB ANALYSIS

MAXIMUM 100 YR. STORM ELEVATION=55.15
FF=57.36
THEREFORE FF=2.21 HIGHER THAN THE MAXIMUM 100 YR. PONDING ELEVATION

①	CURB WITH TURN DOWN BEAM SEE DETAIL ON SHEET C-5
②	EXISTING CLEAN OUT TO BE FLUSH WITH NEW WALK
③	CONTRACTOR TO FIELD VERIFY EXACT ELEVATION AND ASSURE THAT THE EXISTING ELEVATION MEETS ADA REQUIREMENTS REMOVE AND REPLACE IF NECESSARY
④	EXISTING CONCRETE TO BE REMOVED AND REPLACED AS SHOWN CONTRACTOR TO VERIFY THAT THE SLOPES DO NOT EXCEED ADA REQUIREMENTS
⑤	CONTRACTOR TO ASSURE POSITIVE DRAINAGE
⑥	COORDINATE WITH ARCHITECT FOR DRAINAGE REQUIREMENTS IN NEW PLAYGROUND (TYP)
⑦	10" HDPE FL=52.60 SEE SHEET C-2 FOR ADDITIONAL INFORMATION

APPROVED: Casandra
DEVELOPMENT COORDINATOR
DATE: 12/19/17

TEXAS ENGINEERING & MAPPING CO.
REGISTRATION # F-2906

CARLOS J. BARILLAS
50474

Digitally signed by
Carlos J. Barillas
Date: 2017.12.15
11:28:56 -06'00'

Carlos J. Barillas

C-1 GRADING & DRAINAGE

Scale 1" = 20'
JOB NO: 244-20

SEE SHT C-1 FOR GRADING & DRAINAGE
SEE SHT C-2 FOR STORM SEWER LAYOUT
SEE SHT C-3 FOR PAVING JOINT LAYOUT
SEE SHT C-4 FOR SWPPP
SEE SHT C-5 FOR NOTES & DETAILS

T. E. A. M.

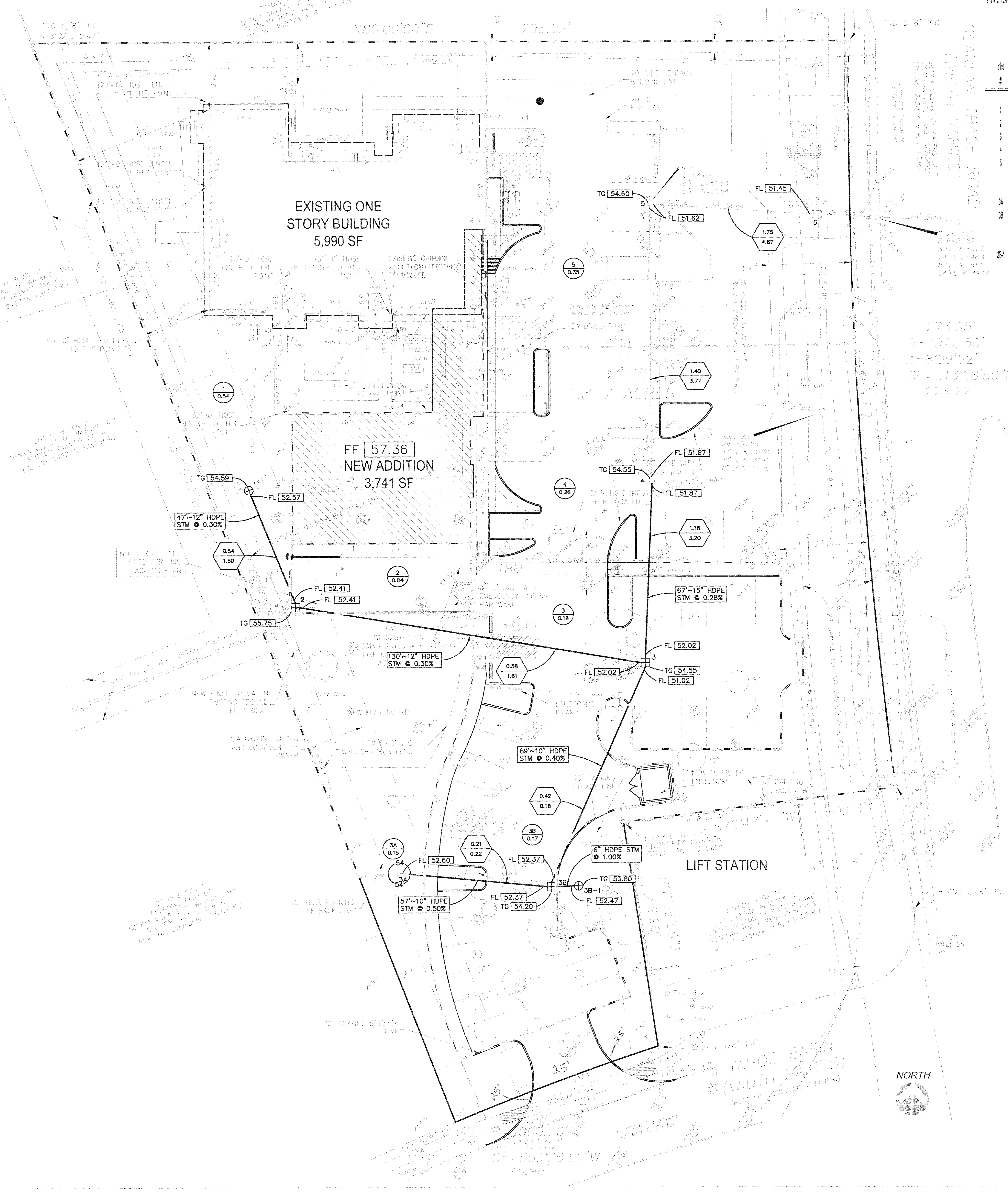
TEXAS ENGINEERING AND MAPPING CO.
12810 CENTURY DRIVE
STAFFORD, TEXAS 77477
PHONE: (281) 491-2525 FAX: (281) 491-2535

JOB NUMBER :
1708
DATE :
10-23-17
REVISIONS :

A New Addition for:
SIENNA KIDS ACADEMY
8717 SCANLAN TRACE
MISSOURI CITY, TX 77359

JIM LAWLESS, AIA, PLLC
Architects & Planners
931 Pheasant Valley Dr.
Suite 220
Missouri City, Texas
77489
(281) 240-6101

DRAWING :
C-1



STORM SEWER CALCULATIONS

2 YR STORM TABLE

Inlet #	Inlet #	Area No.	Delta Area	ACC Area (acres)	Runoff Coefficient C	Sum of C x A	Intensity I (2yr) (In/Hr)	Sum of Flows (cfs)	Time of C (min)	Pipe Time (min)	Reach Length (ft)	Diameter or Rise (inches)	Area (ft²)	Hydraulic Radius (ft)	Slope (%)	Mannings "n"	Design Capacity (cfs)	Design Velocity (ft/s)	Fall (ft)	Drop (ft)	Flowline Elevation Upstream (ft)	Top of Pipe Elevation Upstream (ft)	Flowline Elevation Downstream (ft)	Top of Pipe Elevation Downstream (ft)	2 Yr Actual Velocity (ft/s)	Hydraulic Gradient (%)	Change in Head (ft)	Minor Losses (ft)	Elevation of Hyd. Grad. Upstream (ft)	Elevation of Hyd. Grad. Downstream (ft)	Throat Area Required (ft²)	Inlet size (ft)	Throat Area Provided (ft²)	pavement Elevation Upstream (ft)	pavement Elevation Downstream (ft)	cover Upstream (ft)	cover Downstream (ft)	Ponding Upstream (ft)	Ponding Downstream (ft)
1	2	1	0.54	0.54	0.80	0.432	3.479	1.50	23.97	0.4093	47	12	0.7854	0.25	0.32	0.011	2.382	3.033	0.15	0.00	52.56	53.56	52.41	53.41	1.914	0.1783	0.0838	0.0284	54.18	54.06	0.70	18	0.79	54.60	55.75	1.04	2.34	-0.42	-1.69
2	3	2	0.04	0.58	0.80	0.464	3.471	1.61	24.09	1.0566	130	12	0.7854	0.25	0.30	0.011	2.306	2.936	0.39	0.00	52.41	53.41	52.02	53.02	2.051	0.2047	0.2661	0.0326	54.06	53.77	0.05	18	0.79	55.75	54.55	2.34	1.53	-1.69	-0.78
3	4	3	0.18	1.18	0.80	0.944	3.386	3.20	25.30	0.4287	67	15	1.2272	0.3125	0.27	0.011	3.967	3.233	0.181	0.00	52.02	53.27	51.84	53.09	2.605	0.2454	0.1644	0.0527	53.77	53.55	0.23	24	1.40	54.55	54.58	1.28	1.49	-0.78	-1.03
4	5	4	0.26	1.44	0.80	1.152	3.362	3.87	25.66	0.5387	102	15	1.2272	0.3125	0.29	0.011	4.111	3.350	0.296	0.00	51.84	53.09	51.54	52.79	3.156	0.3601	0.3673	0.0773	53.55	53.10	0.32	24	1.40	54.58	54.60	1.49	1.81	-1.03	-1.50
5	6	5	0.35	1.79	0.80	1.432	3.334	4.77	26.08	0.401	65	18	1.7671	0.375	0.20	0.011	5.552	3.142	0.13	0.00	51.54	53.04	51.41	52.91	2.702	0.2070	0.1345	0.0567	53.10	52.91	0.43	24	1.40	54.60	55.80	1.56	2.89	-1.50	-2.89
3A	3B	3A	0.15	0.15	0.40	0.060	3.615	0.22	22.16	2.305	55	10	0.5454	0.2083	0.40	0.011	1.638	3.003	0.22	0.00	52.60	53.43	52.38	53.21	0.398	0.0098	0.0054	0.0012	53.22	53.21	0.10	18	0.79	54.00	54.25	0.57	1.04	-0.78	-1.04
3B	3	3B	0.21	0.42	0.80	0.336	3.507	1.18	23.58	0.6865	89	10	0.5454	0.2083	0.40	0.011	1.638	3.003	0.356	0.00	52.38	53.21	52.02	52.86	2.161	0.2898	0.2579	0.0362	53.15	52.86	0.27	18	0.79	54.25	54.55	1.04	1.69	-1.10	-1.69
3B-1	3B	3B-1	0.06	0.06	0.80	0.048	3.701	0.18	21.09	0.4605	9	10	0.5454	0.2083	0.50	0.011	1.831	3.357	0.045	0.00	14.47	15.30	14.43	15.26	0.326	0.0066	0.0006	0.0008	15.26	15.26	0.08	18	0.79	19.55	19.50	4.25	4.24	-4.29	-4.24

SEE C-0 TOPOGRAPHIC SURVEY FOR BENCHMARK INFORMATION.

SEE SHEET C-0 FOR ADDITIONAL TOPOGRAPHIC INFORMATION

ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.00% PER ADA REQUIREMENTS.

CONTRACTOR TO FIELD VERIFY ALL CRITICAL EXISTING ELEV'S, LOCATION AND FLOWLINES OF EXISTING STORM SEWER, DRAINAGE FACILITIES, WATER AND SANITARY SEWER BEFORE COMMENCING ANY CONSTRUCTION.

COORDINATE WITH ARCHITECT FOR ALL DEMOLITION.

OWNER TO OBTAIN ALL PERMITS REQUIRED BY THE FORT BEND COUNTY, TEXAS, AND ALL GOVERNMENTAL AUTHORITIES WITH JURISDICTION, PRIOR TO STARTING CONSTRUCTION OF UTILITY AND/OR DRIVEWAYS WITHIN PUBLIC RIGHTS OF WAY.

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH CIVIL DRAINAGE PLAN AND ASSURE POSITIVE DRAINAGE FROM THE BUILDING OVER THE SIDEWALK AND TO THE PARKING LOT. ANY PROBLEMS ENCOUNTERED DURING CONSTRUCTION SHALL BE COORDINATED WITH THE CIVIL ENGINEER BEFORE FINAL CONSTRUCTION. IF LANDSCAPING BEDS ARE USED ADJACENT TO THE BUILDING CONTRACTOR SHALL ASSURE THAT DRAINAGE IS NOT BLOCKED. REFER TO LANDSCAPE FRENCH DRAIN DETAIL IF NEEDED.

CONTRACTOR SHALL COORDINATE WITH OWNER, GEOTECHNICAL ENGINEER AND STRUCTURAL ENGINEER FOR SELECT FILL REQUIREMENTS AND PROCEDURES UNDER BUILDING SLABS. SEE SOILS REPORT FOR ALL REQUIRED DESIGN CRITERIA. CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION UNTIL THE REQUIRED SELECT FILL PROCEDURE UNDER BUILDING SLABS HAS BEEN APPROVED.

CONTRACTOR SHALL ALSO COORDINATE WITH SOILS REPORT FOR ALL REQUIRED FILL, COMPACTION AND LIME STABILIZATION UNDER PROPOSED PAVING SECTIONS.

CLEAN-OUTS, INLETS AND/OR JUNCTION BOXES LOCATED IN PAVEMENT OR SIDEWALK SHALL HAVE TRAFFIC BEARING LIDS OR GRATES.

CAUTION WITH STORM SEWER AT ALL INLETS ARE EXTREMELY SHALLOW CONTRACTOR TO USE EXTREME CAUTION DURING SUB-GRADE STABILIZATION PROCESS

CONTRACTOR TO FIELD VERIFY EXISTING FLOWLINES BEFORE STARTING STORM SEWER WORK

MAX PONDING IN 100 YR STORM

	MAX 100 YR	FF ELEV	DIFF FT
at # 4	55.7	57.37	1.67
at # 3	55.1	57.37	2.27
at # 2	55.7	57.37	1.67
at # 1	55	57.37	2.37
at # 3A	54.2	57.37	3.17
at # 3B	54.75	57.37	2.62

REQUIREMENT PER COUNTY = 12" MINUMUM

LEGEND

70.5 +	EXISTING ELEV.
71.20	TOP OF PAVEMENT
TG 69.80	TOP OF GRATE ELEV.
FL 69.80	FLOW LINE ELEV.
TW 69.80	TOP OF WALK ELEV.
FG 69.80	FINISHED GRADE ELEV
⊞	SQUARE GRATE INLET
▣	JUNCTION BOX
⊕	CIRCULAR GRATE INLET
←	SLOPE ARROW
⇨	EXTREME EVENT FLOW
00.00	ACCUMULATIVE ACREAGE
00.00	ACCUMULATIVE CFS (2-YR)
00.00	AREA NUMBER
00.00	ACREAGE
	DRAINAGE AREA MAP

APPROVED: ______
by DEVELOPMENT COORDINATOR
DATE: 12/19/17

TEXAS ENGINEERING & MAPPING CO.
REGISTRATION # F-2906

CARLOS J. BARILLAS
50474

Digitally signed
by Carlos J.
Barillas
Date: 2017.12.15
11:29:53 -06'00'

Carlos J. Barillas

C-2 STORM SEWER LAYOUT

Scale 1" = 20' *JOB NO: 244-20*

SEE SHT C-1 FOR GRADING & DRAINAGE
SEE SHT C-2 FOR STORM SEWER LAYOUT
SEE SHT C-3 FOR PAVING JOINT LAYOUT
SEE SHT C-4 FOR SWPPP
SEE SHT C-5 FOR NOTES & DETAILS

T. E. A. M.

TEXAS ENGINEERING AND MAPPING CO.
12810 CENTURY DRIVE
STAFFORD, TEXAS 77477
PHONE: (281) 491-2525 FAX: (281) 491-2535

JOB NUMBER :
1708

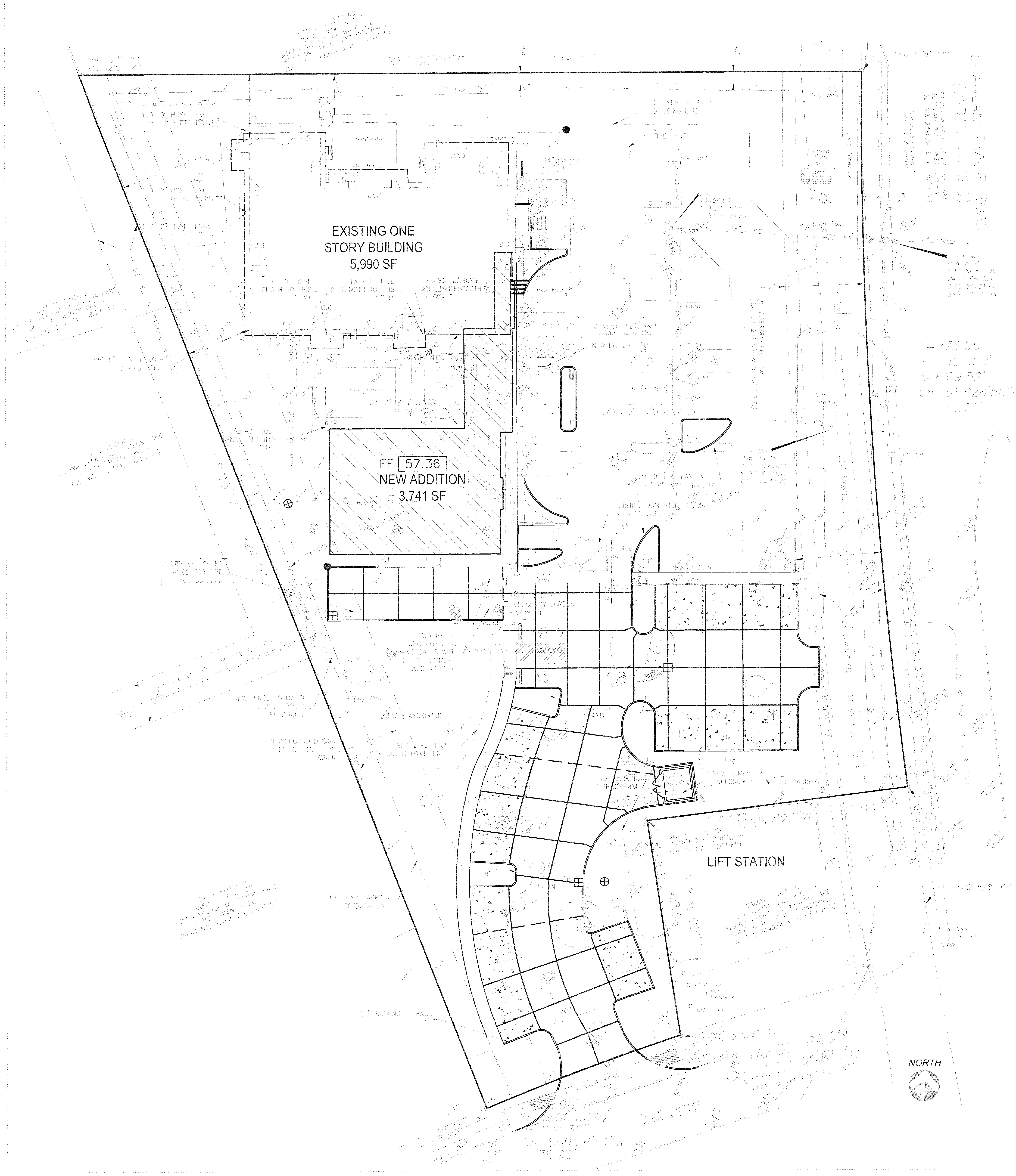
DATE :
10-23-17

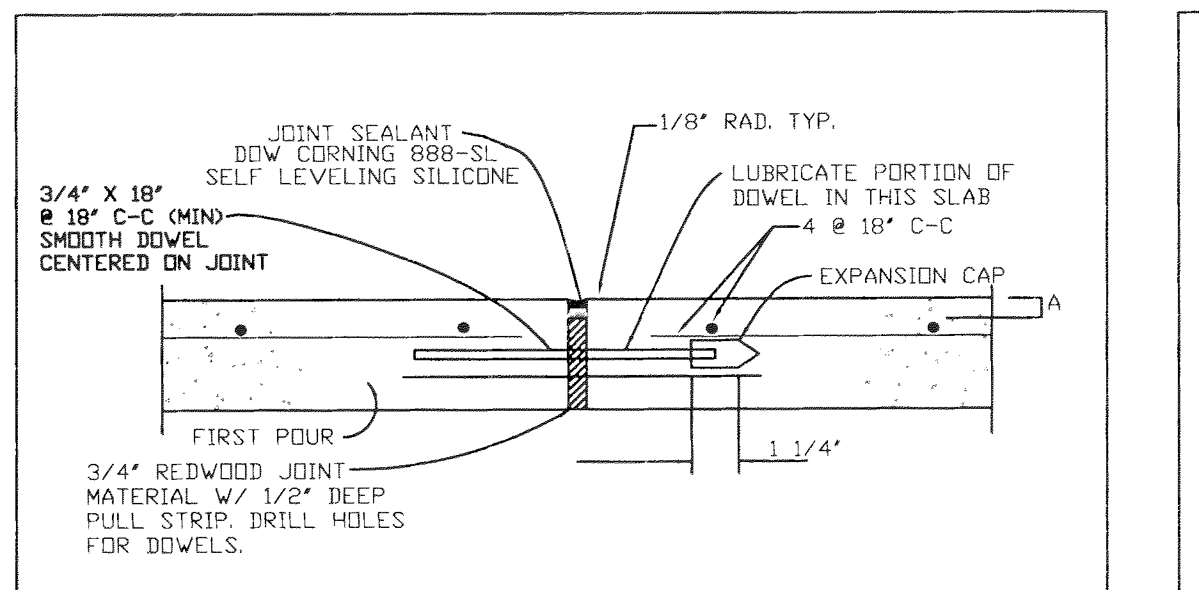
REVISIONS :

A New Addition for:
SIENNA KIDS ACADEMY
MISSOURI CITY, TX 77359
8717 SCANLAN TRACE

JIM LAWLESS, AIA, PLLC
Architects & Planners
931 Pheasant Valley Dr.
Suite 220
Missouri City, Texas
77489
(281) 240-6101

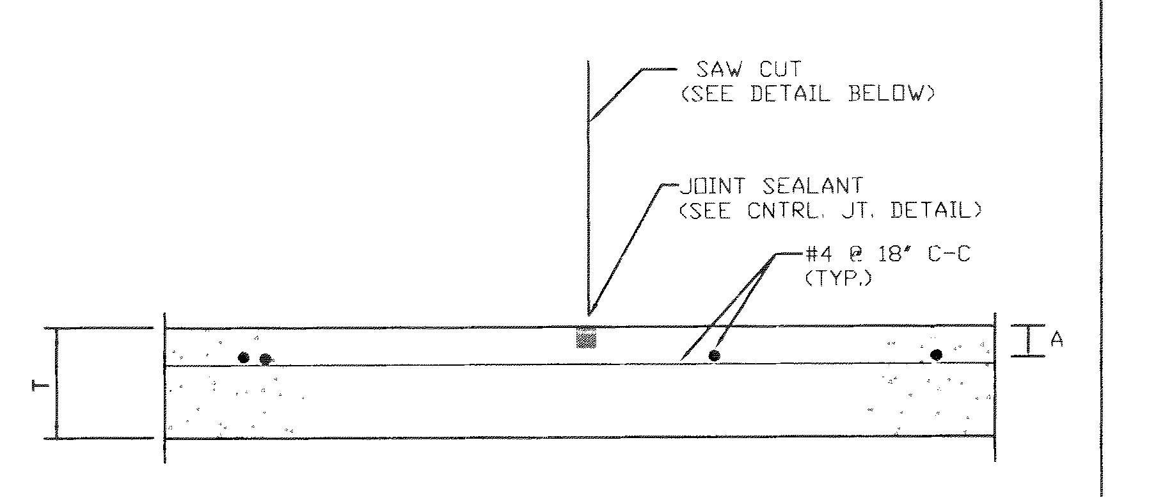
DRAWING :
C-2





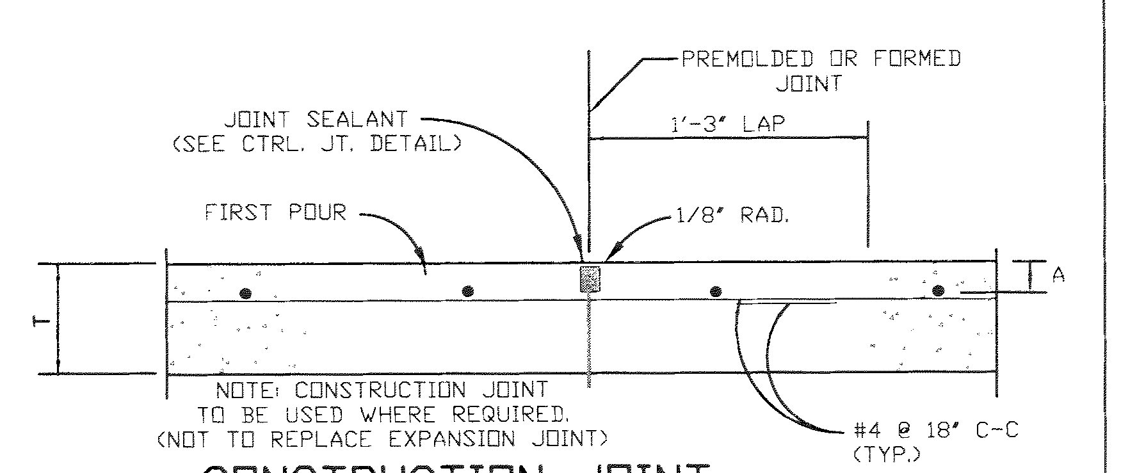
EXPANSION JOINT

N.T.S.



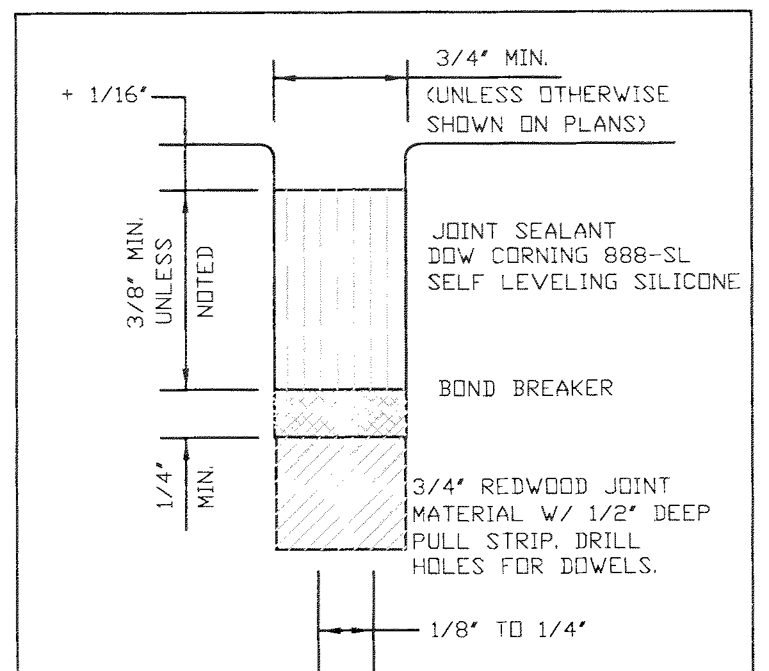
CONTROL JOINT

N.T.S.



CONSTRUCTION JOINT

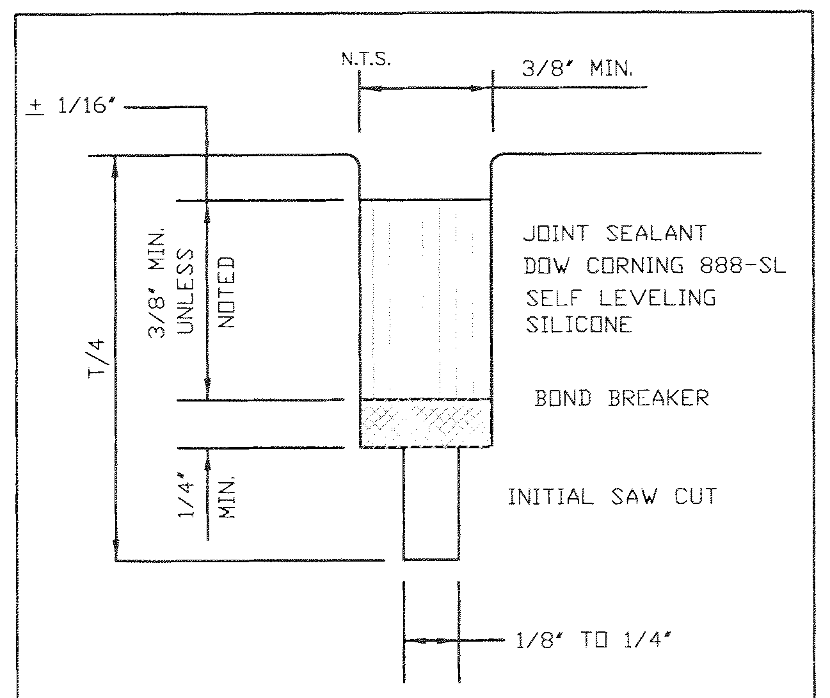
N.T.S.



EXPANSION JOINT
DETAIL

N.T.S.

SCHEDULE	
SLAB THICK "T" (IN.)	COVER "A" (IN.)
4	2
5	2
6	2
7	2-3/8



SAW CUT CONTROL JOINT
DETAIL

N.T.S.

FOR ADDITIONAL PAVING AND SWPPP NOTES AND DETAILS REFER TO SHEET C-4

LEGEND

- - -	ISOLATION JOINT
— —	EXPANSION JOINT
——	CONTROL OR CONSTRUCTION JOINT
⊞	SQUARE GRATE INLET
▣	JUNCTION BOX
▨	5" THICK CONCRETE PAVEMENT
☐	6" THICK CONCRETE PAVEMENT
▒	7" THICK CONCRETE PAVEMENT

APPROVED: CJS
DEVELOPMENT COORDINATOR
DATE: 12/19/17

TEXAS ENGINEERING & MAPPING CO.
REGISTRATION # F-2906

CARLOS J. BARILLAS
50474

Digitally signed by
Carlos J. Barillas
Date: 2017.12.15
11:30:26 -06'00'

Carlos J. Barillas

C-3 PAVING JOINT LAYOUT

Scale 1" = 20'
JOB NO: 244-20

SEE SHT C-1 FOR GRADING & DRAINAGE
SEE SHT C-2 FOR STORM SEWER LAYOUT
SEE SHT C-3 FOR PAVING JOINT LAYOUT
SEE SHT C-4 FOR SWPPP
SEE SHT C-5 FOR NOTES & DETAILS

TEXAS ENGINEERING AND MAPPING CO.
12810 CENTURY DRIVE
STAFFORD, TEXAS 77477
PHONE: (281) 491-2525 FAX: (281) 491-2535

JOB NUMBER :
1708

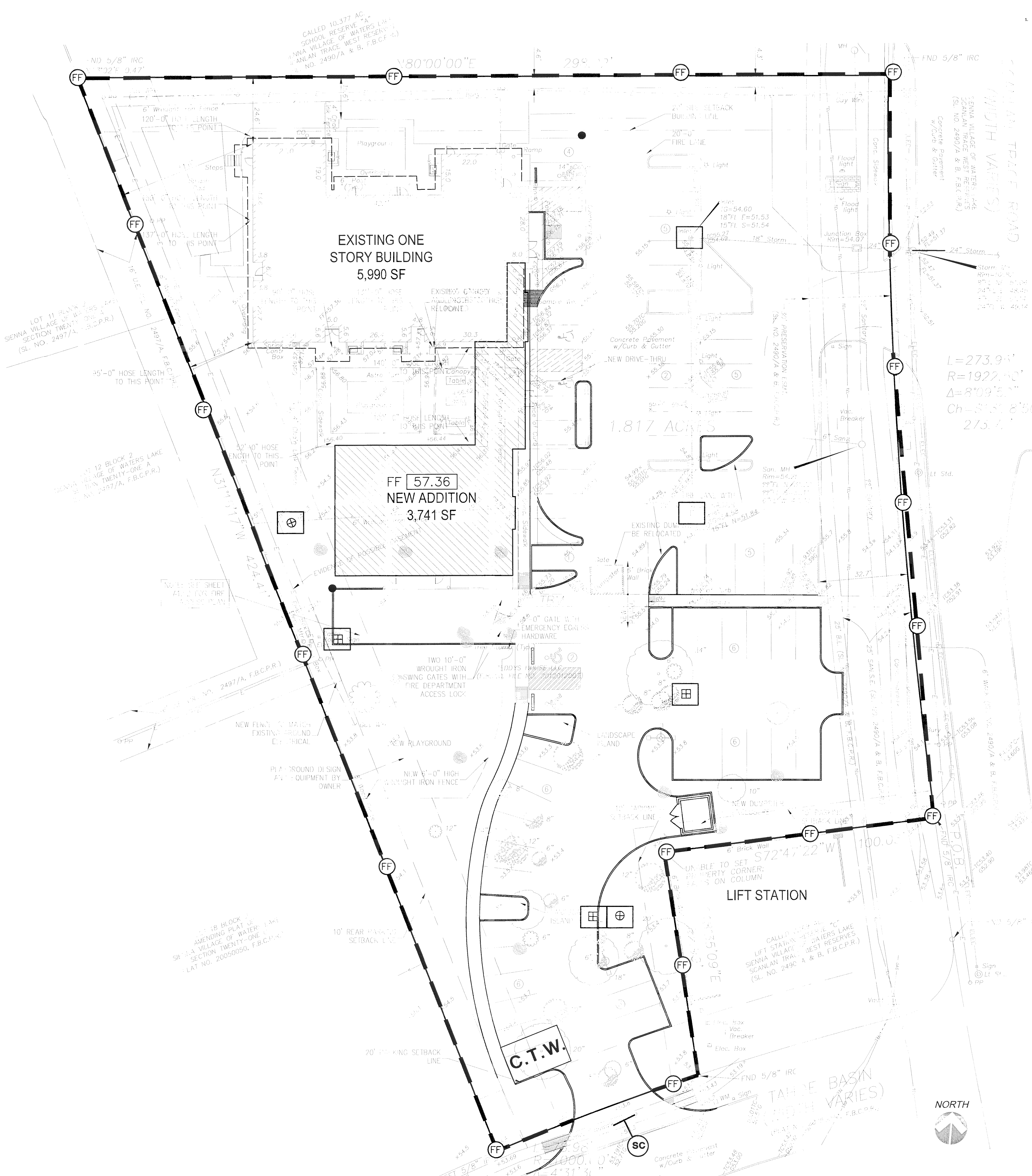
DATE :
10-23-17

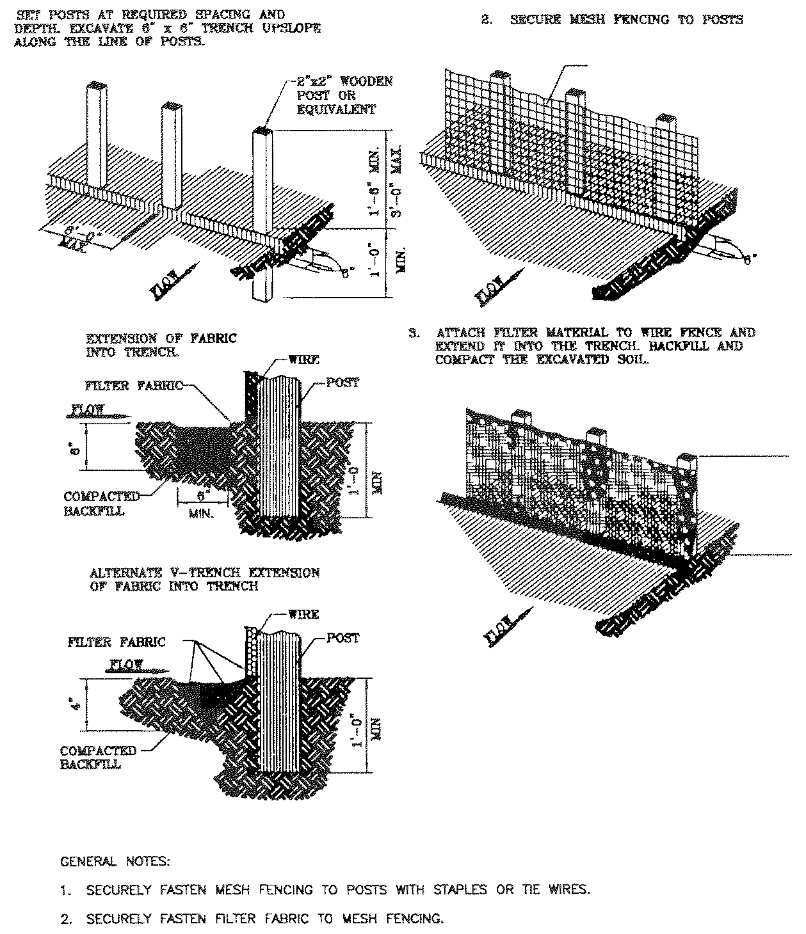
REVISIONS :

A New Addition for:
SIENNA KIDS ACADEMY
8717 SCANLAN TRACE
MISSOURI CITY, TX 77359

JIM LAWLESS, AIA, PLLC
Architects & Planners
931 Pheasant Valley Dr.
Suite 220
Missouri City, Texas
77489
(281) 240-6101

DRAWING :
C-3



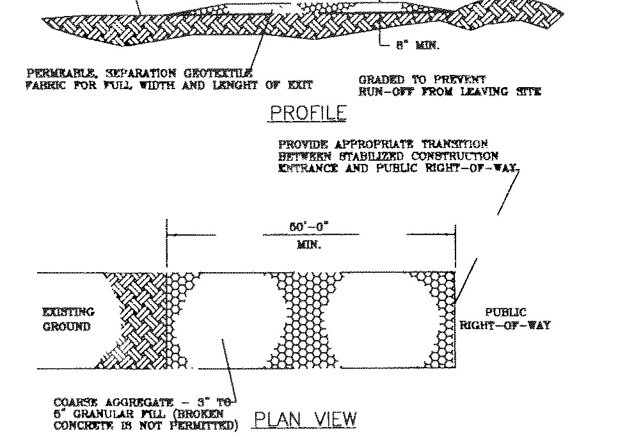


GENERAL NOTES:

1. SECURELY FASTEN MESH FENCING TO POSTS WITH STAPLES OR TIE WIRES.
2. SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT A POST, FOLD TOGETHER, AND ATTACH TO A POST.
4. REMOVE SEDIMENT DEPOSITS WHEN SILT REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE IN DEPTH.

REINFORCED FILTER FABRIC BARRIER

×—RFB—×
SYMBOL

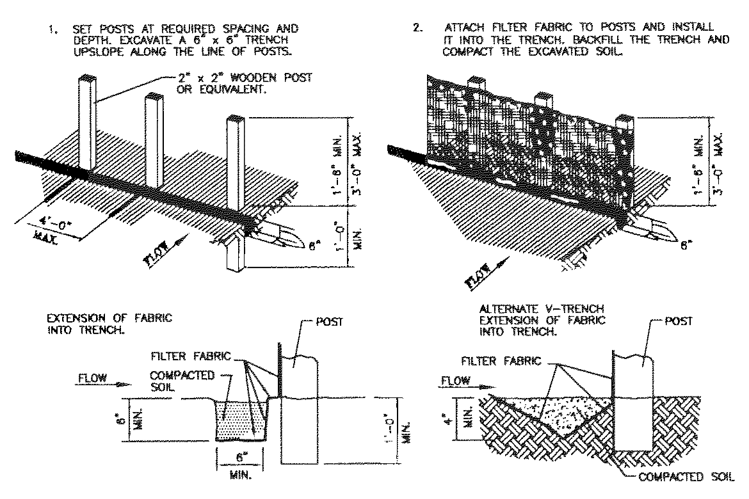


GENERAL NOTES:

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

STABILIZED CONSTRUCTION ACCESS

SC
SYMBOL

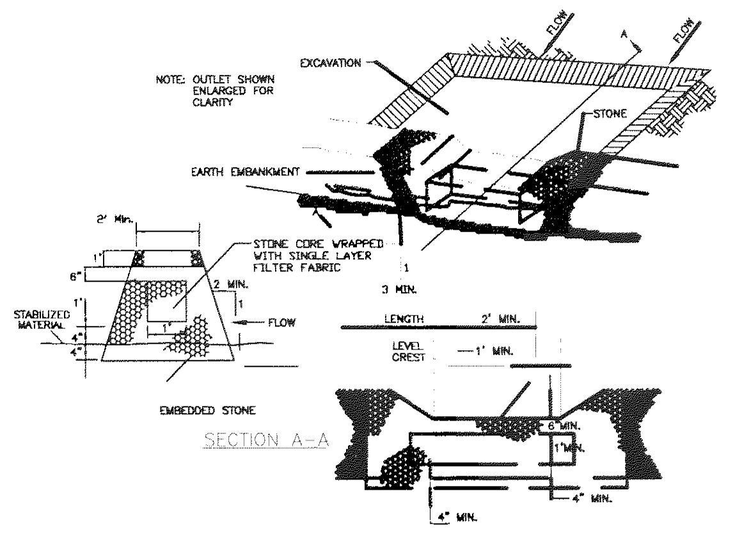


GENERAL NOTES:

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

FILTER FABRIC BARRIER

×—FF—×
SYMBOL

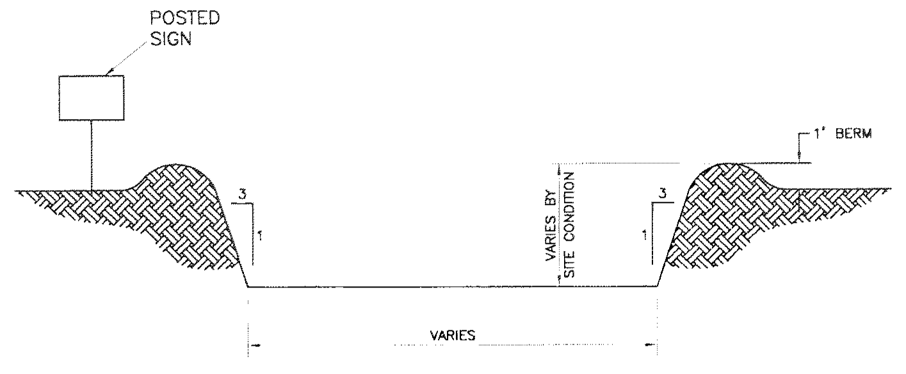


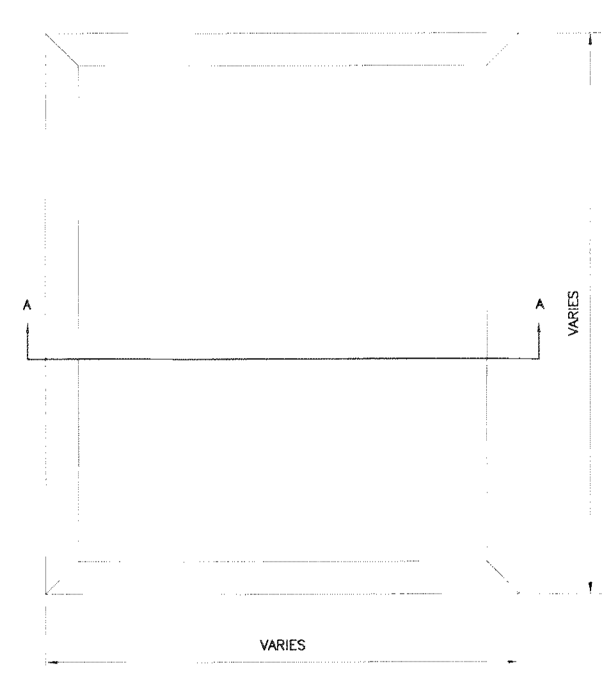
GENERAL NOTES:

1. SPECIFY DIMENSION LIMITS OF EXCAVATION AND OUTLET LENGTH AND HEIGHT ON THIS SHEET OR THE CONSTRUCTION DRAWINGS.
2. WRAP STONE CORE WITH ONLY ONE LAYER OF GEOTEXTILE FILTER FABRIC FENCE.
3. MAINTAIN A MINIMUM OF 6 INCHES BETWEEN THE TOP OF CORE MATERIAL AND THE TOP OF THE STONE OUTLET, A MINIMUM OF 4 INCHES BETWEEN BOTTOM OF CORE MATERIAL AND EXISTING GROUND, AND A MINIMUM OF 1 FOOT BETWEEN THE TOP OF THE STONE OUTLET AND THE TOP OF THE EMBANKMENT.
4. EMBED ROCK A MINIMUM OF 4 INCHES INTO THE EXISTING GROUND.
5. PONDING OF SEDIMENT-LADEN RUNOFF IN SEDIMENT BASIN ACCOMPLISHED BY EMBANKMENT OR EXCAVATION DEPENDING ON TERRAIN. BASIN TYPE AND DIMENSION ARE SHOWN ON THIS SHEET OR REFERENCED ON CONSTRUCTION DRAWINGS.
6. OUTLET ONTO STABILIZED AREA.
7. USE ONLY CLEAN, HARD, DURABLE STONE FREE FROM ADHERENT COATINGS, SALT, ALKALI, DIRT, CLAY, LOAM, SHALE, SOFT OR FLAKY MATERIALS, OR ORGANIC AND INJURIOUS MATTER.
8. USE ONLY OPEN-GRADED ROCK WITH MOST OF THE FINES REMOVED. UNLESS OTHERWISE SPECIFIED ON PLANS AND DRAWINGS, USE ROCK WITH A MINIMUM 3-INCH DIAMETER AND A VOLUME OF LESS THAN ONE-HALF CUBIC FOOT.
9. REMOVE SEDIMENT DEPOSITS WHEN DESIGN VOLUME IS REDUCED BY ONE-THIRD OR SEDIMENT LEVEL IS ONE FOOT BELOW THE PRINCIPAL SPILLWAY CREST, WHICHEVER IS LESS.

SEDIMENT BASIN WITH STONE OUTLET

SB SO



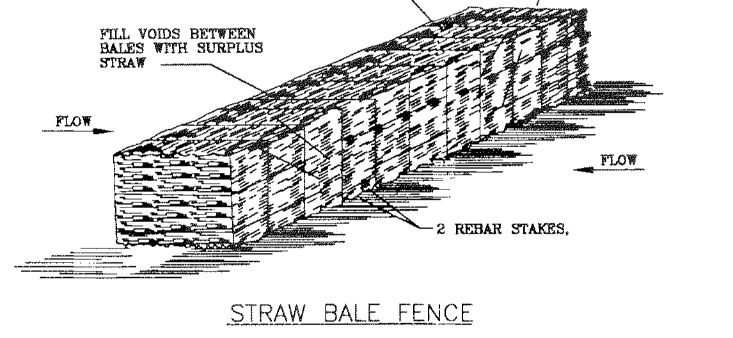


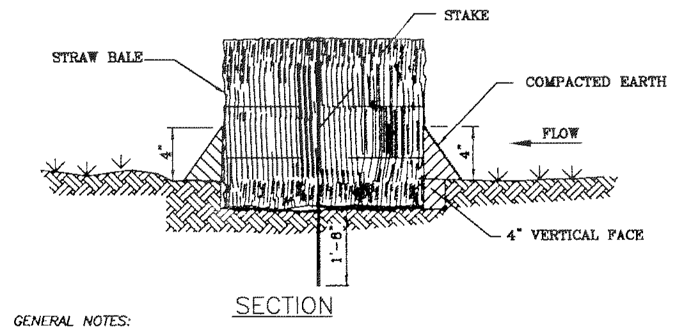
GENERAL NOTES:

1. POST A SIGN READING "CONCRETE WASH OUT PIT" NEXT TO THE PIT.
2. VERBALLY INSTRUCT THE CONCRETE TRUCK DRIVERS WHERE THE PIT IS AND TO WASH OUT THEIR TRUCKS IN THE PIT AND NO WHERE ELSE.
3. UNPON THE CONCRETE SETTING UP (CURING, DRYING OUT), THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE CONTRACTOR. AFTER REMOVAL OF THE CONCRETE WASTE, THE WASH OUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO IN-SITU CONDITIONS, OR AS DIRECTED BY THE PROJECT SPECIFICATIONS.
4. CONCRETE WASH OUT PITS SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, NOR AT ANY TIME DRAIN INTO THE STORM SEWER SYSTEM OR ANY OTHER SWALE, DITCH, OR WATERWAY.
5. CONSTRUCT ENTRY ROAD AND BOTTOM OF WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM TRUCKS EQUIPMENT.

CONCRETE TRUCK WASHOUT AREA

CTW
SYMBOL





GENERAL NOTES:

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

STRAW BALE FENCE

×—SBF—×
SYMBOL

NOTE: CONTRACTOR TO PROTECT ANY EXIST PUBLIC STREET INLETS AND ONSITE INLETS AS REQUIRED.

NOTE: CONTRACTOR TO COMPLY WITH ALL TCEQ REQUIREMENTS FOR SWPPP PLAN INCLUDING SUBMITTAL OF NOI WHEN REQUIRED

CONTRACTOR TO PROTECT ANY INLETS THAT ARE AFFECTED BY THE NEW CONSTRUCTION AT ALL TIMES

NOTE:
PARKING LOT TO REMAIN CLEAN AT ALL TIMES DURING CONSTRUCTION.

LEGEND

SYMBOL	
IPB	INLET PROTECTION BARRIER
—(FF)—	FILTER FABRIC FENCE
(SC)—┤	STABILIZED CONSTRUCTION EXIT (LOCATIOJN TO BE CONFIRMED BY CONTRACTOR)
CTW	CONCRETE TRUCH WASH (LOCATION TO BE CONFIRMED BY CONTRACTOR)

APPROVED: CLO
DEVELOPMENT COORDINATOR
DATE: 12/19/17

TEXAS ENGINEERING & MAPPING CO.
REGISTRATION # F-2906

CARLOS J. BARILLAS
50474

Digitally signed by
Carlos J. Barillas
Date: 2017.12.15
11:31:08 -06'00'

STORM WATER POLLUTION PREVENTION PLAN

C-4
Scale 1" = 20'
JOB NO: 244-20

SEE SHT C-1 FOR GRADING & DRAINAGE
SEE SHT C-2 FOR STORM SEWER LAYOUT
SEE SHT C-3 FOR PAVING JOINT LAYOUT
SEE SHT C-4 FOR SWPPP
SEE SHT C-5 FOR NOTES & DETAILS

T. E. A. M.

TEXAS ENGINEERING AND MAPPING CO.
12810 CENTURY DRIVE
STAFFORD, TEXAS 77477
PHONE: (281) 491-2525 FAX: (281) 491-2535

JOB NUMBER :
1708

DATE :
10-23-17

REVISIONS :

A New Addition for:
SIENNA KIDS ACADEMY
8717 SCANLAN TRACE
MISSOURI CITY, TX 77359

JIM LAWLESS, AIA, PLLC
Architects & Planners
931 Pheasant Valley Dr
Suite 220
Missouri City, Texas
77489
(281) 240-6101

DRAWING :
C-4

CONSTRUCTION NOTES:

1. Storm sewer pipe, 18-inch diameter or larger shall be reinforced concrete meeting A.S.T.M., C-76, Class III. Bedding, backfilling and installation of pipe and construction of appurtenances shall be in accordance with Fort Bend County and MUD standards.

2. Storm sewer pipe shall be ADS N-12 Pipe (HDPE Corrugated Polyethylene Pipe) per A.S.T.M. F-405, A.S.T.M. F-667, A.S.T.M. D-2321, AASHTO M-294. Bedding, backfilling and installation of pipe and construction of appurtenances shall be in accordance with Fort Bend County, and MUD requirements.

3. All utilities presented on these drawings are shown at the approximate locations based on the best available information. the Contractor shall field determine the exact locations prior to commencing construction. he shall be fully responsible for any and all damages caused by his failure to exactly locate and maintain these underground utilities.

4. Contractor shall uncover existing utilities at all points of crossing to determine if conflict exists before commencing any construction. Notify the Engineer at once of any conflict.

5. Where concrete curb or walk is indicated, elevation shall be 6 inches above top of pavement elevation shown. Coordinate with architectural site plan.

6. All fill, compaction and subgrade preparation shall be in accordance with soil report specifications.

7. All sewers under or within one (1) foot of proposed or future pavement shall be backfilled with 1-1/2 sack cement stabilized sand to within one (1) foot of subgrade.

8. The work area shall be barricaded and illuminated during darkness and periods of inactivity, when in an area of direct public access.

9. Contractor shall provide sheeting, shoring and bracing as necessary to protect workmen and existing utilities during all phases of construction.

10. Utilities are to be taken to within five (5) feet of building. See plumbing sheets indicated for continuation of service connections into building.

11. Contractor shall be responsible for protecting, maintaining, and restoring all drainage system.

12. All finished grades shall vary uniformly between finished elevations shown.

13. Some of the existing underground utilities shown hereon have not been field verified.

14. Contractor is to notify all utility companies to verify location and depth of all existing utility lines.

15. Contractor to obtain all permits required by all governing agencies.

16. Contractor to co-ordinate with architects and M.E.P. drawings for connection and location of all downspouts and all plumbing utilities.

17. Overhead lines may 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 any construction. Texas law, Section 752, Health & Safety Code, forbids all activities in which persons or things MAY come within six (6) feet of live overhead high voltage lines. Parties responsible for the work,including contractors, are l legally responsible for the safety of construction workers under this law. This law carries both criminal and civil liability. To arrange for lines to be turned off or moved, Reliant Energy H.L.&P. at 713-207-7777.

18. Contractor shall provide and install traffic control devices in conformance with Part VI of the Texas Manual on Uniform Traffic Control Devices (Texas M.U.T.C.D. most recent edition with revisions) during construction.

19. Caution: UNDERGROUND GAS FACILITIES
Entex main lines (to include Unit Gas Transmission, and/or Industrial Gas Supply Corporation where applicable) are shown in an aprroximate location ONLY. Service lines are usually not shown. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

* When Reliant Energy Entex pipe line markings are NOT visible, call 713-967-8037 (7:00a.m.to 4:30p.m.) for status of line location request before excavation begins.

* When excavating within eighteen inches (18") of the indicated location of Reliant Energy Entex facilities, all excavation must be accomplished using NON-mechanized excavating procedures.

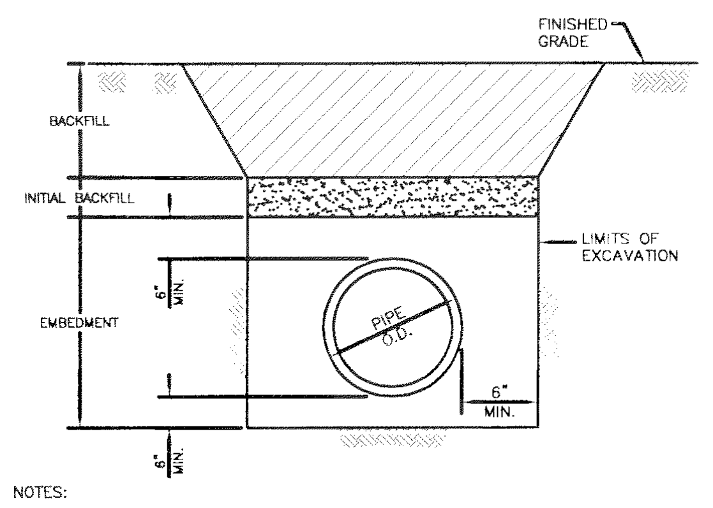
* When Reliant Energy Entex facilities are exposed, sufficient support must be provided to thefacilities to prevent excessive stress on the piping.

20. Southwestern Bell Telephone Co. utilities may exist in street right of way. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve these underground utilities.

21. All existing power poles, light standards, signs, etc. which affect the proposed construction, shall be removed and/or relocated as required whether shown on drawings or not.

26. The Contractor shall provide a trench safety system to meet appropriate requirements established in Occupational Safety and Health Administration (OSHA) Safety & Health Regulations, 29 CFR 1926, Subpart P - Excavations, Trenching and Shoring, and OSHA s proposed standards on trenching, excavation published in Volume 52, No. 72 of the Federal Register, April 15, 1987, Pages 12288-12339. Should the referenced OSHA standards be modified or amended, the more stringent requirements shall apply.

NOTE:
ALL FILL COMPACTION, PAVING AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SOILS REPORT SPECIFICATIONS.

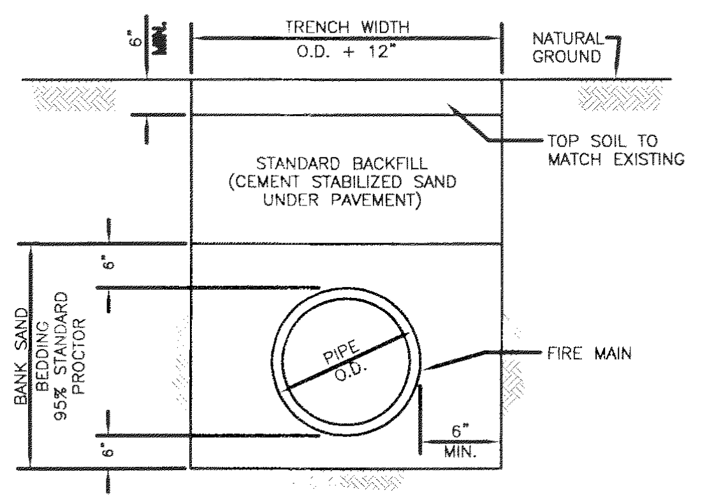


NOTES:

1. BACKFILL SHALL BE NATIVE SOIL, FREE OF DEBRIS, COMPACTED TO 95% STANDARD PROCTOR DENSITY, EXCEPT AS REQUIRED UNDER PAVEMENT.
2. INITIAL BACKFILL SHALL BE UNIFORMLY GRADED MATERIAL (MAXIMUM SIZE, 3" DIAMETER), PLACED IN 8" LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, EXCEPT AS REQUIRED UNDER PAVEMENT.
3. EMBEDMENT SHALL BE CEMENT STABILIZED SAND (1.5 SACKS PER CUBIC YARD) COMPACTED TO 95% STANDARD PROCTOR DENSITY.
4. UNDER PAVING OR WITHIN 3' OF PAVEMENT, THE INITIAL BACKFILL AND ALL BACKFILL UP TO THE PAVEMENT SUBGRADE SHALL BE CEMENT STABILIZED SAND (1.5 SACKS PER CUBIC YARD) COMPACTED TO 95% STANDARD PROCTOR DENSITY.
5. TRENCH SHORING IN ACCORDANCE WITH OSHA, SHALL BE INSTALLED WHERE REQUIRED.
6. SOIL IN THE PIPE ZONE SHALL CONSIST OF NON-WATERBEARING, COHESIVE SOILS WITH A SHEAR STRENGTH OF 1000 PSF OR GREATER. WHEN WET SAND EXISTS IN THE PIPE ZONE, MODIFIED BEDDING SHALL BE INSTALLED.

STORM SEWER BEDDING AND BACKFILL

N.T.S.

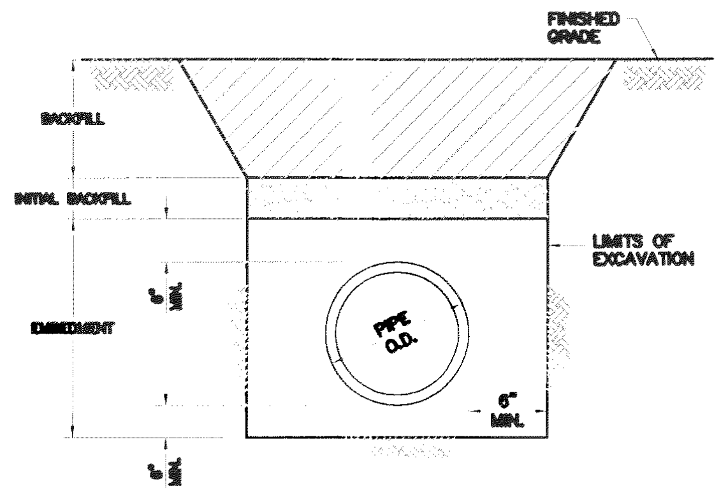


NOTES:

1. BACKFILL SHALL BE NATIVE SOIL, FREE OF DEBRIS, PLACED IN LIFTS, 8" THICK OR LESS, COMPACTED TO 95% STANDARD PROCTOR DENSITY, EXCEPT AS REQUIRED UNDER PAVEMENT.
2. BACKFILL UNDER PAVEMENT AND PUBLIC STREETS SHALL BE CEMENT STABILIZED SAND (1.5 SACKS OF CEMENT PER CUBIC YARD OF SAND), COMPACTED TO 95% STANDARD PROCTOR DENSITY.
3. TRENCH SHORING, IN ACCORDANCE WITH OSHA, SHALL BE INSTALLED AS REQUIRED.

FIRE/WATER MAIN BEDDING AND BACKFILL

N.T.S.

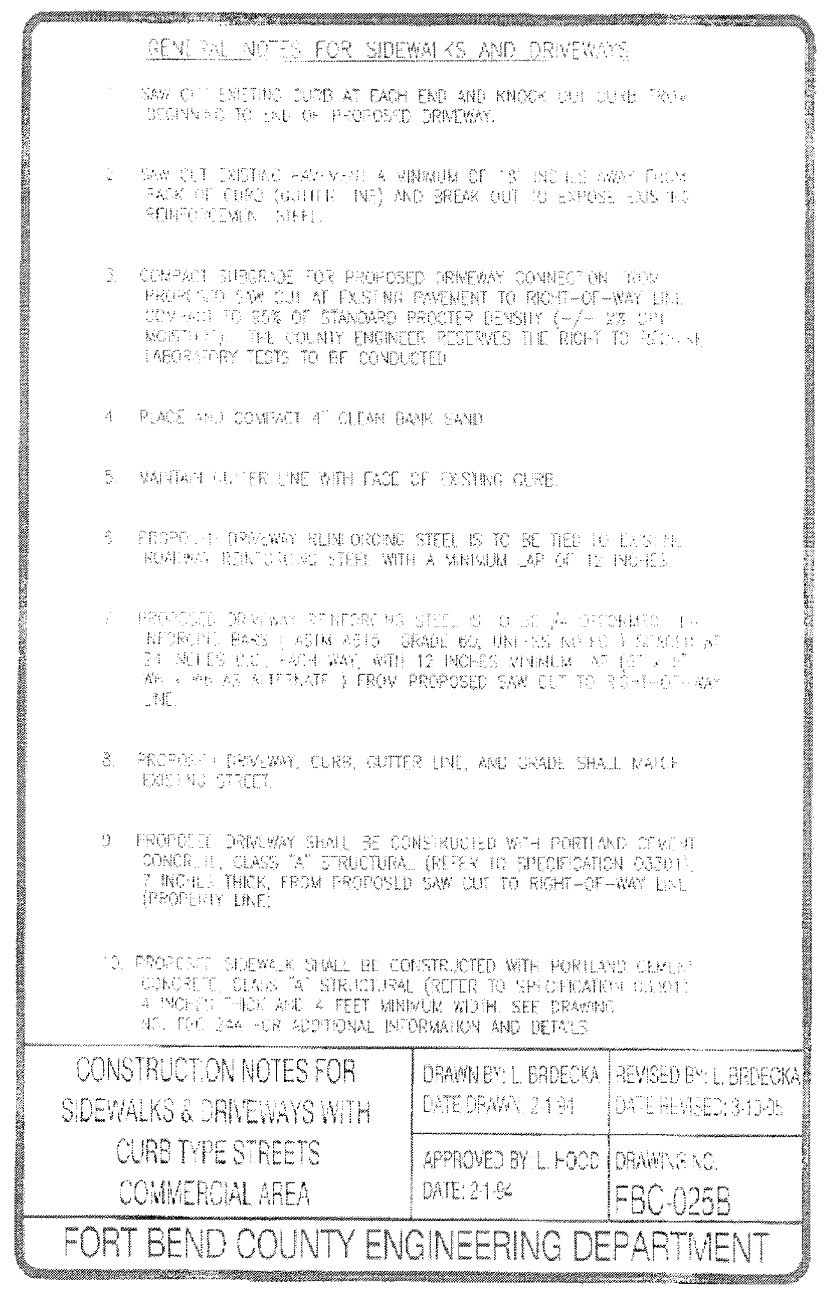


NOTES:

1. BACKFILL SHALL BE NATIVE SOIL, FREE OF DEBRIS, COMPACTED TO 95% STANDARD PROCTOR DENSITY, EXCEPT AS REQUIRED UNDER PAVEMENT.
2. INITIAL BACKFILL SHALL BE UNIFORMLY GRADED MATERIAL (MAXIMUM SIZE, 3" DIAMETER), PLACED IN 8" LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY, EXCEPT AS REQUIRED UNDER PAVEMENT.
3. EMBEDMENT SHALL BE CEMENT STABILIZED SAND (1.5 SACKS PER CUBIC YARD) COMPACTED TO 95% STANDARD PROCTOR DENSITY.
4. UNDER PAVING OR WITHIN 3' OF PAVEMENT, THE INITIAL BACKFILL AND ALL BACKFILL UP TO THE PAVEMENT SUBGRADE SHALL BE CEMENT STABILIZED SAND (1.5 SACKS PER CUBIC YARD) COMPACTED TO 95% STANDARD PROCTOR DENSITY.
5. TRENCH SHORING IN ACCORDANCE WITH OSHA, SHALL BE INSTALLED WHERE REQUIRED.
6. SOIL IN THE PIPE ZONE SHALL CONSIST OF NON-WATERBEARING, COHESIVE SOILS WITH A SHEAR STRENGTH OF 1000 PSF OR GREATER. WHEN WET SAND EXISTS IN THE PIPE ZONE, MODIFIED BEDDING SHALL BE INSTALLED.

CLASS "A-A" SANITARY SEWER BEDDING AND BACKFILL

N.T.S.

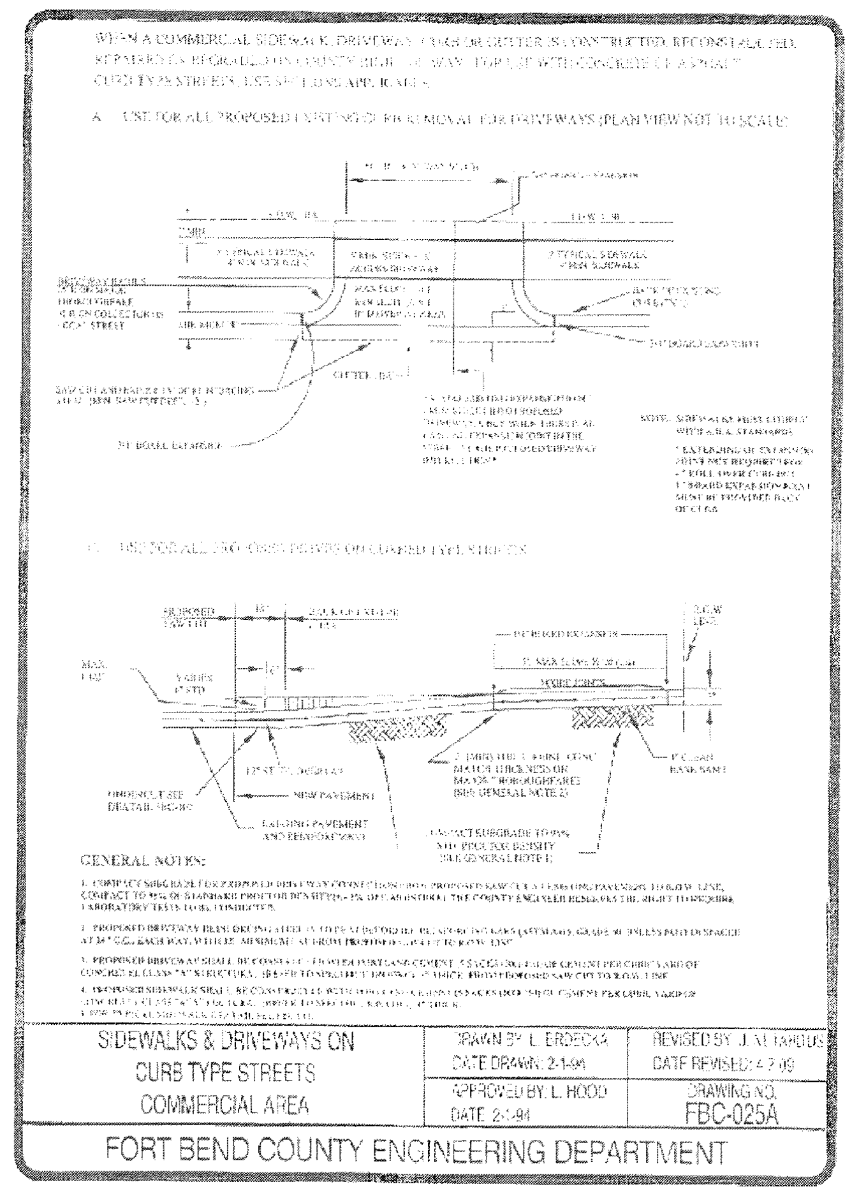


GENERAL NOTES FOR SIDEWALKS AND DRIVEWAYS

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 PROCTER 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 REINFORCING BARS (ASTM A615 GRADE 60, UNLESS NOTED) SPACED AT 24 INCHES O.C., EACH WAY, WITH 12 INCHES MINIMUM LAP (6" X 6" W4 x W4 AS 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 SPECIFICATION 03301), 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 244 FOR ADDITIONAL INFORMATION AND DETAILS.

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

FORT BEND COUNTY ENGINEERING DEPARTMENT



WHEN A COMMERCIAL SIDEWALK, DRIVEWAY, CURB OR GUTTER IS CONSTRUCTED, RECONSTRUCTED, REPAIRED OR REGRADED ON COUNTY RIGHT OF WAY, FOR USE WITH CONCRETE OR ASPHALT CURB TYPE STREETS, USE SECTIONS APPLICABLE.

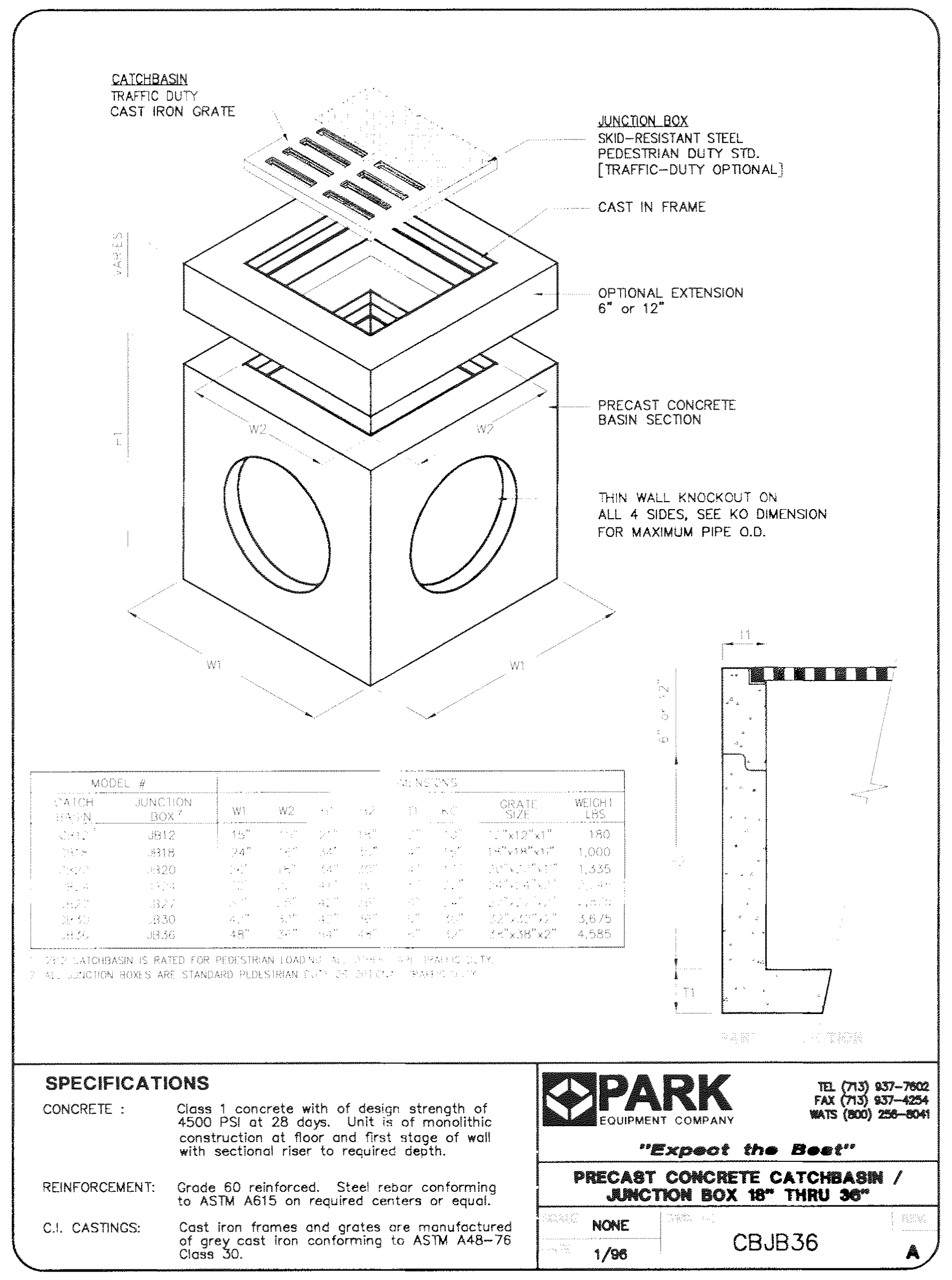
A. USE FOR ALL PROPOSED EXISTING CURB REMOVAL FOR DRIVEWAYS (PLAN VIEW NOT TO SCALE)

B. USE FOR ALL PROPOSED DRIVES ON CURBED TYPE STREETS

GENERAL NOTES:

SIDEWALKS & DRIVEWAYS ON CURB TYPE STREETS COMMERCIAL AREA	DRAWN BY: L. BRDECKA DATE DRAWN: 2-1-94	REVISED BY: J. ALTAROUS DATE REVISED: 4-7-09
	APPROVED BY: L. HOOD DATE: 2-1-94	DRAWING NO. FBC-025A

FORT BEND COUNTY ENGINEERING DEPARTMENT



MODEL # CATCH BASIN	MODEL # JUNCTION BOX ²	W1	W2	H1	H2	T1	KO	GRATE SIZE	WEIGHT LBS
[illegible]	JB12	15"	[illegible]	[illegible]	18"	[illegible]	[illegible]	[illegible]"x12"x1"	180
[illegible]	JB18	24"	[illegible]	34"	[illegible]	4"	[illegible]	18"x18"x1"	1,000
[illegible]	JB20	[illegible]	[illegible]	34"	[illegible]	[illegible]	[illegible]	[illegible]	1,335
[illegible]	JB24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24"x24"x[illegible]	[illegible]
[illegible]	JB27	[illegible]	[illegible]	41"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	JB30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32"x32"x2"	3,675
[illegible]	JB36	48"	[illegible]	54"	48"	[illegible]	[illegible]	[illegible]"x38"x2"	4,585

SPECIFICATIONS

CONCRETE : Class 1 concrete with of design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

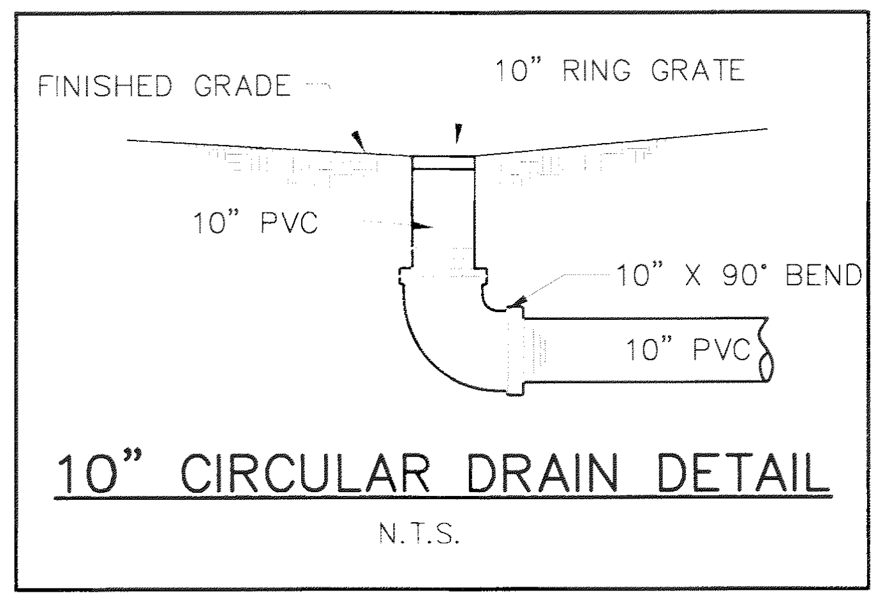
REINFORCEMENT: Grade 60 reinforced. Steel rebar conforming to ASTM A615 on required centers or equal.

C.I. CASTINGS: Cast iron frames and grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30.

PARK EQUIPMENT COMPANY
TEL (713) 937-7602
FAX (713) 937-4254
WATS (800) 256-8041
"Expect the Best"

PRECAST CONCRETE CATCHBASIN / JUNCTION BOX 18" THRU 36"

NONE
1/96
CBJB36
A



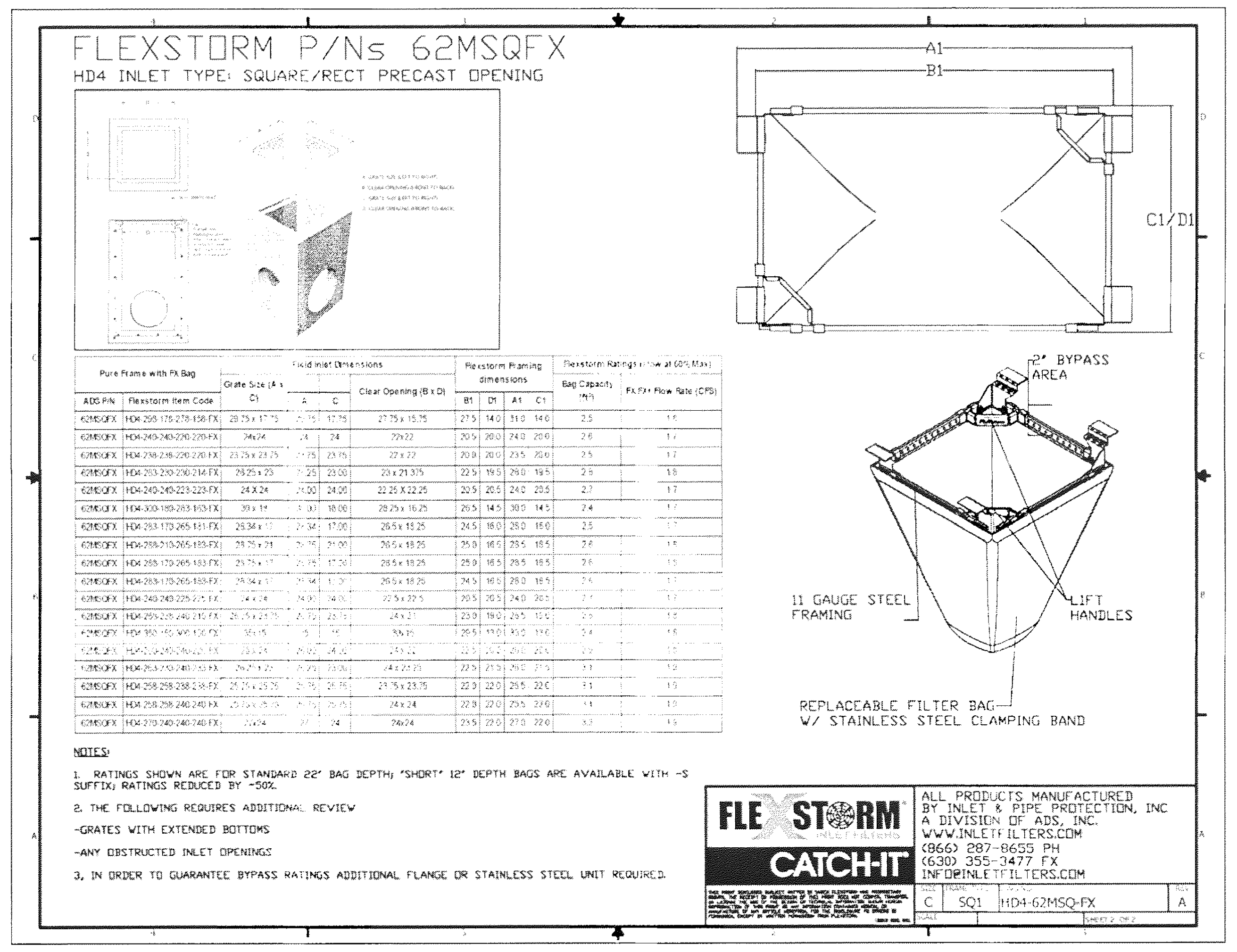
10" CIRCULAR DRAIN DETAIL

N.T.S.

FORT BEND COUNTY
CONSTRUCTION-GENERAL NOTES

1. FORT BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETING.
2. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND 48 HOURS NOTICE TO ANY CONSTRUCTION ACTIVITY WITHIN THE LIMITS OF THE PAVING AT CONSTRUCTION@FORTBENDCOUNTYTX.GOV.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FROM FORT BEND COUNTY PRIOR TO COMMENCING CONSTRUCTION OF ANY IMPROVEMENTS WITHIN COUNTY ROAD RIGHT OF WAYS.
4. ALL PAVING IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FORT BEND COUNTY "RULES, REGULATIONS AND REQUIREMENTS RELATING TO THE APPROVAL AND ACCEPTANCE OF IMPROVEMENTS IN SUBDIVISIONS AS CURRENTLY AMENDED.
5. ALL ROADS WIDTHS, CURBS RADII AND CURB ALIGNMENTS SHOWN INDICATES BACK OF CURBS.
6 A CONTINUOUS LONGITUDINAL REINFORCING BAR SHALL BE USED IN THE CURBS.
7. ALL CONCRETE PAVEMENT SHALL BE 5 1/2 SACK CEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT EACH CURB RETURN AND AT A MAXIMUM SPACING OF 60 FEET.
8. ALL WEATHER 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 DETAILS 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 HANDICAPS RAMPS, WITH NO CONSTRUCTION JOINT WITHIN 5' OF RAMPS.
12. ALL INTERSECTIONS UTILIZING TRAFFIC CONTROL MEASURES SHALL HAVE A.D.A. WHEEL CHAIR RAMP INSTALLED.
13. GUIDELINES ARE SET FORTH IN THE TEXAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" , AS CURRENTLY AMENDED, SHALL BE OBSERVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAGMEN, SIGNING, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION-BOTH DAY AND NIGHT.
14. ALL R1-1 STOP SIGNS SHALL BE 30"X30" WITH DIAMOND GRADE SHEETING PER TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
15. STREET NAME SIGNAGE SHALL BE ON A 9" HIGH SIGN FLAT BLADE W/REFLECTIVE GREEN BACKGROUND. STREET NAMES SHALL BE UPPER AND LOWERCASE LETTERING WITH UPPERCASE LETTERS OF 6" MINIMUM AND LOWERCASE LETTERS OF 4.5" MINIMUM. THE LETTERS SHALL BE REFLECTIVE WHITE. STREET NAMES SHALL BE MOUNTED TO STOP SIGN POST.
16. A BLUE DOUBLE REFLECTORIZED BUTTON SHALL BE PLACED AT ALL FIRE HYDRANT LOCATION. THE BUTTON SHALL BE PLACED 12 INCHES OFF OF THE CENTERLINE OF THE STREET ON THE SAME SIDE AS THE HYDRANT.
17. THE PROJECT AND ALL PARTS THEREOF SHALL BE SUBJECT TO INSPECTION FROM THE TIME BY INSPECTORS DESIGNATED BY FORT BEND COUNTY. NO SUCH INSPECTIONS SHALL RELIEVE THE CONTRACTOR OF ANY OF ITS OBLIGATIONS HEREUNDER. NEITHER FAILURE TO INSPECT NOR FAILURE TO DISCOVER OR REJECT ANY OF THE WORK AS NOT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, REQUIREMENTS AND SPECICATIONS OF FORT BEND COUNTY OR ANY PROVISION OF THIS PROJECT SHALL BE CONSTRUED TO IMPLY AN ACCEPTANCE OF SUCH WORK OR TO RELIEVE THE CONTRCTOR OF ANY OF ITS OBLIGATIONS HEREUNDER.

NOTE: FORT BEND COUNTY NOTES SUPERSEDE ANY CONFLICTING NOTES.



FLEXSTORM P/Ns 62MSQFX

HD4 INLET TYPE: SQUARE/RECT PRECAST OPENING

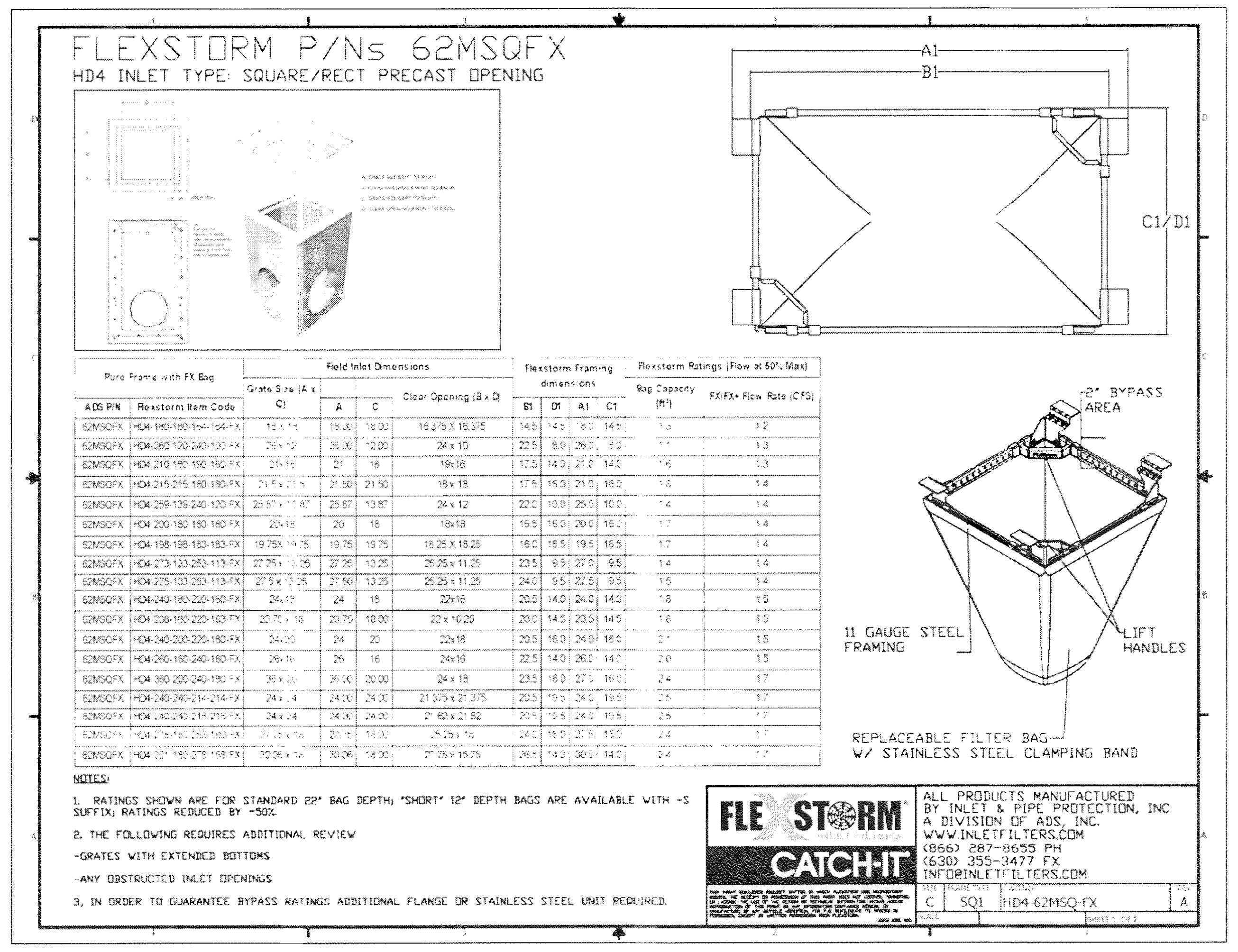
NOTES:

1. RATINGS SHOWN ARE FOR STANDARD 22" BAG DEPTH; "SHORT" 12" DEPTH BAGS ARE AVAILABLE WITH -S SUFFIX; RATINGS REDUCED BY ~50%.
2. THE FOLLOWING REQUIRES ADDITIONAL REVIEW
-GRATES WITH EXTENDED BOTTOMS
-ANY OBSTRUCTED INLET OPENINGS
3. IN ORDER TO GUARANTEE BYPASS RATINGS ADDITIONAL FLANGE OR STAINLESS STEEL UNIT REQUIRED.

FLEXSTORM CATCH-IT

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC
A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM
(866) 287-8655 PH
(630) 355-3477 FX
INFO@INLETFILTERS.COM

C SQ1 HD4-62MSQ-FX A



FLEXSTORM P/Ns 62MSQFX

HD4 INLET TYPE: SQUARE/RECT PRECAST OPENING

NOTES:

1. RATINGS SHOWN ARE FOR STANDARD 22" BAG DEPTH; "SHORT" 12" DEPTH BAGS ARE AVAILABLE WITH -S SUFFIX; RATINGS REDUCED BY ~50%.
2. THE FOLLOWING REQUIRES ADDITIONAL REVIEW
-GRATES WITH EXTENDED BOTTOMS
-ANY OBSTRUCTED INLET OPENINGS
3. IN ORDER TO GUARANTEE BYPASS RATINGS ADDITIONAL FLANGE OR STAINLESS STEEL UNIT REQUIRED.

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC
A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM
(866) 287-8655 PH
(630) 355-3477 FX
INFO@INLETFILTERS.COM

C SQ1 HD4-62MSQ-FX A

TEXAS ENGINEERING & MAPPING CO.
REGISTRATION # F-2906

CARLOS J. BARILLAS
50474

Digitally signed by Carlos J. Barillas
Date: 2017.12.15 11:31:58 -06'00'

Carlos J. Barillas

APPROVED: CJB
by DEVELOPMENT COORDINATOR
DATE: 12/19/17

C-5 NOTES & DETAILS

NOT TO SCALE JOB NO: 244-20

SEE SHT C-0 FOR TOPOGRAPHIC SURVEY
SEE SHT C-1 FOR GRADING & DRAINAGE
SEE SHT C-2 FOR UNDERGROUND UTILITIES
SEE SHT C-3 FOR NOTES & DETAILS
SEE SHT C-4 FOR UNDERGROUND UTILITIES
SEE SHT C-5 FOR NOTES & DETAILS

T.E.A.M.

TEXAS ENGINEERING AND MAPPING CO.
12810 CENTURY DRIVE
STAFFORD, TEXAS 77477
PHONE: (281) 491-2525 FAX: (281) 491-2535

JOB NUMBER :
1708
DATE :
09-14-17
REVISIONS :

A New Addition for:
SIENNA KIDS ACADEMY
8717 SCANLAN TRACE
MISSOURI CITY, TX 77346

JIM LAWLESS, AIA, PLLC
Architects & Planners
931 Pheasant Valley Dr.
Suite 220
Missouri City, Texas 77489
(281) 240-6101

NOT FOR REGULATORY APPROVAL, PERMITTING OR CONSTRUCTION

DRAWING :
C-5