

Owner/Subdivider: HOLY WORD EVANGELICAL LUTHERAN CHURCH
 10601 BLUFF BEND DR.
 AUSTIN, TX 78753

Contact Info: TODD ADAMS
 (512) 836-4264

Engineer: MWM DESIGN GROUP INC.
 305 E. HUNTLAND DR.
 AUSTIN, TX 78752

Contact Info: ANTHONY GOODE, PE
 (512) 453-0767

Surveyor: CHAPARRAL PROFESSIONAL LAND SURVEYING, INC.
 3500 MCCALL LANE, AUSTIN TX. 78744

Contact Info: PAUL L. EASLEY, RPLS
 (512) 443-1724

Legal Description: 19.769 ACRES OUT OF THE EDWARD FLINT
 SURVEY NO. 11, ABSTRACT NO. 277 IN
 TRAVIS COUNTY, TEXAS.

Benchmarks: TBM #1: COTTON SPINDLE IN 10" HACKBERRY
 WITH TREE TAG NO. 22736 +/- 24' EAST OF THE
 SOUTHEAST CORNER OF THE SUBJECT TRACT.

BM #P615: 4" ALUMINUM DISK SET IN CONCRETE IN
 THE SOUTH RIGHT-OF-WAY LINE OF KELLY LANE,
 WHICH BEARS N61°28'50"W, 190.21' FROM THE NE
 PROPERTY CORNER. ELEV.:633.52

Total Number of Blocks: 1
 Total Number of Lots: 1
 Land use: Church/School
 Total Acreage: 19.769 AC.

SURVEYOR'S CERTIFICATION
 STATE OF TEXAS:
 KNOW ALL MEN BY THESE PRESENTS:
 COUNTY OF TRAVIS:
 THAT I, PAUL L. EASLEY, DO HEREBY CERTIFY THAT I PREPARED THIS PLAN FROM
 AN ACTUAL AND ACCURATE ON-THE-GROUND SURVEY OF THE LAND, AND THAT
 THE CORNER MONUMENTS SHOWN THEREON MARKING THE BOUNDARY OF THE
 PROPOSED SUBDIVISION, BUT NOT INTERIOR LOT LINES, WERE PROPERLY PLACED
 UNDER MY PERSONAL SUPERVISION, IN ACCORDANCE WITH ALL CITY OF
 PFLUGERVILLE, TEXAS CODES AND ORDINANCES AND THAT ALL KNOWN
 EASEMENTS WITHIN THE BOUNDARY OF THE PLAT ARE SHOWN HEREON.

SIGNATURE OF REGISTERED PROFESSIONAL LAND SURVEYOR

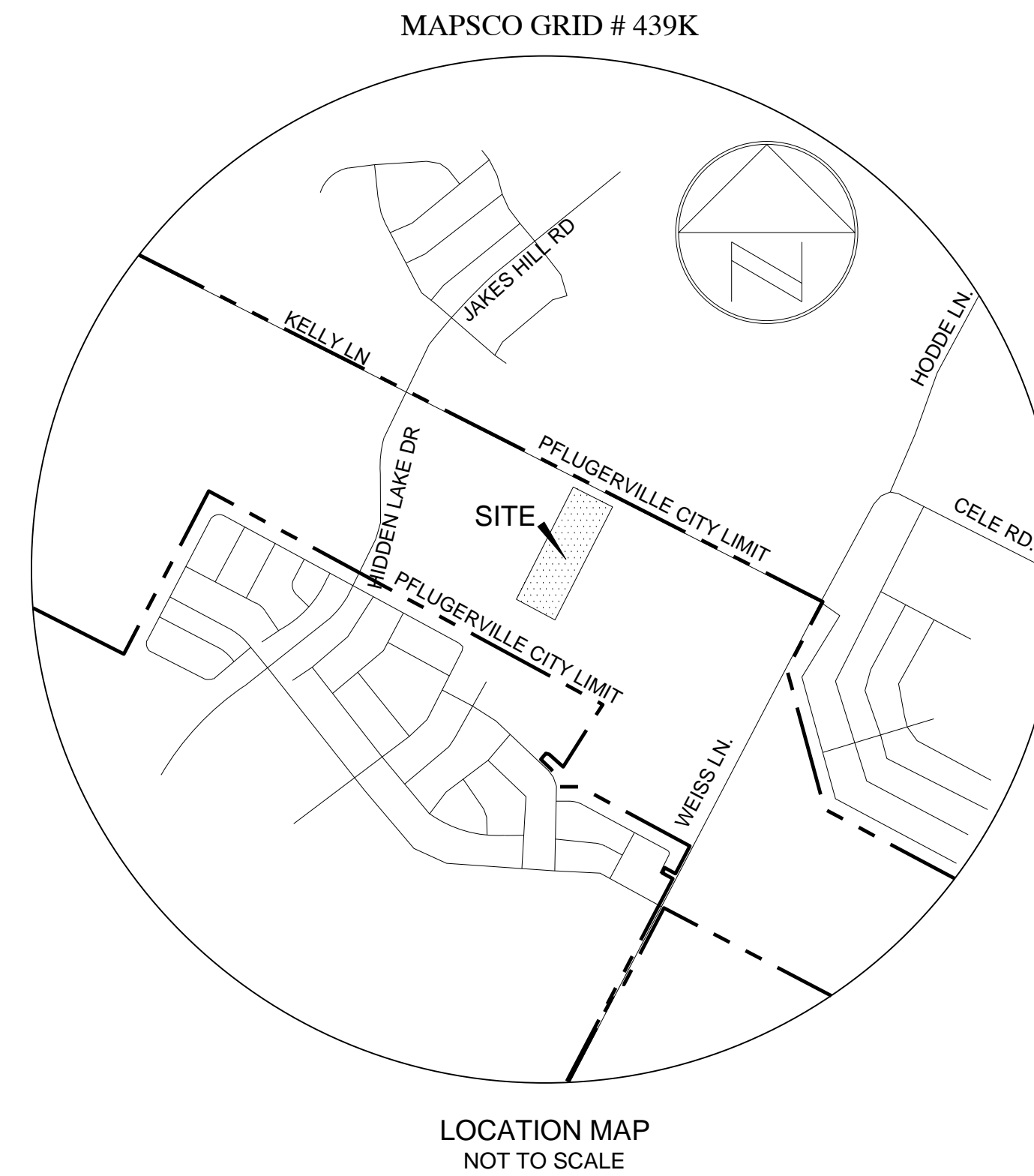
PRELIMINARY PLAN ONLY- NOT FOR RECORDATION

Holy Word Lutheran Preliminary Plan

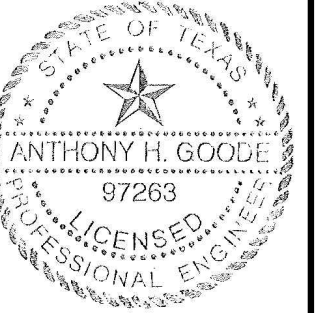
4109 KELLY LANE
 PFLUGERVILLE, TEXAS 78660

SUBMITTAL DATE
 Date: 11-04-2013

INDEX OF SHEETS		
SHEET No.	XX OF XX	DESCRIPTION
C001	01 OF 6	COVER SHEET
C101	02 OF 6	SITE LAYOUT
C102	03 OF 6	EXISTING CONDITIONS & PROP. GRADING
C103	04 OF 6	UTILITY PLAN
C104	05 OF 6	DRAINAGE AND CALCULATIONS
C105	06 OF 6	EROSION AND SEDIMENTATION CONTROL



SUBMITTED BY: *Anthony Goode* 12-3-13
 ANTHONY GOODE, P.E. DATE



305 East Huntland Drive
 Suite 200
 Austin, Texas 78752
 p: 512.453.0767
 f: 512.453.1734

TEXAS BOARD OF
 PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION
 # F-1416

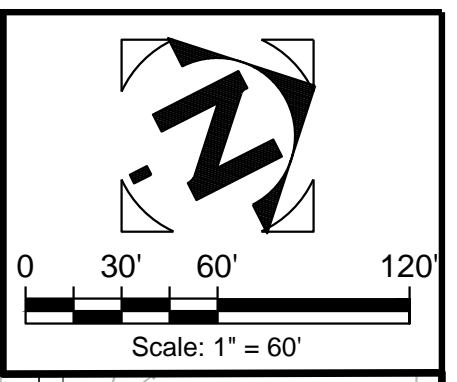
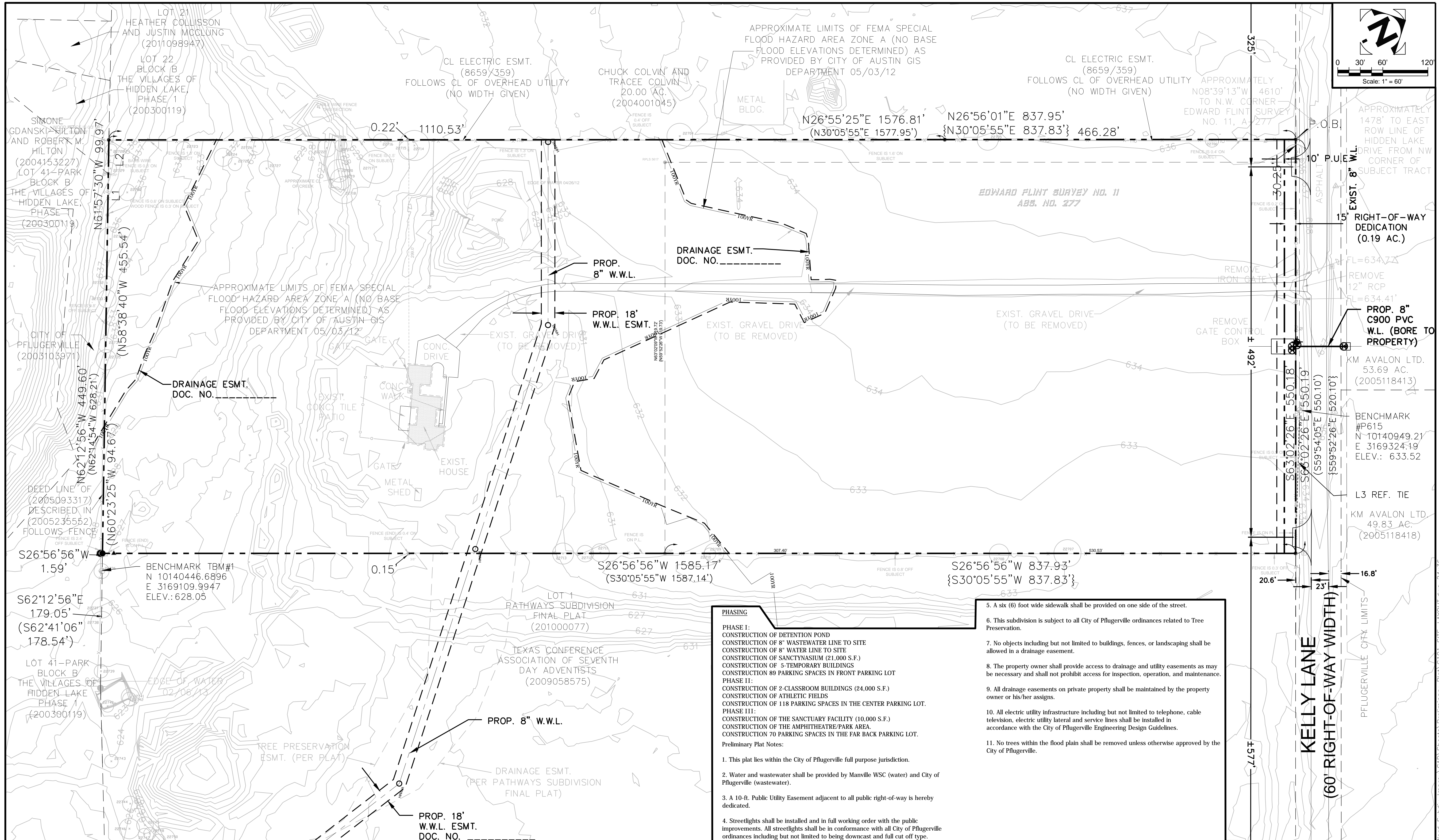
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0 1"
 The bar above
 measures one inch
 on the original
 drawing. Adjust
 scales accordingly.

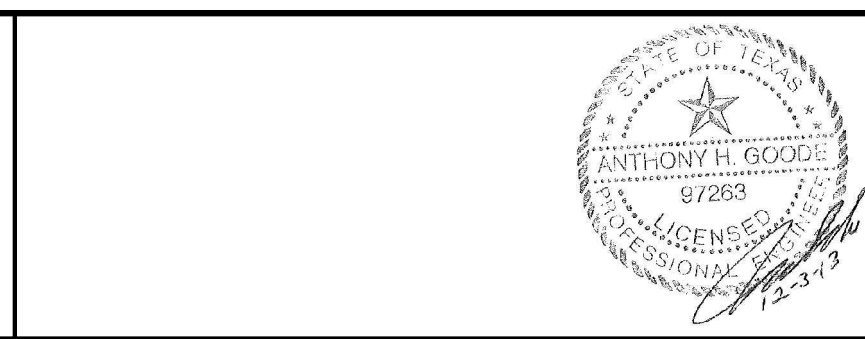
COVER SHEET

HOLY WORD LUTHERAN SUBDIVISION IMPROVEMENTS
 4109 KELLY LANE
 PFLUGERVILLE, TX 78660

PLOTTED: 12/3/2013
 JOB NO: 31102
C001
 1 OF 6



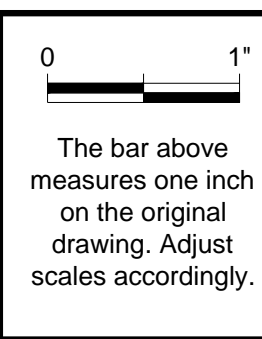
- PHASING**
- PHASE I:**
 CONSTRUCTION OF DETENTION POND
 CONSTRUCTION OF 8" WASTEWATER LINE TO SITE
 CONSTRUCTION OF 8" WATER LINE TO SITE
 CONSTRUCTION OF SANCTYNASIAM (21,000 S.F.)
 CONSTRUCTION OF 5-TEMPORARY BUILDINGS
 CONSTRUCTION 89 PARKING SPACES IN FRONT PARKING LOT
- PHASE II:**
 CONSTRUCTION OF 2-CLASSROOM BUILDINGS (24,000 S.F.)
 CONSTRUCTION OF ATHLETIC FIELDS
 CONSTRUCTION OF 118 PARKING SPACES IN THE CENTER PARKING LOT.
- PHASE III:**
 CONSTRUCTION OF THE SANCTUARY FACILITY (10,000 S.F.)
 CONSTRUCTION OF THE AMPHITHEATRE/PARK AREA.
 CONSTRUCTION 70 PARKING SPACES IN THE FAR BACK PARKING LOT.
- Preliminary Plat Notes:**
1. This plat lies within the City of Pflugerville full purpose jurisdiction.
 2. Water and wastewater shall be provided by Manville WSC (water) and City of Pflugerville (wastewater).
 3. A 10-ft. Public Utility Easement adjacent to all public right-of-way is hereby dedicated.
 4. Streetlights shall be installed and in full working order with the public improvements. All streetlights shall be in conformance with all City of Pflugerville ordinances including but not limited to being downcast and full cut off type.
 5. A six (6) foot wide sidewalk shall be provided on one side of the street.
 6. This subdivision is subject to all City of Pflugerville ordinances related to Tree Preservation.
 7. No objects including but not limited to buildings, fences, or landscaping shall be allowed in a drainage easement.
 8. The property owner shall provide access to drainage and utility easements as may be necessary and shall not prohibit access for inspection, operation, and maintenance.
 9. All drainage easements on private property shall be maintained by the property owner or his/her assigns.
 10. All electric utility infrastructure including but not limited to telephone, cable television, electric utility lateral and service lines shall be installed in accordance with the City of Pflugerville Engineering Design Guidelines.
 11. No trees within the flood plain shall be removed unless otherwise approved by the City of Pflugerville.



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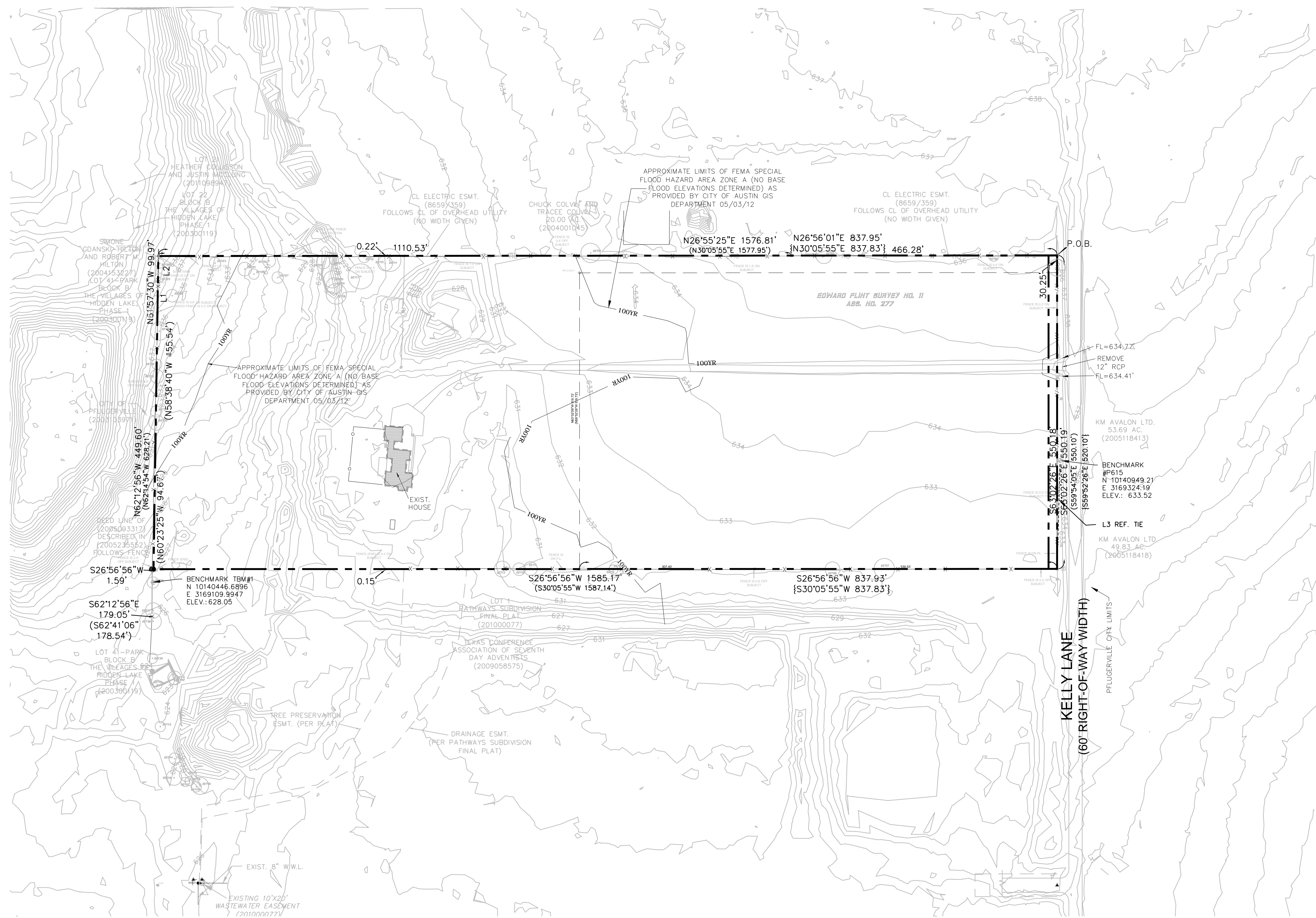
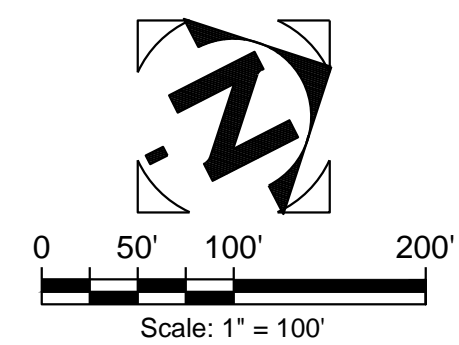
SITE LAYOUT

HOLY WORD LUTHERAN SUBDIVISION IMPROVEMENTS
 4109 KELLY LANE
 PFLUGERVILLE, TX 78660

PLOTTED: 12/3/2013
 JOB NO: 31102

C101

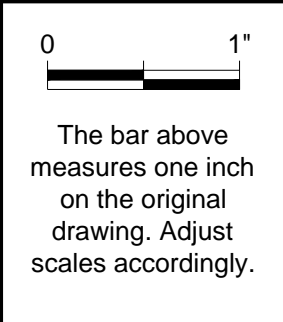
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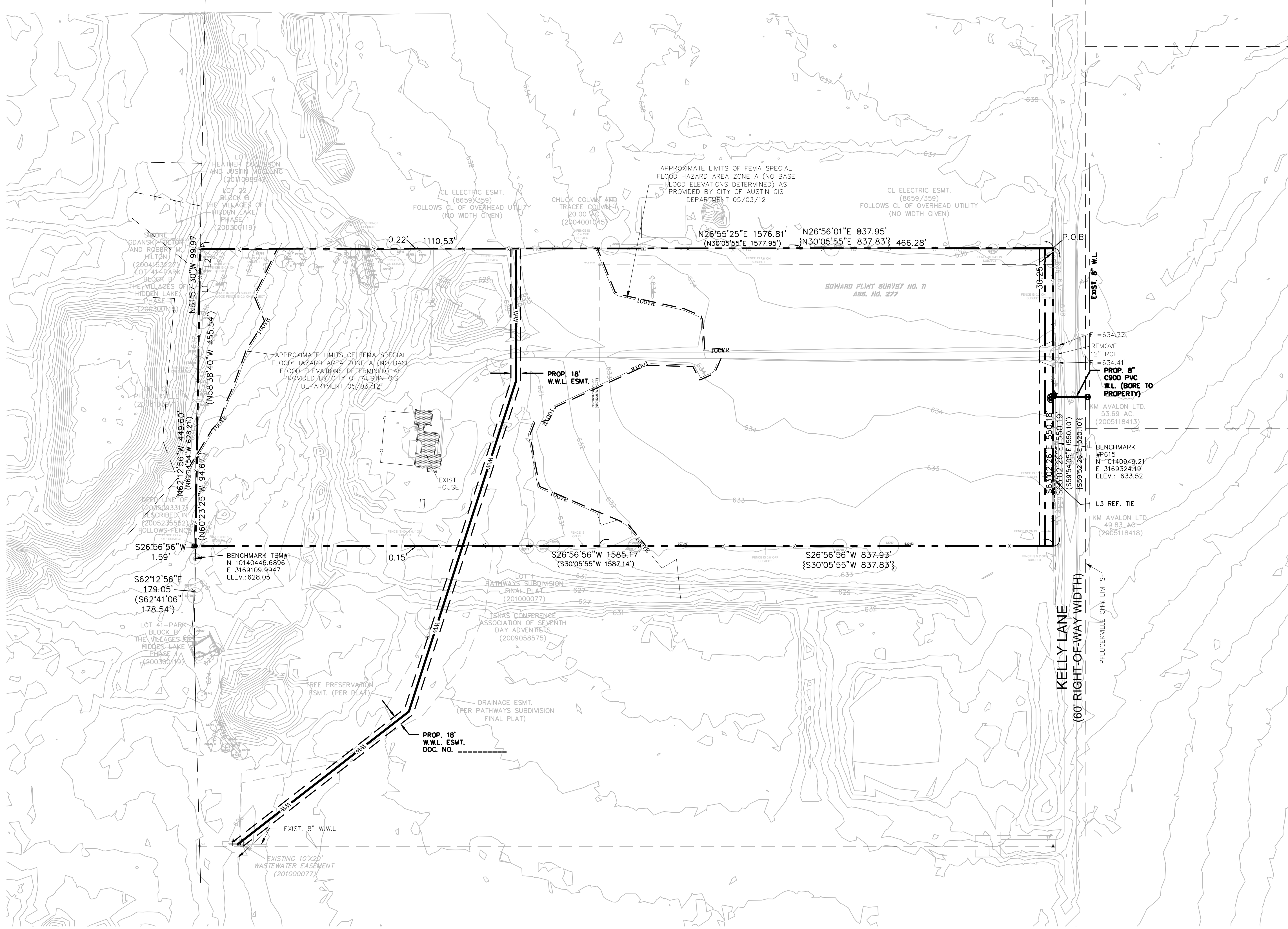
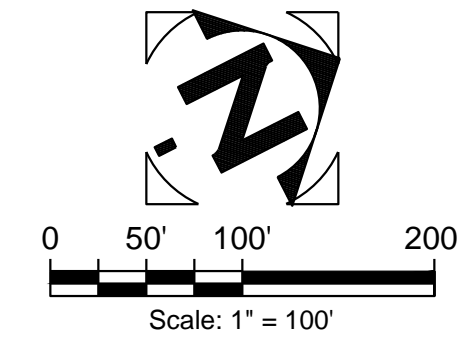


EXISTING CONDITIONS & PROP. GRADING PLAN

HOLY WORD LUTHERAN SUBDIVISION IMPROVEMENTS
4109 KELLY LANE
PFLUGERVILLE, TX 78660

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JOB NO: 31102

C102
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CITY OF PFLUGERVILLE WATER AND WASTEWATER NOTES:

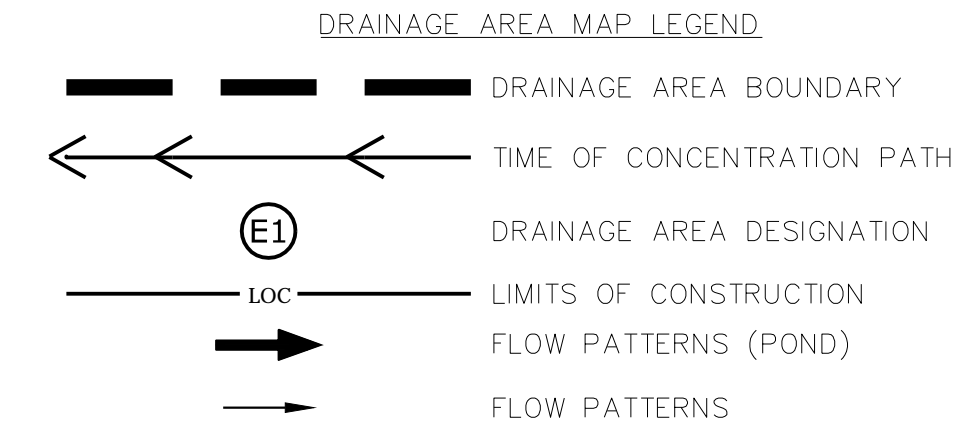
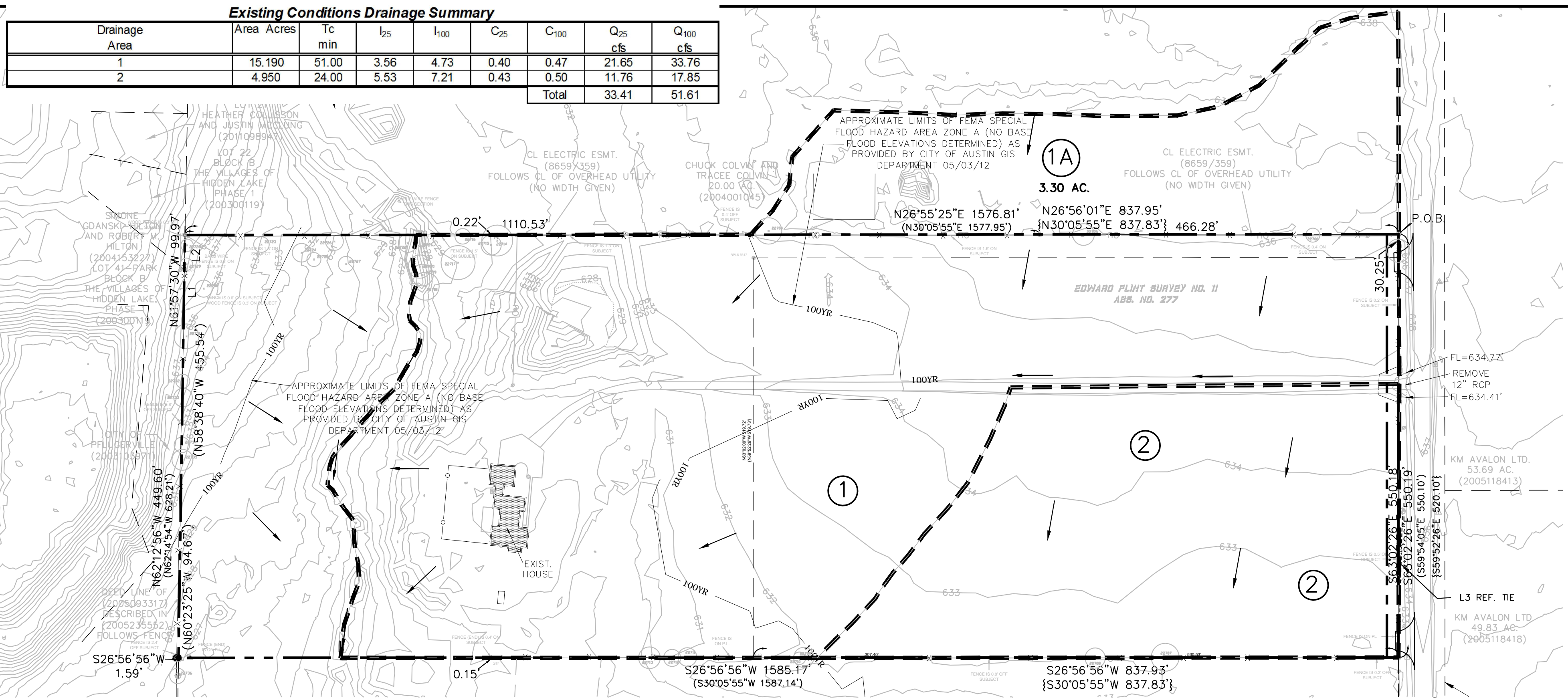
1. PIPE MATERIAL FOR WATER MAINS SHALL BE PVD (AWWA C-900, MIN CLASS 150), OR DUCTILE IRON (AWWA C-100, MIN 150). WATER SERVICES (2" OR LESS) SHALL BE POLYETHYLENE TUBING (200 PSI, DR9).
2. PIPE MATERIAL FOR PRESSURE WASTEWATER MAINS SHALL BE PVC (AWWA C-900, MIN. CLASS 150) OR DUCTILE IRON (AWWA C-100, MIN. CLASS 150). PIPE MATERIAL FOR GRAVITY WASTEWATER MAINS SHALL BE PVC (SDR 26). SDR-35 WASTEWATER IS NOT ALLOWED IN THE RIGHT OF WAY OR PUBLIC EASEMENT.
3. ALL WASTEWATER MAIN, EXCLUDING SERVICE LINES, SHALL BE MANDREL TESTED PER TCEQ (TEXAS COMMISSION ON ENVIRONMENTAL QUALITY) CRITERIA. A MANDREL TEST WILL NOT BE PERFORMED UNTIL BACKFILL HAS BEEN IN PLACE FOR A MINIMUM 30 DAYS.
4. UNLESS OTHERWISE ACCEPTED BY THE CITY ENGINEER, DEPTH OF COVER FOR ALL LINES OUT OF THE PAVEMENT SHALL BE 42" MIN. AND DEPTH OF COVER FOR ALL LINES UNDER PAVEMENT SHALL BE A MIN. OF 30" BELOW SUBGRADE.
5. WHERE A WATER OR WASTEWATER LINE CROSSES BELOW A STORM SEWER STRUCTURE AND THE TOP OF THE PIPE IS WITHIN 18" OF THE BOTTOM OF THE UTILITY STRUCTURE, THE PIPE SHALL BE ENCASED WITH CONCRETE FOR A DISTANCE OF AT LEAST 1' ON EITHER SIDE OF THE DITCH LINE OF THE UTILITY STRUCTURE OR THE STORM SEWER. CONCRETE ENCASEMENT WILL NOT BE REQUIRED FOR DUCTILE IRON PIPE WITH SIZES LARGER THAN 12". CONCRETE ENCASEMENT SHALL CONFORM TO THE CITY OF PFLUGERVILLE STANDARD DETAIL.
6. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON RING AND COVER. ALL MANHOLES LOCATED OUTSIDE OF THE PAVEMENT SHALL BE BOLTED COVERS. TAPPING OF FIBERGLASS MANHOLES SHALL NOT BE ALLOWED. ALL MANHOLES SHALL BE COATED WITH 10 MIL OF RAVEN LINING SYSTEM OR APPROVED EQUAL.
7. ALL PIPE BEDDING MATERIAL SHALL CONFORM TO THE CITY OF PFLUGERVILLE STANDARD DETAIL.
8. ALL FIRE HYDRANT LEADS SHALL BE DUCTILE IRON PIPE (AWWA C-100, MIN. CLASS 150).
9. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH A MINIMUM 8-MIL.
10. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR TO COORDINATE UTILITY TIE-INS AND NOTIFY HIM AT LEAST 48 HOURS PRIOR TO CONNECTION TO EXISTING LINES.
11. THE CONTRACTOR, AT HIS EXPENSE, SHALL PERFORM QUALITY TESTING FOR ALL WASTEWATER PIPE INSTALLED AND PRESSURE PIPE HYDROSTATIC TESTING OF ALL WATER LINES CONSTRUCTED AND SHALL PROVIDE EQUIPMENT INCLUDED PUMPS, GAUGES, SUPPLIES, AND LABOR NECESSARY TO PERFORM THE TESTS. QUALITY AND PRESSURE TESTING SHALL BE MONITORED BY CITY OF PFLUGERVILLE PERSONNEL. WATER SAMPLES WILL BE COLLECTED BY THE CITY OF PFLUGERVILLE TO VERIFY EACH TREATED LINE HAS ATTAINED AN INITIAL CHLORINE CONCENTRATION OF 50 PPM.
12. THE CONTRACTOR SHALL COORDINATE TESTING WITH THE CITY OF PFLUGERVILLE AND PROVIDE NO LESS THAN 24 HOURS NOTICE PRIOR TO PERFORMING STERILIZATION, QUALITY TESTING OR PRESSURE TESTING.
13. THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES UNLESS AUTHORIZED BY THE CITY OF PFLUGERVILLE.
14. ALL VALVE BOXES AND COVERS SHALL BE CAST IRON.
15. A DOUBLE CHECK BACKFLOW DEVICE IN A VAULT SHALL BE INSTALLED ADJACENT THE RIGHT OF WAY OR PUBLIC EASEMENT ON PRIVATE PROPERTY ON ALL PRIVATE FIRE LINES.
16. ALL WATER SERVICE, WASTEWATER SERVICE AND VALVE LOCATIONS SHALL BE APPROPRIATELY MARKED AS FOLLOWS:
 WATER SERVICE "W" ON TOP OF CURB
 WASTEWATER SERVICE "S" ON TOP OF CURB
 VALVE "V" ON FACE OF CURB
17. THE CONTRACTOR IS HEREBY NOTIFIED THAT CONNECTING TO, SHUTTING DOWN, OR TERMINATING EXISTING UTILITY LINES MAY HAVE TO OCCUR AT OFF - PEAK HOURS. SUCH HOURS ARE USUALLY OUTSIDE NORMAL WORKING HOURS AND POSSIBLY BETWEEN 12 A.M. AND 6 A.M.
18. ALL FIRE HYDRANTS SHALL BE NATIONAL STANDARD HOSE THREAD.
19. ALL MATERIAL TESTS, INCLUDING SOIL DENSITY TESTS AND RELATED SOIL ANALYSIS, SHALL BE ACCOMPLISHED BY AN INDEPENDENT LABORATORY FUNDED BY THE DEVELOPER IN ACCORDANCE WITH THE SPECIFICATIONS.
20. THE WIDTH OF THE WASTEWATER EASEMENT IS SUBJECT TO CHANGE BASED ON THE FINAL DESIGN OF THE WASTEWATER LINE.

		305 East Huntland Drive Suite 200 Austin, Texas 78752 p: 512.453.0767 f: 512.453.1734 TEXAS BOARD OF PROFESSIONAL ENGINEERS CERTIFICATE OF REGISTRATION # F-1416	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 10%;">BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	BY					<p>The bar above measures one inch on the original drawing. Adjust scales accordingly.</p>	<p>UTILITY PLAN</p> <p>HOLY WORD LUTHERAN SUBDIVISION IMPROVEMENTS 4109 KELLY LANE PFLUGERVILLE, TX 78660</p>	PLOTTED: 12/3/2013 JOB NO: 31102 <p style="font-size: 24pt; font-weight: bold; text-align: center;">C103</p> <p style="text-align: center;">4 OF 6</p>
NO.	DATE	DESCRIPTION	BY											

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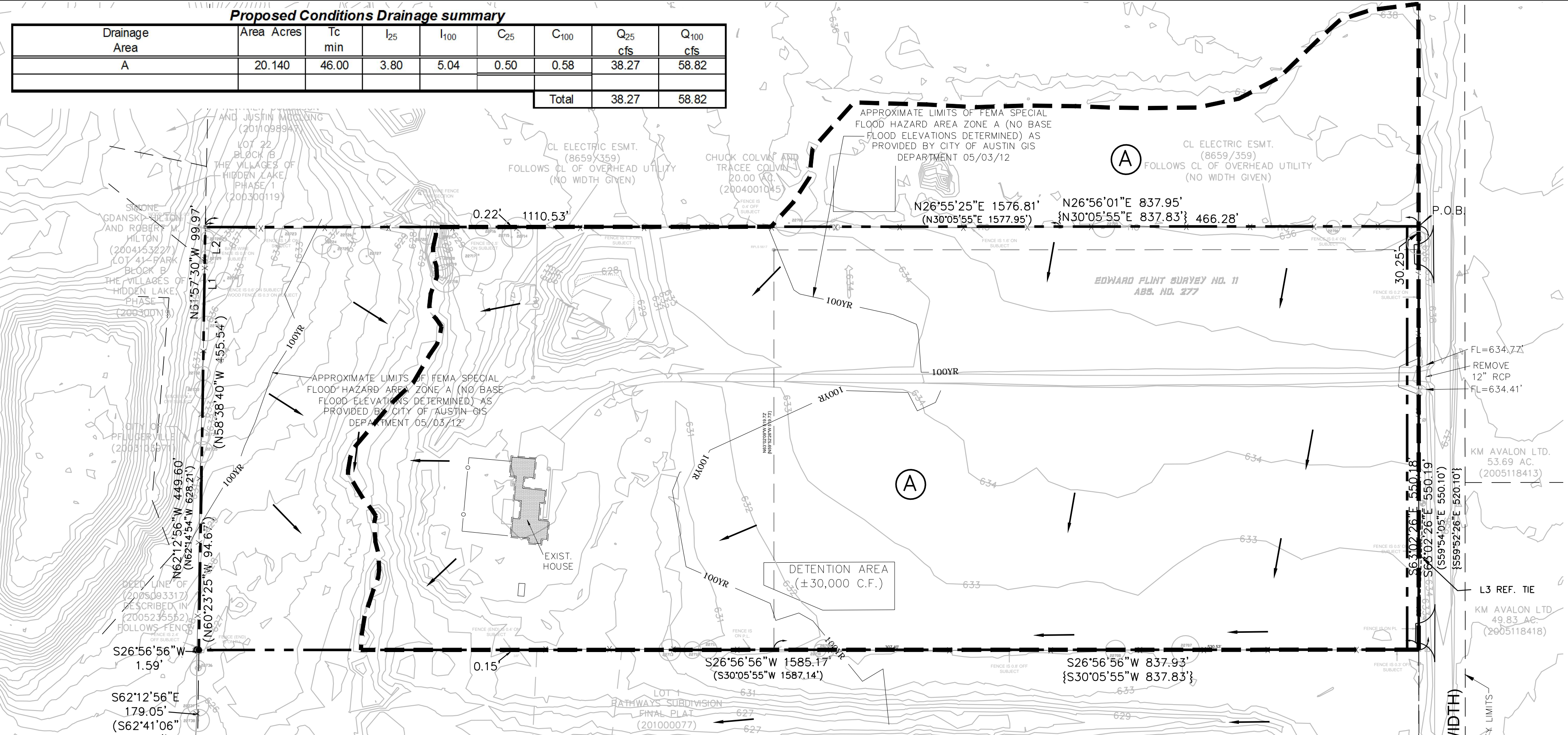
Existing Conditions Drainage Summary

Drainage Area	Area Acres	Tc min	I ₂₅	I ₁₀₀	C ₂₅	C ₁₀₀	Q ₂₅ cfs	Q ₁₀₀ cfs
1	15.190	51.00	3.66	4.73	0.40	0.47	21.65	33.76
2	4.950	24.00	5.53	7.21	0.43	0.50	11.76	17.85
Total							33.41	51.61

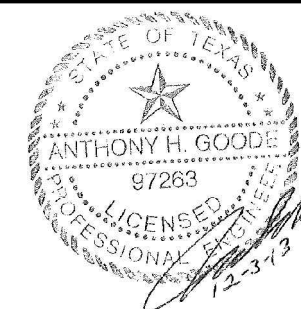


Proposed Conditions Drainage summary

Drainage Area	Area Acres	Tc min	I ₂₅	I ₁₀₀	C ₂₅	C ₁₀₀	Q ₂₅ cfs	Q ₁₀₀ cfs
A	20.140	46.00	3.80	5.04	0.50	0.58	38.27	58.82
Total							38.27	58.82

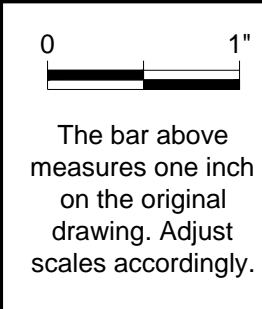


Notes:
 1. Detention requirements for this site will be met per Section 4 of the City of Pflugerville Engineering Design Guidelines at the time of the site development. Peak runoff rates shall not be increased at any point downstream for the 2-year, 25-year and 100-year storm events.



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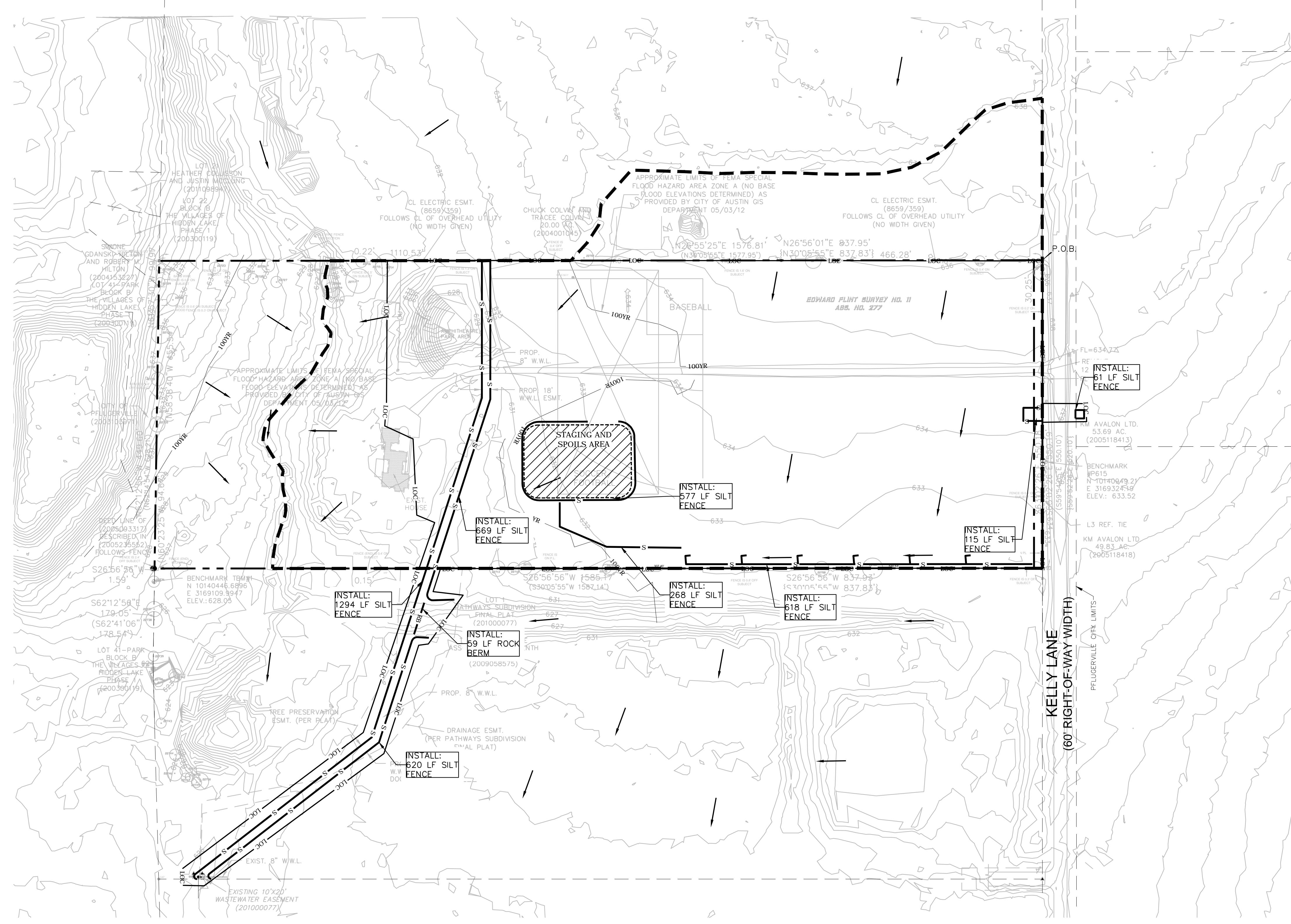
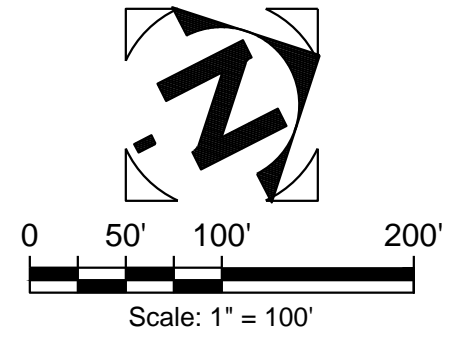
DRAINAGE AND CALCULATION PLAN

HOLY WORD LUTHERAN SUBDIVISION IMPROVEMENTS
 4109 KELLY LANE
 PFLUGERVILLE, TX 78660

PLOTTED: 12/3/2013
 JOB NO: 31102

C104

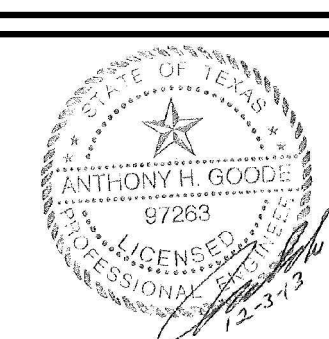
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EROSION/SEDIMENTATION LEGEND

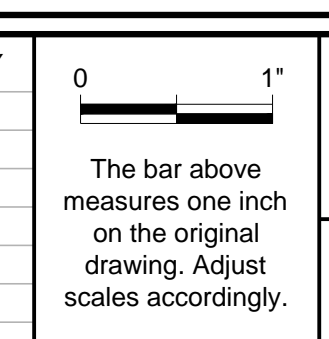
	SILT FENCE REF: COA DET. 642S-1
	TREE PROTECTION FENCE REF: COA DET. 610S-1, 610S-2, 610S-3, 610S-4, 610S-5
	REINFORCED ROCK BERM REF: COA DET. 639S-1
	INLET PROTECTION REF: COA DET. 528S-2
	TRIANGULAR FILTER DIKE REF: COA DET. 628S
	MULCH SOCK REF: COA DET. 648S-1
	FIBER LOG REF: DET. (get from vendor)
	FILTER SOCK REF: DET. (get from vendor)
	STABILIZED CONSTRUCTION ENTRANCE REF: COA DET. 641S-1

SITE DISTURBED AREA = 14.0 AC.
OFF-SITE DISTURBED AREA = 1.32 AC.



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EROSION & SEDIMENTATION CONTROL PLAN

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C105
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