**FOR** 

# APPROVED CITY OF LUCAS CITY ENGINEER DATE 3-1--22

# **HENDRICK FARM**

CITY OF LUCAS, COLLIN COUNTY, TEXAS

# PLAN SUBMITTAL/REVIEW LOG

1ST SUBMITTAL TO CITY	03/02/2018
2ND SUBMITTAL TO CITY	04/30/2018
3RD SUBMITTAL TO CITY	05/14/2018
4TH SUBMITTAL TO CITY	09/08/2021
5TH SUBMITTAL TO CITY	10/08/2021
6TH SUBMITTAL TO CITY	12/10/2021
7TH SUBMITTAL TO CITY	01/31/2022

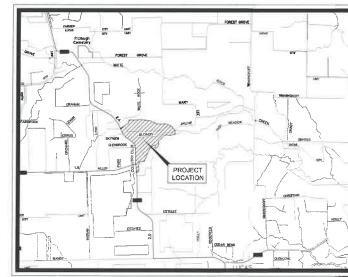
# **ENGINEER**

# Kimley≫Horr

13455 NOEL ROAD STATE OF TEXAS SUITE 700 REGISTRATION NO. F-928 DALLAS, TEXAS 75204 TEL: (972) 770-1300

### OWNER/DEVELOPER

HENDRICK FARM, LLC 800 CENTRAL PARKWAY EAST, SUITE 100 PLANO, TEXAS 75074 TEL: (972) 422-4515 CONTACT: RUILEDGE HAGGARD



VICINITY MAP

Know what's below.
Call before you dig.

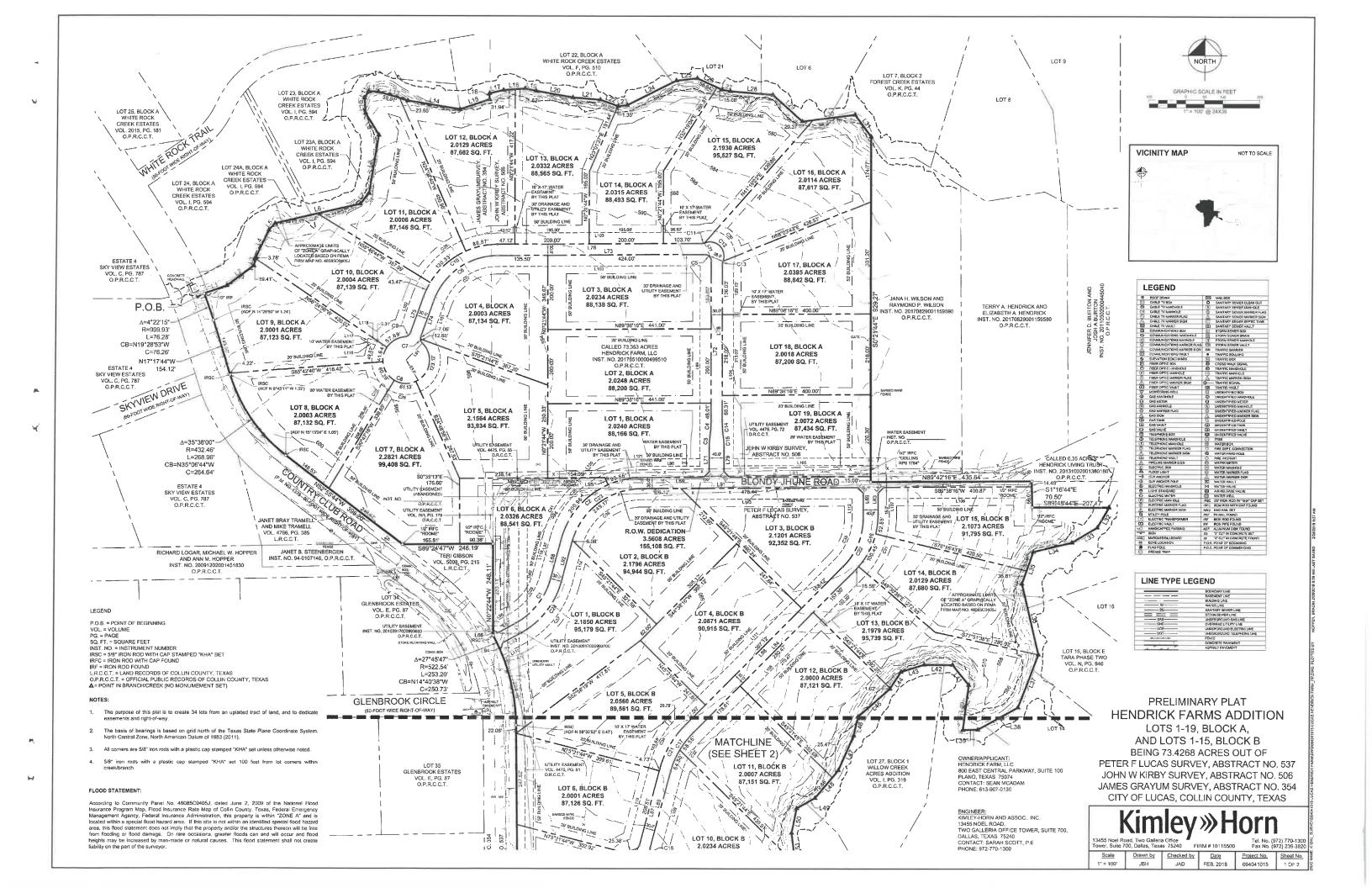


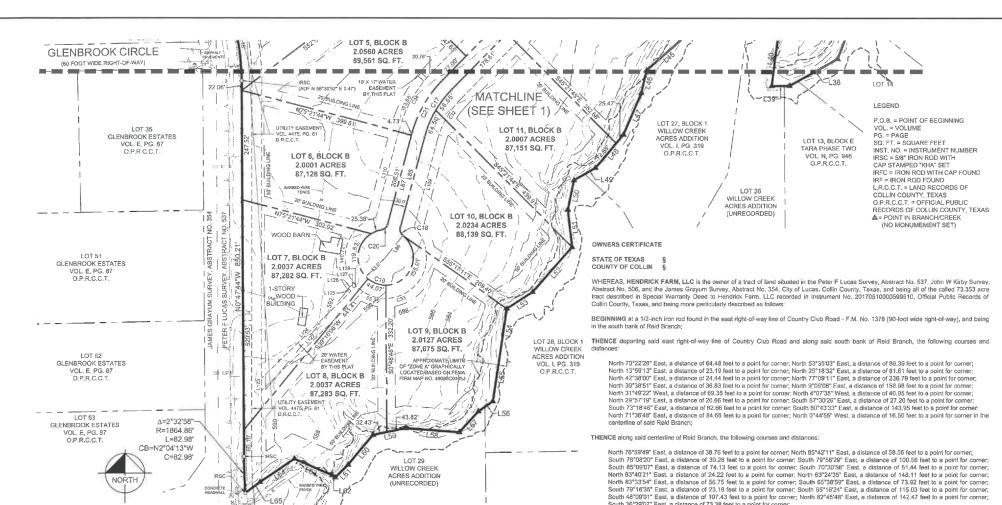
JANUARY 2022

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L CONSTRUCTION PLANS





South 36°29'07" East, a distance of 73.38 feet to a point for corner;

"ROOME" found for the southwest comer of said 0.35 acre tract:

215, Land Records of Collin County, Texas;

THENCE with said centerline of creek, the following courses and distances:

THENCE with said east right-of-way line of Country Club Road, the following courses and distances:

THENCE with said east right-of-way line of Country Club Road, the following courses and distances:

THENCE departing said centerline of Reid Branch and with the west line of a called 4.785 agre tract described in General Warranty Deed to Jana

History departing said certaintie on Read plantal and with the west rate of a care of 4.763 said et act described in "general what any peed to sain a H. Wilson and Raymond P. Wilson recorded in Instrument No. 20170829001156590 of said official Public Records, South 0°2144\* East, passing at a distance of 897.07 feet a 1/2-inch iron rod with plastic cap stamped "KHA" set in the approximate centerline of Blondy Jhune Road (a generally recognized public road);

THENCE along said centerline of Blondy Jhune Road, North 89°42'16" East, a distance of 435.64 feet to a 1/2-inch iron rod with plastic cap stamped "ROOME" found for the northwest comer of a called 0.35 acre tract described in General Warranty Deed to Hendrick Living Trust recorded in Instrument No. 20170829001159590 of said Official Public Records;

THENCE with the west line of said 0.35 acre tract. South 1°16'44" East, a distance of 70.50 feet to a 1/2-inch fron rod with plastic cap stamped

THENCE with the south line of said 0.35 acre tract, South 89°48'44" East, a distance of 207.17 feet to a point in the centerline of a creek, for the

South 29°43'42" West, a distance of 62.16 feet to a point for corner; South 59°29'56" West, a distance of 79.87 feet to a point for corner South 76"12"52" West, a distance of 108.89 feet to a point for corner. South 19"28"19" West, a distance of 90.78 feet to a point for corner. South 19"28"19" West, a distance of 152.80 feet to a point for corner, South 20"400"3 West, a distance of 152.80 feet to a point for corner, South 60"55"10" West, a distance of 160.81 feet to a point for corner, South 80"6"61" West, a distance of 10.57 feet to a point for corner, South 80"6"61" A, distance of 40.57 feet to a point for corner, South 80"6"61" A, distance of 40.57 feet to a point for corner, South 80"6"61" A, distance of 40.57 feet to a point for corner, South 80"6"61" A, distance of 40.57 feet to a point for corner, South 80"6"61" A, distance of 40.57 feet to a point for corner, South 80"6"61" A, distance of 40.57 feet to a point for corner, South 80"6" A, dista

South 7\*56'42" West, a distance of 98.64 feet to a point for corner; South 8\*21'52" West, a distance of 113.48 feet to a point for corner; South 55'10'13" West, a distance of 39.88 feet to a point for corner; South 42'37'02" West, a distance of 64.35 feet to a point for corner; South 78'23'27" West, a distance of 76.25 feet to a point for corner; South 78'23'27" West, a distance of 76.25 feet to a point for corner; South 39"48'50" West, a distance of 76.25 feet to a point for corner; South 39"48'50" West, a distance of 76.25 feet to a point for corner; South 39"48'50" West, a distance of 76.25 feet to a point for corner; South 39"48'50" West, a distance of 76.25 feet to a point for corner; South 39"48'50" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a point for corner; South 50"500" West, a distance of 76.25 feet to a poi

South 39\*46'50" West, a distance of 88.08 feet to a point for corner, South 45"09'00" West, a distance of 40.26 feet to a point for corner, North 55"035" West, a distance of 83.86 feet to a point for corner, North 56"33"54" West, a distance of 93.86 feet to a point for corner; South 55"45"11" West, a distance of 93.84 feet to a point for corner; South 53"2"75" West, a distance of 42.06 feet to a 56"4.61 iron root with plastic cap stamped "KHA" set in said east right-of-way line of Country Club Road, and being the beginning of a non-tangent curve to the right having a cantral angle of 2"32"56", a radius of 1864.86 feet, a chord bearing and distance of North 2"04"13" West, 82.98 feet;

In a northwesterly direction, with said curve to the right, an arc distance of 82.98 feet to a 5/8-inch iron rod with plastic cap stamped

"KHA" set for comer; North O"4744" West, a distance of 850.21 feet to a 5/8-inch iron rod with plastic cap stamped "KHA" set at the beginning of a tangent curve to the left having a central angle of 27'4547", a radius of 522.54 feet, a chord bearing and distance of North 14'40'98' West, 250.73 feet; from said point an aluminum isisk in concrete stamped "Ts007" found bears North 58'93'25' East, a distance of 0.4 7 feet; In a northwesterly direction, with said curve to the left, an arc distance of 253.20 feet to a 5/8-inch iron rod with plastic cap stamped

'KHA" set for the southeast corner of a called 0.596 acre tract described in Warranty Deed to Teri Gibson recorded in Volume 5008, Page

North 52°55'44" West, a distance of 398.20 feet to a 5/8-inch iron rod with plastic cap stamped "KHA" set at the beginning of a tangent

curve to the right having a central angle of 35°38'00'; a radius of 432.46 feet, a hord bearing and cistance of North 35°08'44' West, 284.64 feet, the hord bearing and cistance of North 35°08'44' West, 284.64 feet, from said point an aluminum disk in concrete stamped "TXDOT" found bears North 15°13'24" East, a distance of 1.05 feet, in a northwesterly direction, with said curve to the right, an arc distance of 268.96 feet to a 564-not not with plastic cap stamped

"KHA" set for corner; from said point an aluminum disk in concrete stamped "TxDOT" found bears North 8°45'11" West, a distance of 1.32

feet; North 17\*17'44" West, a distance of 154.12 feet to a 5/8-inch iron rod with plastic cap stamped "KHA" set at the beginning of a tangent curve to the left having a central angle of 4"22'15", a radius of 999.93 feet, a chord bearing and distance of North 19\*28'53" West, 76.26 feet, from said point an aluminum disk in concrete stamped "TxDOT" found bears North 14"29"50" West, a distance of 1.24 feet; in a northwesterly direction with said curve to the left, an arc distance of 76.28 feet to the POINT OF BEGINNING and containing 73.4268 acres or 3,198,472 square feet of land.

THENCE departing said east right-of-way line of Country Club Road and with the east line of said 0.596 acre tract. North 0°22'44" West, a distance of 248.11 feet to a 1/2-inch iron rod with plastic cap stamped "ROOME" found for the northeast comer of said 0.596 acre traci

THENCE with the north line of said 0.596 acre tract, South 89\*2447" West, a distance of 246.19 feet to a 1/2-inch iron rod with plastic cap stamped "ROOME" found in said east right-of-way line of Country Club Road, for the northwest corner of said 0.596 acre tract;

VICINITY MAP NOT TO SCALE

GRAPHIC SCALE IN FEET

NO.	DELTA	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	46*48'13"	195.00	159.29	N38"02"22"E	154.90
C2	75"00'00"	225.00	294.52	S52°08'16"W	273.94
C3	B*34*12*	252.60'	37.78	S03°28'52"W	37.75
C4	8*37*29*	247.00	37.18	N03*27*01*E	37.15
C5	90"00'00"	17.00	26.70	N45°21'44"W	24.04
C6	70*00:00*	185.00°	226.02	S54*38'16*W	212.22
C7	86*25'40*	17.00	19.71'	S13"34'35'E	18.62
C8	312"50"37"	63.00	343.99'	N70°22'06"W	50.40
C9	66°24'57"	17.00	19.71*	N52°50'44"E	18.62
C10	70"00"00"	215.00	262.67	S54*38'16"W	246.64

LIN	E TABLE		LIN	E TABLE		LIN	E TABLE		LINE	TABLE	
NQ.	BEARING	LENGTH	NO.	BEARING	LENGTH	NO.	BEARING	LENGTH	NO.	BEARING	LENGTH
L1	N70"22"28"E	64.4B°	L30	N82°45'48"E	142,47'	L59	S78*23*27*W	76.25'	L68	S44"3B'16"W	602.24
1,2	N53°35'03"E	89.39"	L31	S36"29'07"E	73.38*	L60	S39°48'50"W	88.08	L89	S00*21'44"E	67.81*
L3	N13°59'13"E	23.19'	L32	S29°43'42'W	62.16	L61	S45°09'00"W	40.26	L90	S45"21"44"E	21.21
L4	N25*18'32"E	81,611	L33	S59"29'56"W	79.87	L62	N55"20"38"W	8.33	L91	N89°38'16"E	582.56
L5	N42*38'00"E	24.44'	L34	S76*12'52'W	106.89"	L63	N66*33'54"W	93.86	L92	N14*38'16"E	108.411
L6	N77°09'11'E	236.79"	L35	S19°28'19"W	90.78'	L64	S55*45'11"W	93.84	L93	S61°26'29"W	52.62"
w	N39"38'51"E	36.83*	L36	S13"22"02"E	196,83*	L65	S53*27'57"W	42.06	1.94	S18°29'53'W	21.96'
LB	N09°09'06"E	158.98'	L37	S20°40'03'W	152.80'	L66	N59°28'08"W	15.411	L95	N24°11"12"W	20.96'
L9	N31*49'22"W	69.35	L38	S50"55'10"W	123.81*	L67	N61"26'29"E	51.76	L96	N61*26'29"E	50.68
L10	N04*07'35*W	40.95	L39	S89"16'41"W	40.57	L68	N14°38'16"E	108.41	L97	N14"38'16"E	108.41
L11	N29"57'19"E	20.66'	L40	N06°59'37"E	122.48'	L69	\$89"38'16"W	155.56'	L98	N89°38'16"E	157.56
L12	587°30'26"E	27.20'	L41	N38°53'24"W	69.31'	L70	\$44°38'16"W	21.21	L99	N00°21'44"W	540.00
L13	S73°18'46"E	82.66'	L42	N89*39'50"W	77.41	L71	S00°21'44"E	62.26	L100	S89°36'16"W	546.50°
L14	S80°43'33"E	143,95	L43	\$72*53'26"W	65.39	£72	N00°21'44"W	431.01	£101	S19°38'16"W	93.47
L15	N71°36'48"E	84.66*	L44	S33*04'32"W	54.69	£73	\$89°38'16"W	559.50	L102	N19*38*16*E	93.48
L16	N00°44'55°W	16.50*	L45	\$48*26'32"W	114.31'	£74	N19"38'16"E	101.54	L103	N89"38'16"E	548.93'
L17	N76°59'49"E	38.76	L46	S12*36'07'W	52.36'	L75	S19*38'16"W	101.54	L104	S00°21'44"E	542.43'
L18	N85°42'11"E	58.56*	L47	\$22°58'11"W	102,25	L76	S89*38*16*W	550.82'	L105	N89°38'16"E	370,00°
L19	S78°08'20"E	30.28	L48	\$39*49'00'W	98.35	L77	\$22°40"11"E	38.00*	L106	S89*38*16*W	385.87
L.20	S79°56'29"E	100.56	£49	S60°46'48"W	56.44*	L78	N00"21'44"W	422.34	L107	S00°21'44"E	42.81*
L21	\$85°09'07"E	74.13*	L50	S11°32'25"W	68.03*	£79	N00"21'44"W	62.26'	L108	544°38'16"W	616.38
L22	870°30'56"E	51.44*	L51	S07°07'12"E	85.19"	1.80	N45°21'44"W	21,21	£109	S14°38'16"W	205.18
L23	N83°40'21"E	24.22'	L52	S41"13'50"W	135.00"	181	S89°38'16'W	380.00'	£110	N14"38'16"E	205.18
L24	N63°24'35"E	148,111	L53	557"23'24"W	69.71	L82	S44*38*16*W	21.21	L111	N44*38*16*E	602.24
L25	N83"33'54"E	56.75	L54	S07°56'42"W	98.64*	L83	\$00°21'44"E	57.81	L112	N00°21'44"W	52.81"
L26	S65*38'59"E	73.92	L55	S08*21'52'W	113.48'	L84	N44°38'16"E	616.38	£113	SB9°38'16"W	567.56"
L27	S79*16'35*E	23.18'	LS6	S55"10'13'W	39.88'	L85	N14°38'16"E	213.24'	L114	S14°38'16"W	108.41
L28	\$85°16'24"E	115.03'	L57	S42°37'02"W	64.35	L86	S38*12'57"W	63.00	L115	S61°26'29'W	70.21
L29	\$48°09'01"E	107.43	L58	N85*44'45'W	122.22	L87	S14*38'16"W	213.24	L116	N70°21'44"W	23.91

C11	22"18"27"	20.00	7.79	N78°29'02°E	7.74
C12	134"36'54"	38.00	89.28*	N45°21'44"W	70.12
C13	22"18"27"	20.00	7.79'	S10*47'29"W	7.74
C14	8*37"29"	247.00	37.16	S04°10'30"E	37.15
C15	8*34'12"	252.60	37.78	N04"12'20"W	37.75
C16	45*00'00*	215.00	168.86	N22"08'16"E	164.55
C17	30,00,00.	235.00	123.05	N29*38'16'E	121.64
C18	66"25'19"	17.00	19.71'	N18"34'24"W	18.62
C19	312"50'37"	63.00*	343.99"	\$75*21'44*E	50.40
C20	66*25'19*	17.00	19.71	547*50'55*W	18.62
C21	30*00'00"	265.00	138.75	\$29°38'16"W	137.17
C22	45°00'00°	185.00	145.30	522*08*16*W	141.59
C23	75*00'00"	195.00°	255.25'	N52°08'16"E	237.42
C24	46°48'13"	225.00°	183.80'	N38*02'22'E	178.73
C25	46"48'13"	165.00"	134.78'	N38"02'22"E	131.07
C26	75"00'00"	255,00"	333,79'	N52°08'16"E	310.47
C27	70°00'00"	155 00'	189.37	S54*38:16°W	177.81
C28	302°07°23°	93.00'	490.39'	N70*22'04"W	90.00
C29	70°00'00°	245.00	299.32	N54°38'16"E	281.05
C30	131°09'55"	68.00'	155.67	S45°21'44"E	123.84
C31	45*00'00"	245.00"	192.42"	S22*08'16*W	187.51
C32	30,00.00.	205.00	107.34*	S29*38'16*W	108.12
C33	302°07'23"	93.00"	490.39"	N75°21'44"W	90.00
C34	30"00'00"	295.00	154.46"	N29°38'16"E	152.70
C35	45*00*00*	155,00	121,74"	N22*08*16*E	118.63
C36	75*00'00*	165.00"	215.98	552°08'16"W	200,69
C37	46*48*13*	255.00	208.30"	S38*02*22*W	202.56
C38	10*35'59"	240.00'	44.40'	N25*29'14"E	44.34"
C39	9"04'46"	260.00	41.20	S26°14'50"W	41,16
C40	15"25'12"	145.00	39,02	N22"20'52"E	38.91
C41	29"49'42"	275,00*	143.17'	N29°33'07°E	141.55

NE	TABLE		LINE	TABLE	
ο,	BEARING	LENGTH	L126	N45°38'30*E	10.0
17	N19°38'16"E	10.00	L127	S44°21'30"E	9.2
18	S70°21'44"E	25.57'	L128	N45°38'43"E	6,9
19	N14"36"16"E	108.41			
20	N44°27'58"E	114.39			
21	N89°38'16'E	271.95'			
22	S45°38'43"W	320.01			
22	NICOPROPIE	27.701			

LI

L124 N45\*38'43"E 281.60"

L125 N44\*21'30'W 9.24'

STATE OF TEXAS COUNTY OF COLLIN

NOW THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That WE, HENDRICK FARM, LLC, the Owner, do hereby bind themselves and their heirs, assignees and successors of title this plat designating the hereinabove described properly as Preliminary Pilat of HENDRICK FARMS ADDITION, an addition to the City of Lucas, and do hereby dedicate to the public use forever the streets, alleys, and right-of-way easements shown thereon, and do hereby reserve the easement strips shown on this plat for the mutual use and accommodation of garbage collection agencies and all public utilities destring to use or using same. Any public utility shall have the right to remove and keep removed all or part of any buildings, fences, trees, shrubs, or other improvements or growths that in any way endanger or interfere with the construction, maintenance or efficiency of its respective systems on any of these easements strips, and any public utility shall at all times have the right of ingress and agrees to and from and upon the said easement strips for the purpose of constructing, reconstructing, inspecting, patrolling, without the necessity at any time of procuring the permission of anyone. Additionally, we certify that we are the sole owners of the dedicated property and that no other's interest are attached to this property unless otherwise indicated on the required Mortgage Holder

Furthermore, as the owner of the properly described herein, and in consideration of establishing the subdivision described herein, we agree to the following

- Every owner of fee simple title to every individual lot within the subdivision shall be a member of the homeowners' association
- The homeowners' association shall have the authority to collect membership fees.

  As applicable as it pertains to condition shown herein, the homeowners' association shall be responsible for the maintenance of all common areas, screening walls,
- landscaped areas, private streets and allevs
- whers' association shall grant the City the right of access to any areas to abate any nuisances on such areas, and attach a lien upon each individual lot or the prorated costs of abate
- for the protected costs of abatement.

  The homeowners' association shall indemnify and hold the City harmless from any and all costs, expenses, suits, demands, liabilities, damages, or otherwise, including attorney fees and costs of suit, in connection with the City's maintenance of common areas.

  The homeowners' association shall, where additional right-of-way has been dedicated for the purpose of providing landscaping, additional areas for sidewalks, walls or other amenities, enter into a license agreement with the City and shall be responsible for the installation and maintenance of all landscape areas in the public rights-of-way.

This plat approved subject to all platting ordinances, rules, regulations and resolutions of the City of Lucas, Texas

Ву		
	Name: Sean McAdam	

### STATE OF TEXAS

HENDRICK FARM LLC

BEFORE ME, the undersigned, a Notary Public in and for the said County and State, on this day personally appeared Sean McAdam, 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 purpose therein expressed and under oath stated that the statements in the foregoing certificate are true.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this

Notary Public in and for the State of Texas

### SURVEYORS CERTIFICATE

THAT I, J. Andy Dobbs, do hereby certify, that I prepared this plat from an actual on the ground survey of the land as described and that the corner monuments shown thereon were properly placed under my personal supervision in accordance with the Platting Rules and Regulations of the City of Lucas Planning and Zoning

Dated the

J. Andy Dobbs ssional Land Surveyor No. 6196 Registered Professional Land St Kimley-Hom and Associates, Inc 13455 Noel Road, Two Galleria Office Tower, Suite 700 Dallas, Texas 75240 Ph. 972-770-1300

**PRELIMINARY** THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OF VIEWED OR RELIED UPON AS A FINAL

andy.dobbs@kimley-horn.com

BEFORE ME, the undersigned, a Notary Public in and for the said County and State, on this day personally appeared Andy Dobbs 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 purpose therein expressed and under oath stated that the statements in the foregoing certificate are true.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this _	day of	_, 2018.

Notary Public in and for the State of Texas

### CERTIFICATE OF APPROVAL

This plat is hereby approved by the Planning and Zoning Commission of the City of

Chairman, Planning and Zoning Commission ATTEST:

Print Name & Title

The Director of Public Works of the City of Lucas. Texas hereby certifies that to the Lucas Development Code and with engineering construction standards an ses adopted by the City of Lucas, Texas as to which his approval is required.

Director of Public Works

The Director of Planning and Community Development hereby certifies that to the pest of his/her knowledge or belief, this subdivision plat conforms to all requi of the Code of Ordinances, or as may have been amended or modified, as allowed, by the Planning and Zoning Commission as to which his/her approval is required.

Director of Planning and Community Development Date

OWNER/APPLICANT: HENDRICK FARM, LLC 800 EAST CENTRAL PARKWAY, SUITE 100 PLANO, TEXAS 75074 CONTACT: SEAN MCADAM PHONE: 613-907-0130

ENGINEER: KIMLEY-HORN AND ASSOC., INC. KIMLEY-HORN AND ASSOC., INC 13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS, TEXAS 75240 CONTACT: SARAH SCOTT, P.E. PHONE: 972-770-1300

PRELIMINARY PLAT HENDRICK FARMS ADDITION LOTS 1-19, BLOCK A, AND LOTS 1-15, BLOCK B

PETER F LUCAS SURVEY, ABSTRACT NO. 537 JOHN W KIRBY SURVEY, ABSTRACT NO. 506 JAMES GRAYUM SURVEY, ABSTRACT NO. 354 CITY OF LUCAS, COLLIN COUNTY, TEXAS

BEING 73.4268 ACRES OUT OF



- ERALL;
  ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY (OR TOWN).
  STANDARD DETAILS AND SPECIFICATIONS. THE FINAL CEDIFICHNICAL REPORT AND ALL ISSUED ADDEDLY
  AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY SPECIFICATIONS SHALL COVERN
  WHERE OTHER SPECIFICATIONS ON OF DUST, IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS,
  THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE TOLLOWED.
- THE CONTRACTOR SHALL COMPLY WITH CITY (OR TOWN) "GENERAL NOTES" FOR CONSTRUCTION, IF EXISTING AND REQUIRED BY THE CITY. FOR INSTANCES WHERE THEY CONFLICT WITH THESE KH GENERAL NOTES, THEN THE MORE RESTRICTIVE SHALL APPLY
- 3. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES SPECIFICATIONS AND REQUIREMENTS.
- 4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS
- 5. THE EXISTING CONDITIONS SHOWN ON THESE PLANS WERE PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY THE PROJECT SURVEYOR, AND ARE BASED ON THE BENCHMARKS SHOWN. THE CONTRACTOR SHALL REFERENCE THE SAME BENCHMARKS.
- THE CONTRACTOR SHALL REVIEW AND VERIFY THE EXISTING TOPOGRAPHIC SURVEY SHOWN ON THE PLANS REPRESENTS EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION, AND SHALL REPORT ANY DISCREPANCIES FOUND TO THE OWNER AND ENGINEER IMMEDIATELY.
- 7. IF THE CONTRACTOR DOES NOT ACCEPT THE EXISTING TOPOGRAPHIC SURVEY AS SHOWN ON THE PLANS WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY AT THEIR OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO THE OWNER AND ENGINEER FOR REVIEW.
- 8. CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING AND STAKING.
- . CONTRACTOR SHALL VERIEY HORIZONTAL AND VERTICAL CONTROL, INCLUDING BENCHMARKS PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS. PROPERTY LINES AND CORNERS SHALL BE HELD AS THE HORIZONTAL CONTROL.
- 10 THE CONTRACTOR SHALL REVIEW AND VERIEVALL DIMENSIONS. ELEVATIONS, AND FIELD COND THAT MAY AFFECT CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MAD WITHOUT PRIOR APPROVAL OF THE ARCHITECT. ENGINEES VIT. LEEVEL LIUMS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER, AND IF APPLICABLE THE CITY AND OWNER. NO CONSIDERATION MULL BE GIVEN TO CHORDERS FOR WHICH THE CITY, ENGINEER AND OWNER WERE NOT CONTACTED PRIOR TO CONSIDER TO THE APPLICATION OF THE AFFECTED ITEM.
- CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEI AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION, OWNER/ENGINEER SHAL ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
- 12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM MOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING
- 13. CONTRACTOR SHALL CALL TEXAS 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION.
- 14. CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNK PUBLIC AND PRIVATE UTILITIES.
- 5 THE LOCATIONS ELEVATIONS DEPTH AND DIMENSIONS OF EXISTING LITH ITIES SHOWN ON THE PLANS . THE LOCATIONS, LEEVALIONS, DEPTH, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE UTILITY COMPANY MAPS AND FLANS, AND ARE CONSIDERED APPROXIMATE AND INCOMPLETE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE PRESENCE, LOCATION, ELEVATION, DEPTH, AND DIMENSION OF USUSTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTITUCTION SO THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE. CLEARANCES. THE ENGINEER SHALL BE ROTHED WHEN A PROPOSED IMPROVEMENT CONFLICTS WITH
- 16 THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT CONFLICT MITH THE PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANICLES TO MATCH PROPOSED FALE, RELOCATING EXISTING POLES AND GUY WIRES THAT ARE LOCATED IN PROPOSED DRIVEWAYS, ADJUSTING THE HORIZONTAL OR VERTICAL ALIGIMENT OF EXISTING UNDERGROUND UTILITIES TO ACCOMMODATE PROPOSED GRADE OR GROSSIN WITH A PROPOSED UTILITY, AND ANY OTHERS THAT MAY BE ENCOUNTERED THAT ARE UNKNOWN AT THI-TIME AND NOT SHOWN ON THESE PLAINS.
- CONTRACTOR SHALL ARRANGE FOR OR PROVIDE, AT ITS EXPENSE, ALL GAS, TELECOMMUNICATIONS
  CABLE, OVERHEAD AND UNDERGROUND POWER LINE, AND UTILITY POLE ADJUSTMENTS NEEDED.
- 18. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF FRANCHISE UTILITIES THAT ARE NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION, AND SERVICE TO THE PROPOSED DEVELOPMENT.
- 19. THE CONTRACTOR SHALL BE FILLY RESPONSIBLE FOR ALL DAMACES DUE TO THE CONTRACTORS FALURE TO EACH Y LOCAL THE ADD PRESENTED ALL UTILITIES. THE OWNER OF BE FOWNER FINAL LASIMEN IN LABILITY FOR ANY DAMACES SUSTAINED OR COST INCURRED BECAUSE OF THE OFFENTIONS IN THE VICINITY OF EXISTING UTILITIES OR STATUCTURES. If IT IS NECESSARY TO SHORE, ERACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OF STATUS DE REACHING THE METHOD TO USE FOR SUCH WORK
- BRACING OF UTILITY POLES MAY BE REQUIRED BY THE UTILITY COMPANIES WHEN TRENCHING OR EXCAVATING IN CLOSE PROXIMITY TO THE POLES. THE COOST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR, WITH HO SEPARATE PAY TEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE PAY ITEM
- 21.CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL. STATE. FEDERAL AND UTILITY OWNER REGULATIONS PERTAINING TO WORK SETBACKS FROM POWER LINES.
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION.
- I.THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, GEOTECHNICAL REPORT AND ADDENDA, PROJECT AND CITY SPECIFICATIONS, AND SPECIAL CONDITIONS COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, ENOSION CONTROL PLANS, SWEPP AND INSPECTION REPORTS.
- 24 ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED
- 25. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.
- 26.CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS 27.CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
- 28.ALL SYMBOLS SHOWN ON THESE PLANS (E.G. FIRE HYDRANT, METERS, VALVES, INLETS, ETC.......) ARE FOR PRESENTATION PURPOSES ONLY AND ARE NOT TO SCALE. CONTRACTOR SHALL COORDINATE FINAL SIZE AND LOCATIONS WITH APPROPRIATE CITY INSPECTOR.
- 29. THE SCOPE OF WORK FOR THE CIVIL IMPROVEMENTS SHOWN ON THESE PLANS TERMINATES 5-FEET FROM THE BUILDING. REFERENCE THE BUILDING PLANS (E.G. ARCHITECTURAL, STRUCTURAL, MEP) FOR AREAS WITHIN 5-FEET OF THE BUILDING AND WITHIN THE BUILDING FOOTPRINT.
- 30. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL FINAL BUILDING DIMI
- 31. THE PROPOSED BUILDING FOOTPRINT(S) SHOWN IN THESE PLANS WAS PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC, (K4) BY THE PROJECT ARCHITECT AT THE TIME THESE PLANS WERE PREPARED. IT MAY IS SOLELY RESPONSIBLE FOR CONFIRMING THE FINAL CORRECT VERSION OF THE BUILDING FOOTPRINT WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO LAYOUT. DIMENSIONS ANDOR COORDINATES SHOWN ON THESE PLANS WERE REASED ON THE AROUS EXTER OR ARCHITECTURAL. COURTMENT AS AND ARE THEREFORE A PRELIMINARY LOCATION OF THE BUILDING. THE CONTRACTOR IS SOLELY RESPONSIBLE TO VERPTY WHAT PART OF THE BUILDING. THE BUILDING. THE CONTRACTOR IS SOLELY RESPONSIBLE TO VERPTY WHAT PART OF THE BUILDING THE ARCHITECTS FOOTPRICT REPRESENTS (E.G. SURB, OUTSIBLE WHALL, MASONY LEDGE, ETC...), AND TO CONFIRM TIS FINAL POSITION ON THE SITE BASED ON THE FINAL ARCHITECTURAL FOOTPRINT, CIVIL DIMENSION CONTROL PLAN, SURVE BOUNDARY ANDOR PLAT. ANY DIFFERENCES FOOTON SHALL BE REPORTED TO KN HAMEDIATELY.
- 32.ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATES' EDITION). INCLUDING SUBSEQUENT ADDENDA ONLY IF GEOTECH REPORT EXCEEDS CITY STANDARDS
- 33. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE (
  INSPECTOR AND COMPLY WITH CITY STANDARD SPECIFICATIONS AND GEOTECHICAL REPORT TO INSPECTOR ARGUMENT WITH STANDARD SPECIFICATIONS AND GEOTECHNICAL REPORT. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR MATERIALS TESTING.
- 34. ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER AND ARCHITECT DIRECTLY FROM THE TESTING AGENCY.
- 26 DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORTS RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO TATMORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK AUDICENT TO THE BUILDING, IF NOWLE IS CURRENTLY EXISTING.
- 38 THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY

- WIRES, VALVÉ COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.
- CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATI PERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC.... TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.
- 41.THE CONTRACTOR SHALL SALVAGE ALL EXISTING POWER POLES, SIGNS, WATER VALVES, FIRE HYDRANTS, METERS, ETC... THAT ARE TO BE RELOCATED DURING CONSTRUCTION.
- 42. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVER'S FREE OF OBSTRUCTIONS AT ALL TIMES.
- IS THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
- 44 THE CONTRACTOR SHALL KEEP TRENCHES ERFE FROM WATER
- 45 SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 46 THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
- 47.SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS
- RACTOR OFFICE AND STAGING AREA SHALL BE AGREED ON BY THE OWNER AND CONTRACTOR PRIOF GINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS THE CONSTRUCTION OFFICE, TRAILER, STORAGE, AND STAGING OPERATIONS AND LOCATIONS.
- POLES, SIGNS, AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN ACCESSIBLE ROUTES.
- 50 ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 51 TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING.
- 52.CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING.
- 53. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE CITY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPI AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS.
- 54.CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE CITY OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION, AND THEN THE IMPLEMENTATION OF THE PLAN.
- 55.CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, INCLUDING ANY DEVIATIONS OR VARIANCES FROM THE PLANS.
- 56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND CITY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION.
- EROSION CONTROL:

  1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDIMANCES THAT APPLY TO THE CONSTRUCTION SITE LAND DISTURBANCE.
- . CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE "TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000". 3. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE
- ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES, BEST MANAGEMENT PRACTICES (BMPS), AND FOR UPDATING THE EROSION CONTROL PLAN DURING CONSTRUCTION AS FIELD CONDITIONS CHARGE.
- CONTRACTOR SHALL DOCUMENT THE DATES OF INSTALLATION, MAINTENANCE OR MODIFICATIO REMOVAL FOR EACH BMP EMPLOYED IN THE STORM WATER POLLUTION PREVENTION PLAN (SW)
- . AS STORM SEWER INLETS ARE INSTALLED ON-SITE, TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED AT EACH INLET PER APPROVED DETAILS.
- 8. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN
- ). CONTRACTOR SHALL PROVIDE ADEQUATE EROSION CONTROL DEVICES NEEDED DUE TO PROJECT PHASING
- USTMENTS AND MODIFICATIONS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE. IF THE SIGN CONTROL DEVICES DO NOT EFFECTIVELY CONTROL EROSION AND PREVENT SEDIMENTATION MY WASHING OFF THE SITE. THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER. OFF-SITE SOIL BORROW, SPOIL, AND STORAGE AREAS (IF APPLICABLE) ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMPS TO CONTROL EROSION AND SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWIPP AND EROSION CONTROL PLANT OF INCLUDE BMPS FOR ANY OFF-SITE THAT ARE NOT ANTICIPATED OR SHOWN ON THE EROSION
- 12. ALL STAGING, STOCKPILES, SPOIL, AND STORAGE SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. PROTECTIVE MEASURES SHALL BE PROVIDED IF NEEDED TO ACCOMPLISH THIS REQUIREMENT, SUCH AS COVERING OF RENCRUING THE AREA WITH AN APPROPRIATE
- 13. CONTRACTORS SHALL INSPECT ALL EROSION CONTROL DEVICES, BMPS, DISTURBED AREAS, AND VEHICLE ENTRY AND EXIT AREAS WEEK! Y AND WITHIN 24 HOURS OF ALL RAMPALL EVENTS OF 0.5 INCHES OR GREATER, AND KEEP A RECORD OF THIS INSPECTION IN THE SWPPP BOOKLET IF APPLICABLE, TO VERIFY THAT THE DEVICES AND EROSION CONTROL PLAN ARE FUNCTIONING PROPERLY.
- TRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AT ALL TIMES FOR ALL INGRESS/EGRESS.
- 15. SITE ENTRY AND EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING AND FLOWING OF SEDIMENT AND DIRT ONTO OFF-SITE ROADWAYS. ALL SEDIMENT AND DIRT FROM THE SITE THAT IS DEPOSITED ONTO AN OFF-SITE ROADWAY SHALL BE REMOVED IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF-S ROADWAYS THAT ARE A RESULT OF THE CONSTRUCTION, AS REQUESTED BY OWNER AND CITY. AT A MINIMUM, THIS SHOULD OCCUR ONCE PER DAY FOR THE OFF-SITE ROADWAYS.
- ARE GREATER THAN 10 ACRES, PER TOED AND CITY STANDARDS. IF NO ENGINEERING DESIGN HAS BEEN PROVIDED FOR A SEDIMENTATION BASIN ON THESE PLANS. THEN THE CONTRACTOR SHALL ARRANGE FOR AN APPROPRIATE DESIGN TO BE PROVIDED. 19. ALL FINES IMPOSED FOR SEDIMENT OR DIRT DISCHARGED FROM THE SITE SHALL BE PAID BY THE
- AN JUNE 15 BERMIN I HAUAGED ON 10 A HOADWAY, THE AGGREGATE PAD MIST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH-DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL SEDMENTATION, PERIODIC RE-GRADING OR NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFECTIVENESS OF THE CONSTRUCTION ENTRANCE 21. TEMPORARY SEEDING OR OTHER A
- II. TEMPORARY SEEDING OR OTHER APPROVED STABILIZATION SHALL BE INTIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE OF ANY AREA. UNLESS ADDITIONAL CONSTRUCTION IN THE AREA IS EXPECTED WITHII 21 DAYS OF THE LAST DISTURBANCE 22 CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING CONSTRUCTION, ALWAYS CLEANING UP DIRT, LOOSE MATERIAL, AND TRASH AS CONSTRUCTION PROGRESSES.
- SUPON COMPLETION OF FINE GRADING, ALL SURFACES OF DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED. STABILIZATION IS ACHIEVED WHEN THE AREA IS EITHER COVERED BY PERMANENT IMPERVIOUS STRUCTURES, SUCH AS BUILDINGS, SIDEWALK, PAVEMENT, OR A UNIFORM PERENNIAL
- 24 AT THE CONCLUSION OF THE PROJECT, ALL INLETS, DRAIN PIPE, CHANNELS, DRAINAGEWAY'S A BORROW DITCHES AFFECTED BY THE CONSTRUCTION SHALL BE OREOGED, AND THE SEDIMENT GENERALED BY THE PROJECT SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH APPL
- STORM WATER DISCHARGE AUTHORIZATION:

  1. CONTRACTOR SHALL COMPLY WITH ALL TOEQ AND EPA STORM WATER POLLUTION PREVENTION.

- CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000.
- THE CONTRACTOR SHALL ENSURE THAT ALL PRIMARY OPERATORS SUBMIT A NOI TO TOEO AT LEAST SEVEN DAYS PRICK TO COMMENCIAS CONSTRUCTION (IF APPLICABLE) OF IF UTILIZING ELECTRONIC SUBMITTAL, PRICK TO COMMENCING CONSTRUCTION, ALL PRIMARY OPERATORS SHALL PROVIDE A COPORT HE SIGNED NOI TO THE OPERATOR OF ANY MS4 (TYPICALLY THE CITY) RECEIVING DISCHARGE FROM THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWIPPP) IF APPLICABLE, INCLUDING POSTING SITE MOTICE, INSPECTIONS, DOCUMENTATION, AND SURMISSION OF ANY INFORMATION REQUIRED BY THE TICE OAND EPA (E.G. NOI).
- ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL, SIGN THE RECURED CONTRACTOR CERTIFICATION STATEMENT ACKNOWLEDGING THEIR RESPONSIBILITIES AS SPECIFIED IN THE SWPPP.
- A COPY OF THE SWPPP, INCLUDING NOI, SITE NOTICE, CONTRACTOR CERTIFICATIONS, AND ANY RÉVISIONS, SHALL BE SUBMITTED TO THE CITY BY THE CONTRACTOR AND SHALL BE RETAINED ON-SITE
- A NOTICE OF TERMINATION INCID. SHALL BE SUBMITTED TO TOCO OF ANY PRIMARY OFERATOR WITHIN 30 DAYS AFTER ALL SOLD DISTURBING ACTIVATIES AT THE SITE LAVES ESENT COMPLETE AND A UNFORM VEGETATIVE COVER HAS SEEN ESTABLISHED ON ALL LINPAVED, AREAS AND AREAS NOT COVERED BY STRUCTURES, A TRANSFER OF OPPRATIONAL CONTROL HAS OBTAINED ALTERNATIVE AUTHORIZATION UNDER A DIFFERENT PERMIT. A COPY OF THE NOT SHALL BE PROVIDED TO THE OPERATION FOR ANY MSM RECEIVING DISCHARGE FROM THE SITE.
- DEMOLITION:

  1. KH IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN. THIS PRELIMINARY DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACT THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE.
- IN DOES NOT MARRANT OR REPRESENT THAT THE PLAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITY INFORMATION PROVIDED BY O'THERS, SHOWN ALL MERGY VEMENTS AND UTILITIES THAT THE UTILITIES THAT THE WIRROWSENENTS AND UTILITIES AND THE MIRROWSENENT AND UTILITIES AND THE REPORT OF THE PROVIDED THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING TO SOWN SITE RECONNAISSANCE TO SCOPE ITS WORK AND TO CONFIRM WITH THE CWAMERS OF MIRROWSENTS AND UTILITIES THE ABILITY AND PROCESS FOR THE REMOVAL OF THEIR FACILITIES
- THIS PLAN IS INTENDED TO GIVE A GENERAL GUIDE TO THE CONTRACTOR, NOTHING MORE THE GOAL OF THE DEMOLITION IS TO LEAVE THE SITE IN A STATE SUITABLE FOR THE CONSTRUCTION OF THE PROPOSE DEVELOPMENT, REMOVAL OR PRESERVATION OF MISPROVEMENTS, UTILITIES, ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS STRONGLY CAUTIONED TO REVIEW THE FOLLOWING REPORTS DESCRIBING SITE CONDITIONS PRIOR TO BIDDING AND IMPLEMENTING THE DEMOLITION PLAN:
- ENVIRONMENTAL SITE ASSESSMENT PROVIDED BY THE OWNER,
   ASSESTOS BUILDING INSPECTION REPORTIS) PROVIDED BY THE OWNER,
   GEOTECHNICAL REPORT PROVIDED BY THE OWNER.
   OFFICE REPORTS THAT ARE APPLICABLE AND AVAILABLE.
- INTRACTOR SHALL CONTACT THE OWNER TO VERIFY WHETHER ADDITIONAL REPORTS OR AMENDMENTHE ABOVE CITED REPORTS HAVE SEEN PREPARED AND TO OBTAINING VIEWAND COMPLY WITH THE COMMENDATION OF SUCH STUDIES PRIOR TO STARTING ANY WORK ON THE SITS.
- CONTRACTOR SMALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQULATIONS REGARDING THE DEMOLITION OF ONECTS ON THE SITE AND THE ISPOSAL OF THE DEMOLISHED WATERIALS OF F-SITE. I THE CONTRACTOR'S SOLE RESPONSIBILITY TO REVIEW THE SITE, DETERMINE THE APPLICATION FOR SOLE OF THE APPLICATION OF THE APP
- SURFACE PAVEMENT INDICATED MAY OVERLAY OTHER HIDDEN STRUCTURES, SUCH AS ADDITIONAL LAYERS OF PAVEMENT, FOUNDATIONS OR WALLS, THAT ARE ALSO TO BE REMOVED.
- INCINES.

  THE CONTRACTOR AND GRADING SUBCONTRACTOR SHALL VERIFY THE SUITABILITY OF EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION THE CIVIL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- 2. CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY
- UNLESS OTHERWISE NOTED, PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREA REFLECT TOP OF PAVEMENT SURFACE. IN LOCATIONS ALONG A CURE LINE, ADD 6-INCHES (OR THE HEIGHT OF THE CURB TO THE PAVING GRADE FOR TOP OF CURB ELEVATION.
- PROPOSED SPOT ELEVATIONS AND CONTOURS OUTSIDE THE PAVEMENT ARE TO TOP OF FINISHED GRADE PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF DISCREPANCY.
- 6. ALL FINISHED GRADES SHALL TRANSITION UNIFORMLY BETWEEN THE FINISHED ELEVATIONS SHOWN
- CONTOURS AND SPOT GRADES SHOWN ARE ELEVATIONS OF TOP OF THE FINISHED SURFACE. WHEN PERFORMING THE GRADING OPERATIONS, THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE ELEVATION HOLD DOWN ALLOWANGE FOR THE THICKNESS OF PACKEMENT, SIDEWALK, TOPSOIL, MULCH, STONE, LAMDSCAPING, BIPRARP AND ALL OTHER SURFACE MATERIALS THAT WILL CONTRIBUTE TO THE TOP FINISHED GRADE. FOR EXAMPLE, THE LIMIT SOF EARTHWORK IN PAYED AREAS IS THE BOTTOM OF THE
- NO REPRESENTATIONS OF EARTHWORK QUANTITIES OR SITE BALANCE ARE MADE BY THESE PLANS, THE CONTRACTOR SHALL PROVIDE THEIR CWN EARTHWORK CALCULATION TO DETERMINE THEIR CONTRACT QUANTITIES AND COST. ANY SIGNIFICANT VARIANCE FORM A BALANCED SITE SHALL BE IMMEDIATELY ROUGHT TO THE ATTENTION OF THE CIVIL ENGINEER.
- ALL GRADING AND EARTHWORK SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING SUBSEQUENT ADDENDA
- O. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. LINUS EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHAJ REMOVED FROM THE SITE AND APPROPRIATELY DISPOSED BY THE CONTRACTOR AT NO ADDIT EXPENSE.
- .EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF GRADING. REFERENCE EROSION CONTROL PLAN, DETAILS, GEN NOTES, AND SWPPP FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 2. BEFORE ANY EARTHWORK IS PERFORMED, THE CONTRACTOR SHALL STAKE OUT AND MARK THE IT THE PROJECT'S PROPERTY LINE AND SITE IMPROVEMENTS. THE CONTRACTOR SHALL PROVIDE AL NECESSARY ENCINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO
- VITACTOR TO DISPOSE OF ALL EXCESS EXCAVATION MATERIALS IN A MANNER THAT ADHERES TO FAL. STATE AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL KEEP A RECORD OF FORE EXCESS EXCAVATION WAS DISPOSED, ALONG WITH THE RECEIVING LANDOWMERS APPROVAL 14. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF TOPSOIL AT THE COMPLETION OF FINE GRADING. CONTRACTOR SHALL REFER TO LANDSCAPE ARCHITECTURE PLANS FOR SPECIFICATIONS AND REQUIREMENTS FOR FORSOIL.
- 15. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES.
- INDICATE THIS IS REQUIRED.
- 17. TEMPORARY CULVERTS MAY BE REQUIRED IN SOME LOCATIONS TO CONVEY RUN-OFF
- 18. REFER TO DIMENSION CONTROL PLAN, AND PLAT FOR HORIZONTAL DIMENSIONS.
- 19. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND CONDITION FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
- CONTRACTOR IS RESPONSIBLE FOR ALL SOLS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL SOLIS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND SHALL COMPLY WITH CITY STANDARD SPECIFICATIONS AND THE GEOTECHNICAL REPORT. SOLIS TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING SOLIS. THE OWNER SHALL APPROVE THE AGENCY FORMED THE SOLIS TESTING.
- 21.ALL COPIES OF SOILS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER AND ARCHITECT DIRECTLY FROM THE TESTING AGENCY
- BUILDING. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT AND STRUCTURAL PLANS AND SPECIFICATIONS FILL, CONDITIONING, AND PREPARATION IN THE BUILDING PAD. 24 DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING. THE DUE TO THE PUTERING POWER TO GETECHNICAL SUR INVESTMENT MATAWAIT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING, THE OWNER AND CONTRACTOR ARE ADVISED TO GOTATIA OF SOFTCHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING, IF NONE IS CURRENTLY EXISTING.
- 25 CONTRACTOR SHALL ENSURE THAT SUFFICIENT POSITIVE SLOPE AWAY FROM THE BUILDING PAD IS ACHIEVED FOR ENTIRE PERIMETER OF THE PROPOSED BUILDING(S) DURING GRADING OPERATIONS THE FINAL CONDITION IF THE CONTRACTOR OBSERVES THAT THIS WILL NOT BE ACHIEVED. TH

- CONTRACTOR SHALL CONTACT THE ENGINEER TO REVIEW THE LOCATION
- CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS ANDIOR RELOCATIONS NEEDED FOR GRADING OPERATIONS AND TO ACCOMMODATE PROPOSED GRADE, INCLUDING THE UNKNOWN UTILITIES NOT SHOWN ON THESE PLANS. CONTRACTOR SHALL REFER TO THE GENERAL NOTES 'OVERALL' SECTION THESE PLANS FOR ADDITIONAL INFORMATI
- 28.EXISTING TREE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES FOUND IN THE FIELD THAT AFFECT THE GRADING PLAN TO THE CIVIL ENGINEER.
- 29 CONTRACTOR SHALL FIELD VERIFY ALL PROTECTED TREE LOCATIONS, INDIVIDUAL PROTECTED TREE CRITICAL ROOT ZONES, AND PROPOSED SITE GRADING, AND NOTIFY THE CIVIL ENGINEER AND LANDSO ARCHITECT OF ANY CONFLICTS WITH THE TREE PRESERVATION PLAN BY THE LANDSCAPE ARCHITECT PRIOR TO COMMERCING THE WORK.
- 30.TREE PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY STANDARD TREE PROTECTION DETAILS AND THE APPROVED TREE PRESERVATION PLANS BY THE LANDSCAPE ARCHITECT.
- 31. CONTRACTOR SHALL REFER TO THE LANDSCAPING AND TREE PRESERVATIONS PLANS FOR ALL INFORMATION AND DETAILS REGARDING EXISTING TREES TO BE REMOVED AND PRESERVED.
- 32.NO TREE SHALL BE REMOVED UNLESS A TREE REMOVAL PERMIT HAS BEEN ISSUED BY THE CITY, OR CITY HAS OTHERWISE CONFIRMED IN WRITING THAT ONE IS NOT NEEDED FOR THE TREE(S). 33.NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER OR
- REPRESENTATIVE. EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE AND GRADING IMPACT TO THEM HELD TO A MINIMUM. 4 AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING AND INDACQUETE SLOPE FOR DRIVEN ALL THE INTERPRETATION OF A CHARLES SHALL ADEQUATELY DRAIN TOWARDS THE INTERDED STRUCTURE TO CONVEY STORMWAY RUNGEF, CONTRACTOR SHALL MMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY AREAS OF POOR DRAINAGE ARE DISCOVERED.
- 35 CONTRACTOR FIELD ADJUSTMENT OF PROPOSED SPOT GRADES IS ALLOWED. IF THE APPROVAL OF THE
- VING: ALL PAVING MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, THE CITY STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDEN AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY SPECIFICATIONS SHALL GOVERN EXCEPT WHERE MORE RESTRICTIVE MEASURES ARE OUTLINED.
- ALL PAVING AND PAVING SUBGRADE SHALL COMPLY WITH CITY STANDARDS AND DETAILS. IF THESE ARE DIFFERENT THAN THOSE IN THE GEOTECHNICAL REPORT, THEN THE MORE RESTRICTIVE SHALL BE
- 3. ALL PUBLIC PAYING AND PAYING SUBGRADE SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ALL PAVING AND PAVING SUBGRADE TESTING AND CERTIFICATION, JINLESS SPECIFIED OTHERWISE BY OWNER. ALL PAVING AND PAVING SUBGRADE TESTING SHALL SE COORDINATED WITH THE APPROPRIATE CITY INSPECTIOR. TESTING SHALL SE PERFORMED BY AN APPROVED INDEPENDENT ASSECT FOR ITSTING PAVING AND PAVING SUBGRADE TESTING. SECRY KOMINATED BY THE CONTRACTOR FOR PAVING AND PAVING SUBGRADE TESTING. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE PAVING AND PAVING SUBGRADE, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS.
- 6. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL AGHERE TO GEOTECHNICAL REPORTS RECOMMENDATION FOR SUBGRADI PREPARATION SPECIFIC TO TA-INVORK ADJACENT TO THE PROFOSED BUILDING. THE CONVERS CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIF ILATWORK AJACENT TO THE BUILDING, IF NONE IS CURRENTLY SYSTIMO.
- 7. ALL RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED ON THE CITY STANDARD CONSTRUCTION DETAIL AND SPECIFICATIONS.
- ALL ACCESSIBLE RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA
   AND TAS STANDARDS. LATEST EDITION.
- TRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A OTH, FLUSH, CONNECTION. 10, CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS. AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS HOWN ON THE PLANS. ALL PAINT AND PAVEMENT MARKINGS SHALL ADHERE TO CITY AND
- 11. ALL JOINTS SHALL EXTEND THROUGH THE CURB.
- 12. THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.
- 13. CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO THE ENGINEER AND OWNER PRIOR TO BEGINNING ANY OF THE PAYING WIRDS 14. ALL SAWCUTS SHALL BE FULL DEPTH FOR PAVEMENT REMOVAL AND CONNECTION TO EXISTING
- 15. FIRE LANES SHALL BE MARKED AND LABELED AS A FIRELANE PER CITY STANDARDS
- 18. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE ORIENTED SO THEY ARE READILLY VISIBLE TO THE ONCOMING TRAFFIC FOR WHICH THEY ARE INTENDED.
- TRACTOR IS RESPONSIBLE FOR INSTALLING NECESSARY CONDUIT FOR LIGHTIN R TO PLACEMENT OF PAVEMENT, ALL CONSTRUCTION DOCUMENTS (CIVIL, MEP, SATION, AND ARCHITECT) SHALL BE CONSULTED.
- AS BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUIT RALE ACCESSIBLE PIDESTRUCTURE. ROLES AND ROLES IN NO CASE SHALL AN ACCESSIBLE SOLE ROLES IN NO CASE SHALL AN ACCESSIBLE SOLE EXCEED 14 RETICAL TO 21 HORIZONTAL. IN NO CASE SHALL SIDEWALK GROSS SLOPE EXCEE PERCENT. IN NO CASE SHALL LONGTUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT ACCESSIBLE PARKING SPACES AND ACCESSIBLE SHALL NOT EXCEED 2.0 PERCENT SOLE AND ROLES AND ACCESSIBLE SHALL NOT EXCEED 2.0 PERCENT SOLE IN ANY DIRECTION. 19. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAYEMENT TO VERIFY THAT ADAITAS SLOPE REQUIREMENTS ARE PROVIDED. COMTRACTOR SHALL CONTRICT TEMPISEE PRIOR TO PAYING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA AND TAS SLOPE COMPLIANCE ISSUES.
- STORM DRAINAGE:

  1. ALL STORM SEWER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
- . THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCAT ALL EXISTING STORM SEWER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY STORM SEWER, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS
- RACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE ALL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING # SEWER.
- 5. FLOW LINE, TOP-OF-CURB, RIM, THROAT, AND GRATE ELEVATIONS OF PROPOSED INLETS SHALL BE VERIFIED WITH THE GRADING PLAN AND FIELD CONDITIONS PRIOR TO THEIR INSTALLATION.

- ALL PVC TO RCP CONNECTIONS AND ALL STORM PIPE CONNECTIONS ENTERING STRUCTURES OR CONTROL PROPERTY AND BE GROUTED TO ASSURE THE CONNECTION WATERTIGHT.
- ALL PUBLIC STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP, PRIVATE STORM SEWER LINES 18-INCHES AND GREATER SHALL BE CLASS III RCP OR OTHER APPROVED MATERIAL.
- 11 JF CONTRACTOR PROPOSES TO USE HDPE OR PVC IN LIEU OF RCP FOR PRIVATE STORM SEWER. CONTRACTOR SHALL SUBMIT TECHNICAL DATA TO THE OWNER, ENGINEER AND CITY ENGINEER/INSPECTOR FOR APPROVAL PRIOR TO ORDERING THE MATERIAL. ANY PROPOSED HDPE AND PVC SHALL BE WAITERTIGHT.
- 12. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL STORM SEWER LINES
- 13 EMBEDMENT FOR ALL STORM SEWER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS.
- 15 USE 4 FOOT JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100 FEET

CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITHEN APPROVAL OF THE CITY. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WAITER.

# WATER AND WASTEWATER: 1. ALL WATER AND WASTEWATER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.

- CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF A EXISTING WATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWATER CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.
- THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE WATER AND WASTEWATER IMPROVEMENTS.

- FIRE SPRINKLER LINES SHALL BE DESIGNED AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR, AND COMPLY TO THE APPLICABLE CODES AND INSPECTIONS REQUIRED. THESE PLANS WERE PREPARED WITHOUT THE BENEFIT OF THE FIRE SPRINKLER DESIGN. CONTRACTOR SHALL NOTIF THE ENGINEER IF ANY DISCREPANCIES.
- 10. CONTRACTOR SHALL TAKE REQUIRED SANITARY PRECAUTIONS, FOLLOWING ANY CITY, TOEO, AND AWAY, STANDARDS, TO KEEP WATER PIPE AND FITTINGS CLEAN AND CAPPED AT TIMES WHEN INSTALLATION IS NOT IN PROGRESS.
- 11, CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL WATER LINES. 12, ALL WATER SERVICES SHALL TERMINATE 5-FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE
- 16. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WATER LINES CROSSING THE PROJECT. THE
- 18. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE: THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 19. ALL FIRE HYDRANTS, VALVES, TEES, BENDS, WYES, REDUCERS, FITTINGS, AND ENDS SHALL BE MECHANICALLY RESTRAINED AND/OR THRUST BLOCKED TO CITY STANDARDS.
- 20.ALL WATER SHALL BE TESTED IN ACCORDANCE WITH THE CITY, AWWA, AND TCEQ STANDARDS AND SPECIFICATIONS. AT A MINIMUM, THIS SHALL CONSIST OF THE FOLLOWING:
- 25. DUCTILE IRON PIPE SHALL BE PROTECTED FROM CORROSION BY A LOW-DENSITY POLYETHYLE WRAP THAT IS AT LEAST A SINGLE LAYER OF 8-MIL. ALL DUCTILE IRON JOINTS SHALL BE BONDI
- 27. CONTRACTOR SHALL PROVIDE CLEAN-OUTS FOR PRIVATE SMITTARY SEWER LINES AT ALL CHANGES IN DIRECTION AND 100-FOOT INTERVALS, OR AS REQUIRED BY THE APPLICABLE PLUMBING CODE. CLEAN-OUTS REQUIRED IN PAVEMENT OR SIDEWALKS SHALL HAVE CAST IRON COVERS PLUSH WITH FINISHED GRADE.
- 28 CONTRACTOR SHALL PROVIDE BACKWATER VALVES FOR PLUMBING FIXTURES AS REQUIRED BY THI APPLICABLE PLUMBING CODE (E.G. FLOOR ELEVATION OF FIXTURE UNIT IS BELOW THE ELEVATION OF MANHOLE COVER OF THE REXT UPSTREAM MANHOLE IN THE PUBLIC SEMER). CONTRACTOR SHALL REVIEW BOTH MEP AND CIVIL PLANS TO CONFIRM WHERE THESE ARE REQUIRED.
- 29. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR BRESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNICHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
- 30. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.

- ALL PRIVATE STORM SEWER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
- 10. WHERE COVER EXCEEDS 20-FEET OR IS LESS THAN 2-FEET, CLASS IV RCP SHALL BE USED.
- 14. ALL WYE CONNECTIONS AND PIPE BENDS ARE TO BE PREFABRICATED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- 16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION.

- 4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE
- ALL PUBLIC WATER CONSTRUCTION, PIPE. STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.

- 9. EMBEDMENT FOR ALL WATER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS.

- 14. CONTRACTOR SHALL SEQUENCE WATER CONSTRUCTION TO AVOID INTERRUPTION OF SERVICE TO SURROUNDING PROPERTIES.
- 15 CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION (IF NECESSARY, BY USE OF TEMPORARY METHODS APPROVED BY THE CITY AND OWNER). THIS WORK SHALL BE CONSIDERED SUSSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPRISATION SHALL BE ALLOWED.
- ONTRACTOR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAIN ATER SERVICES, SEWER MAINS, AND SANITARY SEWER SERVICES ARE SUBSIDIARY TO THE WORK, AND O ADDITIONAL COMPENSATION SHALL BE ALLOWED.

- ALL WATERLINES SHALL BE HYDROSTATICALLY TESTED AND CHLORINATED BEFORE BEING PLACED INTO SERVICE. CONTRACTOR SHALL CODDINATE WITH THE CITY FOR THEIR REQUIRED PROCEDURES AND SHALL ALSO COMPLY WITH TEQU REGULATIONS.
- I. CONTRACTOR SHALL INSTALL DETECTABLE WIRING OR MARKING TAPE A MINIMUM OF 12" ABOVE WATER LINES, MARKER DECALS SHALL BE LABELED "CAUTION WATER LINE". DETECTABLE WIRING AND MARKIN TAPE SHALL COMPLY WITH CITY STANDARDS, AND SHALL BE INCLUDED IN THE COST OF THE WATER PIPE
- 26. WATERLINES SHALL BE INSTALLED AT NO LESS THAN THE MINIMUM COVER REQUIRED BY THE CITY.

UTILITY CONTACTS

PUBLIC IMPROVEMENTS WITHIN THE R.O.W. SHALL ADHERE TO THE CITY GENERAL NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGHOUT THE PLAN SET.

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER, CITY OF LUCAS, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN



Know what's below. Call before you dig. a \*

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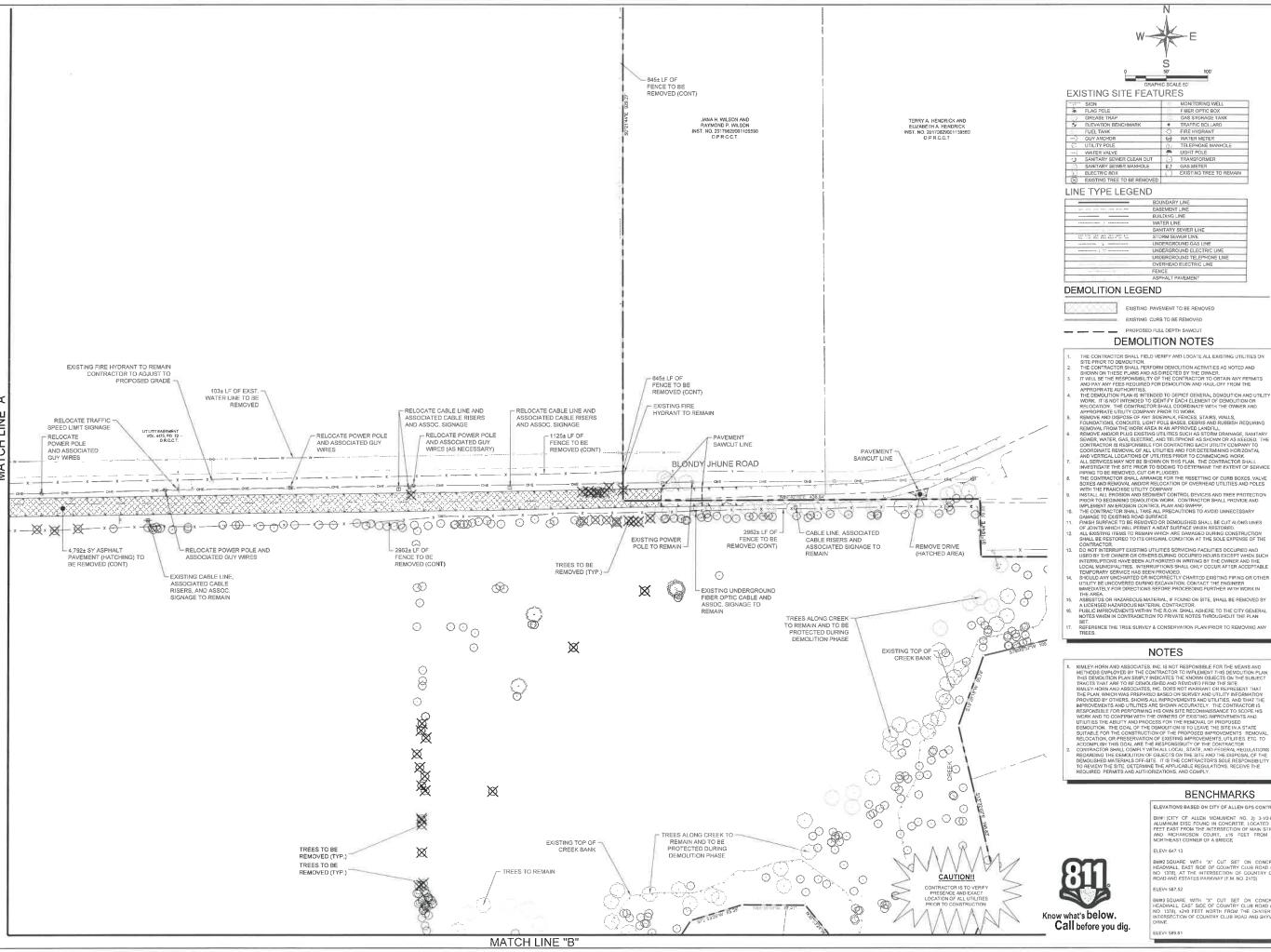
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R  $\triangleleft$ CITY OF LUCAS LLIN COUNTY, TEX L 쏫

ENDRI

SHEET NUMBER C-02

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	SIGN	- 07	MONITORING WELL
(0)	FLAG POLE	100	FIBER OPTIC BOX
. 2	GREASE TRAP		GAS STORAGE TANK
5	ELEVATION BENCHMARK		TRAFFIC BOLLARD
	FUEL TANK	0	FIRE HYDRANT
)	GUY ANCHOR	(4)	WATER METER
0	UTILITY POLE	(5)	TELEPHONE MANHOLE
	WATER VALVE		LIGHT POLE
·	SANITARY SEWER CLEAN OUT	(3)	TRANSFORMER
1	SANITARY SEWER MANHOLE	£.)	GAS METER
2	ELECTRIC BOX	0	EXISTING TREE TO REMAIN
(x)	EXISTING TREE TO BE REMOVED		

### LINE TYPE LEGEND

	BOUNDARY LINE
	EASEMENT LINE
	BUILDING LINE
	WATER LINE
	SANITARY SEWER LINE
	STORM SEWER LINE
	UNDERGRÖUND GAS LINE
~~~~····	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
	OVERHEAD ELECTRIC LINE
	FENCE
	ASPHALT PAVEMENT

### DEMOLITION LEGEND

EXISTING PAVEMENT TO BE REMOVED EXISTING CURB TO BE REMOVED

\_\_\_\_ PROPOSED FULL DEPTH SAWCUT

### **DEMOLITION NOTES**

- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION. CONTACT THE RENINIER OR INMEDIATELY FOR DIRECTIONS SEPORE PROCEEDING FURTHER WITH WORK IN ASSESTING OR HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL CONTRACTOR.
  PUBLIC IMPROVEMENTS WITHIN THE R.O.W. SHALL DOHERE TO THE CITY GENERAL NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGHOUT THE PLANSET.
- RENCE THE TREE SURVEY & CONSERVATION PLAN PRIOR TO REMOVING

# NOTES

NOTES

(MILEY-HORN AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN THIS DEMOLITION PLAN SIMPLY MODICATES THE KNOWN OBJECTS ON THE SUBJECT TRACTS THAT ARE TO BE DEMOLISÉED AND REMOVED FROM THE SITE. KIMLEY-HORN AND ASSOCIATES, INC. DOES NOT WARRANT OR REPRESENT THAT THE PLAN, WHICH MASS REPARED BASED ON SURREY AND UTILITIES AND THAT THE PLAN, WHICH MASS PREPARED BASED ON SURREY AND UTILITIES AND THAT THE MERCYTEMENTS AND UTILITIES AND CONTRACTOR IS RESPONSIBLE FOR PERFORMING HIS OWN SITE RESONANTISMANCE TO SCOPE HIS RESPONSIBLE FOR PERFORMING HIS OWN SITE RESONANTISMANCE TO SCOPE HIS RESPONSIBLE FOR PERFORMING HIS OWN SITE RESONANTISMANCE TO SCOPE HIS RESPONSIBLE FOR PERFORMING HIS OWN SITE RESONANTISMANCE TO SCOPE HIS RESPONSIBLE FOR PERFORMING HIS OWN SITE RESONANTISMANCE TO SCOPE HIS RESPONSIBLE FOR PERFORMING HIS OWN SITE RESONANTISMANCE TO SCOPE HIS RESPONSIBLE FOR PERFORMING HIS OWN SITE RESONANTISMANCE TO SCOPE HIS RESPONSIBLE FOR PERFORMING THE DEMOLITION OF THE PERPONSED MEMOVEMENTS. REMOVAL RELOCATION, OR PRESERVATION OF EXISTING IMPROVEMENTS, UTILITIES ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATION OF CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATION FOR PERFORMING THE SITE DIFFERENCE APPLICATION OF PROBLEMENT OF THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISPOSAL OF THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISPOSAL OF THE REGULARITION TO REVIEW THE BEDILD THIND TO PROBLEME THE SITE DISPOSAL OF THE REQUIRED PERMITS AND AUTHORIZATIONS, AND COMPLY.

### **BENCHMARKS**

ELEVATIONS BASED ON CITY OF ALLEN GPS CONTRO BM81 (CITY OF ALLEN MONUMENT NO. 2) 3-1/2 ALUMINUM DISC FOUND IN CONCRETE, LOCATED FEET EAST FROM THE INTERSECTION OF MAIN ST AND RICHARDSON COURT, ±16 FEET FROM NORTHEAST CORNER OF A BRIDGE

BM#2 SQUARE WITH "X" CUT SET ON CONCI HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD NO 1378), AT THE INTERSECTION OF COUNTRY ( ROAD AND ESTATES PARKWAY (F.M. NO. 2170)

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CITY OF LUCAS LIN COUNTY, TEXAS

Kimley»Horn

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SARAH E. SCOTT

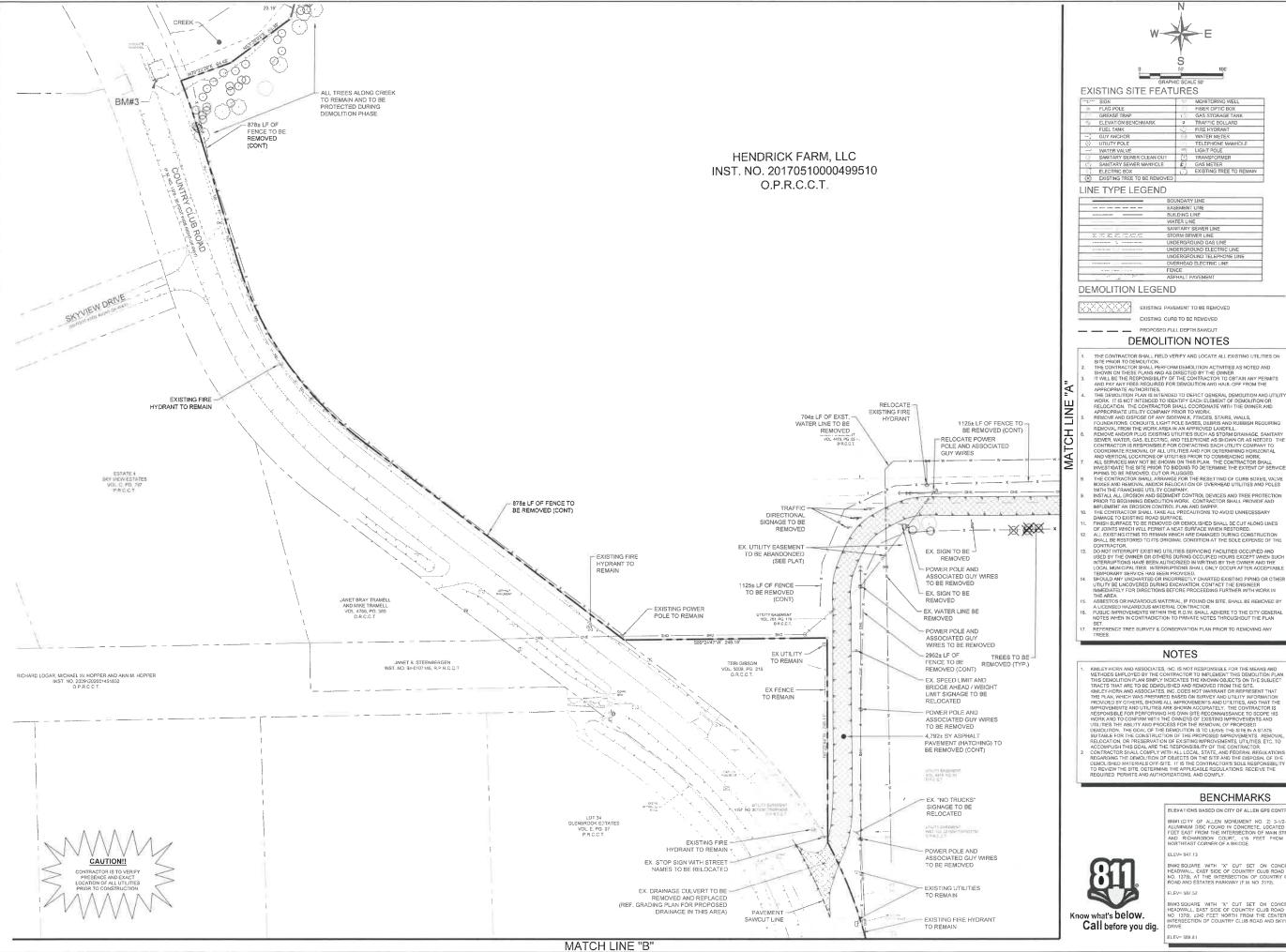
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DEMOLITION F (1 OF 3)

FARM

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C	SIGN	-40	MONITORING WELL
(8)	FLAG POLE	(1)	FIBER OPTIC BOX
7.5	GREASÉ TRAP	1.2	GAS STORAGE TANK
14	ELEVATION BENCHMARK	4	TRAFFIC BOLLARD
	FUEL TANK	10-	FIRE HYDRANT
)	GUY ANCHOR	(0)	WATER METER
(i)	UTILITY POLE	11	TELEPHONE MANHOLE
	WATER VALVE	-45	LIGHT POLE
0	SANITARY SEWER CLEAN OUT	(3)	TRANSFORMER
(9)	SANITARY SEWER MANHOLE	(6)	GAS METER
T i	ELECTRIC BOX	(3)	EXISTING TREE TO REMAIN
(X)	EXISTING TREE TO BE REMOVED		

### LINE TYPE LEGEND

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ETERTISE	STORM SEWER LINE
5	UNDERGROUND GAS LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
**************************************	OVERHEAD ELECTRIC LINE
	FENCE
	ASPHALT PAVEMENT

### **DEMOLITION LEGEND**



EXISTING PAVEMENT TO BE REMOVED

### DEMOLITION NOTES

- THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING L'ILLITIES ON SITE PRIOR TO DEMOLITION.

  THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING L'ILLITIES ON SITE PRIOR TO DEMOLITION.

  THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES AS NOTED AND SHOWN ON THESE PLANS AND AS DIRECTED BY THE OWNERS.

  THE VIEW OF THE SEPPONBIBILITY OF RECONTRACTOR TO DETAIN ANY PERMITS IT WILL BETHER REPORBIBILITY OF RECONTRACTOR OF DEMOLITION AND FAILURE AND PROPORTIAL AUTHORITIES.

  THE DEMOLITION PLAN IS INTENDED TO DEPITEY EACH ELEMENT TO PERMOLITION AND UTILITY WORK. IT IS NOT INTENDED TO DEPITEY EACH ELEMENT OF DEMOLITION AND UTILITY WORK. IT IS NOT INTENDED TO DEPITEY EACH ELEMENT OF DEMOLITION AND UTILITY WORK. IT IS NOT INTENDED AND PROPORTIAL TUTLITY COMPANY PRIOR TO WORK.

  REMOVE AND DISPOSE OF ANY SIDEWARK, FENCES, STARS, WALLS, POUNDATIONS, COMDUITS, LIGHT POLE BASES, DEBRISS AND RUBBISH REQUIRING PLOYERS.

  REMOVE AND DISPOSE OF ANY SIDEWARK, FENCES, STORM DRAININGS, SANITARY SEVERY, WATER, GAS, ELECTRIC, AND TELEPHONE AS SHOWN OF AS AN EXPOSED THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH UTILITY COMPANY TO COORDINATE REMOVAL OF ALL UTILITIES AND FOR DETERMINING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES PRIOR TO COMMENCION WORK.

- A LICENSED HAZARDOUS MATERIAL CONTRACTOR.
  PUBLIG IMPROVEMENTS WITHIN THE R.O.W. SHALL ADHERE TO THE CITY GENER
  NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGHOUT THE PLAN

### NOTES

NOTES

KIMLEY-HORN AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN THIS DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACTS THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE. KIMLEY-HORN AND ASSOCIATES, INC. DOES NOT WARRANT OR REPRESENT THAT THE PLAN, WIGHT WAS PREPARED BASED ON SURVEY AND UTILITIES, AND THAT THE PLAN, WIGHT WAS PREPARED BASED ON SURVEY AND UTILITIES AND THAT THE MIPROVEMENTS AND THAT THE PLAN, WIGHT WAS PREPARED BASED ON SURVEY AND UTILITIES. AND THAT THE MIPROVEMENTS AND UTILITIES AND THAT THE MIPROVEMENTS AND THAT THE CONTRACTOR IS WORK AND TO CONFIRM WITH THE OWNERS OF EXISTING IMPROVEMENTS AND SUITABLE FOR THE CONSTRUCTION OF THE PROPOSED DEMOLITION. THE GOAL OF THE DEMOLITION OF THE PROPOSED DEMOLITION. THE GOAL OF THE DEMOLITION OF THE PROPOSED DEMOLITION, OR PRESERVATION OF EXISTING IMPROVEMENTS, UTILITIES, ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATION OF CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATION FOR PROPOSED MATERIALS OFF.SITE. IT IS THE CONTRACTOR SOLE RESPONSIBILITY OF THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATION OF THE SITE OF THE DISSOCIAL OF THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISSOCIAL OF THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISSOCIAL OF THE PROPOSED MATERIALS OFF.SITE. IT IS THE CONTRACTOR SOLE RESPONSIBILITY OF THE CONTRACTOR.

### **BENCHMARKS**

BM#1 (CITY OF ALLEN MONUMENT NO. 2) 3-1/2 ALUMINUM DISC FOUND IN CONCRETE, LOCATED FEET EAST FROM THE INTERSECTION OF MAIN ST AND RICHARDSON COURT, ±16 FEET FROM NORTHEAST CORNER OF A BRIDGE.

### ELEV= 547.13

BM#2 SQUARE WITH "X" CUT SET ON CONCRET HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F.I NO. 1378), AT THE INTERSECTION OF COUNTRY CLL ROAD AND ESTATES PARKWAY (F.M. NO. 2170);

BM#3 SQUARE WITH "X" CUT SET ON CONC HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD NO 1378), £240 FEET NORTH FROM THE CENTE INTERSECTION OF COUNTRY CLUB ROAD AND SKY DRIVE.

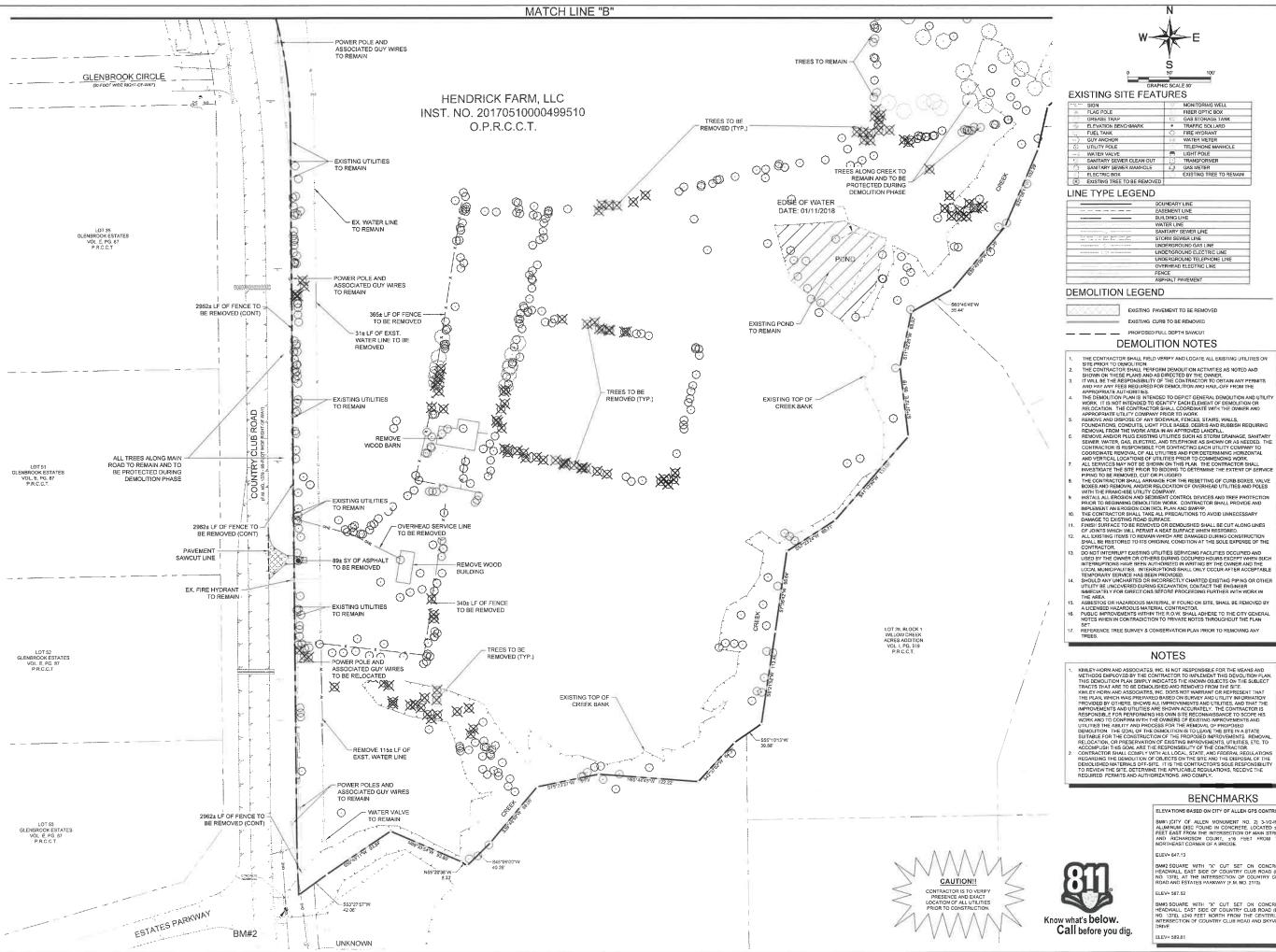
C-04

DEMOLITION F (2 OF 3)

PLAN

Kimley≫Horn

FARM HENDRICK





···′(. ····	SIGN		MONITORING WELL
100	FLAG POLE		FIBER OPTIC BOX
155	GREASE TRAP	£2.	GAS STORAGE TANK
-9	ELEVATION BENCHMARK	۰	TRAFFIC BOLLARD
6.1	FUEL TANK	0	FIRE HYDRANT
3	GUY ANCHOR	(6)	WATER METER
0	UTILITY POLE	100	TELEPHONE MANHOLE
	WATER VALVE	(5)	LIGHT POLE
0	SANITARY SEWER CLEAN OUT	(2)	TRANSFORMER
()	SANITARY SEWER MANHOLE	(1)	GAS METER
1	ELECTRIC BOX	10	EXISTING TREE TO REMAIN
(x)	EXISTING TREE TO BE REMOVED		

### LINE TYPE LEGEND

	BOUNDARY LINE
	EASEMENT LINE
	BUILDING LINE
	WATER LINE
	SANITARY SEWER LINE
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	STORM SEWER LINE
	UNDERGROUND GAS LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
	OVERHEAD ELECTRIC LINE
	FENCE
	ASDHALT DAVEMENT

### **DEMOLITION LEGEND**

EXISTING PAVEMENT TO BE REMOVED EXISTING CURB TO BE REMOVED

PROPOSED FULL DEPTH SAWCUT

### **DEMOLITION NOTES**

- WITH THE FRANCHISE UTILITY COMPAINY.

  HISTAIL ALL REGISION AND SEDIMENT CONTROL DEVICES AND TREE PROTECTION PRIOR TO BEGINNING DEMOLITION WORK. CONTRACTOR SHALL PROVIDE AND IMPLEMENT AN ENGOISING CONTROL, PLAN AND SHAPP.

  DAMAGE TO EXISTING FROAD SURFACE.

  FINISH SURFACE TO BE REMOVED OR DEMOLISHED SHALL BE OUT ALONG LINES OF JOINTS WHICH WILL PERMIT A NEAT SURFACE WHEN RESTORED.

  ALL EXISTING TERMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE SOLE EXPENSE OF THE CONTRACTOR.
- STALL BE RESORDED TO THE ORDINATE CONTINUATION IN IT BE SUITE BEYENSE OF THE 
  OWN DOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND 
  USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH 
  INTERRUPTIONS HAVE BEEN AUTHORAZED IN WAITING BY THE OWNER AND THE 
  LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE 
  TEMPORARY SERVICE HAS BEEN PROVIDED. 
  SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER 
  UTILITY BE UNCOVERED DURING EXCANATION, CONTACT THE ENGINEER 
  IMMEDIATELY FOR DIRECTIONS SEPORE PROCEEDING FURTHER WITH WORK IN 
  THE AREA. THE ANALYMOUS MATERIAL, IF COUND ON SITE, SHALL BE REMOVED BY 
  A LICENSED HAZARDOUS MATERIAL CONTRACTOR.

  PUBLIC IMPROVEMENTS WITHIN THE R.O.W. SHALL ADHERE TO THE CITY GENERAL 
  NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGHOUT THE FLAN 
  SET.

### NOTES

INUITES

KIMLEY-HORN AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEVOLUTION PLAN. THIS DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACTS THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE.

KIMLEY-HORN AND ASSOCIATES, INC. DOES NOT WARRANT OR REPRESENT THAT THE PTAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITIES, AND THAT THE PROPERTY OF THE OBJECT OF THE PROPERTY OF THE PROPERTY OF THE OBJECT OF THE PROPERTY OF THE OBJECT OF THE RESPONSIBILITY OF THE CONTRACTOR OF THE PROPERTY OF THE OBJECT OF THE RESPONSIBILITY OF THE CONTRACTOR OF THE PROPERTY OF THE OBJECT OF THE PROPERTY OF THE OBJECT OF THE RESPONSIBILITY OF THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL. STATE, AND FEDERAL REGULATION FEGANORY OF OBJECTS OF THE SITE OF THE DISPOSAL OF THE DEMOLISHED MATERIALS OFF-SITE. IT IS THE CONTRACTOR'S SOLE REGULATION. RECEIVE THE RESPONSIBILITY OF THE CONTRACTOR'S SOLE REPORTS OF THE PROPORTY OF REPORTS OF THE PROPORTY.

### **BENCHMARKS**

BM#1 (CITY OF ALLEN MONUMENT NO. 2) 3-1/2-1 ALUMINUM DISC FOUND IN CONCRETE, LOCATED : FEET EAST FROM THE INTERSECTION OF MAIN STR AND RICHARDSON COURT, ±16 FEET FROM NORTHEAST CORNER OF A BRIDGE.

### ELEV= 647.13

BMM2 SQUARE WITH "X" CUT SET ON CONCRETE HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F.M. NO. 1378), AT THE INTERSECTION OF COUNTRY CLUB ROAD AND ESTATES PARRWAY (F.M. NO. 2170).

BM#3 SQUARE WITH "X" CUT SET ON CONCRETS HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F.M. NO. 1378), ±240 FEET NORTH FROM THE CENTERLINE INTERSECTION OF COUNTRY CLUB ROAD AND SKYVIEW DRIVE.

ELEV= 589.81

C-05

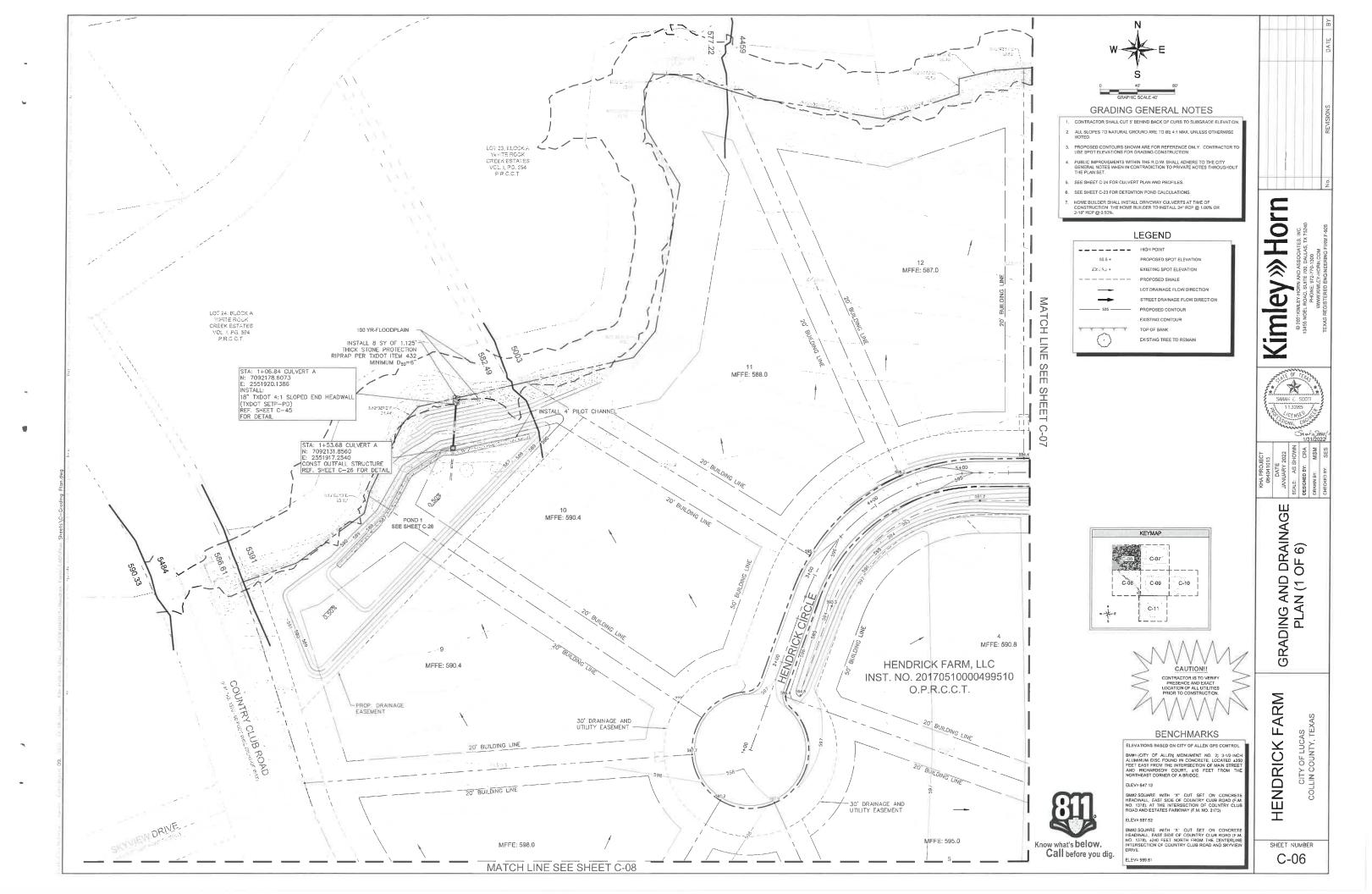
Kimley»Horn

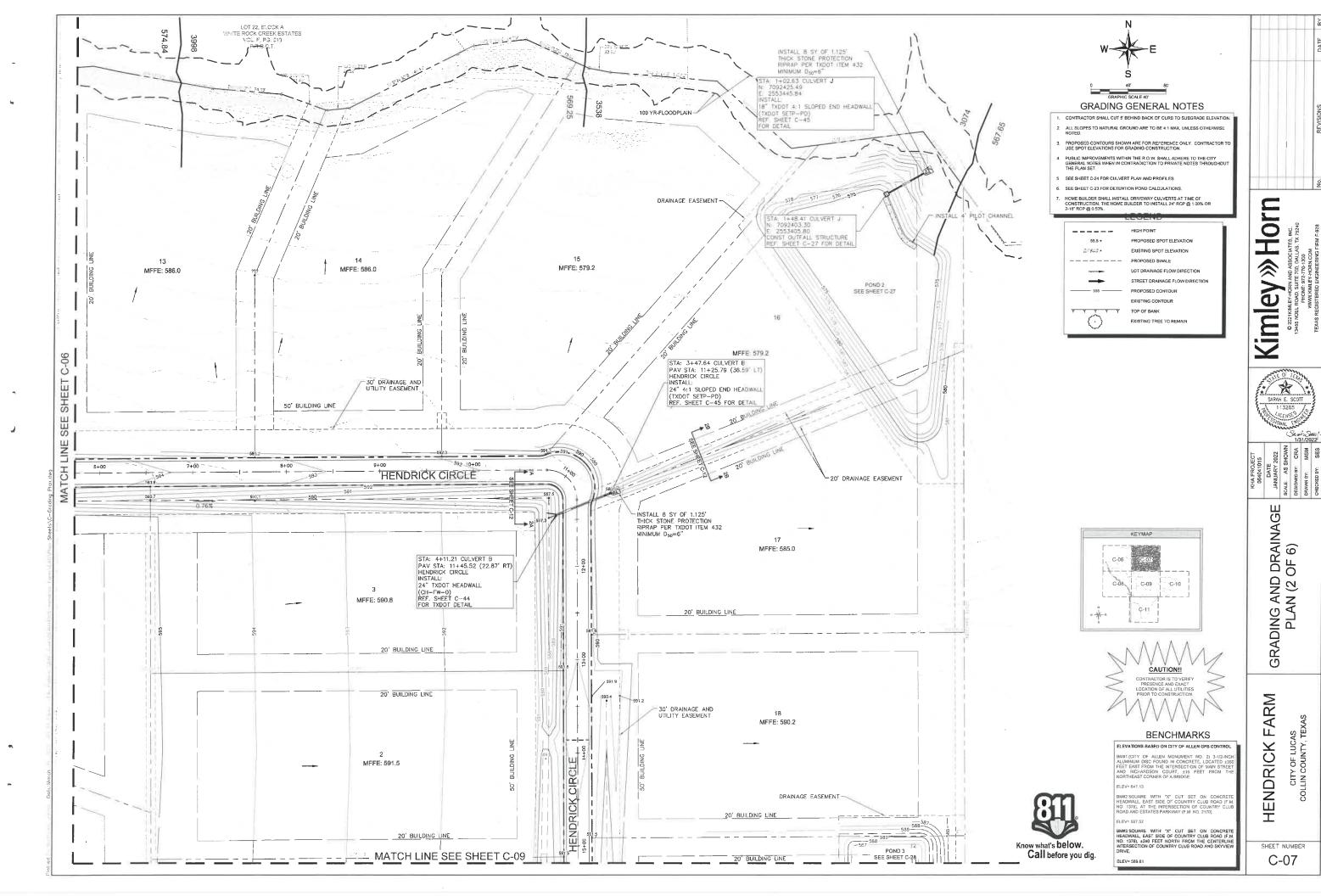
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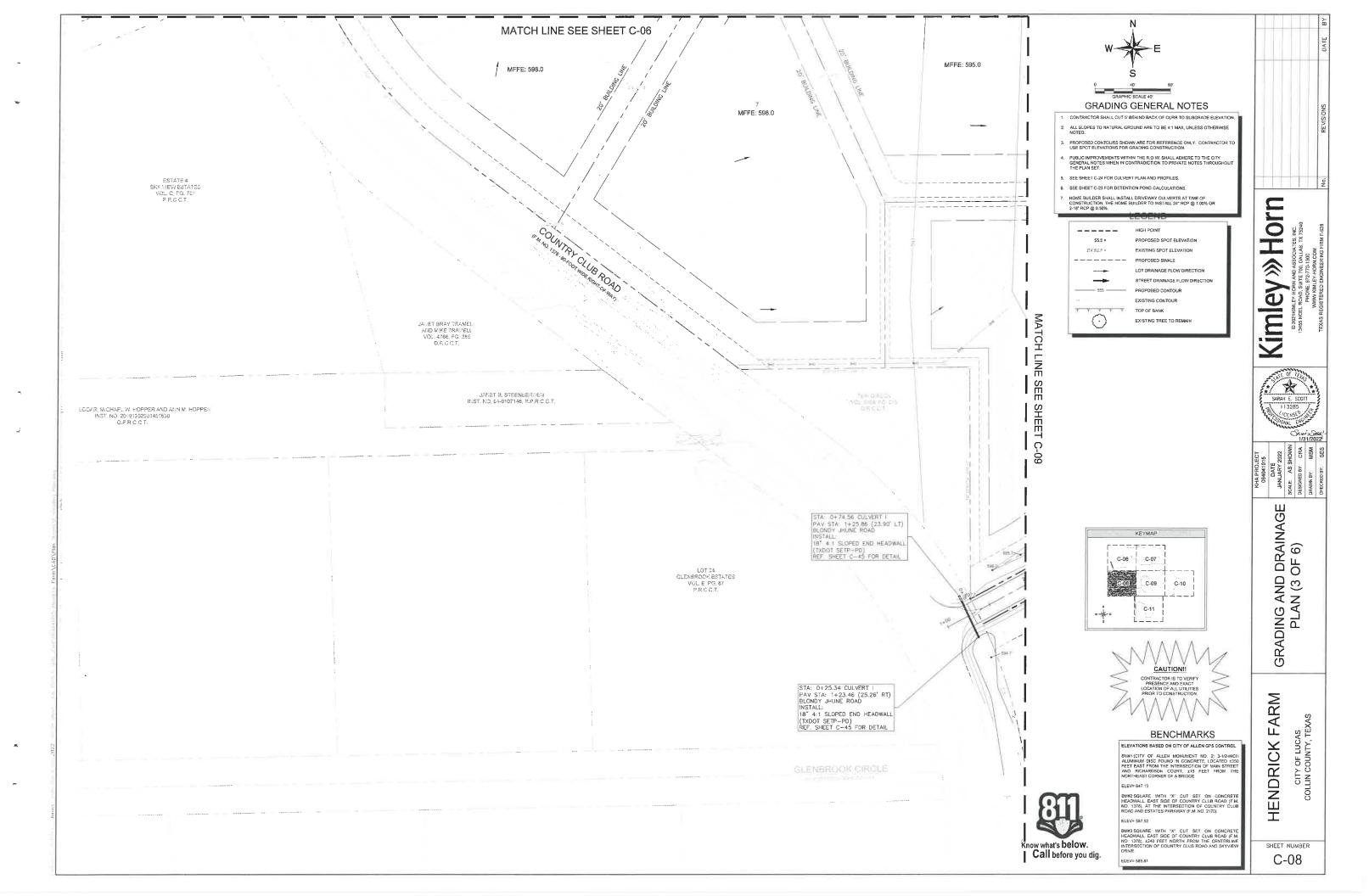
PLAN DEMOLITION F (3 OF 3)

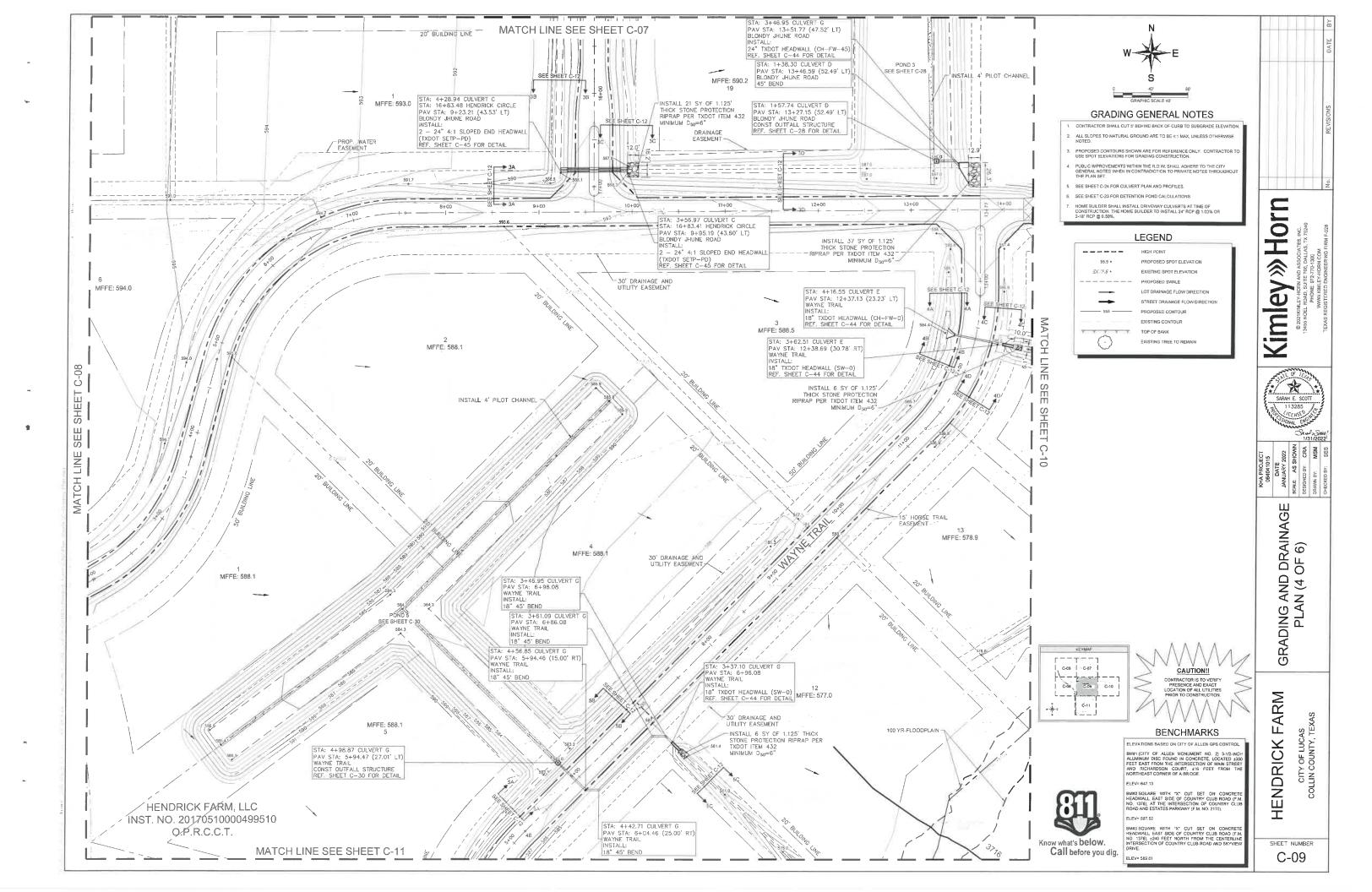
**FARM** CITY OF LUCA COLLIN COUNTY, T

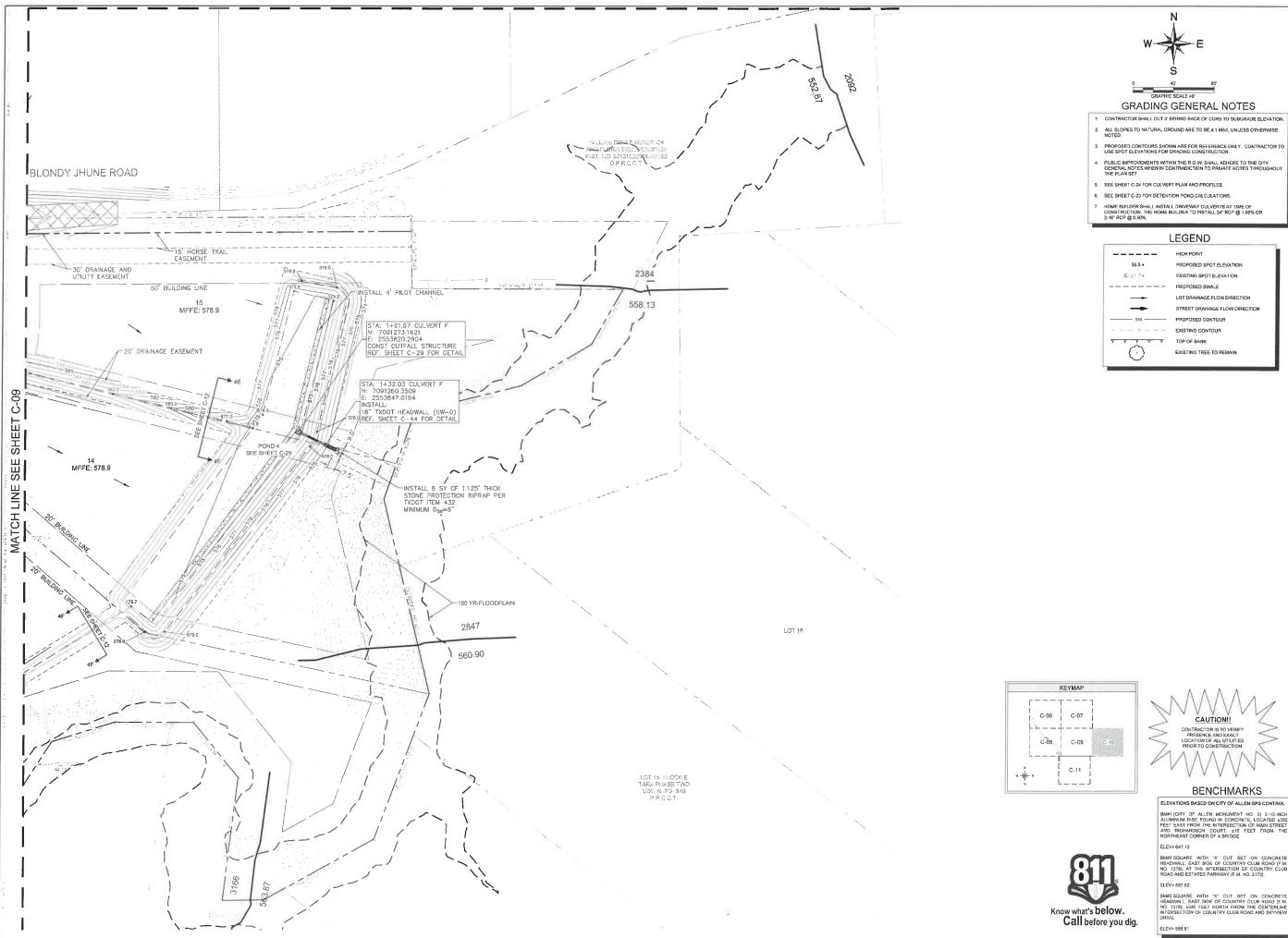
HENDRICK













## GRADING GENERAL NOTES

- 1. CONTRACTOR SHALL CUT 5' BEHIND BACK OF CURB TO SUBGRADE ELEVATION
- ALL SLOPES TO NATURAL GROUND ARE TO BE 4:1 MAX, UNLESS OTHERWISE NOTED.
- PUBLIC IMPROVEMENTS WITHIN THE R.O.W. SHALL ADHERE TO THE CITY GENERAL NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGH THE PLAN SET.
- 5. SEE SHEET C-24 FOR CULVERT PLAN AND PROFILES
- 6. SEE SHEET C-23 FOR DETENTION POND CALCULATIONS.
- HOME BUILDER SHALL INSTALL DRIVEWAY CULVERTS AT TIME OF CONSTRUCTION. THE HOME BUILDER TO INSTALL 24" RCP @ 1.00% OR 2-18" RCP @ 0.50%.

### LEGEND

	HIGH POINT
55.5 ◆	PROPOSED SPOT ELEVATION
E1.5-1+	EXISTING SPOT ELEVATION
	PROPOSED SWALE
-	LOT DRAINAGE FLOW DIRECTION
-	STREET DRAINAGE FLOW DIRECTION
555	PROPOSED CONTOUR
	EXISTING CONTOUR
A- A-A-A-A	TOP OF BANK
	EXISTING TREE TO REMAIN

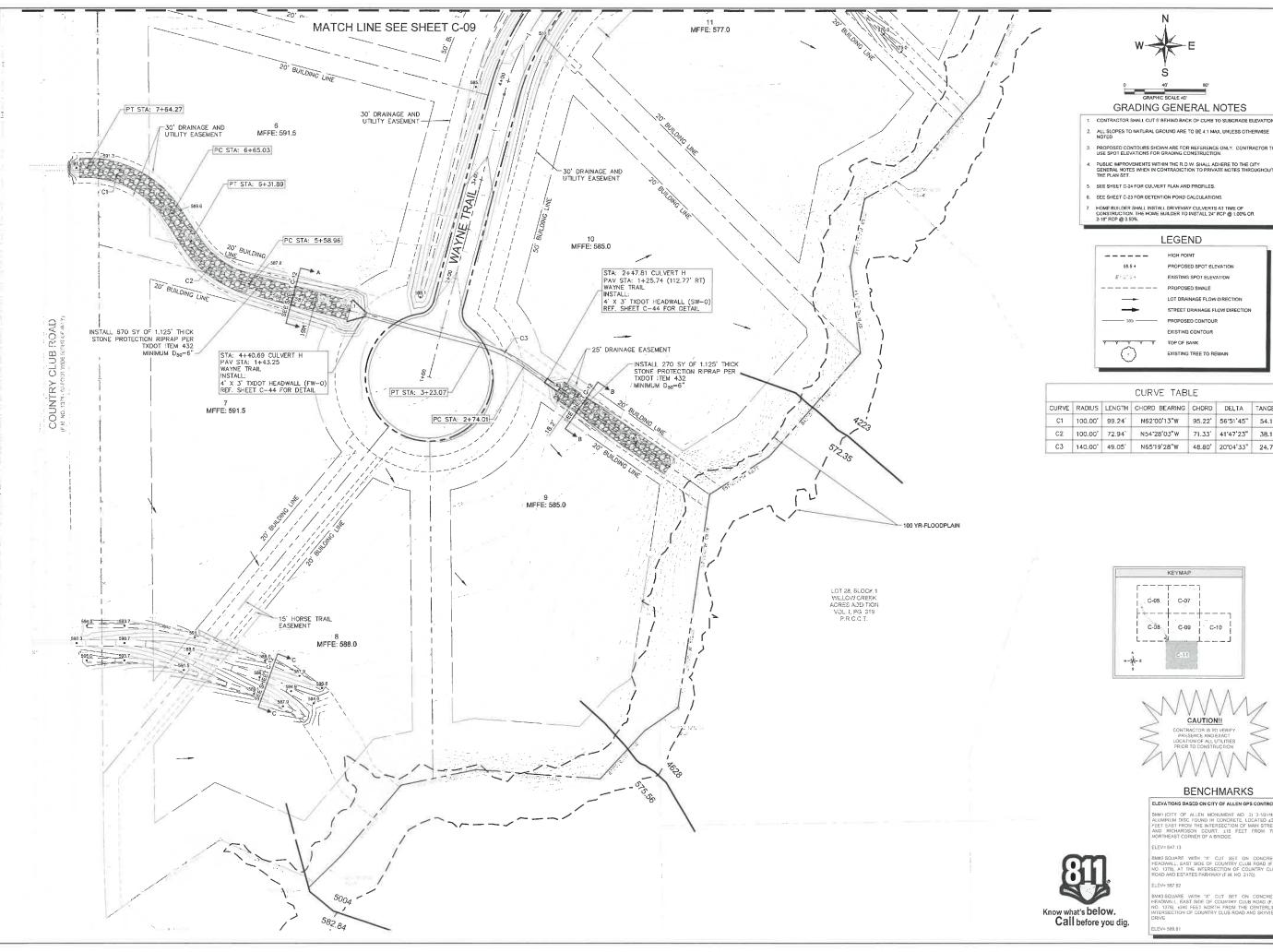
Kimley » Horn

BENCHMARKS

GRADING AND DRAINAGE PLAN (5 OF 6)

CITY OF LUCAS COLLIN COUNTY, TEXAS

HENDRICK FARM

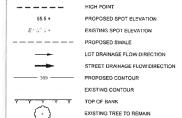




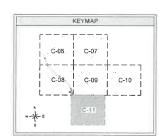
# **GRADING GENERAL NOTES**

- ALL SLOPES TO NATURAL GROUND ARE TO BE 4:1 MAX, UNLESS OTHERWISE NOTED
- PROPOSED CONTOURS SHOWN ARE FOR REFERENCE ONLY. COUSE SPOT ELEVATIONS FOR GRADING CONSTRUCTION.
- PUBLIC IMPROVEMENTS WITHIN THE R.O.W. SHALL ADHERE TO THE CITY GENERAL NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGHOL THE PLAN SET.
- 5. SEE SHEET C-24 FOR CULVERT PLAN AND PROFILES.
- 6. SEE SHEET C-23 FOR DETENTION POND CALCULATIONS.
- HOME BUILDER SHALL INSTALL DRIVEWAY CULVERTS AT TIME OF CONSTRUCTION. THE HOME BUILDER TO INSTALL 24° RCP @ 1.00% CR 2-16° RCP @ 0.50%.

### LEGEND



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	100.00'	99.24	N62'00'13"W	95.22	56'51'45"	54.14
C2	100.00	72.94	N54"28'03"W	71.33	41'47'23"	38.18'
C3	140.00	49.05'	N65"19"28"W	48.80	20"04'33"	24.78'





### **BENCHMARKS**

ELEVATIONS BASED ON CITY OF ALLEN GPS CONTROL

BM#1 (CITY OF ALLEN MONUMENT NO. 2) 3-1/2 ALUMINUM DISC FOUND IN CONCRETE, LOCATED FEET EAST FROM THE INTERSECTION OF MAIN ST AND RICHARDSON COURT. ±18 FEET FROM NORTHEAST CORNER OF A BRIDGE.

C-11

HENDRICK FARM

Kimley»Horn

SHEET NUMBER

COLLIN COUNTY, TEXAS

GRADING AND DRAINAGE PLAN (6 OF 6)

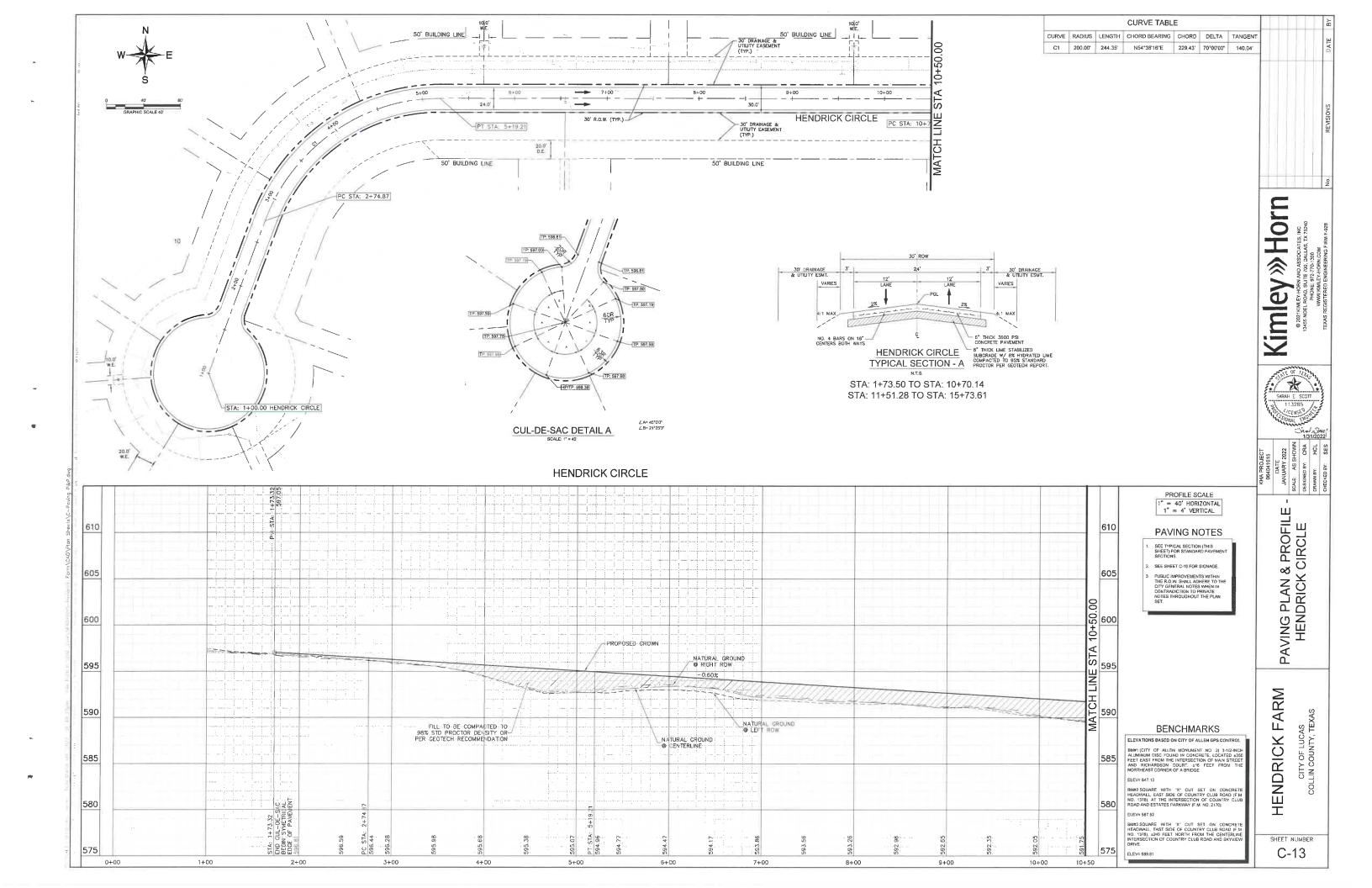


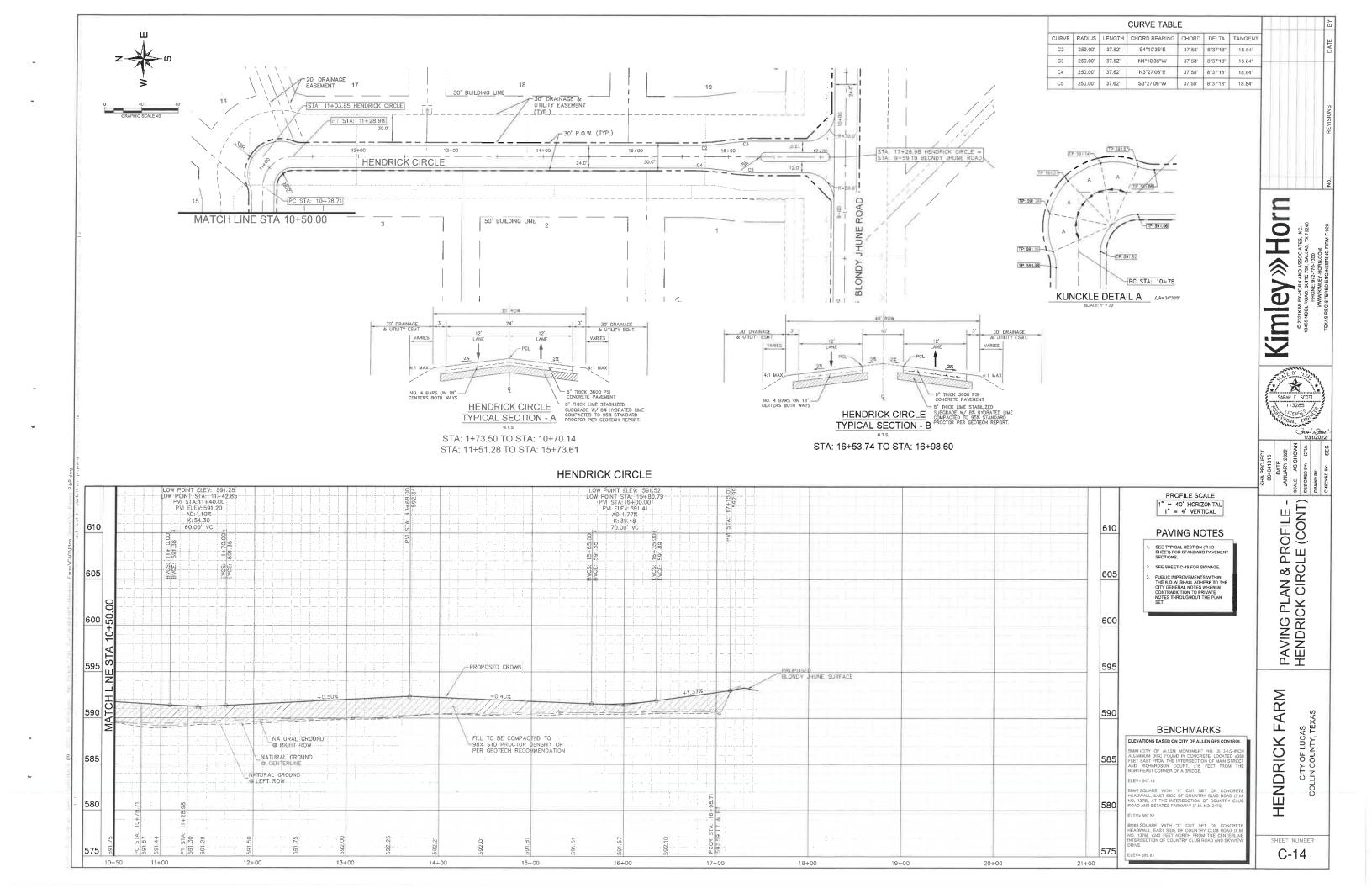
Kimley » Horn

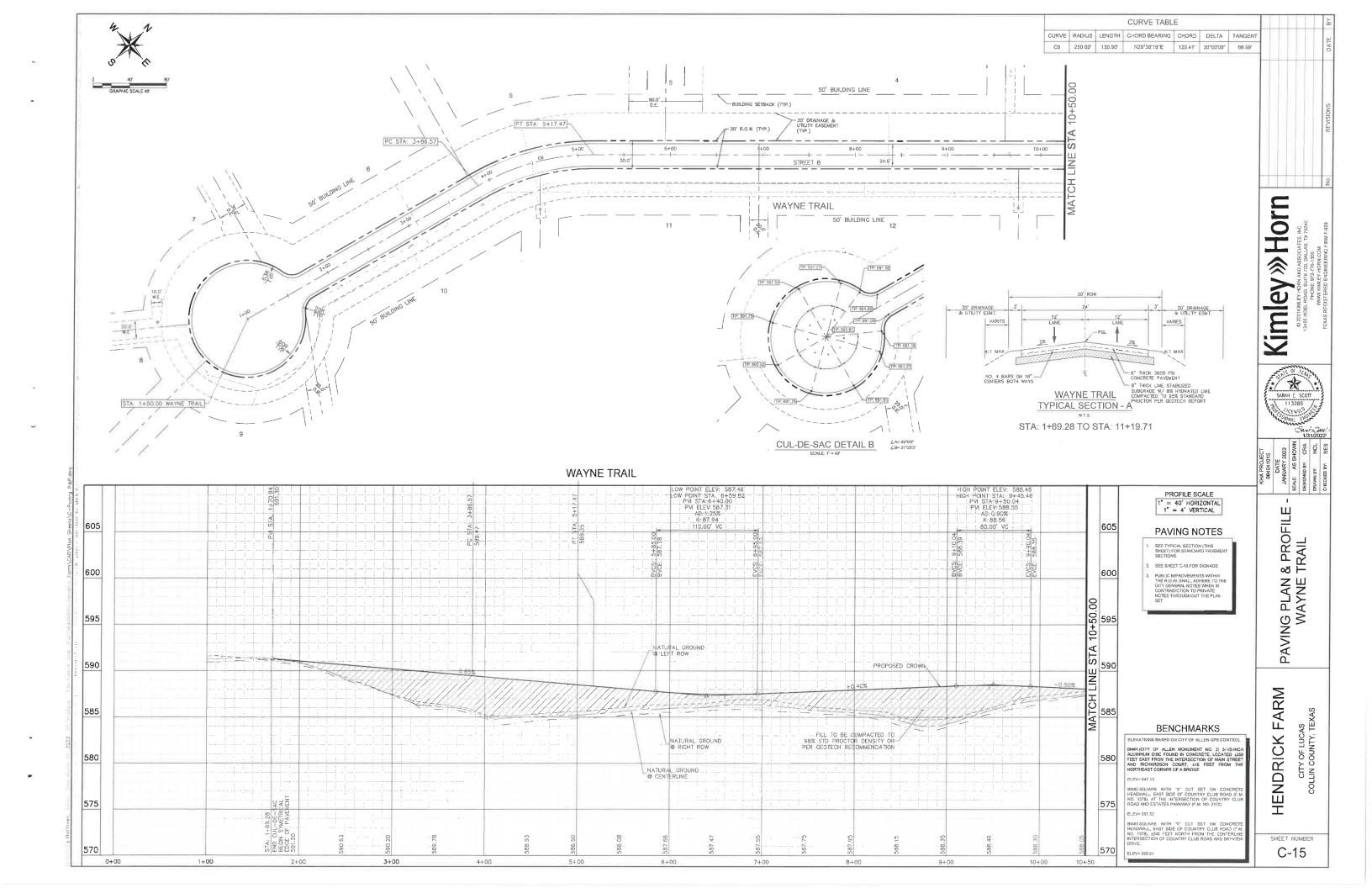
CHANNEL CROSS SECTIONS

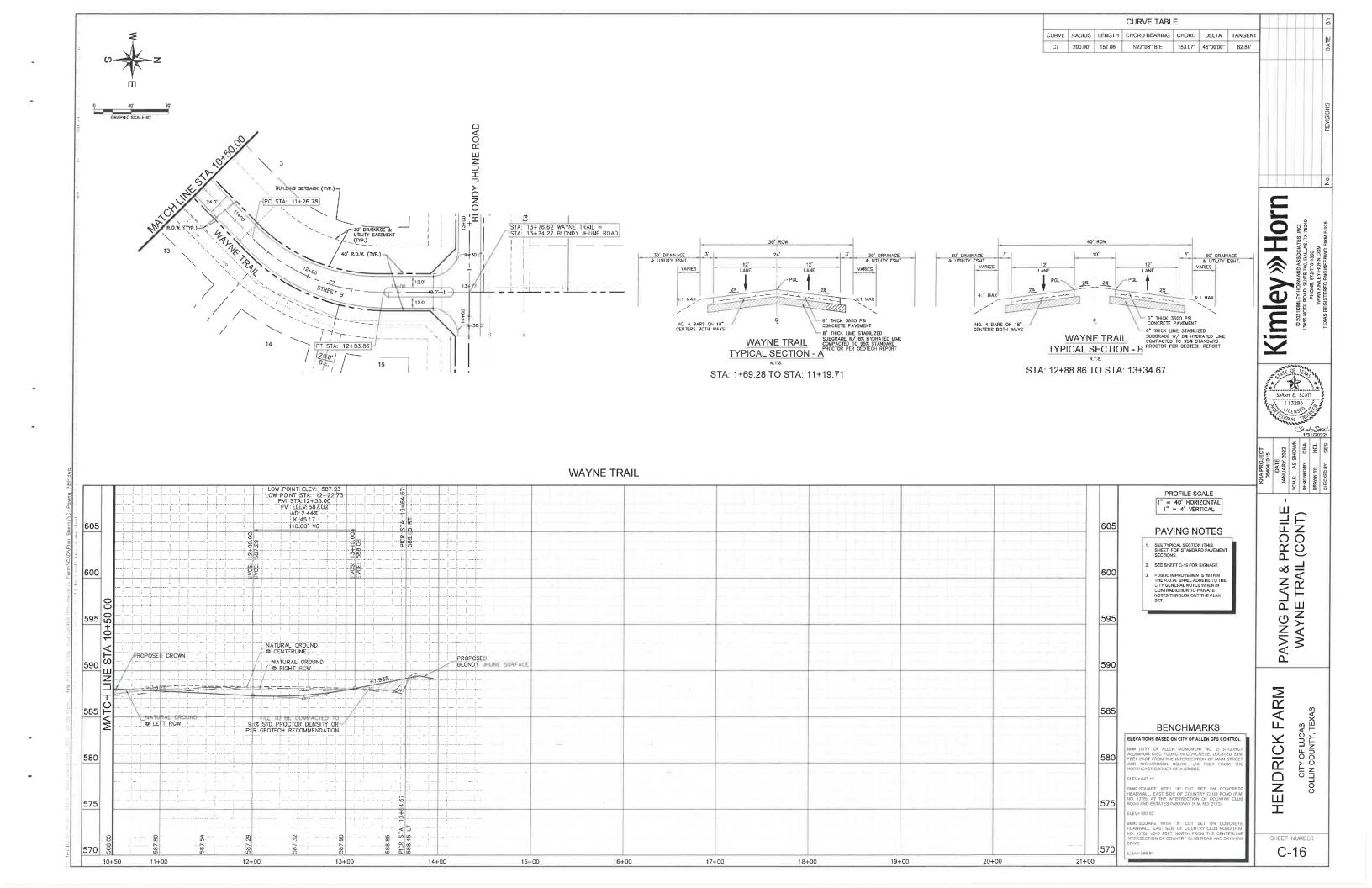
HENDRICK FARM

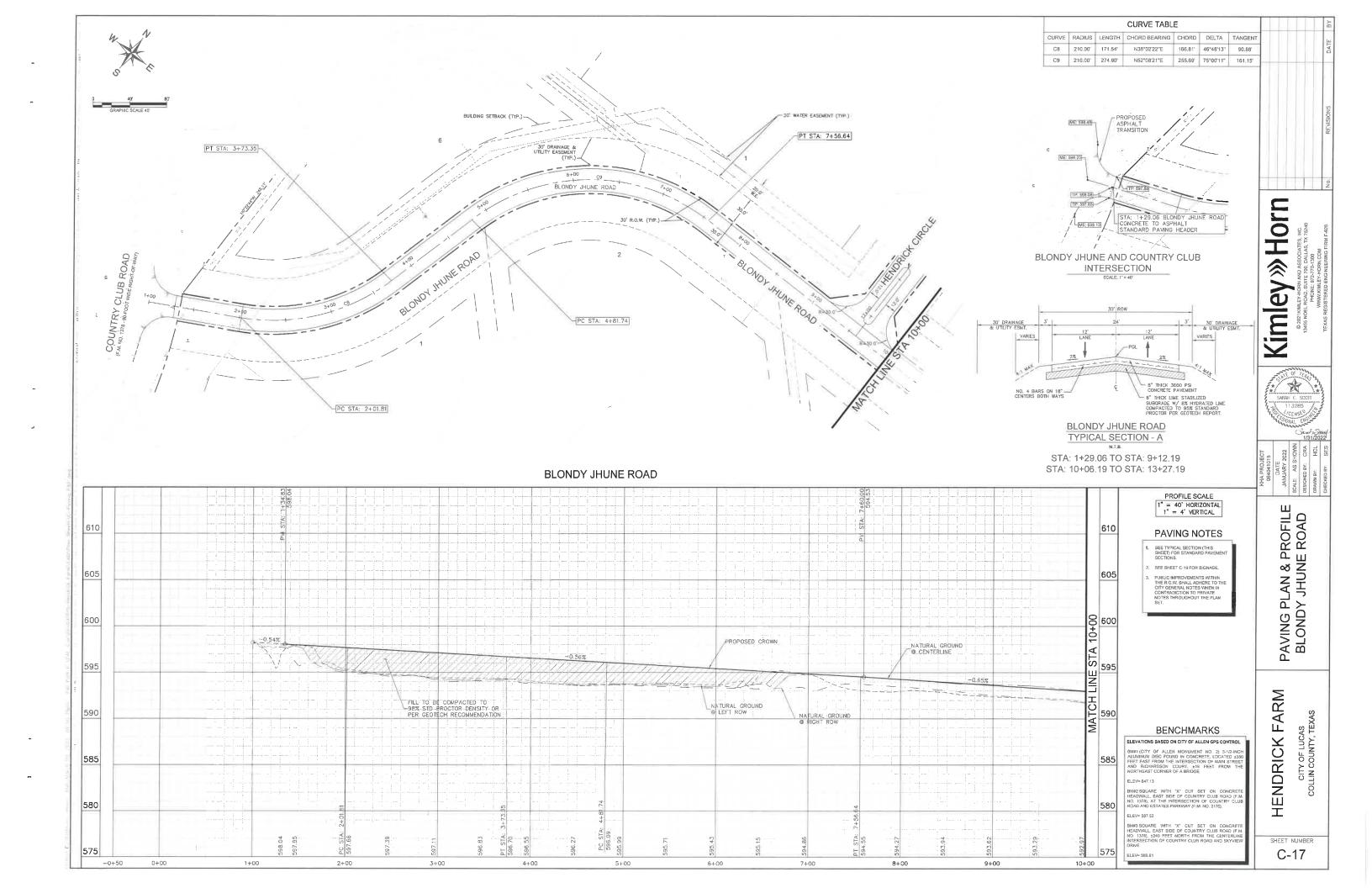
CITY OF LUCAS COLLIN COUNTY, TEXAS

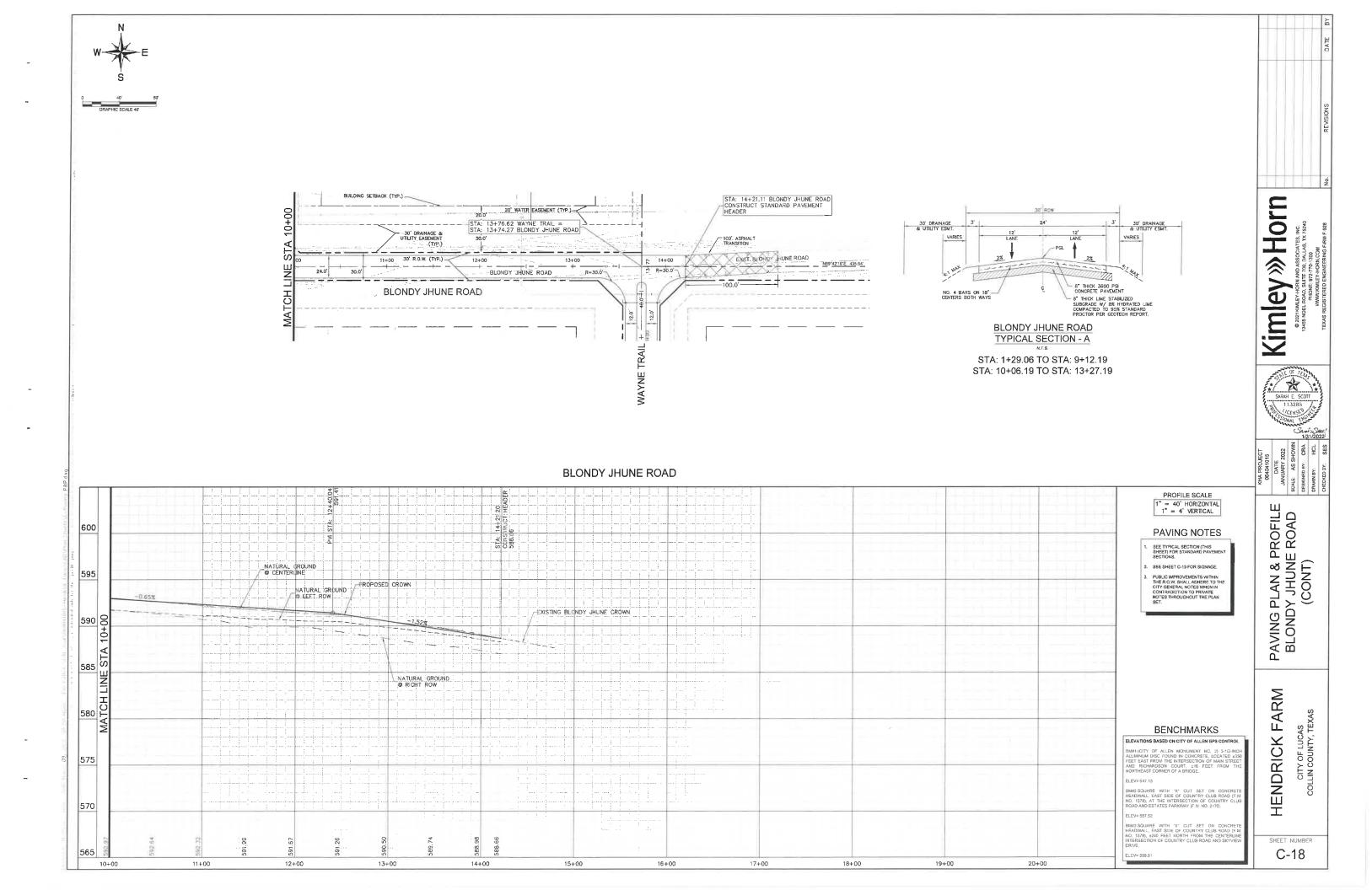


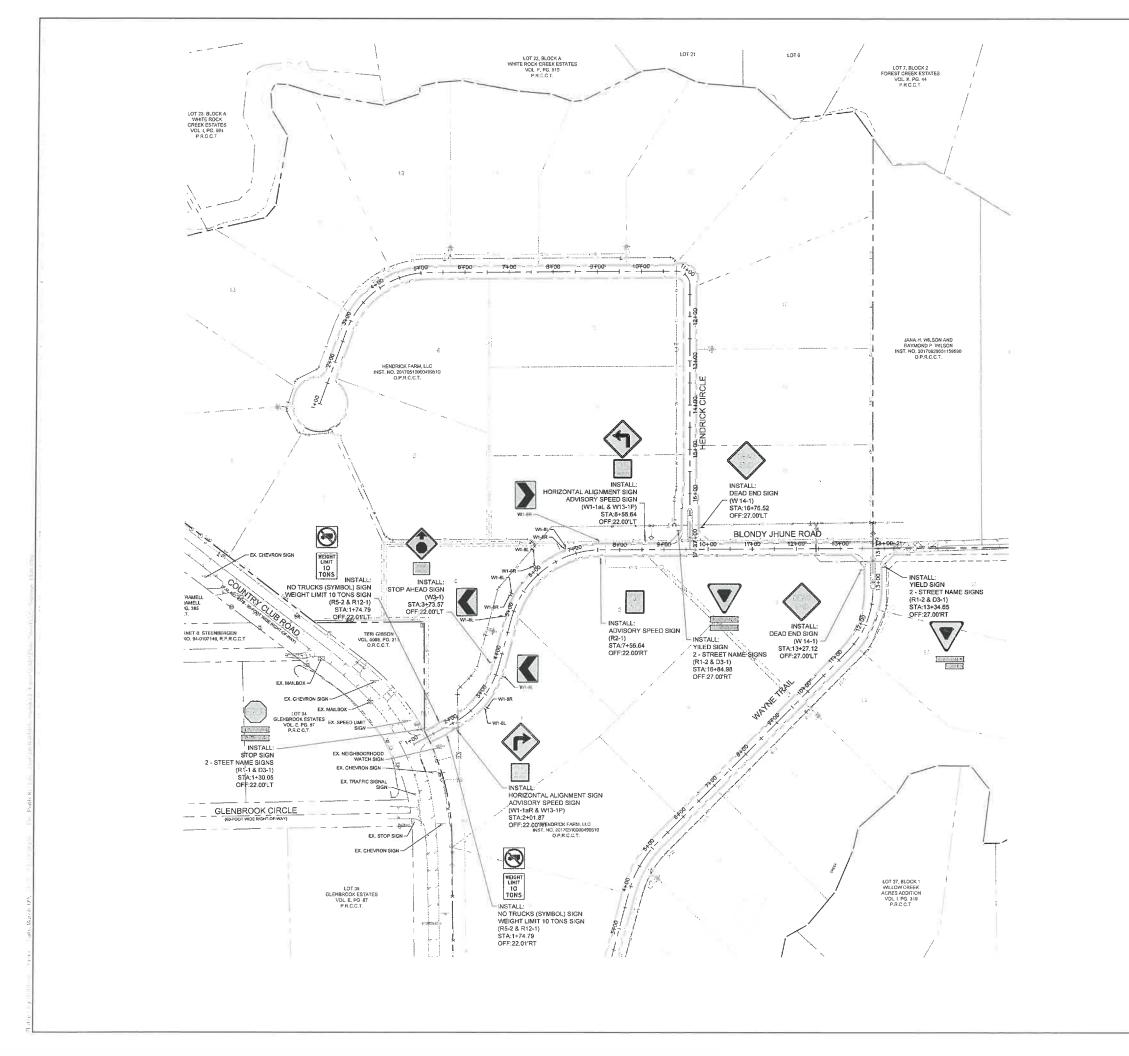


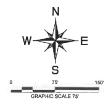








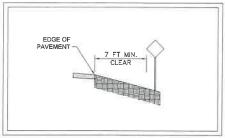




	SIGN	- 0	MONITORING WELL
10	FLAG POLE	10.1	FIBER OPTIC BOX
. 4	GREASE TRAP	- G	GAS STORAGE TANK
43.	ELEVATION BENCHMARK		TRAFFIC BOLLARD
	FUEL TANK	-0	FIRE HYDRANT
	GUY ANCHOR	11-3	WATER METER
Q.	UTILITY POLE		TELEPHONE MANHOLE
·-:	WATER VALVE	- (%)	LIGHT POLE
Ç.	SANITARY SEWER CLEAN OUT	100	TRANSFORMER
	SANITARY SEWER MANHOLE	13	GAS METER
	ELECTRIC BOX		

### LINE TYPE LEGEND

	BOUNDARY LINE
	EASEMENT LINE
	BUILDING LINE
	WATER LINE
	SANITARY SEWER LINE
	STORM SEWER LINE
	UNDERGROUND GAS LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
***************************************	OVERHEAD ELECTRIC LINE
7-1	FENCE
	ASPHALT PAVEMENT



TYPICAL SIGN PLACEMENT



### BENCHMARKS

ELEVATIONS BASED ON CITY OF ALLEN GPS CONTROL

BM#1 (CITY OF ALLEN MONUMENT NO. 2) 3-1/2-INI
ALUMINUM DISC FOUND IN CONCRETE, LGCATED ±3
FEET EAST FROM THE INTERSECTION OF MAIN STRE
AND RICHARDSON COURT, ±16 FEET FROM TI
NORTHEAST CORNER OF A BRIDGE.

BM#2 SQUARE WITH "X" CUT SET ON CONCRE HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F. NO. 1378), AT THE INTERSECTION OF COUNTRY CLU ROAD AND ESTATES PARKWAY (F.M. NO. 2170).

ELEV= 587.52

Know what's below.

Call before you dig.

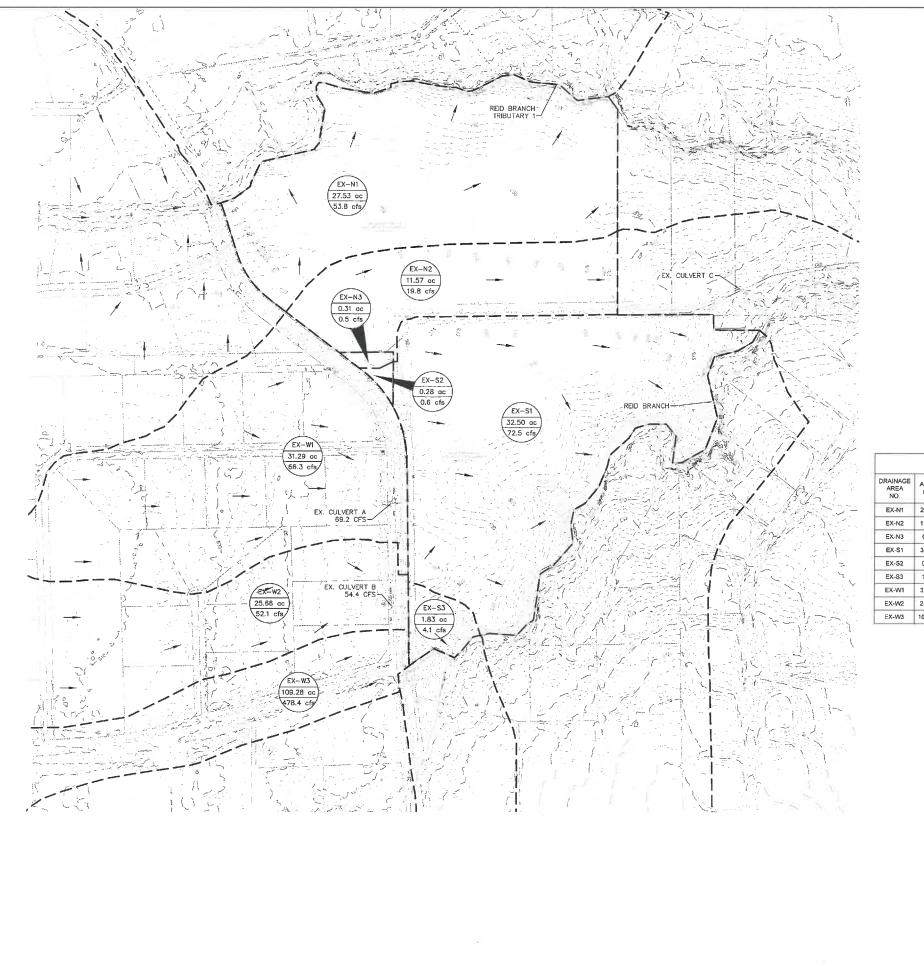
BM#3 SQUARE WITH "X" CUT SET ON CONCRET HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (FI NO. 1376), ±240 FEET MORTH FROM THE CENTERLIN INTERSECTION OF COUNTRY CLUB ROAD AND SKYVIE DRIVE.

C-19

Kimley » Horn

SIGNAGE PLAN

HENDRICK FARM CITY OF LUCAS COLLIN COUNTY, TEXAS







# DRAINAGE DESIGN CRITERIA

Q100 = C\*1\*A

Q = FLOW IN CUBIC FEET PER SECOND (CFS)

C = RUNOFF COEFFICIENT = 0.55 (1 ACRE+ RESIDENTIAL) 0.35 (OPEN SPACE)

A = DRAINAGE AREA IN ACRES

# DRAINAGE GENERAL NOTES

CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCAT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

SEE STORM DRAIN PLAN & PROFILE SHEETS FOR DETAILED INFORMATION ON STORM DRAIN LINES.

ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHER NOTED.

			D	RAINAGE ARE	A TABLE		
DRAINAGE AREA NO.	AREA (ac)	ANTECEDENT FACTOR	RUNOFF COEFFICIENT "C"	TIME OF CONCENTRATION (minutes)	RAINFALL INTENSITY "I"100 (in/hr)	TOTAL FLOW Q100 (cfs)	COLLECTION
EX-N1	27.53	1.00	0.35	30	5.58	53.8	REID BRANCH TRIBUTARY 1
EX-N2	11.57	1.00	0.35	37	4.90	19.8	REID BRANCH VIA EX. CULVERT C
EX-N3	0.31	1.00	0.35	37	4.90	0.5	REID BRANCH VIA EX. CULVERT C
EX-S1	32.50	1.00	0.35	23	6.37	72.5	REID BRANCH
EX-S2	0.28	1.00	0.35	23	6.37	0.6	REID BRANCH
EX-S3	1.83	1.00	0.35	23	6.37	4.1	REID BRANCH
EX-W1	31.29	1.00	0.55	56	3.85	66.3	EX. CULVERT A TO REID BRANCH
EX-W2	25.66	1.00	0.55	59	3.69	52.1	EX. CULVERT A TO REID BRANCH
EX-W3	109.28	1.00	0.55	15	7.96	478.4	REID BRANCH

# !!WARNING!!

Kimley » Horn

EXISTING DRAINAGE AREA MAP

HENDRICK FARM CITY OF LUCAS COLLIN COUNTY, TEXAS



19

1.25

1.25

1.25

1.25

1.25

1.25

Drainage Area

MATCH LINE SHEET C-22

PRE-DEVELOPMENT RUNOFF COEFFICIENT "C"

0.30

0.30

0.30

0.30

0.30

0.30

0.30

0.30

0.55

POST-DEVELOPMENT RUNOFF COEFFICIENT "C"

0.55

0.55

0.55

0.55

0.55

0.55

0.55

0.55

0.55

0.55

Drainage Area

DRAINAGE AREA TABLE

30

30

33

Existing Release (cfs)

 EX-N1
 Pond 1, Pond 2, DA-N5
 23.69
 33.13
 38.95
 48.25
 23.23
 32.07
 38.47
 48.21

 EX-N2, EX-N3
 Pond 3
 10.05
 14.06
 16.54
 20.49
 9.68
 13.64
 16.30
 20.47

 EX-S1, EX-S2, EX-S3
 Pond 4, Pond 5, DA-S4
 29.43
 41.17
 48.41
 59.98
 29.13
 40.64
 48.73
 59.93

TIME OF RAINFALL INTENSITY (minutes) "100 (in/hr)

5.62

5.62

5.26

5.53

7.86

7.86

7.27

5.36

3.93

2-yr 10-yr 25-yr 100-yr 2-yr 10-yr 25-yr 100-yr

PRE-DEVELOPMENT RUNOFF
Q100 (cfs) POST-DEVELOPMENT RUNOFF
Q100 (cfs) Q100 (cfs)

18.95

23.26

13.97

18.63

60.74

80.69

10.88

12.96

18.97

6.21

36.42

10.99

33.12

80.69

65.86

Proposed Release (cfs)





### DRAINAGE DESIGN CRITERIA

C = RUNOFF COEFFICIENT = 0.45 (1 ACRE+ RESIDEN

I = B / (TC + D)^E E = 0.73702 B = 86.709

A = DRAINAGE AREA IN ACRES

# DRAINAGE GENERAL NOTES

CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATOR EXISTING UTILITIES PRIOR TO CONSTRUCTION.

ALL STORM DRAIN LINES SHALL BE RCP, CLASS III UNLESS OTHERW NOTED.

COLLECTION POINT

DETENTION POND 1

DETENTION POND 2

CULVERT C, DET. POND 3

DETENTION POND 3

BYPASS, REID BRANCH TRIBUTARY

CULVERT E, DET. POND 4

**DETENTION POND 4** 

REID BRANCH

EX CULVERT A

EX CULVERT B

Kimley»Horn

DRAINAGE AREA MAP (1 OF 2)

HENDRICK FARM CITY OF LUCAS COLLIN COUNTY, TEXAS

BM#3 SQUARE WITH "X" CUT SET ON CONCRE' HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F. NO 1378), ±240 FEET NORTH FROM THE CENTERLIN INTERSECTION OF COUNTRY CLUB ROAD AND SKYVIE DRIVE.

SHEET NUMBER C-21

### **BENCHMARKS**

ELEVATIONS BASED ON CITY OF ALLEN GPS CONTROL BM#1 (CITY OF ALLEN MONUMENT NO. 2): 3-1/2-INC ALUMINUM DISC FOUND IN CONCRETE, LOCATED :38 FEET EAST FROM THE INTERSECTION OF MAIN STREE AND RICHARDSON COURT, ±16 FEET FROM TH NORTHEAST CORNER OF A BRIDGE.

BM#2 SQUARE WITH "X" CUT SET ON CONCRETE HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F.M. NO. 1378), AT THE INTERSECTION OF COUNTRY CLUE ROAD AND ESTATES PARKWAY (F.M. NO. 2170).

ELEV= 589.81



SHEET NUMBER

CITY OF LUCAS LIN COUNTY, TEXAS

C-22

113285

DRAINAGE AREA MAP (2 OF 2)

EX-N1 27.53 acres 36.0 minutes 0.35 5.01 in/hr

Proposed C	onditions to Pond	8	ypass
Drainage Area	DA-N5 East, N2	Drainage Area	DA-N5 Bypass
Area	10.61 acres	Area	10.9 acres
Time (T <sub>c</sub> )	32.3 minutes	Time (T <sub>c</sub> )	31.3 minute:
C value	0.55	C value	0.55
I <sub>100</sub>	5.33 in/hr	100	5.43 in/hr
Q <sub>100</sub>	31.12 cfs	Q <sub>m</sub>	32.55 cfs

0.70	cfs	Allowable	Release
	-6-	Actual Dal	

	10,56	cfs	Actual Releas	e					
Runoff per \$to	rm Event	Developed				Inflow per Sto	rm Event		
Time (min.)	I <sub>100</sub>	C value	Area (ac)	Runoff (cfs)	1	Storm Event	Runoff (cfs)	Inflow (ft	-
10	9.48	0.55	10.61	55.32		10	55.32	33,192	
15	7.96	0.55	10.61	46,45		15	46.45	41,806	
20	6.92	0.55	10.61	40.37		20	40.37	48,439	
30	5.56	0.55	10.61	32.45		30	32 45	58,415	
40	4.71	0.55	10.61	27.46		40	27 46	65,903	
50	4.11	0.55	10.61	23.98		50	23.98	71,946	
60	3.67	0.55	10,61	21.40		60	21.40	77,044	
70	3 32	0.55	10.61	19.40		70	19.40	81,475	
80	3.05	0.55	10.61	17.79		80	17.79	85,408	
90	2.82	0.55	10.61	16.47		90	16.47	88,956	
100	2.53	0.55	10.61	15.37		100	15.37	92,194	
110	2.47	0.55	10.61	14.42		110	14.42	95,180	
120	2.33	0.55	10.61	13.60		120	13.60	97,954	
130	2.21	0.55	10.61	12.89		130	12.89	100,548	
140	2.10	0.55	10.61	12.26		140	12.26	102,988	
150	2.00	0.55	10,61	11,70		150	11.70	105,294	
160	1.92	0.55	10.61	11.20		160	11.20	107,481	
180	1.77	0.55	10.61	10.33		180	10.33	111,551	
360	1.09	0.55	10.61	6.38		360	6.38	137.851	
720	0.67	0.55	10,61	3,91		720	3.91	169,045	
1440	0.41	0.55	10.61	2.39		1440	2.39	206,483	
Outflow per St	orm Event				Detention	Volume			
Storm	Time	Release	Outflow (fill)	-	Storm	Inflow	Outlow	Storage (ft )	• 5
10	42.3	10.56	13,406		10	33,192	13,406	19,787	
15	47.3	10.56	14,990		15	41,806	14,990	26,615	
20	52.3	10.56	16,575		20	48,439	16,575	31,864	
30	62.3	10.56	19,744		30	58,415	19,744	38,671	
40	72.3	10.56	22,913		40	65,903	22,913	42,990	
50	82.3	10.56	26,083		50	71,946	26,083	45,864	
60	92.3	10.56	29,252		60	77,044	29,252	47,793	
70	102.3	10.56	32,421		70	81,475	32,421	49,054	
80	112.3	10.56	35,590		80	85,408	35,590	49,818	
90	122.3	10.56	38,759		90	88,956	38,759	50,196	
100	132.3	10.56	41,929		100	92,194	41,929	50,266	<== Controls 1.15 ac-ft
110	142.3	10.56	45,098		110	95,180	45,098	50,082	
120	152.3	10.56	48,267		120	97,954	48,267	49,687	
130	152.3	10.56	51,436		130	100,548	51,436	49,112	
140	172.3	10.56	54,505		140	102,988	54,605	48,383	
150	182.3	10.56	57,775		150	105,294	57,775	47,519	
160	192.3	10.56	60,944		160	107,481	60,944	46,537	
180	212.3	10.56	67,282		180	111,551	67,282	44,269	
360	392.3	10.56	124,328		360	137,851	124,328	13,523	
720	752.3	10.56	238,419		720	169,045	238,419	(69,374)	

Drainage / Detention Calculations for Pond 5
Mariford Delignal Mathed

Existi	ng Conditions
Drainage Area	EX-S1, EX-S2, EX-S3
Area	34.61 acres
Time (T <sub>c</sub> )	36.7 minutes
C value	0.35
I <sub>100</sub>	4.95 in/hr
Qua	59.98 cfs

Proposed C	onditions to Pond		Bypass
Drainage Area	DA-S1	Drainage A	DA-S4
Area	12.49 acres	Area	16,48 acres
Time (T <sub>c</sub> )	24.4 minutes	Time (T <sub>p</sub> )	32.7 minutes
C value	0.55	C value	0.55
I <sub>100</sub>	6.23 in/hr	1100	5.29 in/hr
Q <sub>sm</sub>	42 81 cfs	O	47 99 cfs

### Allowable Release Actual Release 7.22 cfs 7.17 cfs

moff per Sto	III EAGUE.	Developen			Inflow per Stor	III Evelit	
Time (min.)	I <sub>100</sub>	C value	Area (ac)	Runoff (cfs)	Storm Event	Runoff (cfs)	Inflow (ft <sup>3</sup> )
10	9.48	0.55	12.49	65.12	10	65.12	39,07
15	7.96	0.55	12.49	54.68	15	54.68	49,21
20	6.92	0.55	12.49	47.52	20	47.52	57,02
30	5.56	0.55	12.49	38.20	30	38.20	68,76
40	4.71	0.55	12.49	32.33	40	32.33	77,58
50	4.11	0.55	12.49	28.23	50	28.23	84,69
60	3.67	0.55	12.49	25.19	60	25.19	90,69
70	3.32	0.55	12.49	22.84	70	22.84	95,91
80	3.05	0.55	12.49	20.95	80	20.95	100,54
90	2.82	0.55	12.49	19.39	90	19.39	104,71
100	2.63	0.55	12.49	18.09	100	18.09	108,53
110	2.47	0.55	12.49	16.98	110	16.98	112,04
120	2.33	0.55	12.49	16.02	120	15.02	115,31
130	2.21	0.55	12.49	15.17	130	15,17	118,36
140	2.10	0.55	12.49	14.43	140	14,43	121.23
150	2.00	0,55	12.49	13.77	150	13.77	123,95
160	1.92	0.55	12.49	13,18	160	13,18	126,52
180	1.77	0.55	12.49	12.18	180	12.16	131,31
360	1.09	0.55	12.49	7.51	360	7.51	162,27
720	0.67	0.55	12.49	4.61	720	4.61	198,99
1440	0.41	0.55	12.49	2.81	1440	2.81	243,07

Outflow per	Storm Event			Detention Vol	lume			
Storm	Time	Release	Outflow (ft <sup>*</sup> )	Storm	Inflow	Outflow	Storage (II	
10	34.4	7.17	7,394	10	39,074	7,394	31,679	
15	39.4	7.17	8,469	15	49,213	8,469	40,744	
20	44.4	7.17	9,544	20	57,022	9,544	47,478	
30	54.4	7.17	11,693	30	68,765	11,693	57,072	
40	64.4	7.17	13,843	40	77,580	13,843	63,738	
50	74.4	7.17	15,992	50	84,694	15,992	68,702	
60	84.4	7.17	18,142	60	90,595	18.142	72,554	
70	94.4	7.17	20,291	70	95,912	20,291	75,621	
80	104,4	7.17	22,441	80	100,542	22,441	78,101	
90	114.4	7.17	24,590	90	104,718	24,590	80,127	
100	124.4	7.17	26,740	100	108,530	26,740	81,790	
110	134.4	7.17	28,889	110	112,045	28,889	83,155	
120	144.4	7.17	31,039	120	115,310	31,039	84,272	
130	154.4	7,17	33,188	130	118,365	33,188	85,176	
140	164.4	7.17	35,338	140	121,237	35.338	85,899	
150	174,4	7.17	37,487	150	123,951	37,487	86,464	
160	184.4	7.17	39,637	160	126,526	39,637	86,889	<== Controls 1.99 ac-ft
180	204.4	7.17	43,936	180	131,317	43,936	87,382	
360	384.4	7.17	82.627	360	162,277	82,527	79,650	
720	744.4	7 17	160,009	720	198,999	160,009	38,990	
1440	1464.4	7 17	314,773	1440	243,070	314,773	(71,703)	

Drainage / Detention Calculations for Pond 3 Modified Rational Method 100-Year Event

Conditions
EX-N2, EX-N3
11.88 acres
37.0 minutes
0.35
4.93 in/hr
20.49 cfs

Proposed C	onditions to Pond		ypass
Drainage Area	DA-N3, DA-N4	Drainage Area	
Area	13.38 acres	Area	0 acres
Time (T <sub>c</sub> )	34.0 minutes	Time (T <sub>c</sub> )	0.0 minutes
C value	0.55	C value	0.00
i <sub>100</sub>	5.18 in/hr	J <sub>100</sub>	16.86 in/hr
Q <sub>100</sub>	38.10 cfs	Q <sub>100</sub>	0,00 cfs

	34,0 minutes	Time (T <sub>c</sub> )	0.0 minu
	0.55	C value	0.00
	5.18 in/hr	J <sub>100</sub>	16.86 in/hr
	38.10 cfs	Q <sub>100</sub>	0,00 cfs
Т			

Time (min.)	1100	C value	Area (sc)	Runoff (cfs)		Storm Event	Runoff (cfs)	Inflow (ft <sup>3</sup> )	
10	9.48	0.55	13.38	69.76		10	69.76	41,858	
15	7.96	0.55	13.38	58,58		15	58.58	52,720	
20	6.92	0.55	13.38	50.90		20	50.90	61,085	
30	5.56	0.55	13.38	40.93		30	40,93	73,665	
40	4.71	0.55	13.38	34.63		40	34.63	83,109	
50	4.11	0.55	13.38	30.24		50	30.24	90,729	
60	3.67	0.55	13,38	26.99		60	26.99	97,159	
70	3.32	0.55	13,38	24.46		70	24.46	102,746	
80	3.05	0.55	13.38	22.44		80	22 44	107,706	
90	2.82	0.55	13.38	20.77		90	20.77	112,180	
100	2.63	0.55	13.38	19.38		100	19.38	116,254	
110	2,47	0.55	13.38	18.19		110	18.19	120,029	
120	2.33	0.55	13.38	17.16		120	17,16	123,527	
130	2.21	0.55	13.38	16.26		130	16.26	126,799	
140	2.10	0.55	13.38	15.46		140	15.46	129,876	
150	2.00	0.55	13.38	14.75		150	14.75	132,783	
160	1.92	0.55	13.38	14.12		160	14.12	135,542	
180	1.77	0.55	13.38	13.03		180	13.03	140,675	
360	1.09	0.55	13.38	8.05		360	8.05	173,840	
720	0.67	0,55	13.38	4.93		720	4.93	213,179	
1440	0.41	0.55	1,3.38	3.01		1440	3.01	260,390	
atflow per St	orm Event				Detention V	olume			
Storm	Time	Release	Outflow (*)	50 3	Starm	Inflow	Outlow	Storage (ft	50
10	44.0	20.47	27,020		10	41,858	27,020	14,838	
15	49.0	20.47	30,091		15	52,720	30,091	22,629	
20	54.0	20.47	33,161		20	61,085	33,161	27,924	
30	64.0	20.47	39,302		30	73,665	39,302	34,363	
40	74.0	20.47	45,443		40	83,109	45,443	37,665	
50	64.D	20.47	51,584		50	90,729	51,5B4	39,145	
50	94.0	20.47	57,725		60	97,159	57,725		<== Controls 0.91 ac
70	104.0	20.47	63,866		70	102,746	83,866	38,880	
80	114.0	20.47	70,007		80	107,706	70,007	37,699	
90	124.0	20.47	76,148		90	112,180	76,148	36,031	
100	134.0	20.47	82,289		100	116,264	82,289	33,974	
	144.0	20.47	88,430		110	120,029	88,430	31,598	
110	154.0	20.47	94,571		120	123,527	94,571	28,956	
110 120		20.47	100,712		130	126,799	100,712	26,087	
120 130	164.0	20.47	106,853		140	129,876	106,853	23,023	
120 130 140	174.0		112,994		150	132,783	112,994	19,789	
120 130 140 150	174.0 184,0	20.47				135,542	119,135	16,406	
120 130 140	174.0		119,135		160	100,042			
120 130 140 150	174.0 184,0	20.47			160 180	140,675	131,417	9,257	
120 130 140 150 160 180	174.0 184,0 194.0 214.0	20.47 20.47 20.47	119,135 131,417		180	140,675	131,417	9,257	
120 130 140 150 160	174,0 184,0 194.0	20.47 20.47	119,135						

				Deten	tion Pond	1 - Outfall	Structure Su	immary				
Design Storm Elevat	Claumtin a	Opening #1				Opening #2	:	Opening #3			Total	
	Elevation	Weir	Orifice	Actual	Weir	Orifice	Actual	Weir	Orifice	Actual	Actual	Max
2-year	587.70	2.3	3.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.32	3.65
10-уеаг	587.93	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.58	4.23
25-year	588.10	4.6	3.9	3.9	0.2	0.0	0.2	0.0	0.0	0.0	4.12	4.76
100Lyear	588 34	6.7	3.8	3.8	1.7	1.4	1.2	0.0	nn	0.0	5.00	S 14

				Deten	tion Pand	2 - Outfall :	Structure So	mmary				
Design	Elevation		Opening #1			Opening #2	2	-	Opening #3		To	tal
Storm	Elevation	Weir	Orifice	Actual	Weir	Orifice	Actual	Weir	Orifice	Actual	Actual	Max
2-year	576.23	3.4	3.7	3.4	0.6	0.0	0.6	0.0	0.0	0.0	4.00	5.33
10-year	576.58	5.0	4.2	4.2	2.3	0.0	2.3	0.0	0.0	0.0	6.50	7.15
25-year	576.82	6.1	4.5	4.5	3.9	3.4	3.4	0.0	0.0	0.0	7.90	8.54
100-year	577.12	7.7	4.4	4.4	6.2	7.7	6.2	0.0	0.0	0.0	10.56	10.70

				Deten	tion Pond	3 - Outfall	Structure St	ımmary				
Design	Elevation	Opening #1			Opening #2			Opening #3			Total	
Storm	Elévation	Weir	Orifice	Actual	Welr	Orifice	Actual	Weir	Orifice	Actual	Actual	Max
2-year	587.55	9.7	16.7	9.7	0.0	0.0	0.0	0.0	0.0	0.0	9.68	10.05
10-year	587.95	13.6	18.7	13.6	0.0	0.0	0.0	0.0	0.0	0.0	13.64	14.06
25-year	588.14	15.7	19.6	15.7	0.6	0.0	0.6	0.0	0.0	0.0	16.30	16.54
100-year	588.44	19.1	17.0	17.0	3.5	4.2	3.5	0.0	0.0	0.0	20.47	20.49

				Deten	tion Pond	4 - Outfall	Structure St	ımmary				
Design	Elevation	Opening #1			Opening #2				Opening #3		Total	
Storm	cievacioni	Weir	Orifice	Actual	Weir	Orifice	Actual	Weir	Orifice	Actual	Actual	Max
2-year	575.78	4.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.19	2.37
10-year	576.23	5.8	2.4	2.4	0.4	0.0 .	0.4	0.0	0.0	0.0	2.88	3.25
25-year	576.41	6.5	2.5	2.5	1.0	1.2	1.0	0.0	0.0	0.0	3.59	3.76
100-year	576.68	7.7	2.5	2.5	2.2	2.5	2.2	0.0	0.0	0.0	4.77	4.82

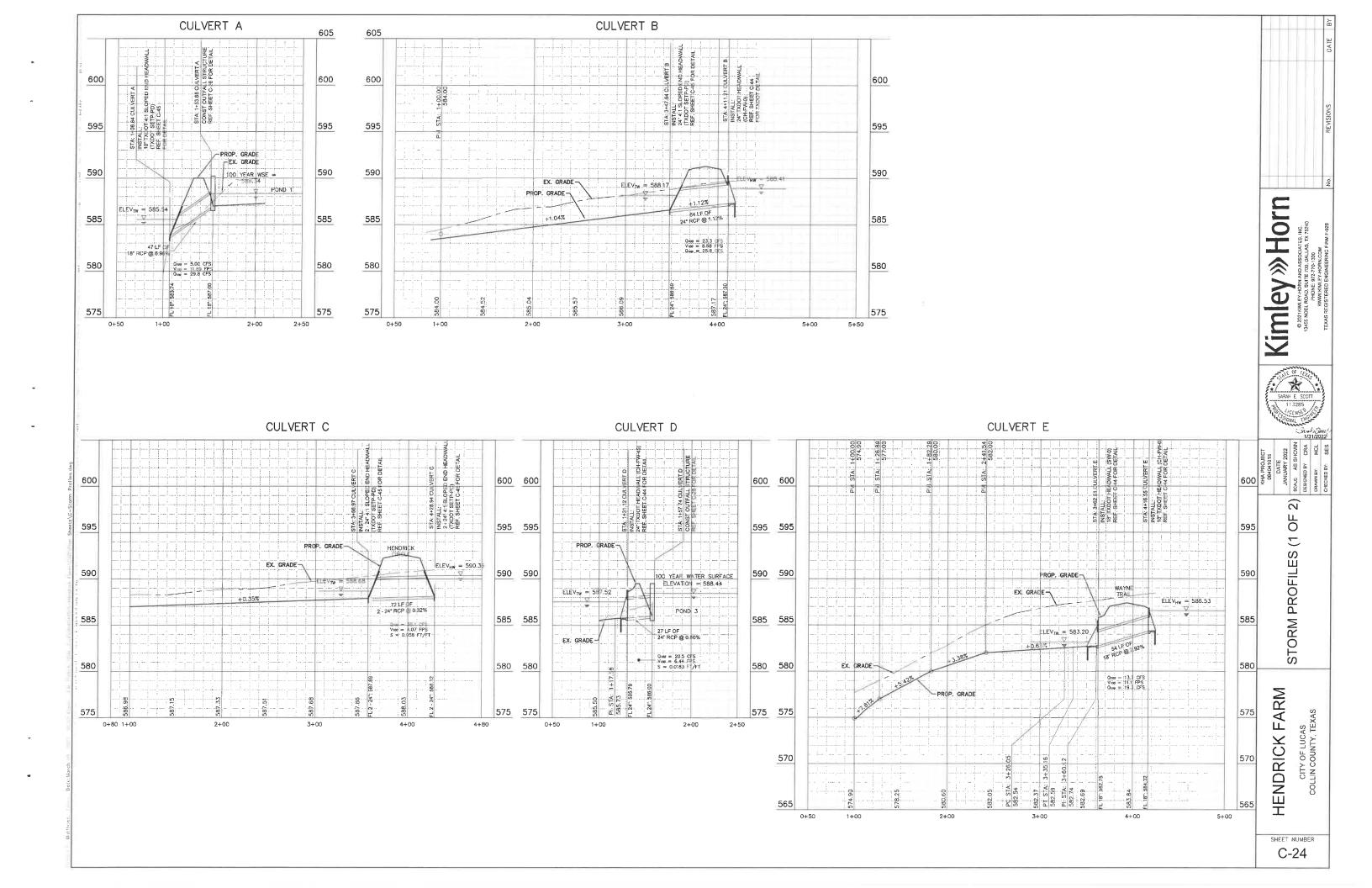
				Deten	tion Pond	5 - Outfall	Structure Su	mmary				
Design	Elevation	Opening #1			Opening #2			Opening #3			Total	
Storm	cievation	Weir	Orifice	Actual	Weir	Orifice	Actual	Weir	Orifice	Actual	Actual	Max
2-year	585.39	7.4	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.31	3.61
10-year	585.84	9.6	3.6	3.6	1.2	1.4	1.2	0.0	0.0	0.0	4.75	5.29
25-year	586.06	10.7	3.7	3.7	2.1	2.4	2.1	0.0	0.0	0.0	5.88	6.06
100-year	586.38	12.4	3.7	3.7	3.9	3.4	3.4	0.0	0.0	0.0	7.17	7.22

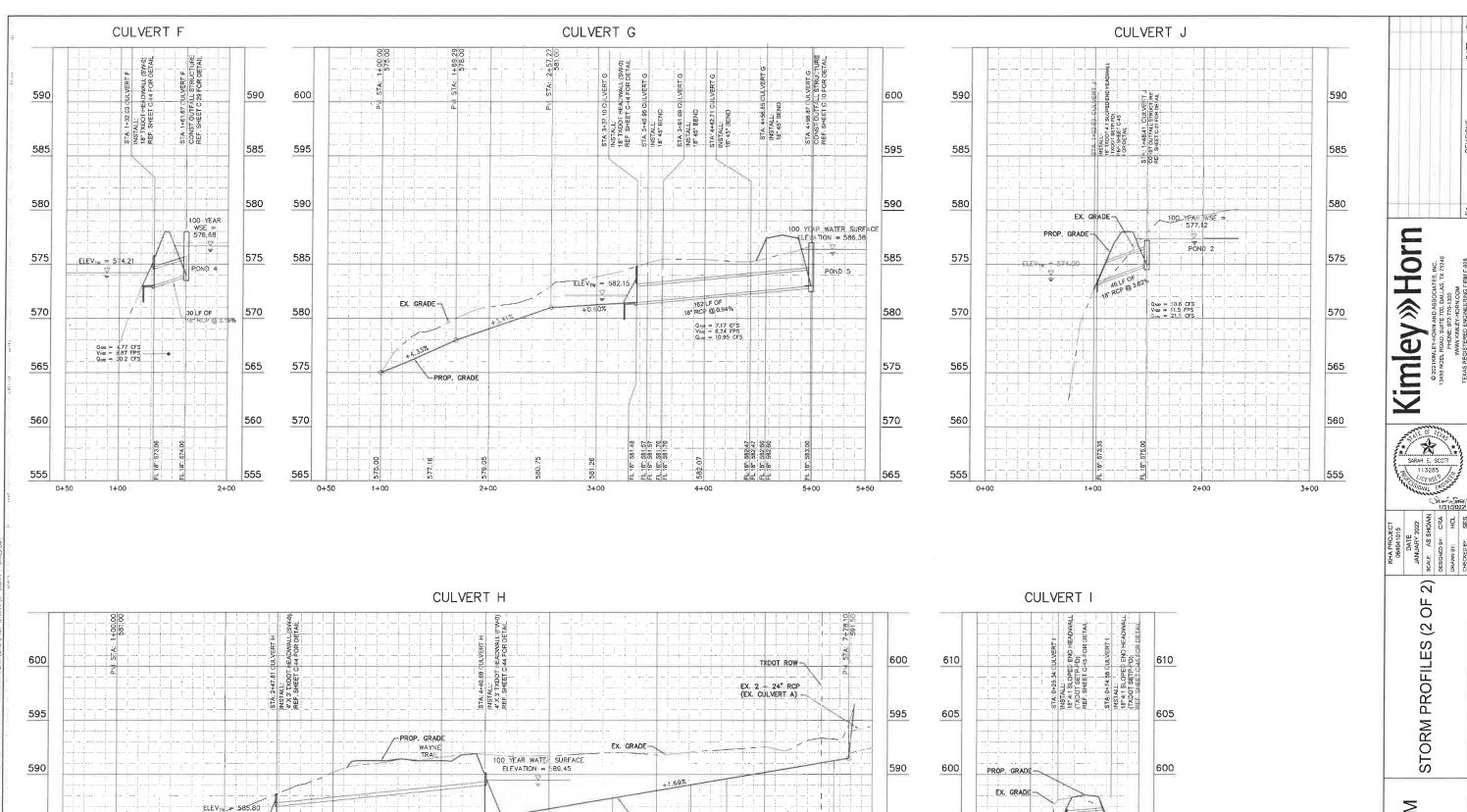
Kimley»Horn

DATE
JANUARY:
SCALE: AS S
DESIGNED 8Y:
DRAWN BY:

DRAINAGE CALCULATIONS

HENDRICK FARM CITY OF LUCAS LIN COUNTY, TEXAS





PROP. GRADE

6+00

7+00

193 LF OF 4' X 3' RCB @ 1 02%

4+00

5+00

585

580

575

8+00

595

590

585

-0+50

0+00

595

590

585

1+00

585

580

575

EX. GRADE

1+00

-PROP. GRADE

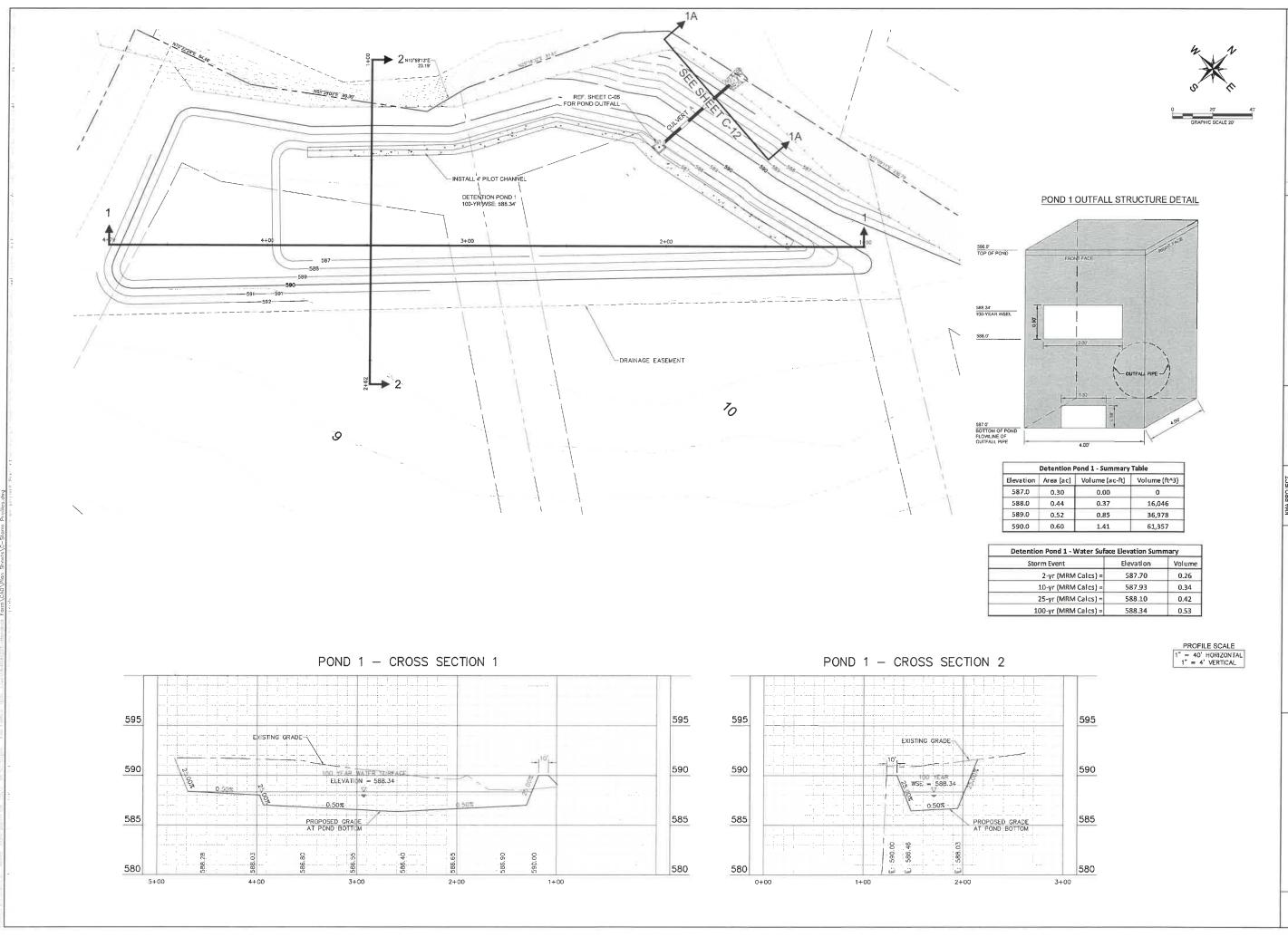
2+00

PC STA: 584.29

3+00

2 P STORM PROFILES (2

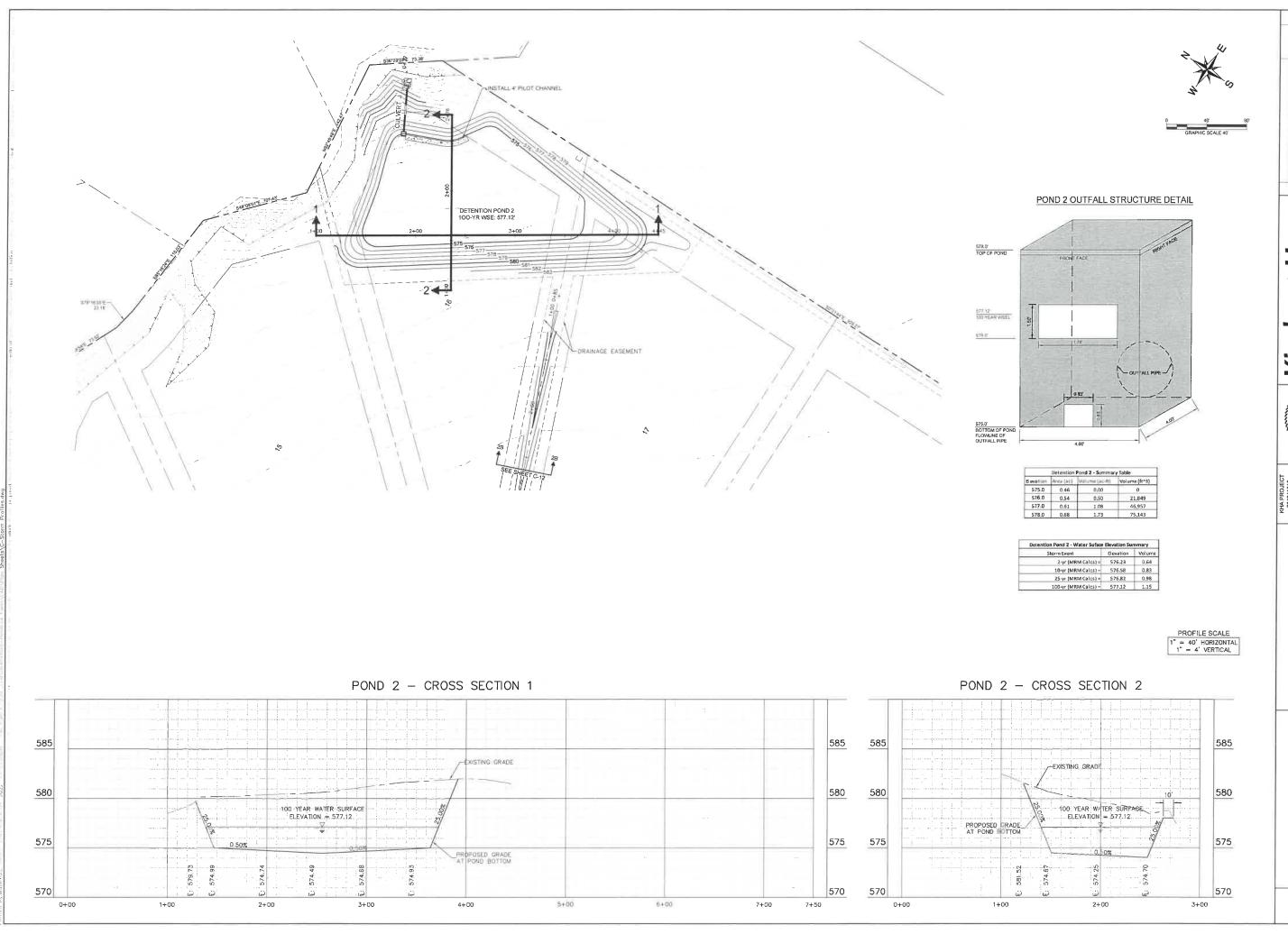
HENDRICK FARM



Kimley»Horn

DETENTION POND PLAN -POND 1

HENDRICK FARM



No. REVISIONS DA'

Kimley >>> Horn

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13465 HOEL ROAD, SURTE 700 ALLAS, TA 72240
PHONE, 972770-1300

SARAH E. SCOTT

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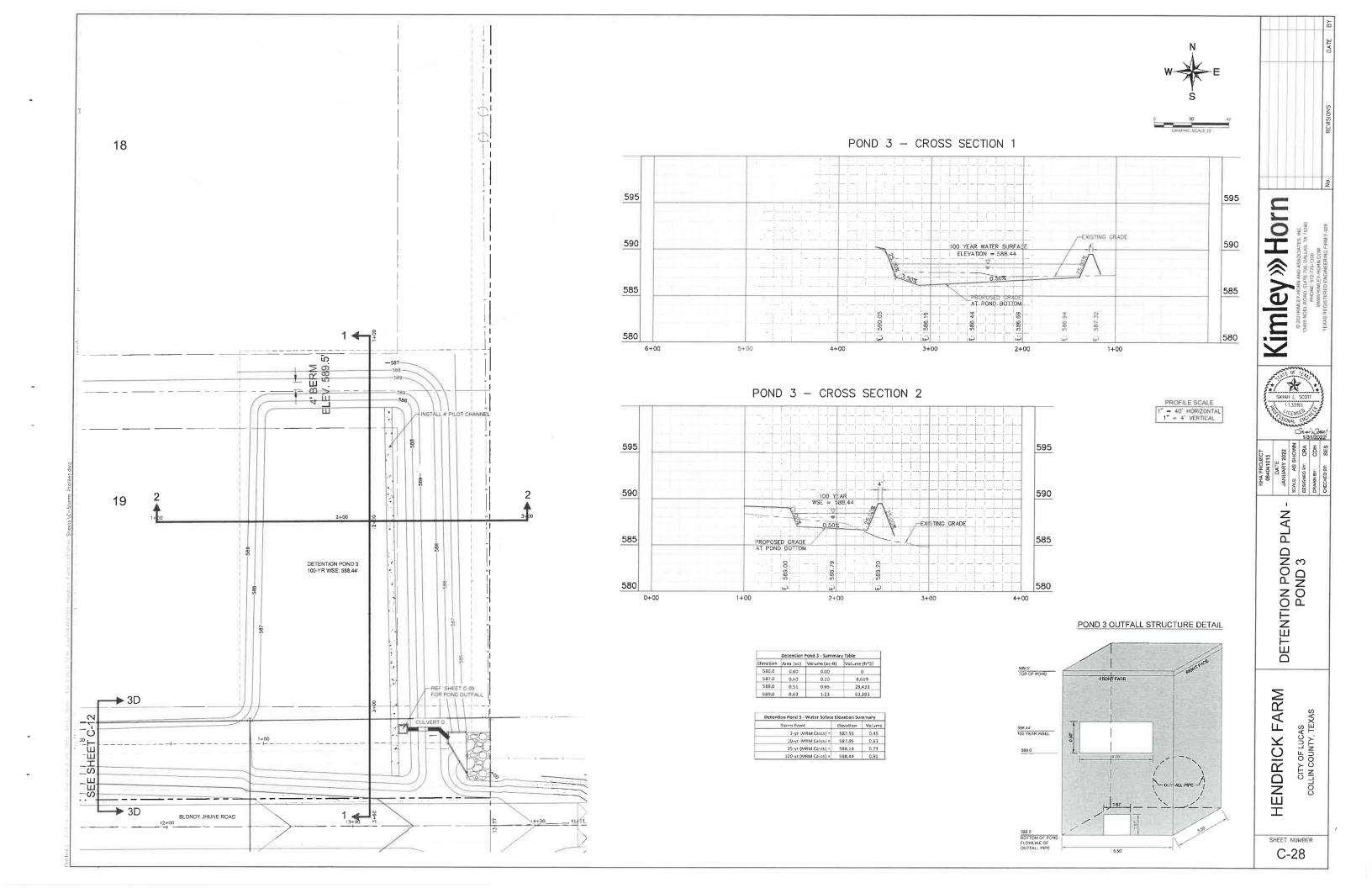
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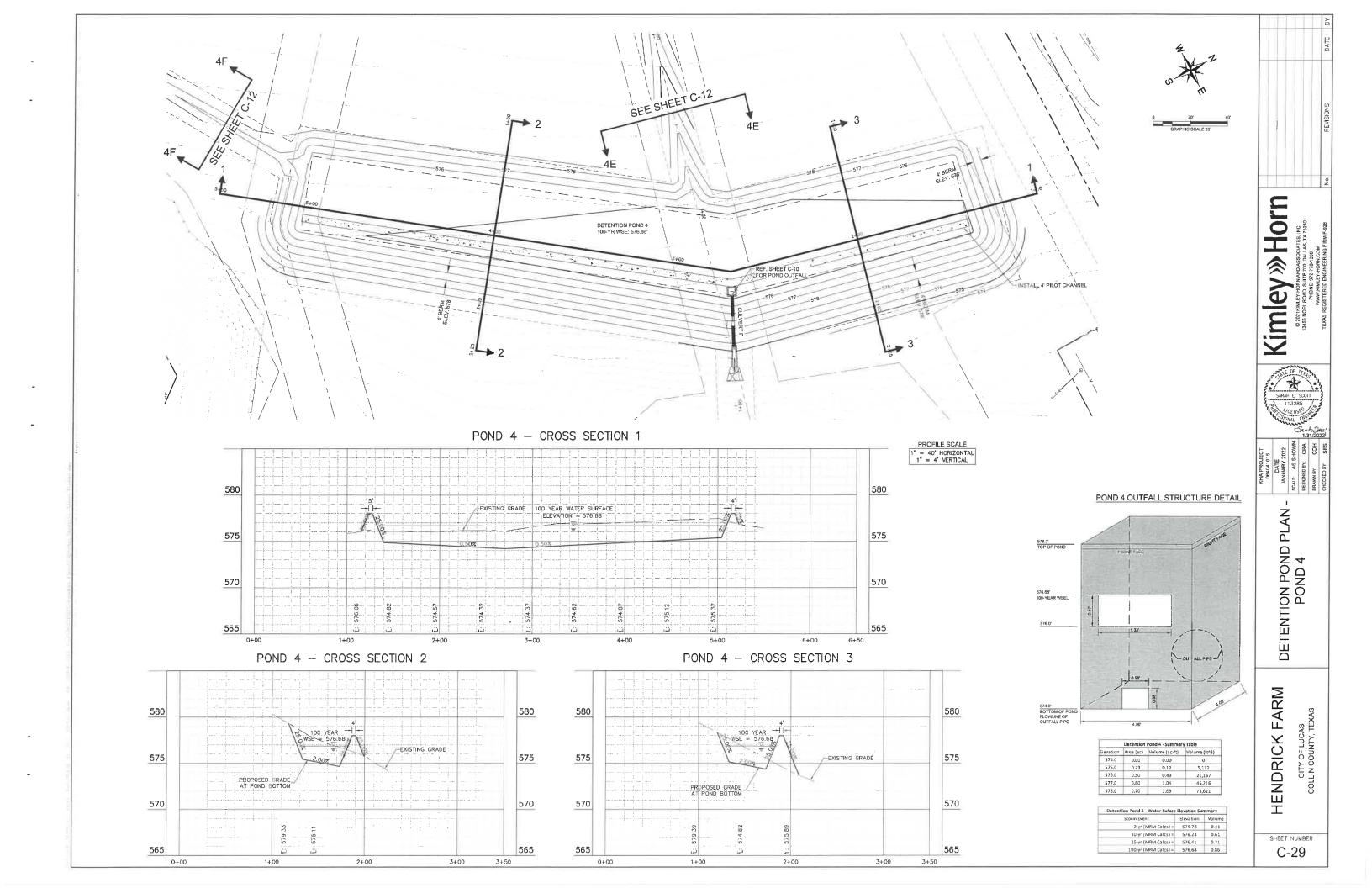
103/1/202

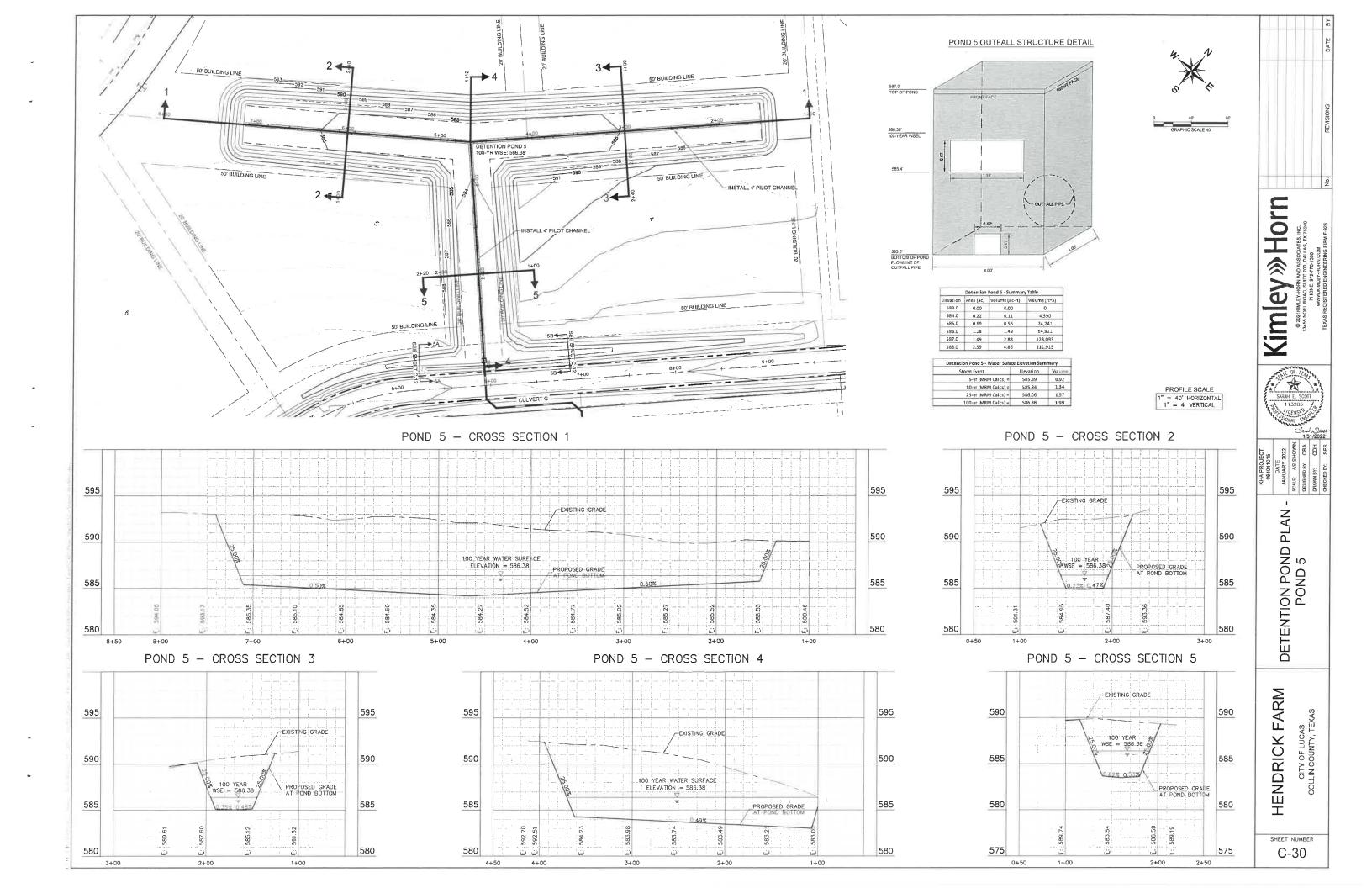
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DESIGNED BY: CRA

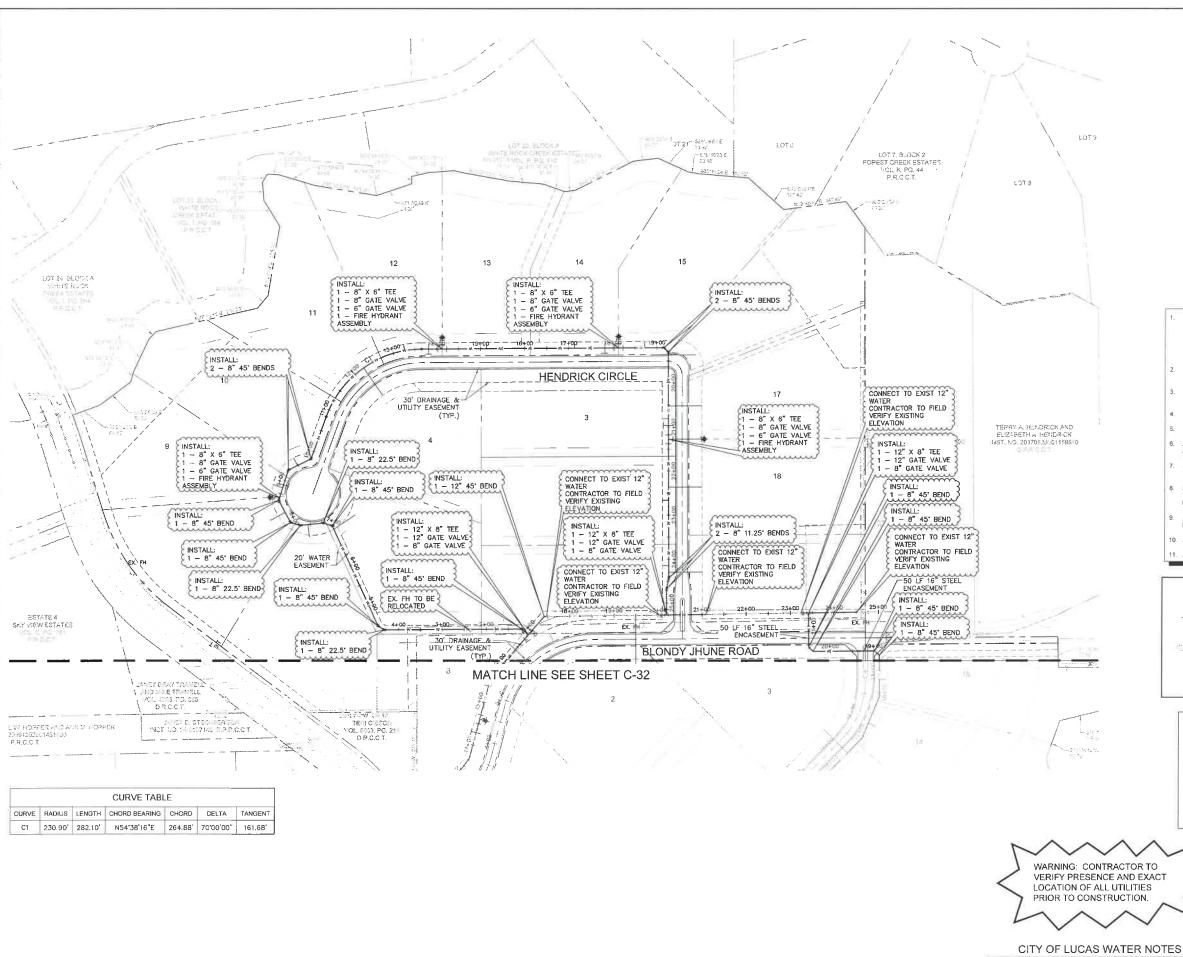
DETENTION POND PLAN -POND 2

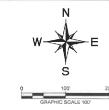
HENDRICK FARM
CITY OF LUCAS
COLLIN COUNTY, TEXAS









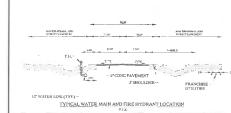


### UTILITY LEGEND



### WATER GENERAL NOTES

- FIRE HYDRANTS, VALVES, FITTINGS, ETC. SHOWN AS A GRAPHICAL REPRESENTATION ONLY. CONTRACTOR TO LOCATE AND CONSTRUCT THESE IMPROVEMENTS BASED ON THE CURRENT CITY/JURISDICTIONAL DESIGN STANDARDS AND DETAILS. CONTRACTOR TO NOTIFY ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 3. FIRE HYDRANT ASSEMBLY INCLUDES ALL FITTINGS, TEES AND VALVES.
- 4. ALL FIRE HYDRANTS TO BE LOCATED AT LOT LINES.
- 5 ALL WATERLINES ARE 8" UNLESS OTHERWISE NOTED
- ALL WATERLINE CURVES ARE CONCENTRIC AND PARALLEL TO THE STREET CENTERLINES UNLESS OTHERWISE NOTED.
- ADJUSTED SERVICES DUE TO CONFLICTS (I.E. MANHOLES, INLETS TRENCH CONFLICTS OR NON-STANDARD PLACEMENT) = \*\*
- PUBLIC IMPROVEMENTS WITHIN THE R.O.W. SHALL ADHERE TO THE CITY GENERAL NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGHOUT THE PLANSET.
- ALL FIRE HYDRANTS TO WATEROUS, PER CITY OF LUCAS REQUIREMENTS.
- 10. ALL BRASS TO BE FORD, PER CITY OF LUCAS REQUIREMENTS.
- 1. ALL SERVICES TO BE PVC, PER CITY OF LUCAS REQUIREMENTS.



1/2 LOT WIDTH 30 DRAINAGE UTILITY, AND SIDEWALK FASEMENT TYP. SERVICE LAYOUT

VERIFY PRESENCE AND EXACT

- FIRE HYDRANTS SHALL BE OF THE NATIONAL STANDARD TYPE.
- A 3-FOOT (914 MM) CLEAR SPACE SHALL BE MAINTAINED AROUNE THE CIRCUMFERENCE OF FIRE HYDRANTS EXCEPT AS OTHERWIS REQUIRED OR APPROVED.

# **BENCHMARKS**

# ELEVATIONS BASED ON CITY OF ALLEN GPS CONTROL BM#1 (CITY OF ALLEN MONUMENT NO. 2) 3-1/2-IN ALUMINUM DISC FOUND IN CONCRETE, LOCATED ±3 FREET EAST FROM THE INTERSECTION OF MAIN STRE AND RICHARDSON COURT, ±16 FEET FROM T NORTHEAST CORNER OF A BRIDGE

# ELEV= 647.13

### ELEV= 587.52

BM#3 SQUARE WITH "X" CUT SET ON CONCRET HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F I NO. 1378) ±240 FEET NORTH FROM THE CENTERLIN INTERSECTION OF COUNTRY CLUB ROAD AND SKYVIE

SHEET NUMBER C-31

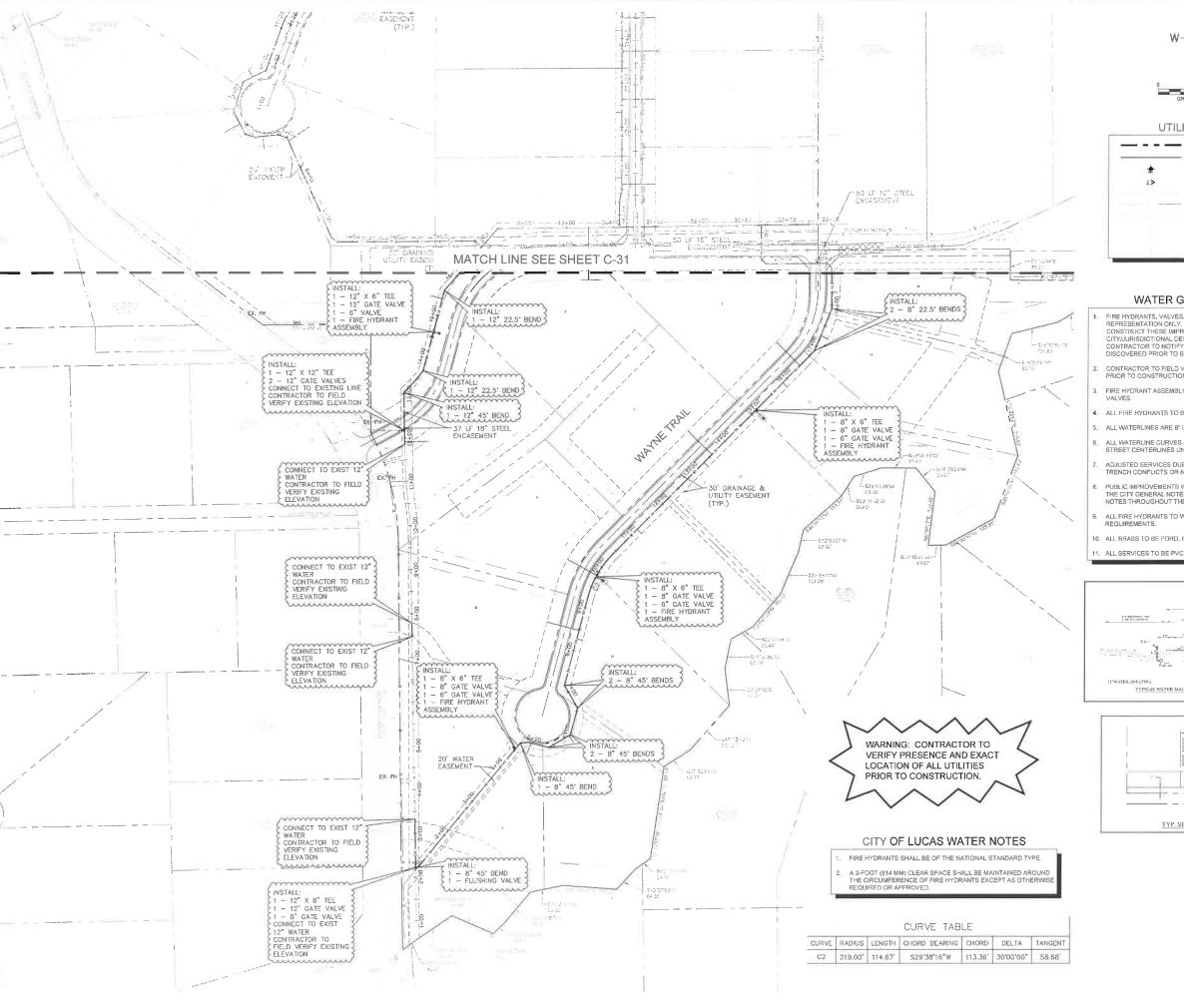
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5 OF  $\Box$ PLAN

WATER

FARM CITY OF LUCAS LLIN COUNTY, TEXAS HENDRICK



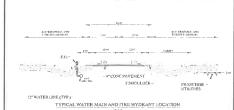


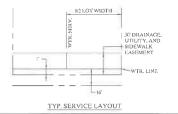
### UTILITY LEGEND



### WATER GENERAL NOTES

- FIRE HYDRANTS, VALVES, FITTINGS, ETC. SHOWN AS A GRAPHICAL REPRESENTATION ONLY. CONTRACTOR TO LOCATE AND CONSTRUCT THESE IMPROVEMENTS BASED ON THE CURRENT CITYJURISDICTIONAL DESIGN STANDARDS AND DETAILS. CONTRACTOR TO NOTIFY ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- FIRE HYDRANT ASSEMBLY INCLUDES ALL FITTINGS, TEES AND
- ALL FIRE HYDRANTS TO BE LOCATED AT LOT LINES.
- 5. ALL WATERLINES ARE 8" UNLESS OTHERWISE NOTED.
- ALL WATERLINE CURVES ARE CONCENTRIC AND PARALLEL TO THE STREET CENTERLINES UNLESS OTHERWISE NOTED.
- ADJUSTED SERVICES DUE TO CONFLICTS (I.E. MANHOLES, INLETS TRENCH CONFLICTS OR NON-STANDARD PLACEMENT) =  $\frac{1}{3}$
- PUBLIC IMPROVEMENTS WITHIN THE R.O.W. SHALL ADHERE TO THE CITY GENERAL NOTES WHEN IN CONTRADICTION TO PRIVATE NOTES THROUGHOUT THE PLANSET.
- ALL FIRE HYDRANTS TO WATEROUS, PER CITY OF LUCAS REQUIREMENTS.
- 10. ALL BRASS TO BE FORD, PER CITY OF LUCAS REQUIREMENTS.
- ALL SERVICES TO BE PVC, PER CITY OF LUCAS REQUIREMENTS





### **BENCHMARKS**

# BM#1 (CITY OF ALLEN MONUMENT NO. 2; 3-1/2-ALUMINUM DISC FOUND IN CONCRETE, LOCATED FEET EAST FROM THE INTERSECTION OF MAIN STI AND RICHARDSON COURT, 216 FEET FROM NORTHEAST CORNER OF A BRIDGE

### ELEV= 647 13

BM#2 SQUARE WITH "X" CUT SET ON CONCRI-HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (I NO. 1378), AT THE INTERSECTION OF COUNTRY CI ROAD AND ESTATES PARKWAY (F.M. NO. 2170).

C-32

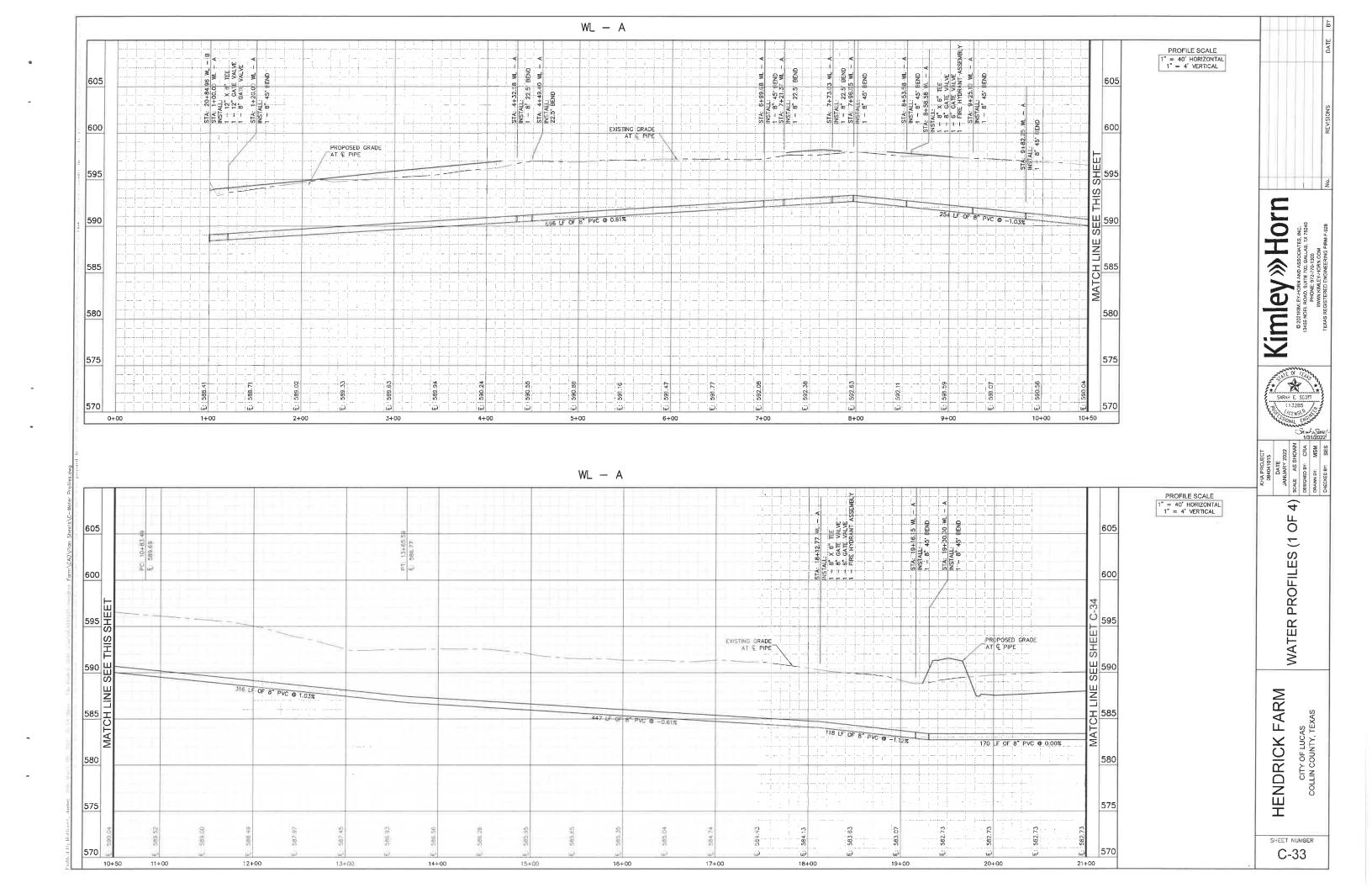
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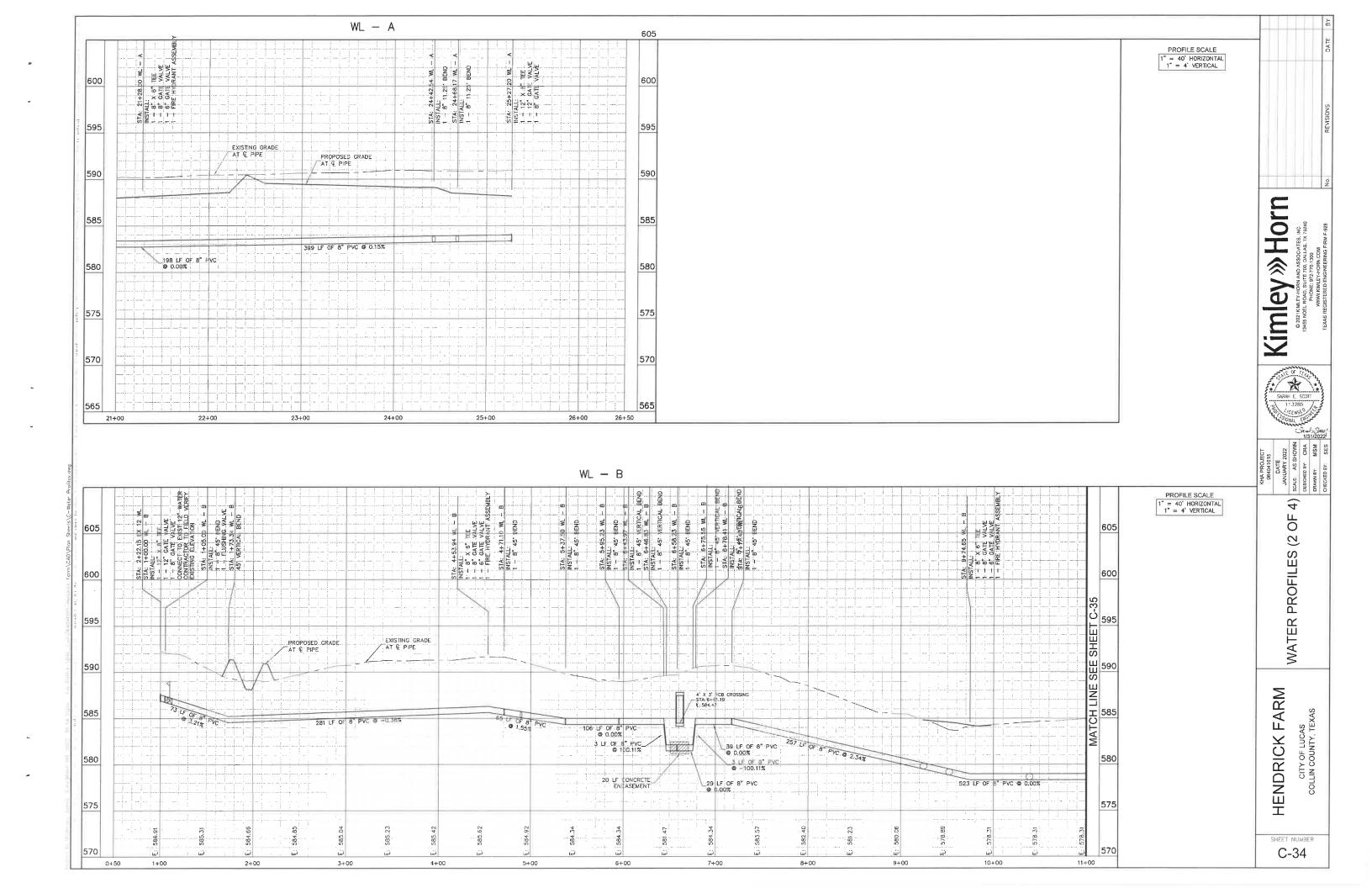
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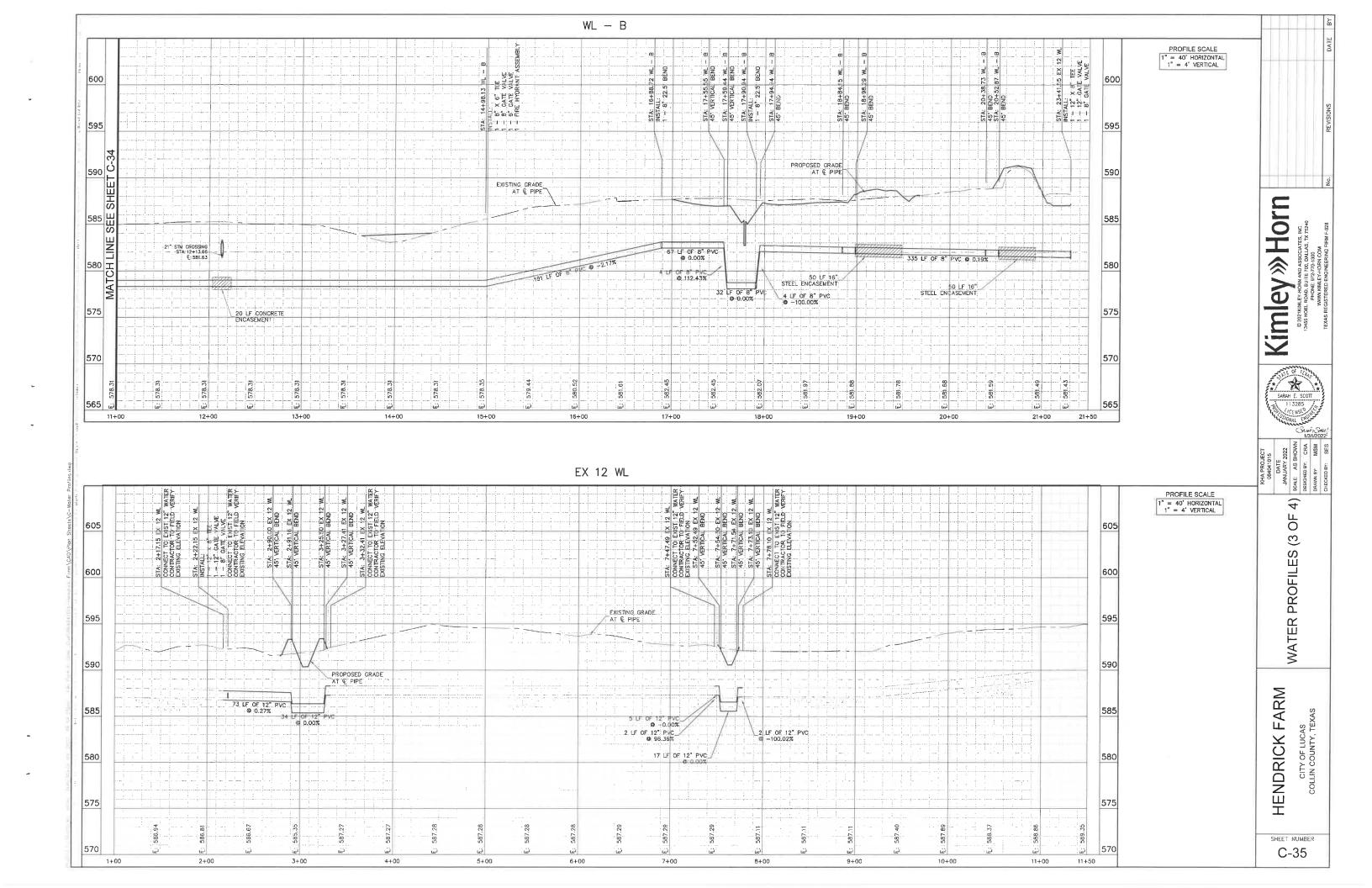
2 0  $\Im$ **WATER PLAN** 

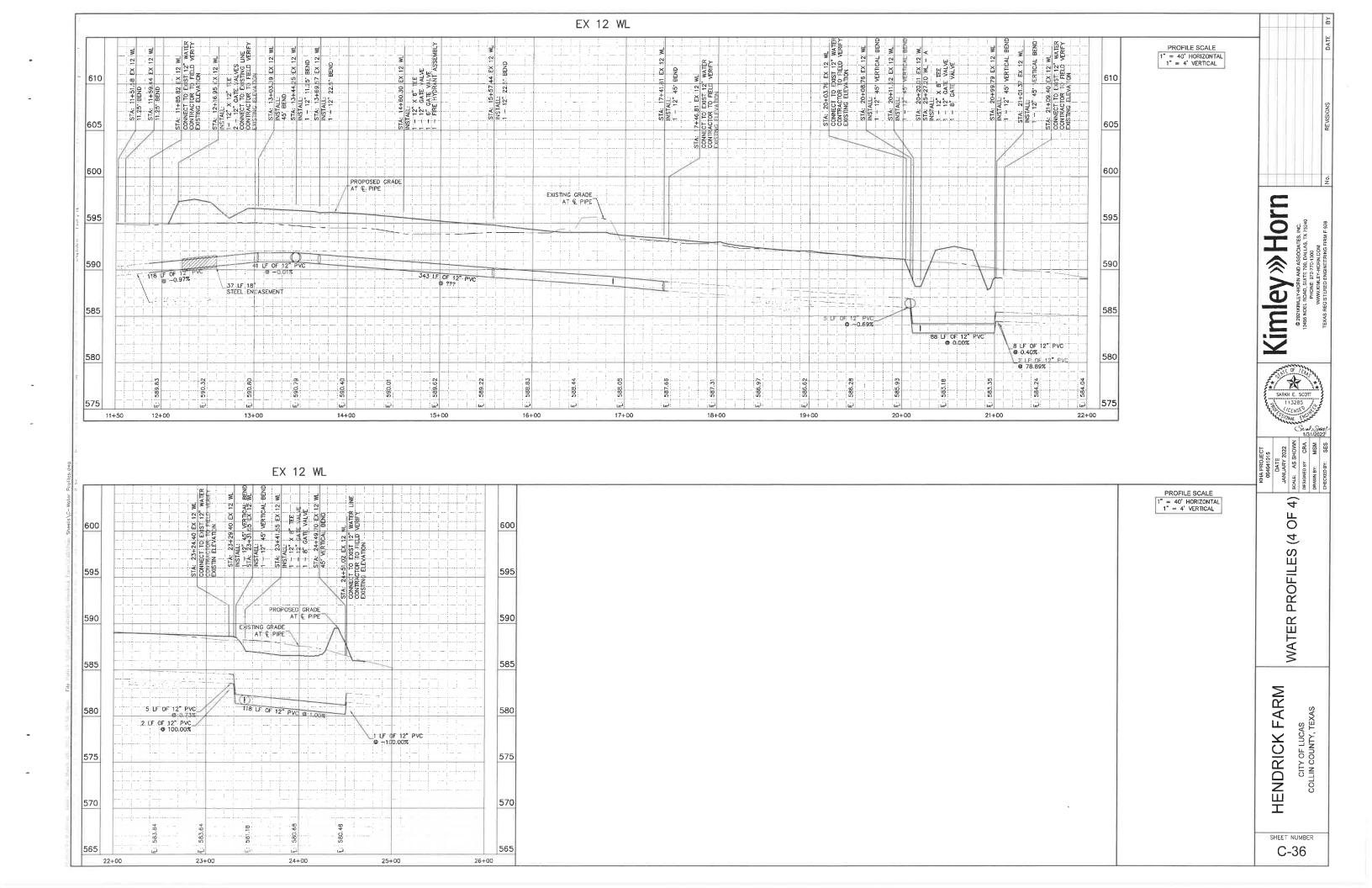
FARM HENDRICK

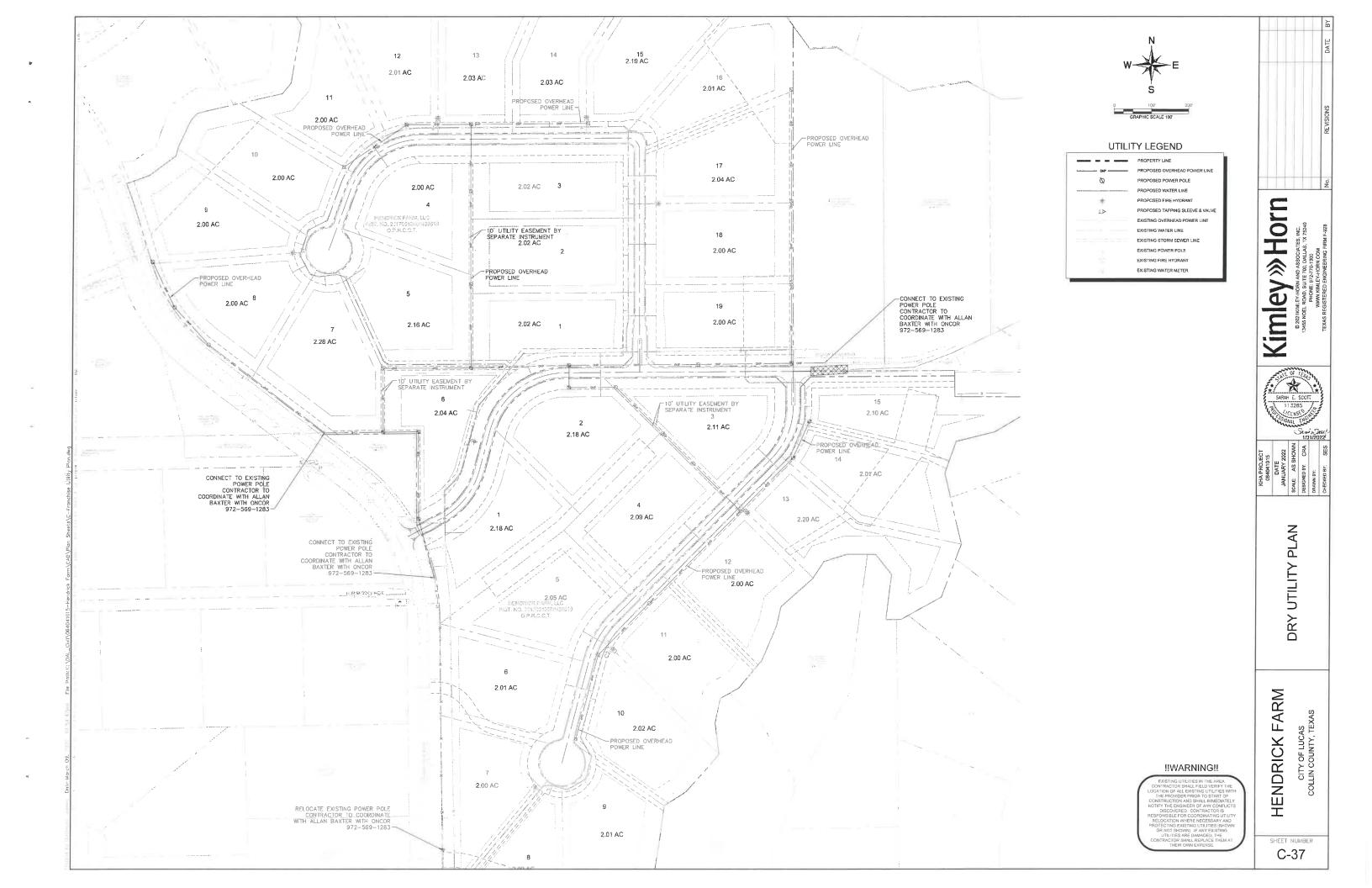
CITY OF LUCA

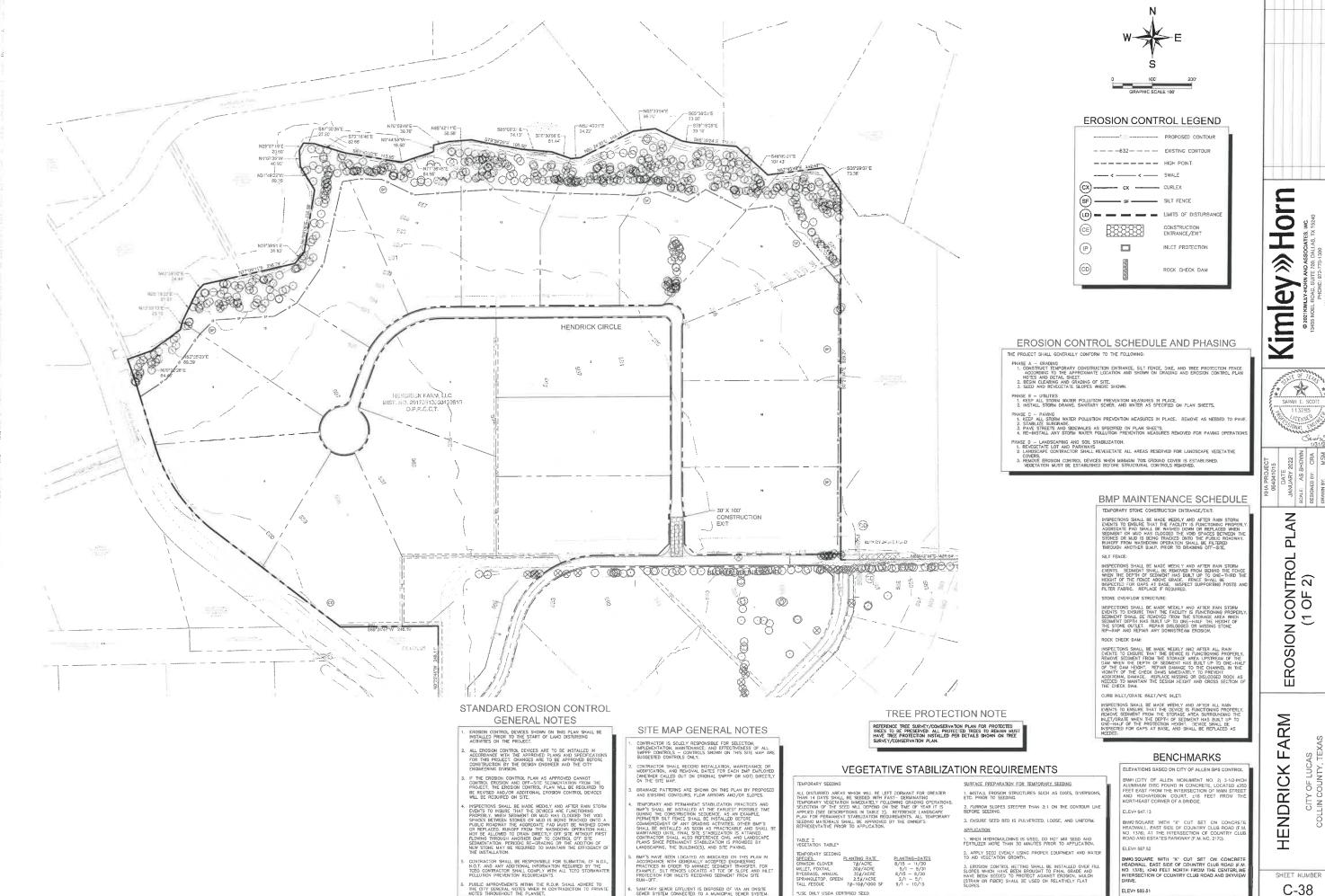






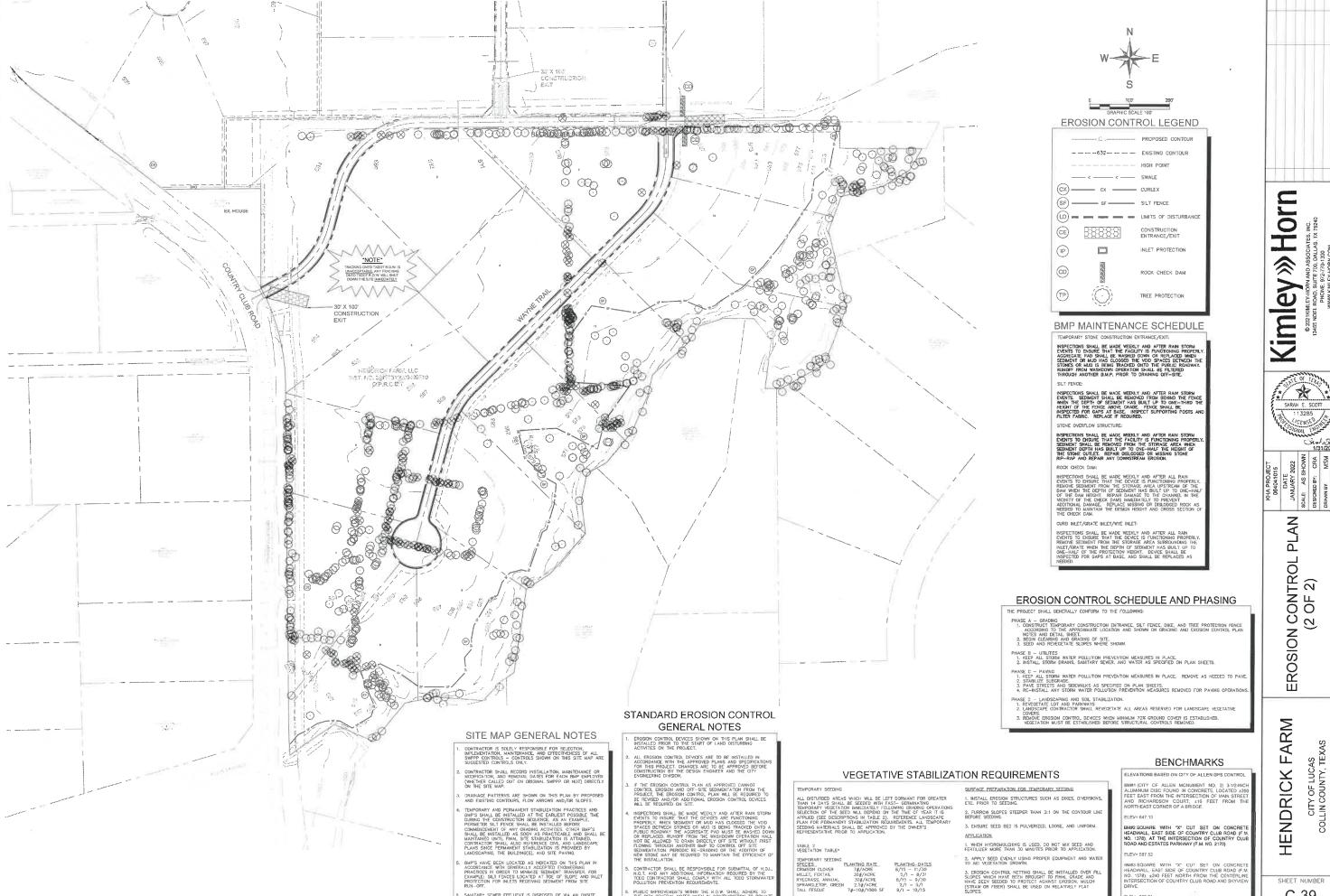






\*USE ONLY USDA CERTIFIED SEED.

ELEV= 589.81

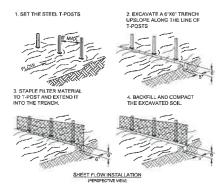


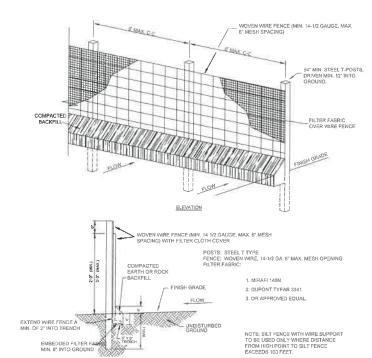
\*USE ONLY USDA CERTIFIED SEED.

SANITARY SEWER EFFLUENT IS DISPOSED OF VIA AN ONSITE SEWER SYSTEM CONNECTED TO A MUNICIPAL SEWER SYSTEM

#### SILT FENCE GENERAL NOTES

- S. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPL AS NEEDED
- 5 SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE
- 7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.





CROSS-SECTION

## SEDIMENTATION/SILT FENCE WITH WIRE SUPPORT

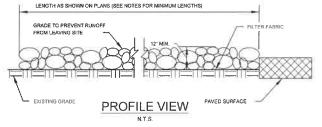
VIEW LOOKING UPSTREAM INSPECT THE DOWNSTREAM BASE OF THE STONE OUTLET AND **SECTION** ROCK CHECK DAM (RD)

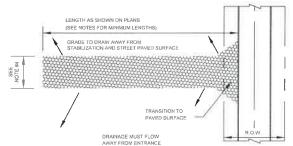
## GENERAL NOTES

- ALL CONTROL MEASURES MUST BE SELECTED, INSTALLED, AND MAINTAIN MANUFACTURERS SPECIFICATIONS AND GOOD ENGINEERING PRACTICES

- 8. CONTRACTOR SHALL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE

- 17. STRUCTURAL BMP'S SHOULD NOT, TO THE DEGREE ATTAINABLE, BE PLACED WITHIN FLOODPLAINS.





### PLAN VIEW N.T.S.

# STABILIZED CONSTRUCTION ENTRANCE

#### STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

- 3 STONE LAYER THICKNESS SHALL NOT BE LESS THAN 12 INCHES

# BENCHMARKS

ELEVATIONS BASED ON CITY OF ALLEN GPS CONTROL BM#1 (CITY OF ALLEN MONUMENT NO. 2) 3-1/2-INC ALUMINUM DISC FOUND IN CONCRETE, LOCATED ±35 FEET EAST FROM THE INTERSECTION OF MAIN STREE AND RICHAROSON COURT, ±16 FEET FROM TH NORTHEAST CORNER OF A BRIDGE.

ELEV= 647.13

BM#2 SQUARE WITH "X" CUT SET ON CONCRET HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F.M. O. 1378), AT THE INTERSECTION OF COUNTRY CLU-ROAD AND ESTATES PARKWAY (F.M. NO. 2170).

BM#3 SQUARE WITH "X" CUT SET ON CONCRET HEADWALL, EAST SIDE OF COUNTRY CLUB ROAD (F.M. NO. 1378), £240 FEET NORTH FROM THE CENTERUNI INTERSECTION OF COUNTRY CLUB ROAD AND SKYVIEW DRIVE.

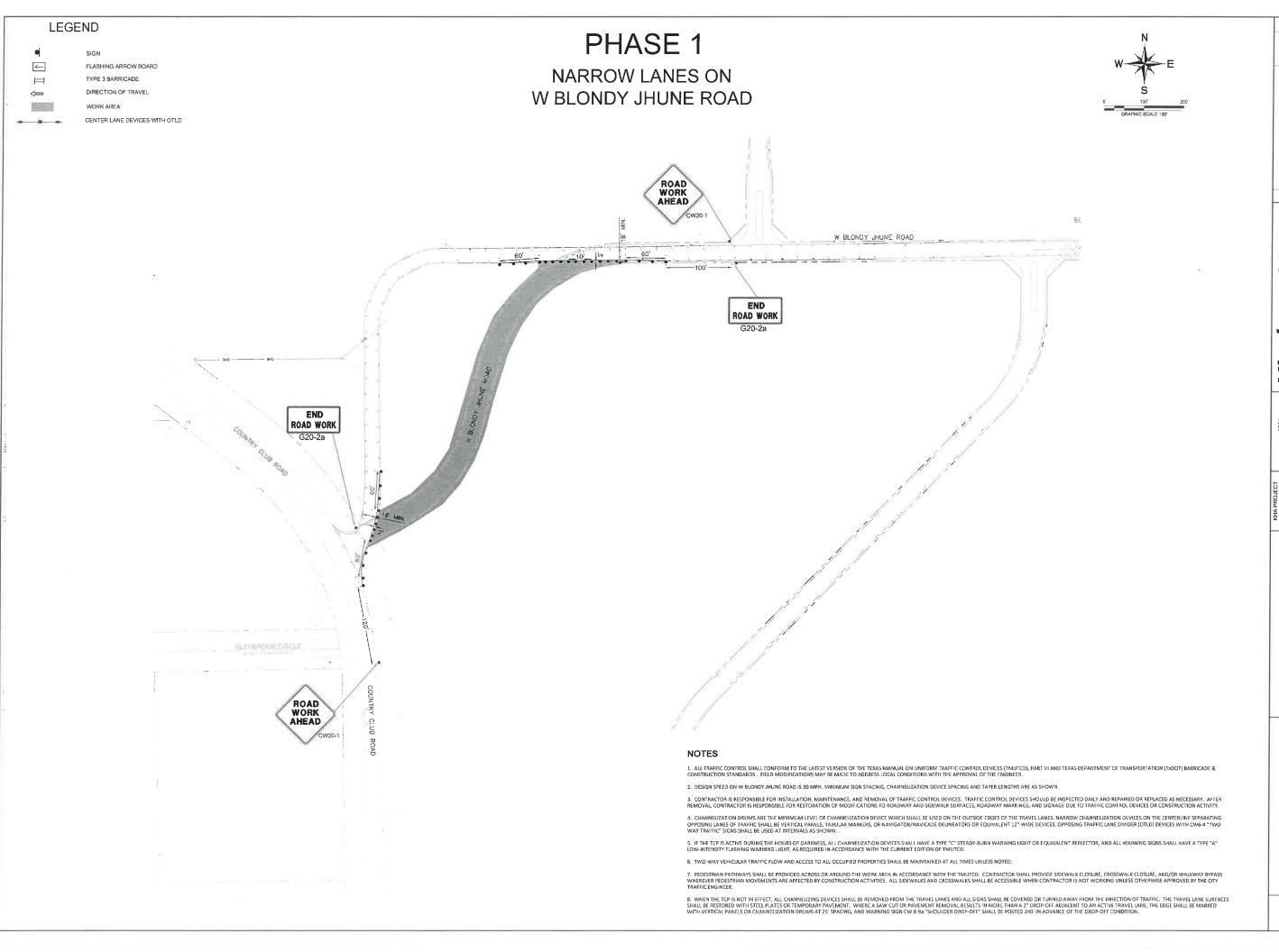
ELEV= 589.81

Kimley»Horn

EROSION CONTROL PLAN DETAILS

HENDRICK FARM CITY OF LUCAS LLIN COUNTY, TEXAS

SHEET NUMBER



REVISIONS

(Imley) Horn
© 2027KMLEY-HORN AND ASSOCIATES, INC.
13455 NOEL ROAD, SUITE TOD, DALLAS, TX 75240
PHONE SYZ77D-1300

SARAH E. SCOTT

DATE
JANUARY 2022
SCALE: AS SHOWN

TRAFFIC CONTROL PLAN (1 OF 3)

HENDRICK FARM

CITY OF LUCAS

COLLIN COUNTY, TEXAS

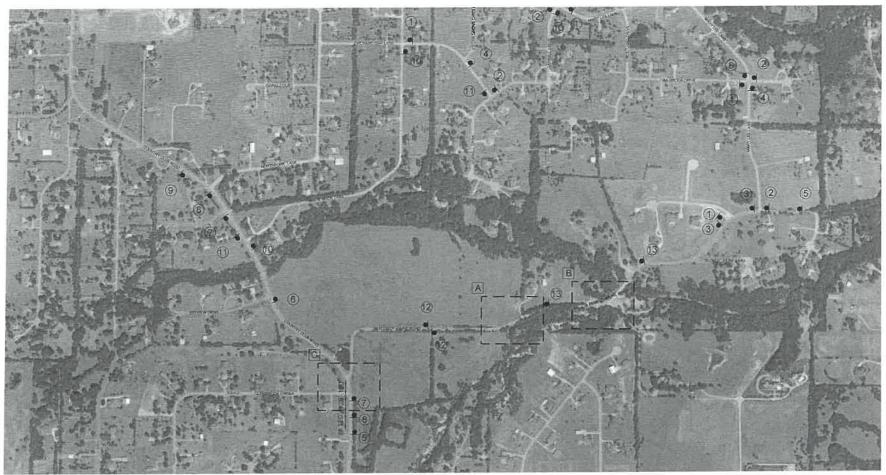
SHEET NUMBER

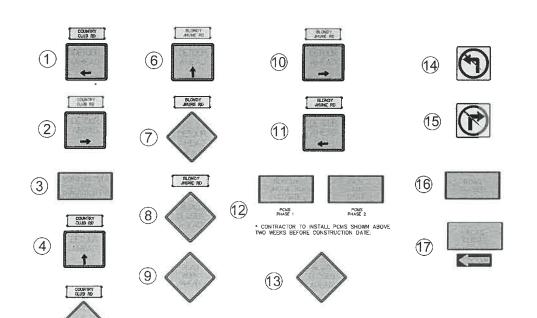
# PHASE 2

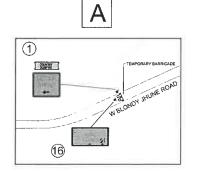
# **FULL LANE CLOSURES ON** W BLONDY JHUNE ROAD WITH **DETOUR**

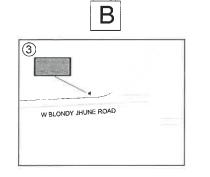


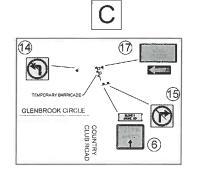












1. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST VERSION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), PART VI AND TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) BARRICADE & CONSTRUCTION STANDARDS. FIELD MODIFICATIONS MAY BE MADE TO ADDRESS LOCAL CONDITIONS WITH THE APPROVAL OF THE ENGINEER.

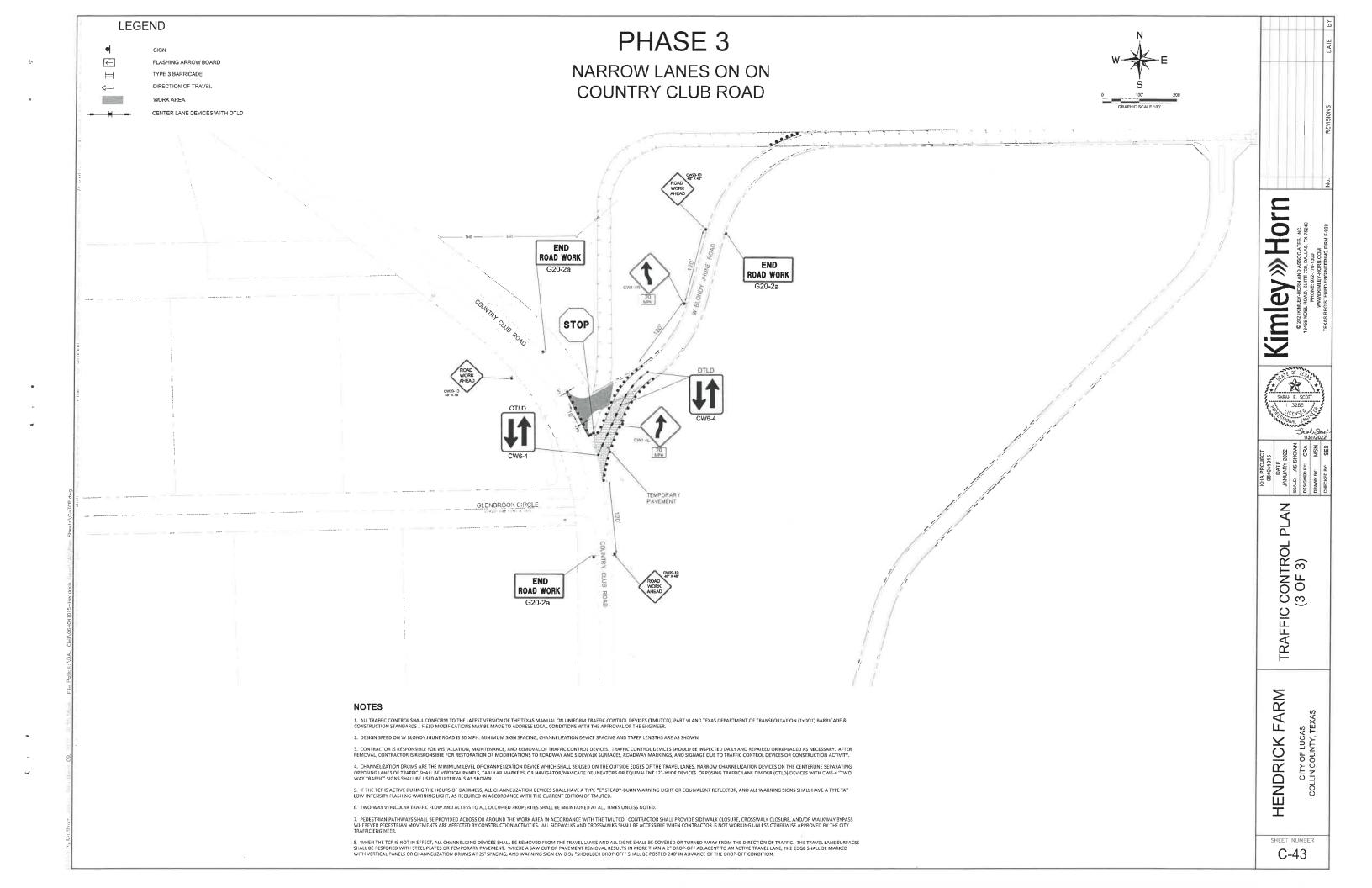
- 2. DESIGN SPEED ON W BLONDY JHUNE ROAD IS 30 MPH. MINIMUM SIGN SPACING, CHANNELIZATION DEVICE SPACING AND TAPER LENGTHS ARE AS SHOWN.

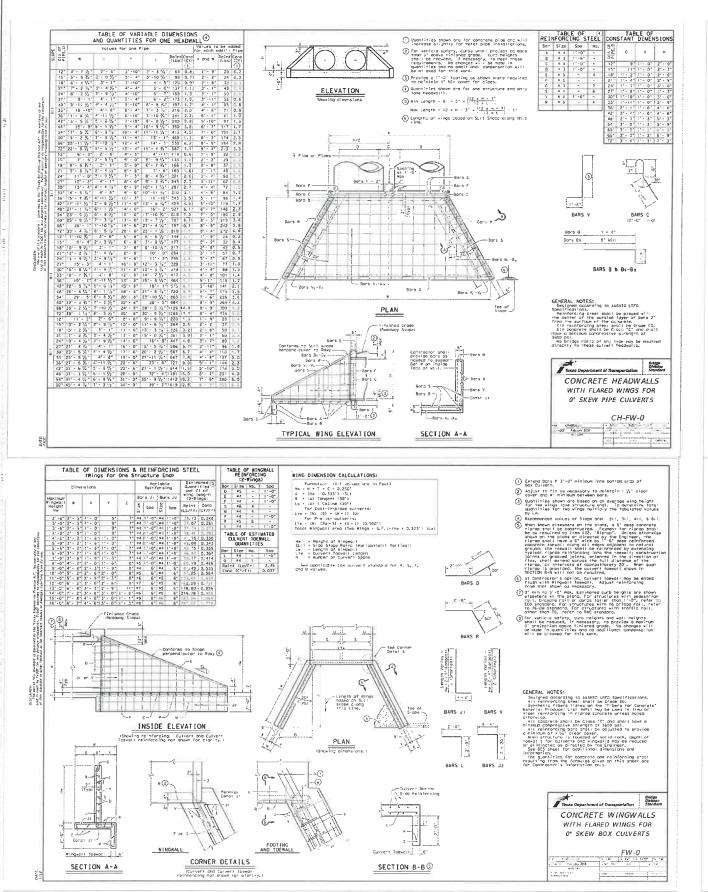
- SHALL BE RESTORED WITH STEEL PLATES OR TEMPORARY PAVEMENT. WHERE A SAW CUT OR PAVEMENT REMOVAL RESULTS IN MORE THAN A 2" DROP-OFF ADJACENT TO AN ACTIVE TRAVEL LANE, THE EDGE SHALL BE MARKED WITH VERTICAL PANELS OR CHANNELIZATION DRUMS AT 25' SPACING, AND WARNING SIGN CW 8-98 "SHOULDER DROP-OFF" SHALL BE POSTED 240' IN ADVANCE OF THE DROP-OFF CONDITION.
- 9. CONTRACTOR TO ENSURE THAT TEMPORARY BARRICADES PROVIDES ADEQUATE STREET CLOSURE TO PREVENT MOTORISTS FROM ROUTING THROUGH PRIVATE PROPERTY AND LIMITS OF CONSTRUCTION.
- 10. ALL SIGNS ARE SIGN FOR GRAPHICAL REPRESENTATION ONLY. DISTANCE OF SIGNAGE PLACEMENT FROM TRAVELED WAY TO CONFORM TO CITY OF LUCAS, TXDOT AND MUTCO STANDARDS, WHERE APPLICABLE.

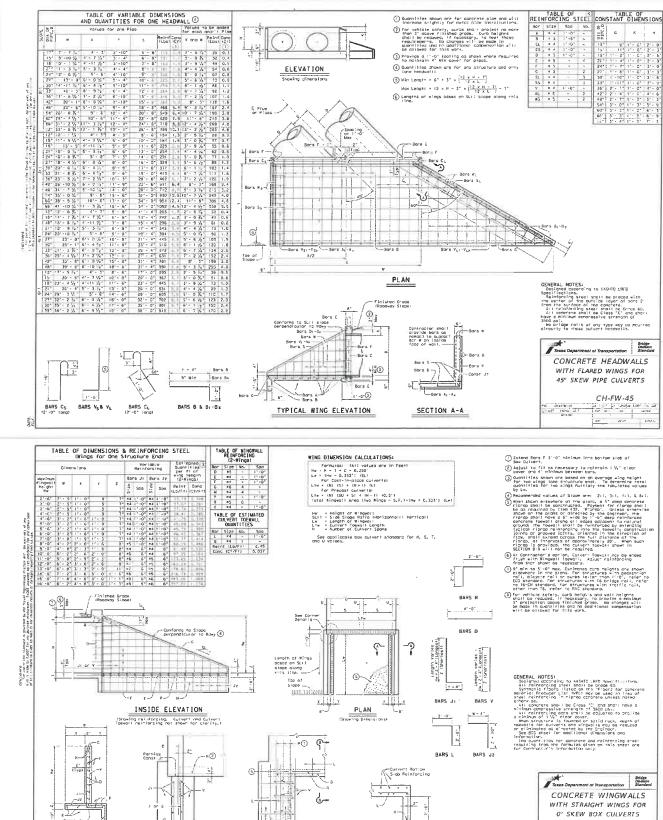
TRAFFIC CONTROL PLAN (2 OF 3)

HENDRICK FARM

SHEET NUMBER C-42







FOOTING AND TOEWALL

Sulvers Toevall 6

SECTION B-B 3

WINGWALL

SECTION A-A

CORNER DETAILS

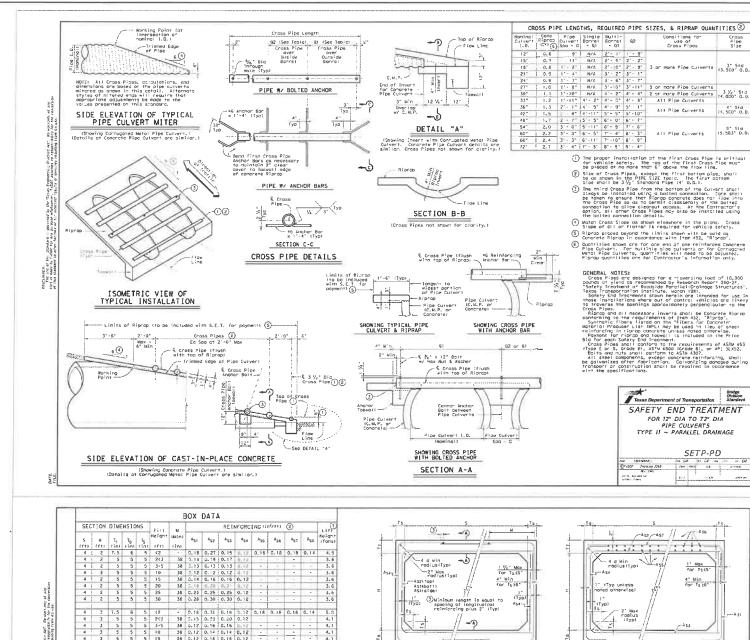
Kimley»Horn SARAH E. SCOTT 1/31/2022

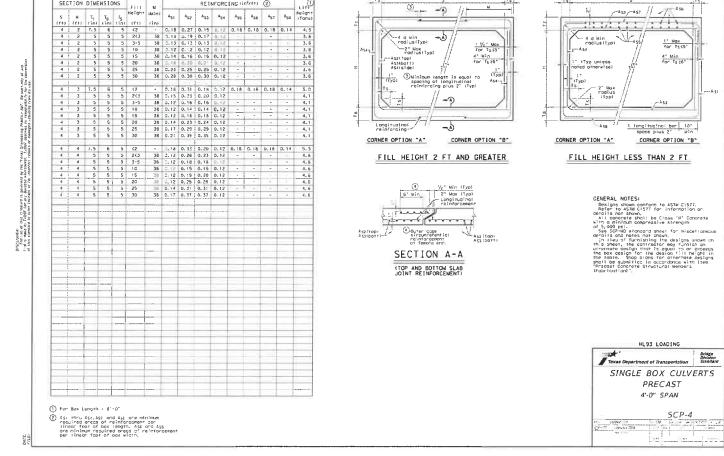
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06404101
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DESIGNED BY:
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TXDOT CONSTRUCTION DETAILS (1 OF 2)

HENDRICK FARM CITY OF LUCAS LIN COUNTY, TEXAS

SHEET NUMBER





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Horn

TXDOT CONSTRUCTION DETAILS (2 OF 2)

HENDRICK FARM CITY OF LUCAS LIN COUNTY, TEXAS

SHEET NUMBER

#### GENERAL NOTES FOR ALL THRUST BLOCKS:

- . CONCRETE FOR BLOCKING SHALL BE CLASS "8".
- 2. ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 PSI FOR DUCTILE IRON, P.V.C., AND 150 PSI FOR CONCRETE PIPE.
- VOLUMES OF THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED.
  THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR
  GREATER THAN THE VERTICAL COMPONENT OF THE THRUST ON THE VERTICAL BEND.
- 4. WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
- 5. POUR CONCRETE FOR BLOCK AGAINST UNDISTURBED EARTH.
- 6. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
- 7. THE SOIL BEARING PRESSURES ARE BASED ON 1000 LBS./S.F. IN SOIL AND 2000 LBS./S.F. IN ROCK.
- USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND, TEE, OR PLUG TO PREVENT THE CONCRETE FROM STICKING TO IT.

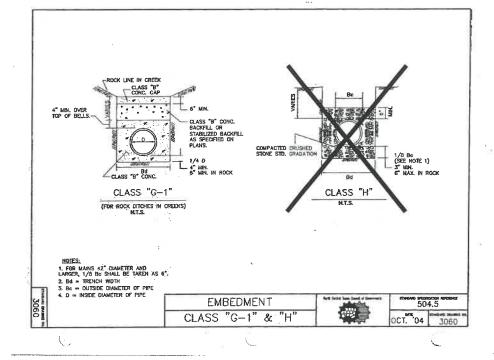
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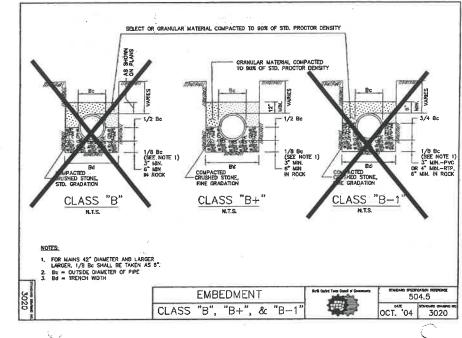
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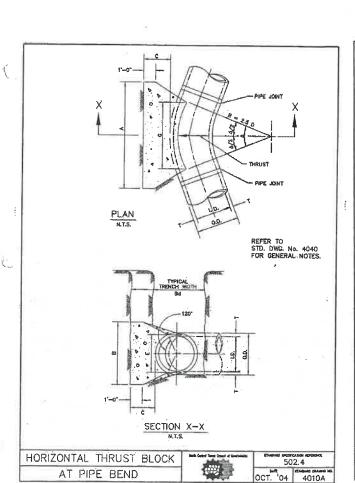
9. CONCRETE SHALL NOT EXTEND BEYOND JOINTS.

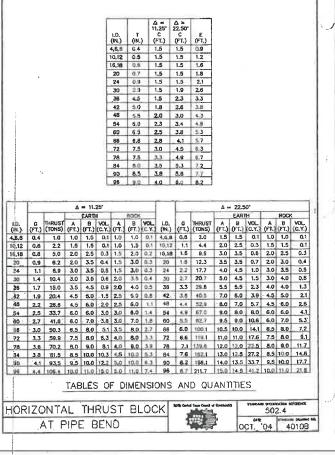
THRUST BLOCK

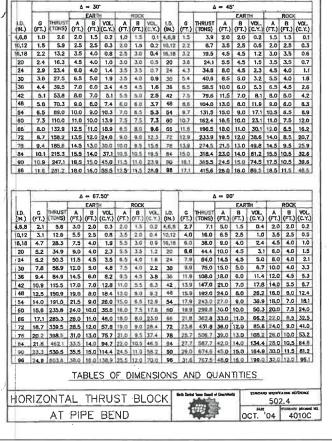
GENERAL NOTES

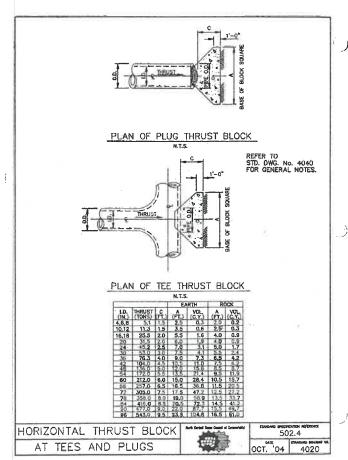


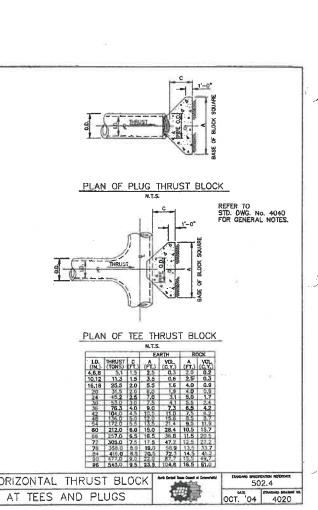










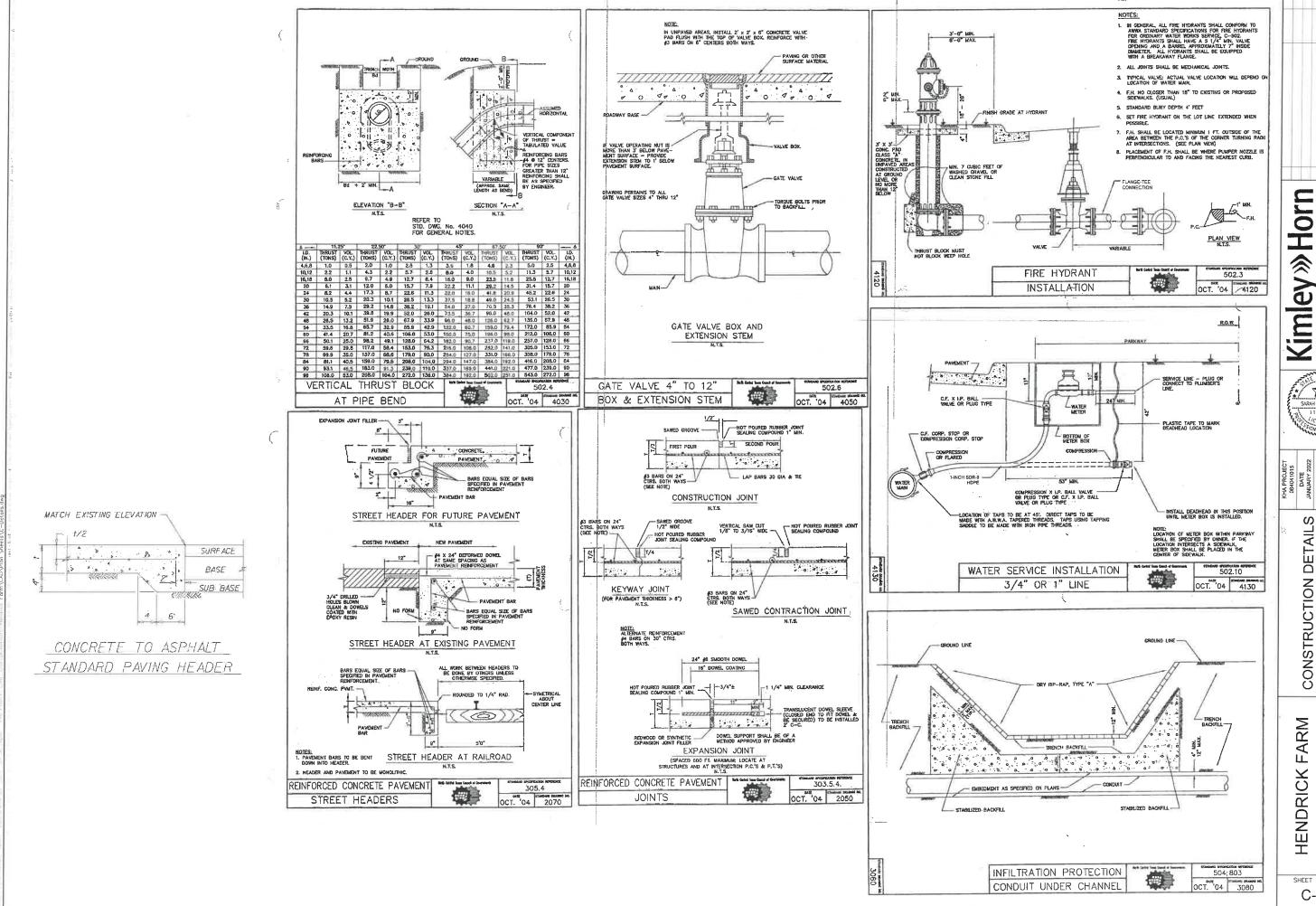


Kimley»Horn

CONSTRUCTION DETAILS (1 OF 3)

HENDRICK FARM CITY OF LUCAS LLIN COUNTY, TEXAS

SHEET NUMBER



SARAH E. SCOTT 113285

**DETAILS** CONSTRUCTION (2 OF 3)

CITY OF LUCAS LIN COUNTY, TEXAS

SHEET NUMBER

PLAN VIEW N.T.S.

STABILIZED CONSTRUCTION ENTRANCE

201.10 歯 OCT. '04 1070A

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DETAILS

CONSTRUCTION (3 OF 3)

**FARM** CITY OF LUCA

HENDRICK

SHEET NUMBER

C-48

STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

1. STONE SHALL BE 3 TO 5 INCH DIAMETER COARSE AGGREGATE.

2. LENGTH SHALL BE AS SPECIFIED IN THE SWPPP.

3. THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.

4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.

5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO RÉMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.

6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO BAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.

7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

8. PREVENT SHORTCUTTING OF THE FULL LENGTH OF THE CONSTRUCTION ENTRANCE BY INSTALLING BARRIERS AS NECESSARY.

9. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP.

ENTRANCE

STABILIZED CONSTRUCTION

201.11 OCT. '04 1070B

# SILT FENCE GENERAL NOTES:

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF

2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE, FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.

3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED

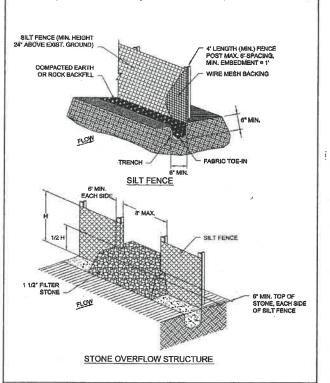
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WRE BACKING, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.

5. INSPECTION SHALL BE AS SPECIFIED IN THE SWPPP. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

6. SILT FENCE SHALL BE REMOVED WHEN FINAL STABILIZATION IS ACHIEVED OR ANOTHER EROSION OR SEDIMENT CONTROL

7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

SILT FENCE OCT. '04 10208



SILT FENCE 201.5 OCT. '04 1020A

SPACING DIAGRAM FOR TRANSVERSE JOINTS

R.O.W.

REINFORCED CONCRETE PAVEMENT TRANSVERSE JOINT SPACING 303.5.4. OCT, '04 2060