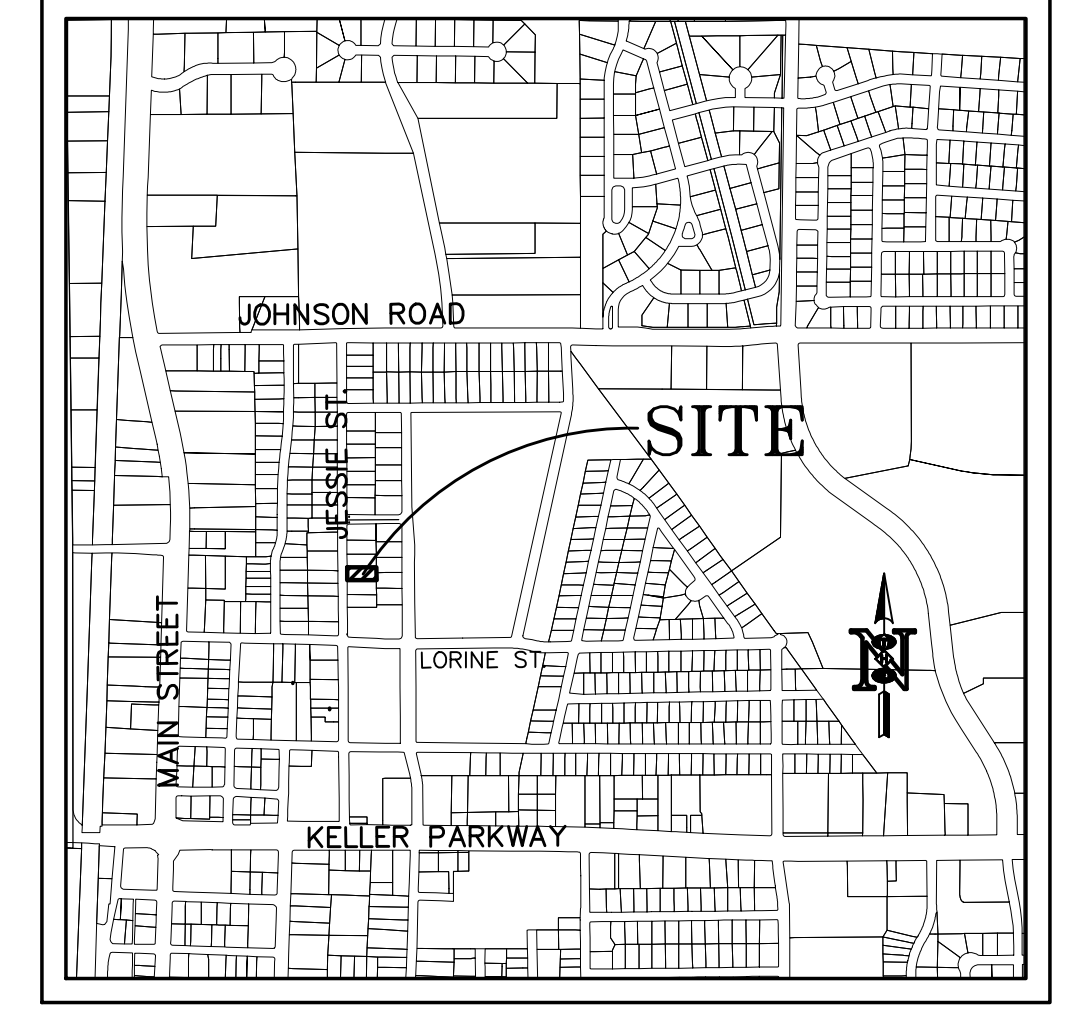


No.	REVISIONS/ SUBMISSIONS	Date



VICINITY MAP
SCALE: 1"=1000'

NOTE

- 1) The Contractor is to protect the existing trees as shown in the Tree Preservation Plan (in the final design documents) during the construction of the new paving, drainage, and utility improvements.
- 2) All setbacks shall be in accordance with the zoning district, as described in the Keller Unified Development Code.
- 3) There are no variances requested for the proposed lot configuration.
- 4) All signage for Lot 3 shall meet the requirements of the Unified Development Code at the time of sign permit review.
- 5) No lighting for parking is proposed. Security lighting shall conform with the Unified Development Code.

**PRELIMINARY
FOR INTERIM REVIEW ONLY**

By THOMAS L. HOOVER P.E.# 62493
Date 10-23-20

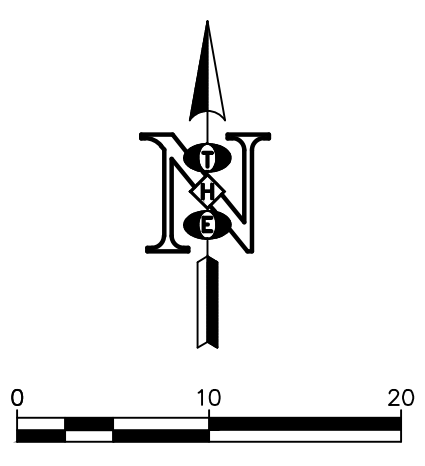
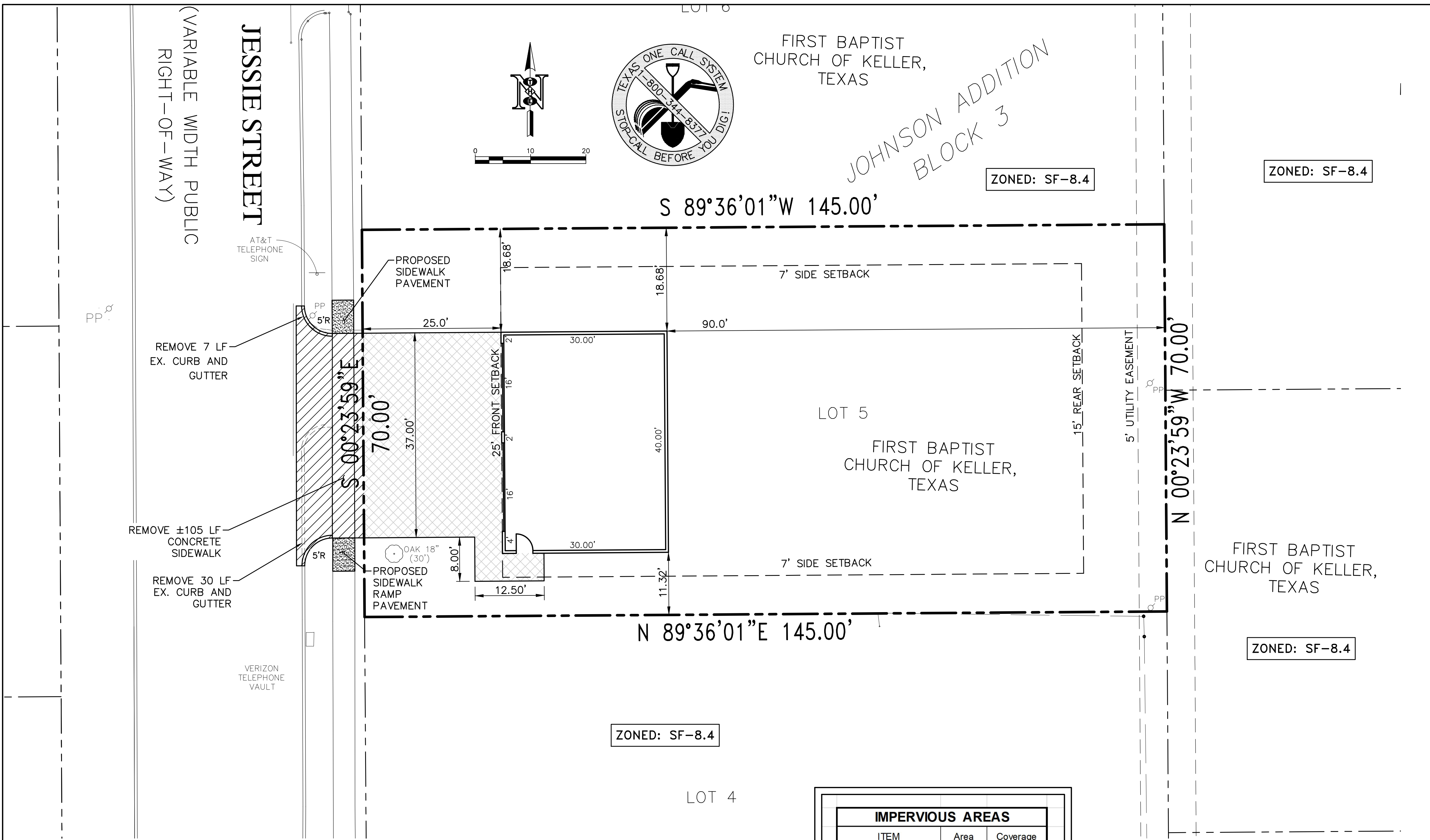
THOMAS HOOVER ENGINEERING, LLC
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THOMAS HOOVER ENGINEERING, LLC
P.O. BOX 1808
KELLER, TEXAS 76244
(817) 913-1350 PH.
T.B.P.E. FIRM REGISTRATION NO. 006009

FIRST BAPTIST CHURCH

**LOT 5, BLOCK 3
JOHNSON ADDITION
IN THE CITY OF KELLER,
TARRANT COUNTY, TEXAS.
0.233 ACRES OF LAND
CURRENT ZONING - "SF-8.4" SINGLE FAMILY**

SITE PLAN			
DESIGNED	TLH	SCALE	PROJECT NO.
DRAWN	SDS	1"=10'	SHEET C-1 of
CHECKED	TLH	DATE	
		10-23-20	



FIRST BAPTIST
CHURCH OF KELLER,
TEXAS

JOHNSON ADDITION
BLOCK 3

ZONED: SF-8.4

ZONED: SF-8.4

S 89°36'01"W 145.00'

7' SIDE SETBACK

LOT 5

FIRST BAPTIST
CHURCH OF KELLER,
TEXAS

5' UTILITY EASEMENT

N 00°23'59"W 70.00'

FIRST BAPTIST
CHURCH OF KELLER,
TEXAS

ZONED: SF-8.4

N 89°36'01"E 145.00'

ZONED: SF-8.4

LOT 4

IMPERVIOUS AREAS		
ITEM	Area (sf)	Coverage percent
LOT	10,150	
EXISTING		
HOUSE	0	0.0%
CAR PORT	0	0.0%
ACCESSORY	0	0.0%
FLAT/CONCRETE	0	0.0%
DRIVE (ASPH)	0	0.0%
TOTAL IMPERVIOUS	0	0.0%
PROPOSED		
STRUCTURE	1,200	11.8%
DRIVE (CONC)	1,011	10.0%
TOTAL INCREASE	2,211	21.8%
TOTAL IMPERVIOUS	2,211	21.8%

- 6" REINF CONC PVMT,
3,600 PSI W/#3 @ 18" OCEW
2" MAX. SAND CUSHION
- 5" REINF CONC PVMT,
3,600 PSI W/#4 @ 24" OCEW
6" LIME TREATED SUBGRADE
- 4" REINF CONC SIDEWALK
PER CITY DETAIL

JESSIE STREET
(VARIABLE WIDTH PUBLIC
RIGHT-OF-WAY)

AT&T
TELEPHONE
SIGN

PROPOSED
SIDEWALK
PAVEMENT

REMOVE 7 LF
EX. CURB AND
GUTTER

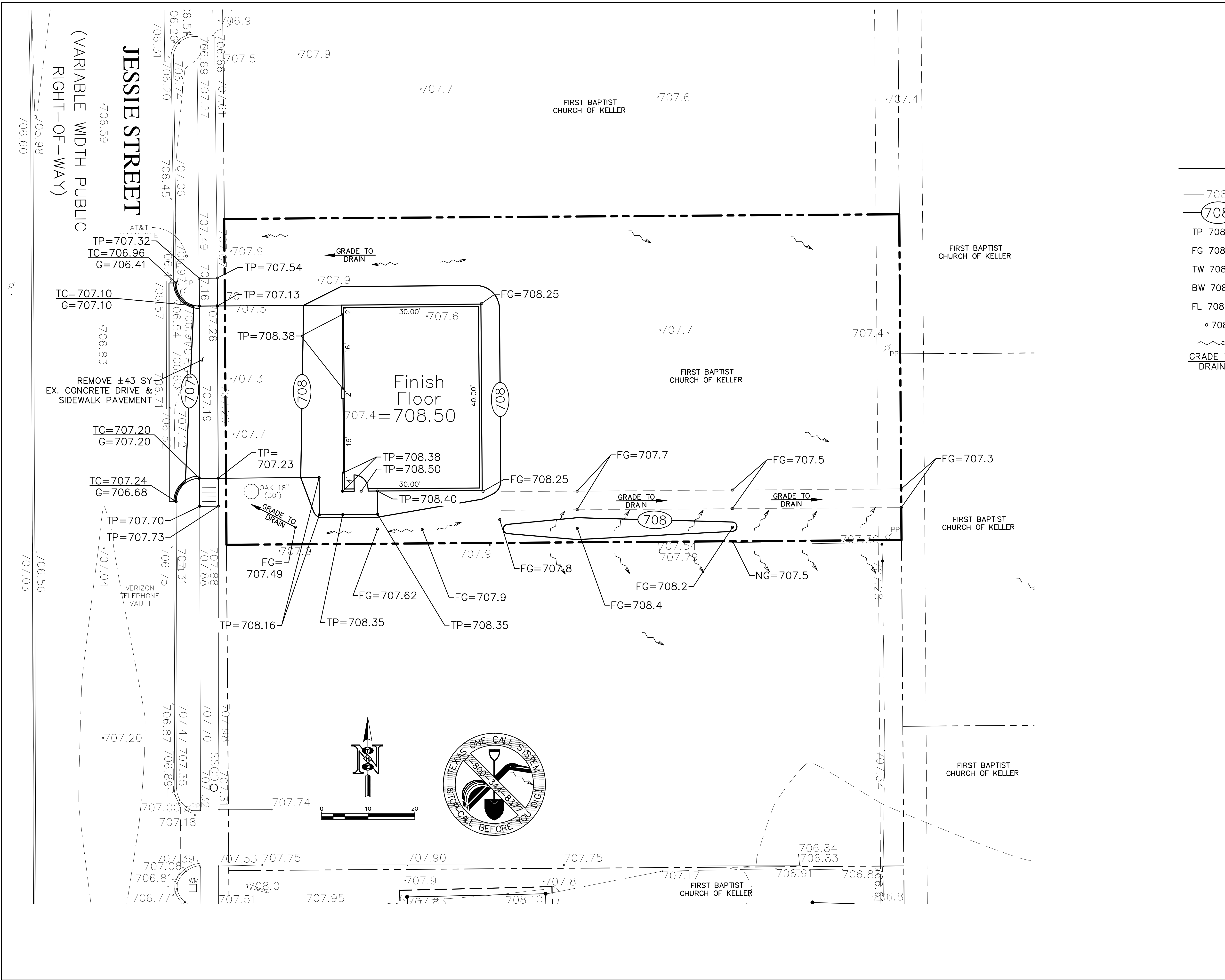
REMOVE ±105 LF
CONCRETE
SIDEWALK

REMOVE 30 LF
EX. CURB AND
GUTTER

PROPOSED
SIDEWALK
RAMP
PAVEMENT

VERIZON
TELEPHONE
VAULT

No.	REVISIONS/ SUBMISSIONS	Date



LEGEND

- 708 — EXISTING GRADE CONTOUR
- 708 ○ PROPOSED GRADE CONTOUR
- TP 708.00 PROPOSED TOP OF PAVEMENT
- FG 708.00 PROPOSED FINISHED GRD. ELEV.
- TW 708.00 PROPOSED TOP OF WALL ELEV.
- BW 708.00 PROPOSED BTM OF WALL ELEV.
- FL 708.00 PROPOSED FLOWLINE OF PIPE
- 708.0 EXISTING SPOT ELEVATION
- ~ ~ ~ EXISTING DRAINAGE FLOW
- GRADE TO DRAIN → PROPOSED DRAINAGE FLOW

**PRELIMINARY
FOR INTERIM REVIEW ONLY**

By THOMAS L. HOOVER P.E.# 62493
Date 10-23-20

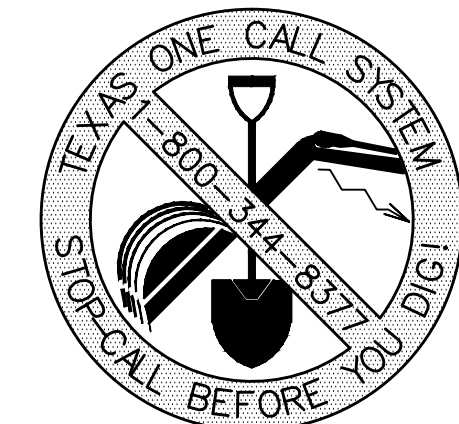
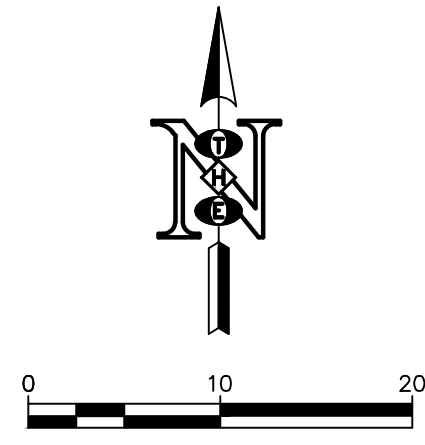
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PURPOSES

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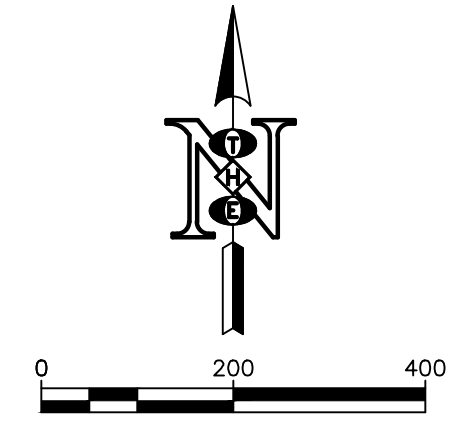
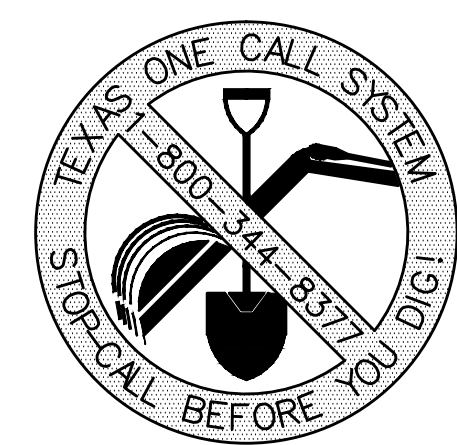
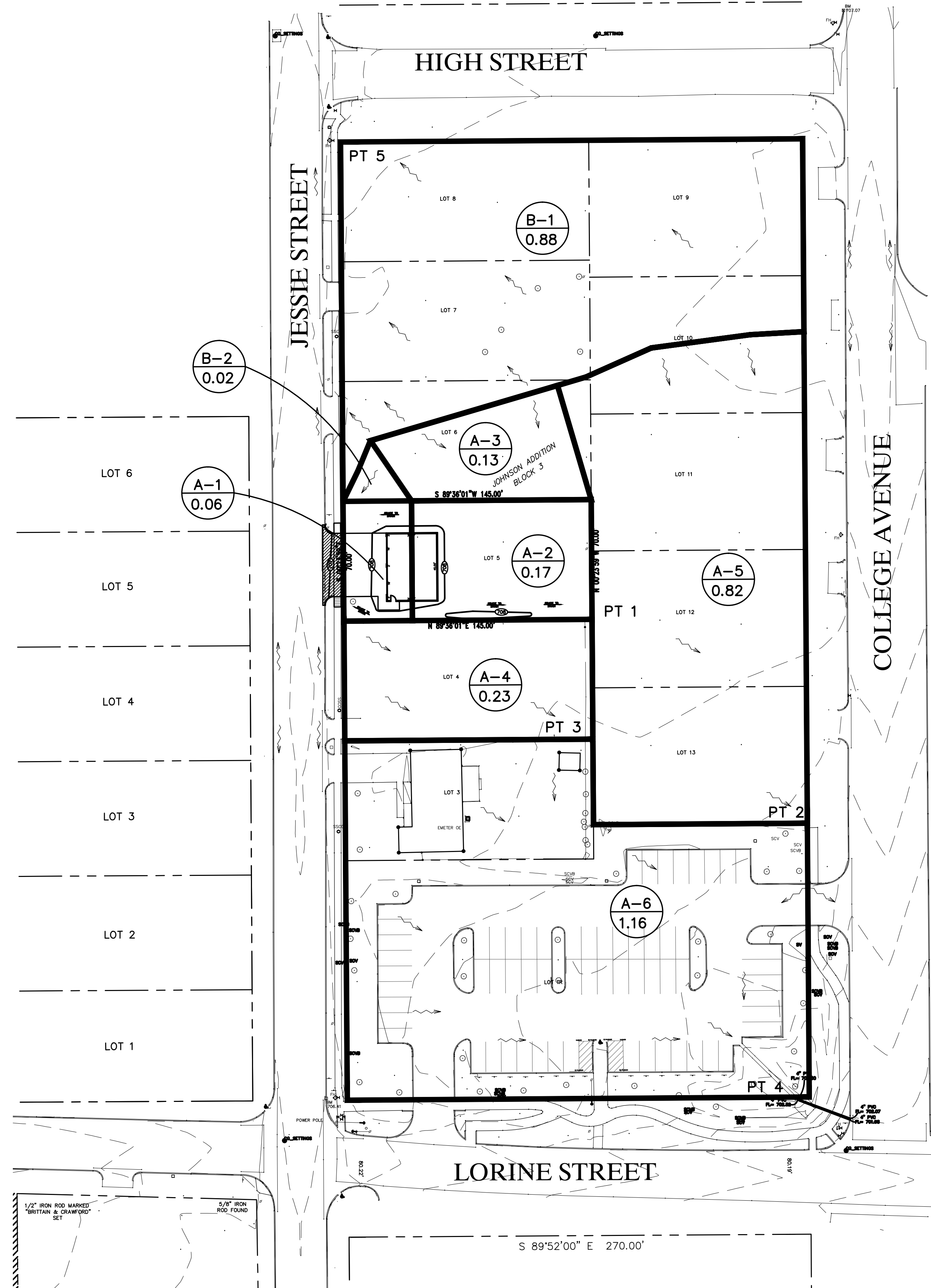
FIRST BAPTIST CHURCH

**LOT 5, BLOCK 3
JOHNSON ADDITION
IN THE CITY OF KELLER,
TARRANT COUNTY, TEXAS.
0.233 ACRES OF LAND
CURRENT ZONING - "SF-8.4" SINGLE FAMILY**

GRADING PLAN			
DESIGNED	TLH	SCALE	PROJECT NO.
DRAWN	SDS	1"=10'	
CHECKED	TLH	DATE	SHEET C-2 of
		10-23-20	



No.	REVISIONS/ SUBMISSIONS	Date



LEGEND

- 708 — EXISTING GRADE CONTOUR
- 708 ○ PROPOSED GRADE CONTOUR
- ~ ~ ~ EXISTING DRAINAGE FLOW
- GRADE TO DRAIN PROPOSED DRAINAGE FLOW
- — — DRAINAGE AREA DIVIDE
- A-1 ○ DRAINAGE AREA NO.
- 0.15 ○ AMT. OF ACRES

PROPOSED DRAINAGE AREAS											
BASIN NUMBER	Tc MIN	AREA Ac	C	I 1 IN/HR	Q 1 CFS	I 10 IN/HR	Q 10 CFS	I 100 IN/HR	Q 100 CFS	DESIGN POINT	COMMENTS
B-1	10	0.88	0.80	4.06	2.86	6.51	4.58	9.24	6.50	5	DRAINS TO HIGH STREET
B-2	10	0.02	0.80	4.06	0.06	6.51	0.10	9.24	0.15	5	DRAINS TO JESSIE STREET
A-1	10	0.06	0.80	4.06	0.19	6.51	0.31	9.24	0.44	5	DRAINS TO JESSIE STREET
SUBTOTAL					3.12	5.00	7.10	TOTAL TO DESIGN POINT NO. 5			
A-3	10	0.13	0.80	4.06	0.42	6.51	0.68	9.24	0.96	1	DRAINS TO SITE
A-2	10	0.17	0.80	4.06	0.55	6.51	0.89	9.24	1.26	1	DRAINS TO EAST
SUBTOTAL					0.97	1.56	2.22	TOTAL TO DESIGN POINT NO. 1			
A-5	10	0.82	0.80	4.06	2.66	6.51	4.27	9.24	6.06	2	DRAINS TO COLLEGE STREET
SUBTOTAL					3.64	5.83	8.28	TOTAL TO DESIGN POINT NO. 2 - COLLEGE STREET			
A-4	10	0.23	0.80	4.06	0.75	6.51	1.20	9.24	1.70	3	NON-CHURCH LOT - DRAINS TO SOUTH (EX. PARKING LOT)
A-6	10	1.16	0.80	4.06	3.77	6.51	6.04	9.24	8.57	4	EX. PARKING LOT AT LORINE & COLLEGE STREETS
SUBTOTAL					4.51	7.24	10.27	TOTAL TO DESIGN POINT NO. 4			
TOTAL					11.27	18.07	25.65	TOTAL GENERATED FROM FBC-KELLER PROPERTY			

PRELIMINARY
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FIRST BAPTIST CHURCH

**LOT 5, BLOCK 3
 JOHNSON ADDITION
 IN THE CITY OF KELLER,
 TARRANT COUNTY, TEXAS.
 0.233 ACRES OF LAND
 CURRENT ZONING - "SF-8.4" SINGLE FAMILY**

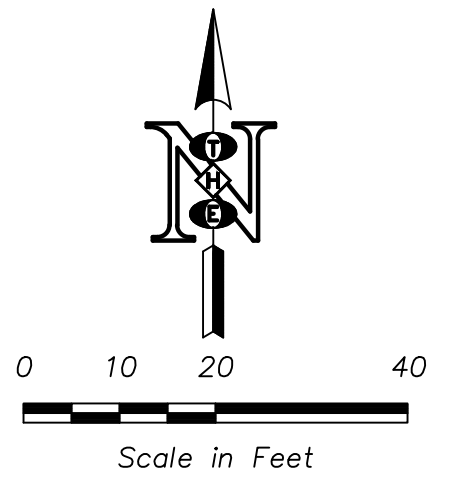
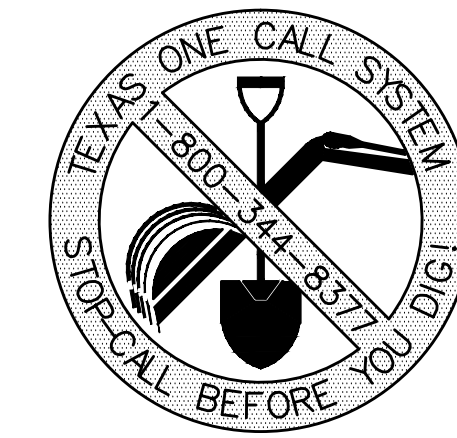
OVERALL DRAINAGE AREA MAP

DESIGNED	TLH	SCALE	1"=20'	PROJECT NO.	SHEET
DRAWN	SDS	DATE	10-23-20		C-3
CHECKED	TLH				of

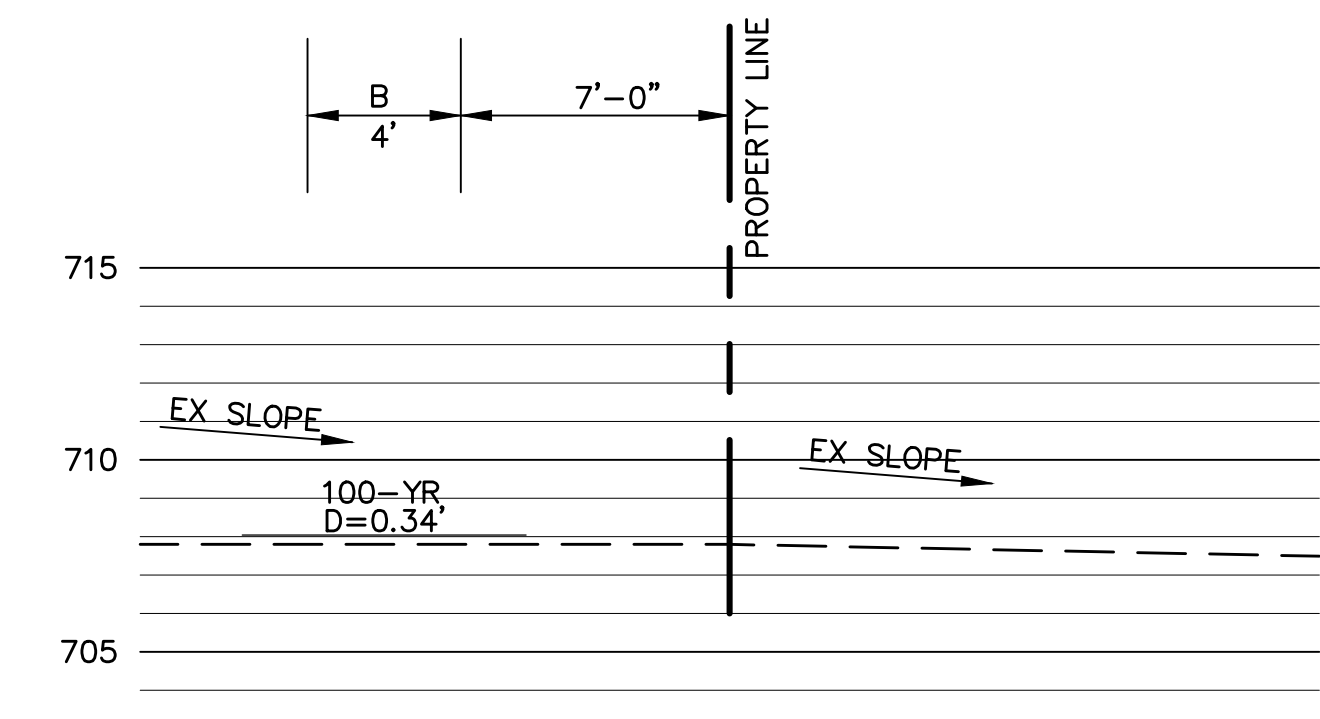
LEGEND

- 708 EXISTING GRADE CONTOUR
- 708 PROPOSED GRADE CONTOUR
- EXISTING DRAINAGE FLOW
- PROPOSED DRAINAGE FLOW
- DRAINAGE AREA DIVIDE
- DRAINAGE AREA NO.
- AMT. OF ACRES

No.	REVISIONS/ SUBMISSIONS	Date



EXISTING DRAINAGE AREAS										
AREA	Tc	Ac	C	I 1	Q 1	I 10	Q 10	I 100	Q 100	COMMENTS
OS-1	10	0.01	0.80	4.06	0.03	6.51	0.05	9.24	0.07	DRAINS TO SITE
A-1	10	0.16	0.80	4.06	0.52	6.51	0.83	9.24	1.18	SITE
SUBTOTAL							0.55	0.89	1.26	TOTAL TO JESSIE STREET
OS-2	10	0.13	0.80	4.06	0.42	6.51	0.68	9.24	0.96	DRAINS TO SITE
A-2	10	0.17	0.80	4.06	0.55	6.51	0.89	9.24	1.26	SITE
SUBTOTAL							0.97	1.56	2.22	TOTAL TO EAST ADJOINING PROPERTY (FIRST BAPTIST CHURCH OF KELLER)



SIDEYARD SWALE
 Q₁₀₀ = 2.22 CFS
 S_{PROP} = 0.0060 FT/FT
 B_{PROP} = 4.0 FT MIN.
 D₁₀₀ = 0.34 FT
 V₁₀₀ = 0.87 FPS
 Sides = 10H : 1V
 CAPACITY = 10± CFS

PRELIMINARY FOR INTERIM REVIEW ONLY
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FIRST BAPTIST CHURCH									
October 23, 2020									
Offsite Area=	0.13								
Onsite Area=	0.17								
Total Area=	0.3								
C=	0.8								
Tc=	10 min								
I100=	9.24								
Design Flow =	2.22 cfs								
base	side slope	D	n	slope	A	WP	Q	V	
4	5	0.34	0.04	0.0060	1.94	7.47	2.27	1.17	REQUIRED
4	5	0.70	0.04	0.0060	5.25	11.14	9.15	1.74	CAPACITY

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0.233 ACRES OF LAND
CURRENT ZONING - "SF-8.4" SINGLE FAMILY

SITE DRAINAGE AREA MAP			
DESIGNED	TLH	SCALE	1"=20'
DRAWN	SDS	DATE	10-23-20
CHECKED	TLH	PROJECT NO.	
		SHEET	C-4 of

