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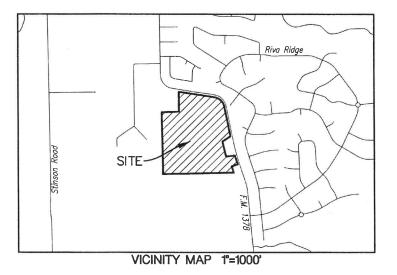
CONSTRUCTION PLANS

LEWIS PARK ESTATES

LOT 1-16, 1-20, BLOCK A, B LEWIS PARK ESTATES 60.858 Acres

in the

JAMES ANDERSON SURVEY, ABSTRACT NO. 17 CITY OF LUCAS COLLIN COUNTY, TEXAS NOVEMBER, 2014



OWNER/DEVELOPER CADG LEWIS PARK LLC
C/O LENART DEVELOPMENT COMPANY, LLC 520 CENTRAL PARKWAY E SUITE 104 PLANO,



610 Byron Nelson Blvd, Suite 114 • Roanoke, TX 76262 • P; 682,831,9712 • F; 817,890,4043

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CITYENGINEER

APPROVED

CITY OF LUCAS

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GENERAL NOTES

- 1. THE TERM MUNICIPALITY REFERS TO THE CITY OF LUCAS.
- 2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY AND SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION. ALL WORK NOT COVERED IN THE CONTRACT DOCUMENTS AND MUNICIPAL STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION SHALL BE GOVERNED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 3. EXISTING UTILITY LOCATIONS SHOWN ARE GENERALLY SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT THE SIZE AND LOCATION OF EACH PARTICULAR UTILITY. EXISTING UTILITIES SHOWN HAVE BEEN BASED ON AVAILABLE RECORD DRAWINGS AND SURFACE APPURTENANCE FIELD TIES ONLY, SOME UTILITY LINES AND SURFACE LOCATIONS MAY NOT BE SHOWN, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL FIELD LOCATIONS AND PROTECTION OF EXISTING UTILITIES WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING UTILITIES WHETHER SHOWN OR NOT, DAMAGED BY THE CONTRACTOR'S ACTIVITIES. DIFFERENCES IN HORIZONTAL OR VERTICAL LOCATIONS OF EXISTING UTILITIES SHALL NOT BE BASIS FOR ADDITIONAL COMPENSATIONS TO THE CONTRACTOR.
- 4. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY MONUMENTATION AND PRIMARY CONTROL ANY SUCH POINTS. WHICH THE CONTRACTOR BELIEVES WILL BE DESTROYED SHALL HAVE OFFSET POINTS ESTABLISHED BY THE CONTRACTOR PRIOR TO CONSTRUCTION, ANY MONUMENTATION DESTROYED BY THE CONTRACTOR SHALL BE REESTABLISHED AT CONTRACTORS EXPENSE BY A REGISTERED PROFESSIONAL LAND SURVEYOR.
- 5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO: A.) PREVENT ANY DAMAGES TO PRIVATE PROPERTY AND PROPERTY OWNER'S POLES, FENCES, SHRUBS, ETC. B.) PROTECT ALL UNDERGROUND UTILITIES, C.) NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO EXCAVATION IN ACCORDANCE WITH TEXAS LAW. D.) FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES IN THE VICINITY OF CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UNIDENTIFIED POTENTIAL CONFLICTS THAT MAY EXIST BETWEEN THE EXISTING UTILITIES AND CONSTRUCTION PLANS.
- 6. ANY DAMAGES THAT MAY OCCUR TO REAL PROPERTY OR EXISTING IMPROVEMENTS, INCLUDING EXISTING PRIVATE AND PUBLIC LANDSCAPE IRRIGATION SYSTEMS, SHALL BE RESTORED BY THE CONTRACTOR TO AT LEAST THE SAME CONDITION THAT THE REAL PROPERTY OR EXISTING IMPROVEMENT WERE IN PRIOR TO THE DAMAGES. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE ADJUSTMENT OF SPRINKLER HEADS TO FINAL GRADE AND RELOCATION IF NECESSARY.
- 7. THE CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES DURING CONSTRUCTION. THE PONDING OF WATER IN STREETS, DRIVES, TRENCHES, ETC, WILL NOT BE ALLOWED. THE CONTRACTOR SHALL MAINTAIN EXISTING DRIVEWAYS ACCESS AT ALL TIME.
- 8. THE CONTRACTOR SHALL MAINTAIN EXISTING WATER SERVICES AT ALL TIMES DURING CONSTRUCTION.
- 9. AREAS OF THE SITE THAT WILL UNDERLIE FILL SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES, FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN UNCOMPACTED THICKNESS. ALL FILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH A MOISTURE CONTENT FROM -3% TO +1% OF OPTIMUM OR PER GEOTECH RECOMMENDATION, FIELD DENSITY TESTS PER MUNICIPAL REQUIREMENTS.
- 10. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION. THE CONTRACTOR SHALL PROVIDE DETAILED PLANS AND SPECIFICATION FOR TRENCH SAFETY SYSTEMS THAT COMPLY WITH APPLICABLE LAWS GOVERNING EXCAVATION. THESE PLANS SHALL BE SEALED BY AN ENGINEER EXPERIENCED IN THE DESIGN OF TRENCH SAFETY SYSTEM, REGISTERED IN THE STATE OF TEXAS. THE CONTRACTOR SHALL SUBMIT COMPLETED TRENCH SAFETY PLANS TO THE MUNICIPALITY PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASPECTS OF WORK RELATED TO EXCAVATION, ALL EXCAVATIONS, TRENCHING AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE U.S. DEPARTMENT OF LABOR, OSHA, "CONSTRUCTION SAFETY AND HEALTH REGULATIONS".
- 11. WORK MAY NOT BE BACKFILLED OR COVERED UNTIL IT HAS BEEN INSPECTED BY THE MUNICIPALITY.
- 12. ALL EXCAVATION ON THE PROJECT IS UNCLASSIFIED.
- 13. CONTRACTOR SHALL COORDINATE THE PROTECTION OF EXISTING FRANCHISE UTILITIES AND APPURTENANCES INCLUDING EXISTING UTILITY POLES IN THE VICINITY OF CONSTRUCTION OPERATIONS WHETHER UTILITIES ARE SHOWN ON PLANS OR NOT. ANY DAMAGE INCURRED TO EXISTING FRANCHISE UTILITIES, APPURTENANCES, UTILITY POLES, LIGHT STANDARDS, ETC., BY CONSTRUCTION RELATED ACTIVITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 14. THE CONTRACTOR SHALL LOCATE AND RECORD EXISTING IRRIGATION SYSTEMS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL TEMPORARILY REMOVE AND CAP IRRIGATION SYSTEM AS NECESSARY FOR CONSTRUCTION AND SHALL REPLACE THE PORTION REMOVED WITH EQUIVALENT SYSTEMS, CONTRACTOR SHALL COORDINATE ANY IRRIGATION WORK WITH THE MUNICIPALITY AND PROPERTY OWNER'S REPRESENTATIVES.
- 15. THE CONTRACTOR MUST CEASE ALL CONSTRUCTION OPERATIONS IMMEDIATELY IF A SUSPECTED ARCHEOLOGICAL OBJECT/ARTIFACT IS UNCOVERED DURING CONSTRUCTION. THE CONTRACTOR MUST IMMEDIATELY CONTACT THE TEXAS HISTORICAL COMMISSION AND THE MUNICIPALITY. PROJECT WORK WILL NOT COMMENCE UNTIL PROPER PERMITS ARE IN PLACE AND PROVIDED TO THE MUNICIPALITY.
- 16. ALL PAVING DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLIANCE WITH ALL HANDICAPPED ACCESSIBILITY REQUIREMENTS INCLUDING SIGNAGE, TEXTURES, COLORING, MARKINGS, AND SLOPES OF ADA/TAS 2012 ACCESSIBLE ROUTES & RAMPS,
- 18. ALL PIPE LENGTHS MEASURED FROM STATION TO STATION BASED ON THE CENTER OF STRUCTURE UNLESS OTHERWISE
- 19. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE.

GENERAL NOTES FOR WATER IMPROVEMENTS

- 1. ALL WATER LINES SHALL BE PVC PIPE CONFORMING TO A.W.W.A. STANDARD C-900 SDR-18 MINIMUM. WITH NSF SEAL PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH MUNICIPAL AND/OR NCTCOG STD. SPECS., UNLESS OTHERWISE NOTED WITHIN THE CONSTRUCTION PLANS.
- 2. CONTRACTOR SHALL NOT DIG WITHIN 20 FEET OF ANY WATERLINES ON FRIDAY, SATURDAY OR SUNDAY WITHOUT WRITTEN PERMISSION OF THE CITY

GENERAL NOTES FOR PAVING IMPROVEMENTS

- 1. THE SUB GRADE SHALL BE PROOF ROLLED AND OBSERVED BY THE CONSTRUCTION INSPECTOR PRIOR TO AND AFTER SUB-GRADE STABILIZATION.
- 2. INDIVIDUAL WATER AND SEWER SERVICES AND WATER VALVES SHALL BE MARKED IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
- 3. THE CONTRACTOR SHALL PROCEED WITH PAVING NO MORE THAN SEVENTY-TWO (72) HOURS AFTER DENSITY/MOISTURE TESTS HAVE BEEN TAKEN AND PASSED BY A REGISTERED TESTING FIRM. COPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE MUNICIPALITY. IN THE EVENT PAVING OPERATIONS HAVE NOT COMMENCED WITHIN THE SEVENTY-TWO (72) HOUR LIMIT, A RETEST SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
- 4. MANHOLE RIM ELEVATIONS, CLEAN—OUTS, VALVE BOXES, FIRE HYDRANTS, ETC. SHALL BE ADJUSTED TO FINISHED GRADE BY THE PAVING CONTRACTOR AT THE TIME OF PAVING.
- 5. THE PAVING CONTRACTOR SHALL INSTALL A BLUE REFLECTOR IN THE STREET OR FIRE LANE CENTERLINE AT THE LOCATION OF EACH FIRE HYDRANT.
- 6. THE CONTRACTOR SHALL PREPARE ALL TRAFFIC CONTROL PLANS AND SUBMIT TO THE MUNICIPALITY PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS FOR WORK WITHIN THE MUNICIPALITY. THE PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE CURRENT EDITION OF THE M.U.T.C.D AND AS MODIFIED BY THE TXDOT SUPPLEMENT TO THE M.U.T.C.D. THE PLAN SHALL ADDRESS THE REQUIREMENTS FOR ALL SIGNS, BARRICADES, FLAGMEN, LIGHTS, HOURS OF CONSTRUCTION, AND OTHER DEVICES AS NECESSARY FOR SAFE TRAFFIC CONTROL

PROJECT GENERAL NOTES

- 1. THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) MUST APPROVE ANY WORK TO BE DONE IN THE STATE HIGHWAY RIGHT-OF-WAY, AN APPLICATION AND APPROPRIATE PLANS MUST BE SUBMITTED TO THE CITY OF LUCAS FOR REVIEW AND APPROVED BY THE MUNICIPALITY WHERE THE WORK WILL BE PERFORMED.
- 2. THE LOCATION OF UNDERGROUND FACILITIES INDICATED ON THE PLANS IS TAKEN FROM PUBLIC RECORDS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES. IF THE EXISTING UNDERGROUND UTILITIES ARE DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRING THE UTILITY.
- 3. WHERE EXISTING UTILITIES, SERVICE LINES OR IRRIGATION LINES ARE CUT. BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES, SERVICE LINES OR IRRIGATION LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENTS.
- 4. CONTRACTOR SHALL NOT DIG WITHIN 20 FFFT OF ANY WATERLINES ON FRIDAY SATURDAY OR SUNDAY WITHOUT WRITTEN PERMISSION OF THE CITY ENGINEER.
- 5. ALL EXCAVATIONS, TRENCHING AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE U.S. DEPARTMENT OF LABOR, OSHA. "CONST. SAFETY AND HEALTH REGULATIONS." VOL. 29, SUBPART P. PG. 128-137, AND ANY AMENDMENTS THERETO. THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A TRENCH SAFETY PLAN FOR THIS PROJECT.
- 6. THE CONTRACTOR SHALL RESTORE ALL AREAS, ONSITE AND OFFSITE, DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO: TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE SWALES, STAGING AREAS, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS. UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE DRAWINGS, RESTORATION SHALL INCLUDE SODDING ALL DISTURBED AREAS, ESTABLISHMENT OF GRASS THROUGH PROPER WATERING IS LEFT UP TO THE CONTRACT'S MEANS AND METHODS, UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE/IRRIGATION DRAWINGS.
- 7. THE CONTRACTOR SHALL KEEP RECORDS FOR AS-BUILTS DRAWINGS AND SHALL SUBMIT MARK-UPS TO THE MUNICIPALITY INSPECTOR PRIOR TO SCHEDULING A FINAL WALK THROUGH INSPECTION.
- 8. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH REPRESENTATIVES FROM ALL CONTRACTORS, THE ENGINEER, AND
- 9. ALL CONSTRUCTION MUST ADHERE TO THE TREE PRESERVATION REQUIREMENTS OF THE MUNICIPALITY.
- 10. THE CONTRACTOR, AND HIS AGENTS, AND SUB-CONTRACTOR, ARE COMPLETELY RESPONSIBLE FOR THE VERIFICATION OF THE ACCURACY OF THE DIMENSION CONTROL FURNISHED HEREIN. THE OWNER, ENGINEER AND THEIR AGENTS, ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE COORDINATES FURNISHED. THE CONTRACTOR IS REQUIRED TO VERIFY ALL COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTAL AND VERTICALLY. DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED, IN WRITING, TO THE OWNER IMMEDIATELY FOR RECONCILIATION.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIRED FOR THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PREPARE, IMPLEMENT AND MAINTAIN THE SWPPP IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT TOEQ AND NPDES GENERAL PERMIT AS DESCRIBED IN THE FEDERAL REGISTER, PAGES 36489 THROUGH 36519.

GENERAL NOTES FOR STORM DRAIN IMPROVEMENTS

- 1. ALL STORM SEWER AND CULVERT PIPE AND FITTINGS SHALL BE ASTM C76, CLASS III REINFORCED CONCRETE PIPE (RCP), INSTALLED WITH COMPRESSIVE TYPE JOINTS UNLESS NOTED OTHERWISE.
- 2. AFTER COMPLETION OF ALL STORM SEWER INSTALLATION, THE CONTRACTOR SHALL ENSURE THAT ALL DEBRIS AND SILTATION HAS BEEN REMOVED.

MISCELLANEOUS NOTES AND CONSTRUCTION ITEMS

1. ALL EXISTING MAILBOXES IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE RELOCATED AND REPLACED WITH AN EQUIVALENT MAILBOX AT NO COST UNLESS SPECIFIED AS A BID ITEM

LEGEND Finished Grade Finished Floor Finished Pad Utility Easement B.L. R.O.W Overhead Power Lines Down Guy Wire -443- Existing Contours 445 Proposed Contours 4 7 Concrete Povement Asphalt Pavement _/_ #-#-Wood Fence _a_a Chain Link Fence × × X Wire Fence \odot Existing Tree (FL) Flowline Centerline of Creek, Swale or Waterway

Grade at Retaining Wall Grade at Top of Grate Rail road

W/L — Meter Valve

W/L — Woter Line

ICV— o Smitury Sewer Manhole

CO— o Sanitary Sewer Manhole

CO— o Sanitary Sewer Manhole

UP— x Light Pole

LP— x Light Pole

EX TC Existing Top of Curb

EX TD Existing Top of Powernent

TC Top of Curb

G Utter

G Proposed Comb Gutter
Proposed Grade
Grade at Top of Pavernent
Grade at Top of Aspholt
Grade at Top of Wall
Grade at Bottom of Wall Utility Easement
Drainage Easement
Building Line
Right-of-Way
Deed Records
Plat Records
Pedestrian Access Easement
Setback line
Waterline Easement
Waterline Easement

NOTE

LLC TIECTURE

CONSULTANTS, CONSULTANTS, LAND SURVEYING LAND SURVE

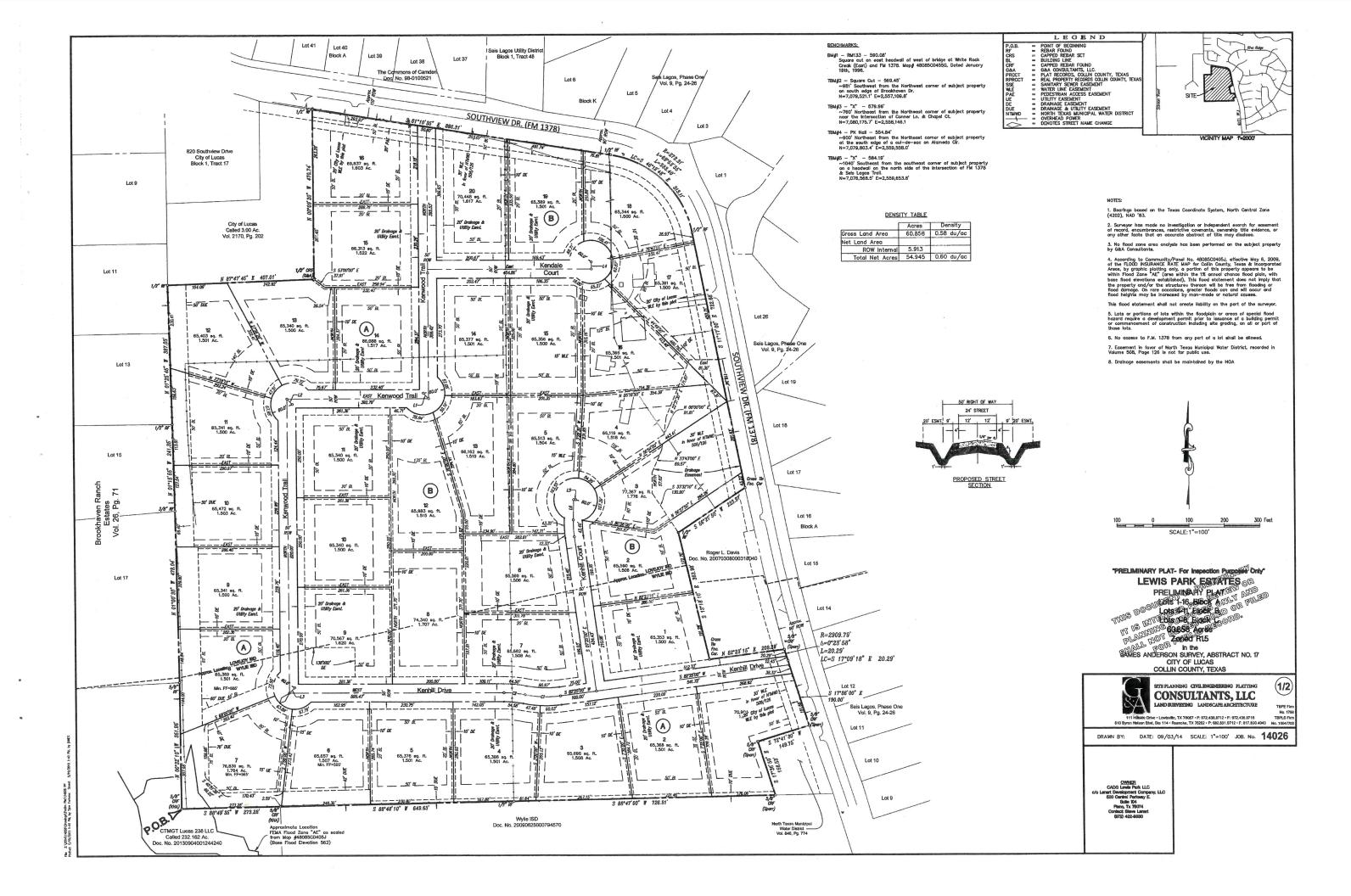
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BILA CONSULTANTS, LLI TBPE F-1796

14026 OWNER/DEVELOPER CADG LEWIS PARK LLC C/O LENART DEVELOPMENT COMPA 520 CENTRAL PARKWAY E. SUITE 10-PLANO TX 750

C1



OWNER'S CERTIFICATE AND DEDICATION

STATE OF TEXAS :
COUNTY OF COLLIN : WHEREAS WE, CADG LEWIS PARK LLC, are the owners of property situated in the City of Lucas described as follows:

BEING all that certain lot, tract or parcel of land altuated in the J. Anderson Survey, Abstract Number 17, in the City of Lucas, Collin County, Texas and part of those certain tracts of land described as Tracts I and II, in deed to Guardian Mortgage Company, Inc., as recorded in Document Number 2014/03/1000092429 of the Deed Records of Collin County, Texas, and being all of that certain colled 24.45 acre tract of land described in deed to Levis-McRhiter, Ltd, recorded in Document Number 2005–180899 of the Deed Records of Collin County, Texas, and being more particularly described as follows:

SEGINNNO ct to 5/6" capped rebor found (Kimley Horn and Associates) at the southwest corner of sold Tract I, and being an inner elle corner of that certain called 232,162 are tract of land described in deed to CTMGT Lucas 238, LLC, recorded in Document Number 20130904001244240 of the Dead Records of Collin County, Texas;

TREDICE N 0732*10" W, 351.86 feel with the west line of sold Tract I, and the east line of sold 232.162 acre tract, to a 5/6" rebar found at the northeast corner thereof, and being the southeast corner of Brookhoven Ranch Estates, an addition to the City of Lucos, according to the plot thereof, recorded in Volume 26, Page 71 of the Piot Recorde of Collin County, Texas;

THENCE N 0170/30" W, 478.04 feet with the west line of said Tract 1, and the east line of said Brookhaven Ranch Estates to a 3/6" rebar found at the northwest corner of said Tract 1, and being the southwest corner of said

THENCE N 0175'55" W 241.35 feet with the west line of said Tract 2, and the east line of said Brookhaven Ranch Estates, to a 1/2" rebar found: THINCE N 0725/45" W, 87.03 feet with the west line of sold Troct 2, and the east line of sold Brockhoven Ranch Estates, to a 1/2" reborr found at the westerly northwest corner of sold Troct 2, and being the southwest corner of that certain called 3.00 core tract of land described in deed to the City of Lucas, recorded in Volume 2170, Pages 202 of the Deed Records of Collin County, Texas;

THENCE N 874745" E, 407.01 feet, with the north line of said Tract 2, and the south line of said 3.00 acre tract, to the southeast corner thereof.

THENCE N 00'09'20" W, 470.74 feet, with the north line of sold Tract 2, and the east line of sold 3.00 acre tract, to a 1/2" rebor found at the most northerly northwest corner of sold Tract 2, the northeast corner of sold 3.00 acre tract, and being an the south line of F.M. Highway 1378; TRENCE S 810'35° E, with the north line of soid Troct 2, and being the northwest corner of soid 24.45 core tract, continuing with the north line of the northwest corner of soid 24.45 core tract, continuing with the north line thereof, 836.31 feet to 1/2" rebor found.

NERICE Southeasterly with east line of said 24.45 acre tract, and the west line of said F.M. Highway 1378, with the arc of a curve to the right, howing a radius of 273.31 feet, a central angle of 69°53'35°, on arc length of 333.40 feet, and whose chord bears S 46°13'48° E, 313.11 feet; THENCE S 1117/10" E, 722.68 feet, with the east line of sold 24.45 acre tract, and the west line of F.M. Highway 1378, to the northeast corner of that certain tract of land described in deed to Rager L. Davis, recorded in Document Number 2007/03/08/00/0318/040 of the Deed Records of Collin County, Texas,

THENCE S 56'27'50" W, 223.97 feet with the east line of said 24.45 acre tract, and the north line of said Davis tract, to the northwest corner

THENCE S 1378'10" E, 363.98 feet with the east line of sold 24.45 acre tract, and the west line of sold Davis tract, to the southwest corner thereof;

thereof.

THENCE N 8223715" E, 209.39 feet with the east line of solid 24.45 care tract, and the south line of solid Davis tract, to the southeast corner thereof, being on the west line of F.M. Highway 1378;

THENCE Southeasterly with the east line of solid 24.45 care tract, and the west line of solid F.M. Highway 1378, with the arc of a non-tangent curve to the left, having a radius of 2809.79 feet, a central angle of 00'38'41", an arc length of 32.74 feet, and whose chard bears S 17'17'56" E, 32.74 feet;

THENCE'S 1736'00" E, 190.00 feet with the east line of soid 24.45 acre tract, and the west line of soid F.M. Highway 1378, to the northeast corner of that certain tract of land described in deed to North Texas Municipal Water District, recorded in Volume 848, Page 774 of the Deed Records of Collin County, Texas

THENCE S 7241'30" W, 149.75 feet with the east line of soid 24.45 acre tract, and the north line of soid North Texas Municipal Water District tract, to the northwest corner thereof;

THENCE S 1736'50' E, 156.53 feet with the east line of sold 24.45 acre tract, and the west line of sold North Texas Municipal Water District tract, to a 5/8" capped rabor found (Sparr Surveys) at the southwest corner thereof, and being the southeast corner of sold 24.45 acre tract, and being on the north line of that certain colled 60.000 acre tract of land described in deed to Wylle Independent School District, recorded in Document Number 20090625000794570 of the Deed Records of Collin County, Texas:

THENCE S 88'47'00" W, 726.31 feet with the south line of said 24.45 acre tract, and the north line of said 60.000 acre tract, to a 1/2" rebar found at the southwest corner of said 24.45 acre tract, and being the southeast corner of said Tract I;

THENCE S 85'45'10" W, 649.63 feet, with the south line of sold Tract I, and the north line of sold 60.00 acre tract, to a 5/8" capped rebar found (Kimley Horn and Associates) at the northwest corner thereof, and being the easterly northeast corner of sold 232.162 acre tract;

THENCE S 88'49'35" W, 273.28 feet with the south line of sold Troct I, and a north line of sold 232.162 acre tract, to the POINT OF BEGINNING and containing approximately 60.858 acres of land.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: THAT WE, CADG LEWIS PARK LLC, acting herein by and through its duly authorized representatives, do hereby dopt this preferrheary lot designating the hereholove described tract as LEWIS PARK ESTATE, on addition to the City of Lucas, Colin County, Texas, and do hereby dedicate to the public use forever the stress, elleys, and right-of-ways as shown and do hereby reserve the essement strips shown on this plat for the mutual use and accommodation of garbage collection agencies and all public utilities desiring to use or using some Any public utility shell have the right to remove and keep removed all or for 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 secentest strips and any public utility shell and utilities have the right of foregrees and egrees to and from and upon the solid easement strips for the purpose of constructing, reconstructing, inspecting, potentials, efficiently and any public utilities of the purpose and egrees to and from and upon the solid easement strips for the purpose of constructing, reconstructing, inspecting, potentials, efficiently the construction of the purpose of constructing and any public transfer and the construction of the construction of the construction of the construction of the purpose of constructing and any purpose of constructing and any public transfer and the construction of the const

CADG LEWIS PARK LLC				
STATE OF TEXAS : COUNTY OF whose name is subscribed expressed and in the cape	to the foregoing instrument and	NED AUTHORITY, personall I acknowledged that he ex	y appeared xecuted the same for the purp	_, known to me to be the person lose and consideration therein
GIVEN UNDER MY HAND A	ID SEAL OF OFFICE this	doy of	2012.	
Notary Public State of Tex	cos			
My commission expires the	day of		_	
	1	MORTGAGE HOLDER CERTIF	TICATION	
Texas, do hereby dedicate strips shown on this plat same. Any public utility si or growths that in any wa easement strips, and any the purpose of construction	to the public use forever the str for the mutual use and accomm nall have the right to remove an my endanger or interfere with the public utility shall at all times h	reets, alleys, and right—of- nodation of garbage collect d keep removed all or pain construction, maintenance leve the right of lagress of trollina, without the necess	—ways as shown thereon, and tition agencies and all public ut rt of any buildings, fences, tre ce or efficiency of its respective and egress to and from and u salty at any time of procuring	property herein, do hereby consent an addition to the City of Lucas, do hereby reserve the easement Bittes desiring to use or using sa, shrubs, or other improvements e systems on any of these pon the said easement strips for the permission of anyone. This plot

WITNESS MY HAND this _____day of ____

WITNESS OUR HAND this ______day of _____ Authorized Representative Title CITY APPROVAL CERTIFICATE

This plot is hereby approved by the Planning and Zoning Commission of the City of Lucas, Texas

Chairmon, Planning and Zoning Commission Date

Signature

ATTEST:

The Director of Public Works of the City of Lucas, Texas hereby certifies that to the best of his/her knowledge or belief, this subdivision plat conforms to all requirements of the Code of Ordinances and with engineering construction standards and processes adopted by the City of Lucas, Texas as to which his/hereptored is required.

Director of Public Works

The Director of Planning and Community Development of the City of Lucas, Texas hereby certifies that to the best of his/her knowledge or bellet, this subdivision plot conforms to all requirements of the Code of Ordinances, or as may have been amended or modifies, as allowed, by the Planning and Zoning Commission at a which his/her approval to required.

Director of Planning and Community Development

LEGEND L E G B N D

PONT OF BECNING
REBAR FOUND
CAPPED REBAR SET
BUILDING LINE
CAPPED REBAR FOUND
GAR
CAPPED REBAR FOUND
GAR
CAPPED REBAR FOUND
FOR THE SERVICE
GAR CONSULTANTS, LLC.
UNITY, TEXAS
REAL PROPERTY RECORDS COLUN COUNTY, TEXAS
REAL PROPERTY ROCKETS
WATER LINE
VATER LINE
TO SERVICE
TO SERV P.O.B.
RF
CRS
BL
CRF
G&A
PRCCT
RPRCC
SSE
PAE
UE
DE
DUE
NTMWD

OVERHEAD POWER DENOTES STREET NAME CHANGE



	BLOCK A	70,904	1.628	1	1	BLOCK B	65,353	1.500
	BLOCK A	65,368	1,501	1	2	BLOCK B	65,590	1.506
	BLOCK A	65,696	1.508	1	3	BLOCK B	77,367	1.776
	BLOCK A	65,386	1.501	1	4	BLOCK B	66,119	1.518
	BLOCK A	65,378	1.501	1	5	BLOCK B	65,513	1.504
	BLOCK A	65,657	1.507	1	6	BLOCK B	65,599	1.506
	BLOCK A	76,836	1.764	1	7	BLOCK B	65,682	1.508
	BLOCK A	65,369	1.501	1	8	BLOCK B	74,340	1.707
	BLOCK A	65,341	1.500	1	9	BLOCK B	70,567	1.620
,	BLOCK A	65,472	1.503	1	10	BLOCK B	65,340	1.500
1	BLOCK A	65,341	1.500	1	11	BLOCK B	65,340	1.500
2	BLOCK A	65,403	1.501	1	12	BLOCK B	65,983	1.515
5	BLOCK A	65,340	1.500	1	13	BLOCK B	66,162	1.519
	BLOCK A	68,088	1.517	1	14	BLOCK B	65,377	1.501
5	BLOCK A	66,313	1.522	1	15	BLOCK B	65,356	1.500
5	BLOCK A	69,837	1.603	1	16	BLOCK B	65,366	1.501
				_	17	BLOCK B	65,361	1.500
					18	BLOCK B	65,344	1.500
					19	BLOCK B	65,389	1.501
					20	BLOCK B	70,448	1.617

LOT / BLOCK ANALYSIS

LOT BLOCK SQUARE FRET ACRES

CURVE TABLE					
CURVE	RADIUS	DELTA ANGLE	ARC LENGTH	LONG CHORD	
CI	300.00	185716°	99.24	S 88'06'22" E, 98.79"	
æ	300.00	11'22'16"	59.54*	N 8478'52" W, 59.44"	

LINE TABLE				
LINE	BEARING	DISTANCE		
L1	N 45'00'00" W	21.21'		
L2	S 45'00'00" E	21.21*		
Ü	N 45'00'00" E	21.21'		
L4	N 00'00'00" E	19.69'		
L5	N 88'37'30" W	5.81'		
L6	N 01'22'30" E	56.34'		

SURVEYOR'S STATEMENT I, Mark Paine, a Registered Pro

STEP TO THE PROPERTY OF THE UNDERSCRIED AUTHORY OF DENTON : BEFORE ME, THE UNDERSCRIED AUTHORY OF DENTON : BEFORE ME, THE UNDERSCRIED AUTHORY OF DENTON : BEFORE ME, THE UNDERSCRIED authorities of the person whose name is subscribed to the foregoing instrument and coknowledged that he executed the some for the purpose and consideration therein expressed and in the capacity therein stated.

"PRELIMINARY PLAT- For Inspection Purposes Only LEWIS PARK ESTATES

PRELIMINATE ON PRELIMINATE ON PRELIMINATE DE MILE DE M

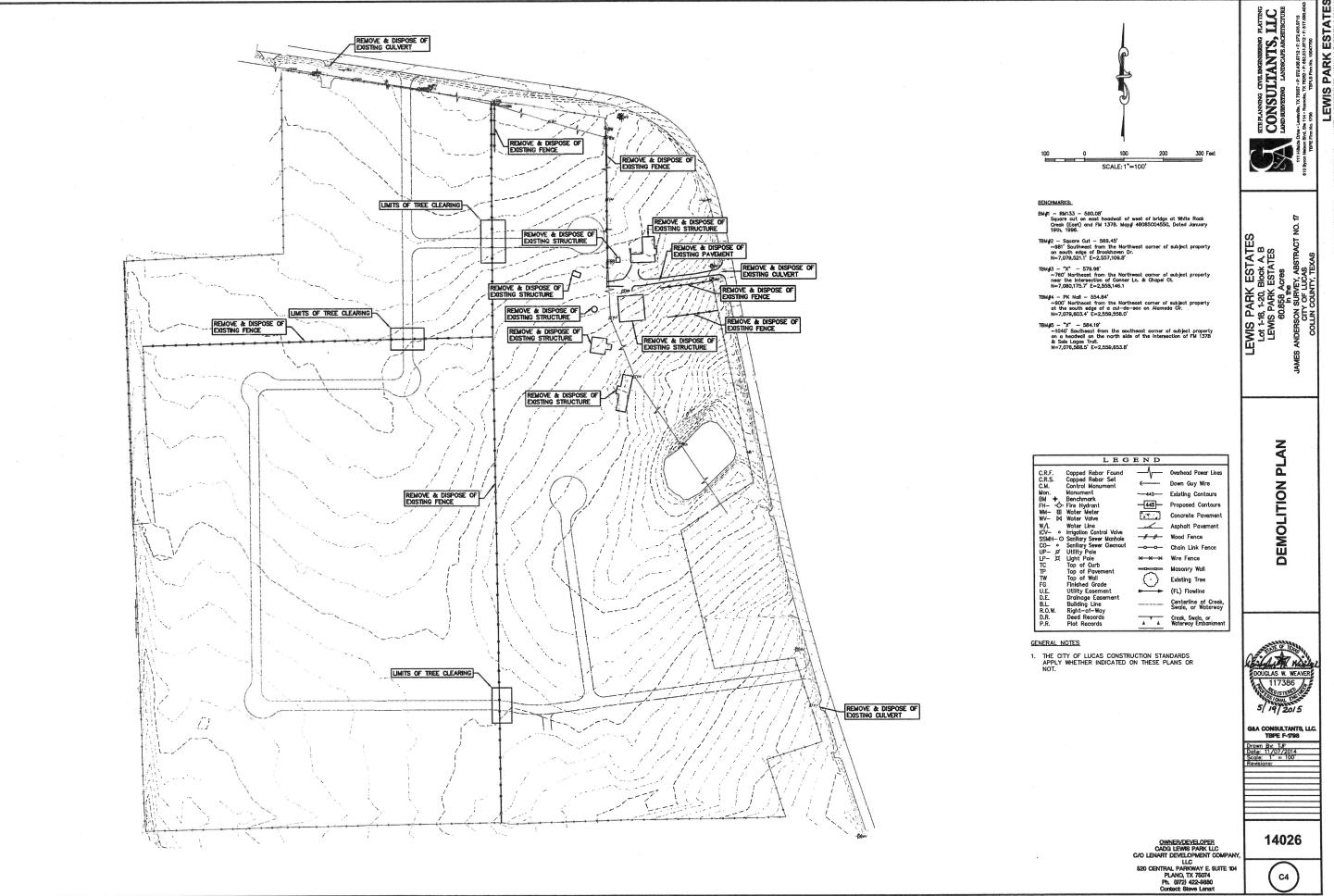
CITY OF LUCAS COLLIN COUNTY, TEXAS

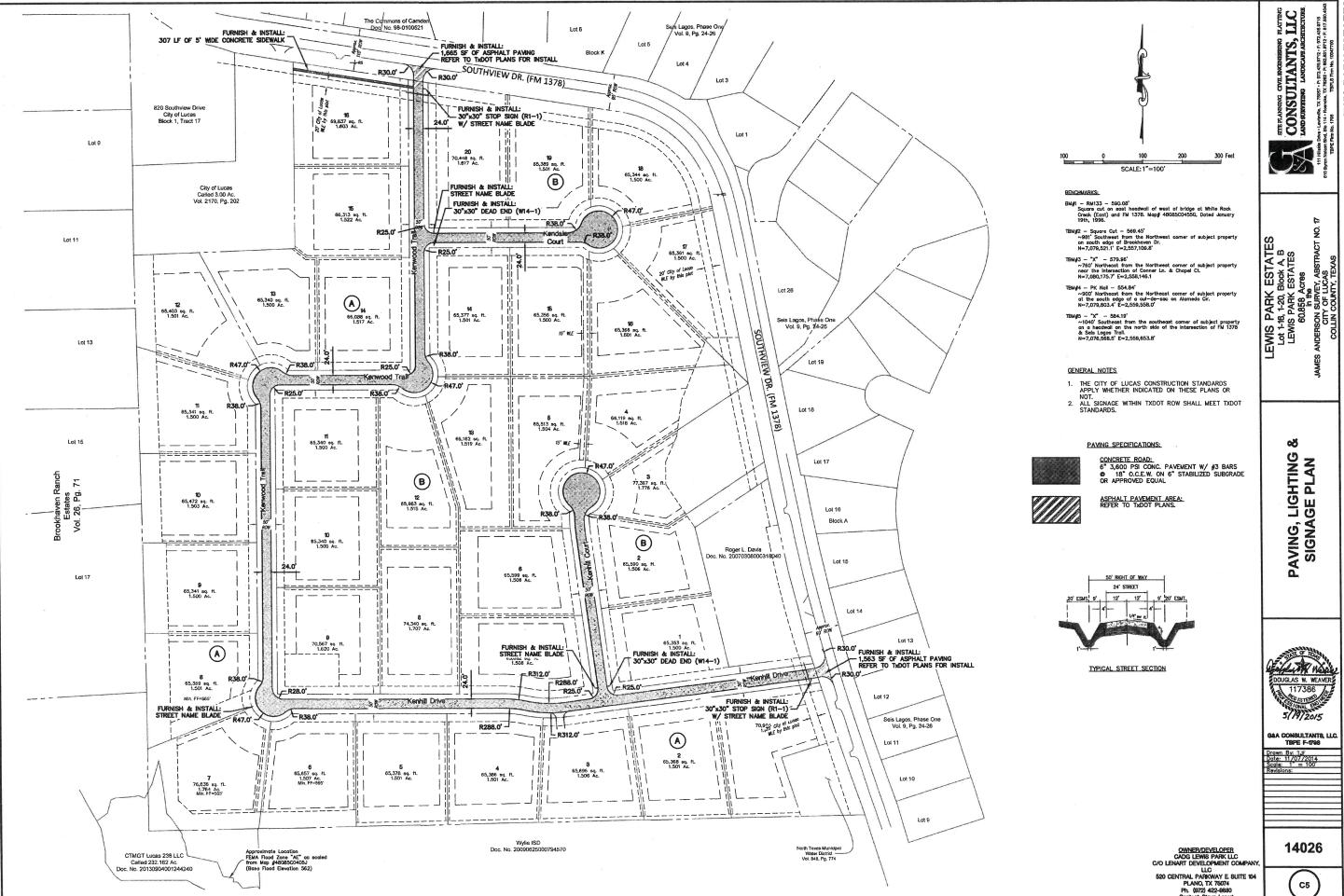


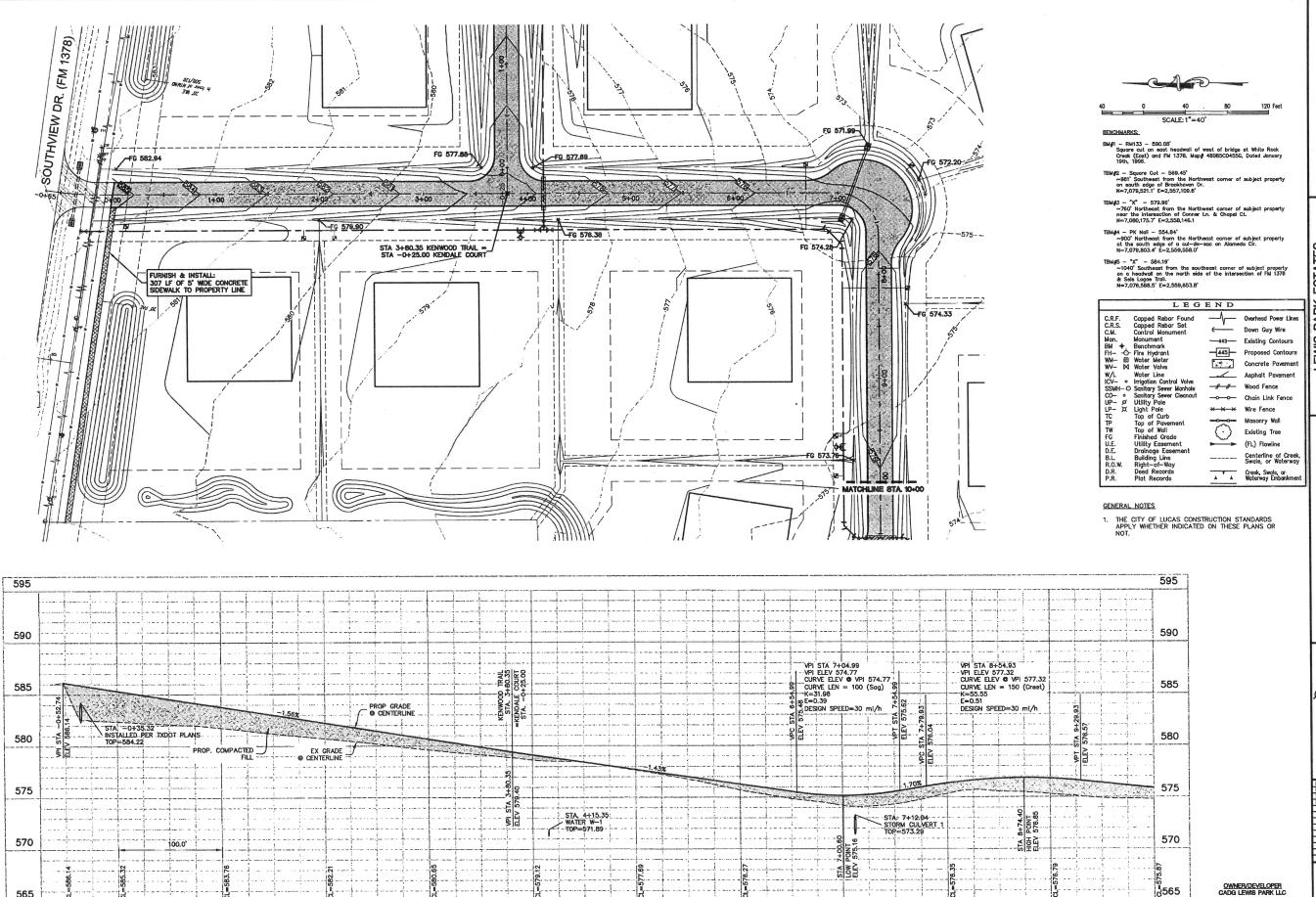
111 Hillistic Drive - Lewisville, TX 76057 - P: 972.436.9712 - F: 972.436.9715 910 Byron Nielson Bivd, Ste 114 - Roanoke, TX 76262 - P: 682.831.9712 - F: 817.890.404

DRAWN BY: DATE: 8/16/14 SCALE: 1"=100' JOB. No. 14026

2/2







565

-0+75

0+00

1+00

2+00

3+00

4+00

5+00

KENWOOD TRAIL

6+00

7+00

8+00

LEWIS

CONSULTANTS, IAMENTALES

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LEWIS PARK I Lot 1-16, 1-20, BI LEWIS PARK E

PLAN & KENWOOD TRAIL P PROFILE STA 0+00 T

LAK W DOUGLAS W. WEAVER 117386 5/19/2015

G&A CONSULTANTS, LLC. TBPE F-1798

14026

C6

OWNER/DEVELOPER CADG LEWIS PARK LLC

LIC 520 CENTRAL PARKWAY E SUITE 104 PLANO, TX 75074 Ph. (972) 422-9880 Contact: Steve Lenart

10+00

9+00

SCALE: 1"=40'

BENCHMARKS:

BM#1 - RM133 - 590.08' Squore cut on east headwall of west of bridge at White Rock Creak (East) and FM 1378. Map# 48085C0455G, Dated January 19th, 1996.

TBM#2 - Square Cut - 569.45' or881' Southwest from the Northwest corner of subject property on south edge of Brodohaven Dr. N=7,079,521.1' E=2,557,109.8'

TBM#3 - "X" - 579.86' ~780' Northeast from the Northwest corner of subject property neer the Intersection of Conner Ln. & Chapel Ct. N=7,080,175.7' E=2,558,146.1

TBM#4 - PK Noil - 554.84'
~900' Northeast from the Northeast corner of subject property at the eauth edge of a cul-de-sac on Alameda Cr. N=7,079,803.4' E=2,559,558.0'

TBM#5 - "X" - 584.19'

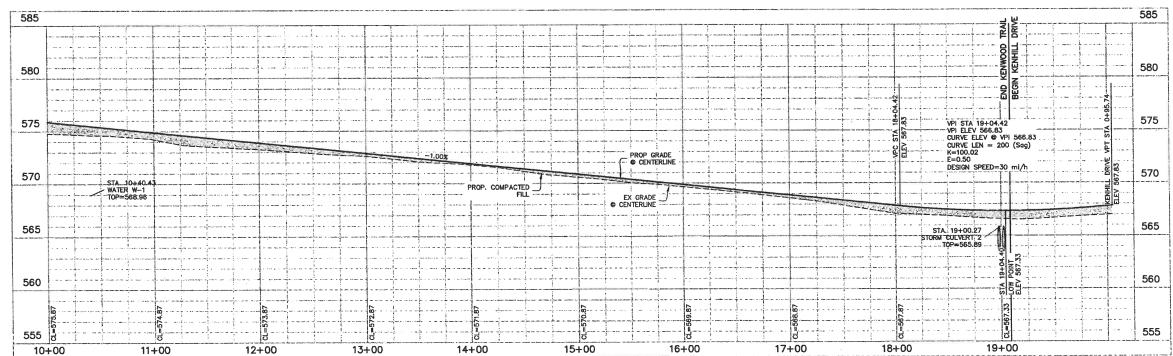
1040' Southeast from the southeast corner of subject property on a headwall on the north side of the intersection of FM 1378 & Sals Logos Trail.

N-7,076,568.5' E=2,559,653.8'

	LEG	END	
C.R.F.	Capped Rebar Found		Overhead Power Lines
C.R.S. C.M.	Capped Rebar Set Control Monument		Down Guy Wire
Mon. BM +	Monument Benchmark	443	Existing Contours
FH0-	Fire Hydrant	445	Proposed Contours
	Water Meter Water Valve		Concrete Pavement
W/L	Water Line	_/_	Asphalt Pavement
ICV- °	Sanitary Sewer Manhole	-#-#-	Wood Fence
00- o UP- ø			Chain Link Fence
LP- X	Light Pole	* * *	Wire Fence
TC TP	Top of Curb Top of Pavement		Masonry Wali
TW FG	Top of Wall Finished Grade	(·)	Existing Tree
U.E.	Utility Easement		(FL) Flowline
D.E. B.L. R.O.W.	Drainage Easement Building Line Right-of-Way		Centerline of Creek, Swale, or Waterway
D.R. P.R.	Deed Records Plot Records	AA	Creek, Swale, or Waterway Embankment

GENERAL NOTES

THE CITY OF LUCAS CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR NOT.



KENWOOD TRAIL

OWNER/DEVELOPER
CADG LEWIS PARK ILC
C/O LENART DEVELOPMENT COMP

LLC
520 CENTRAL PARKWAY E SUITE 104
PLANO, TX 75074
Ph. (972) 422-9880
Contact: Steve Lenart

DOUGLAS W. WEAVER G&A CONSULTANTS, LLC TEPE F-1798 Drawn By: TJF Date: 11/07/2014 Scale: H 1"=40; V 1"=4"

LEWIS PARK ESTATES

CONSULTANTS, I

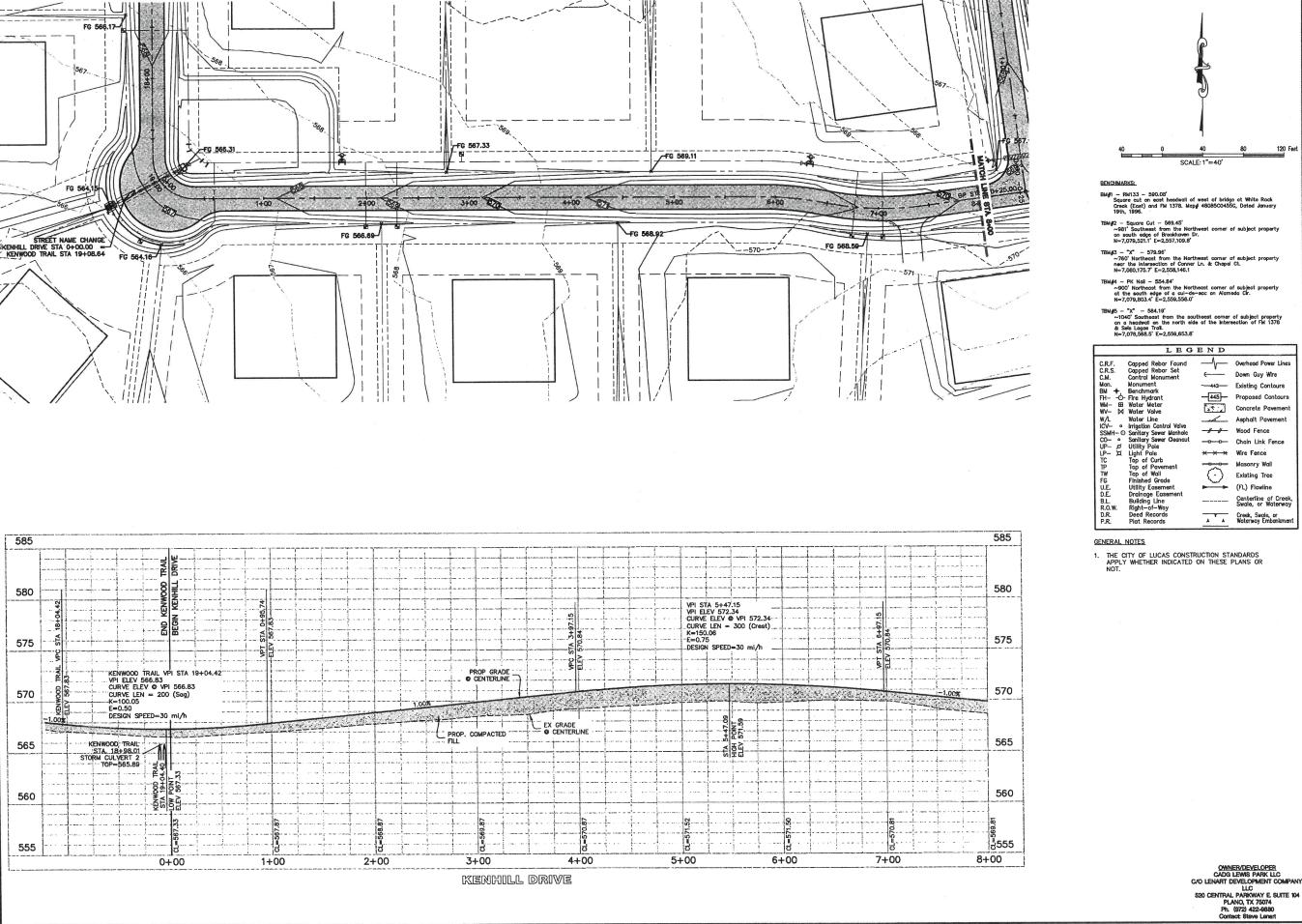
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LEWIS PARK ESTATES
Lot 1-16, 1-20, Block A, B
LEWIS PARK ESTATES
60.858 Acres
in the
line shorterson survey, abstract no
CITY OF LUCASA, A

KENWOOD TRAIL PLAN & PROFILE STA 10+00 TO STA 20+25

14026

C7



BM#1 — RM133 — 590.08'
Square cut on east headwall of west of bridge at White Rock
Creok (East) and FM 1378. Map# 48085C04556, Dated January
19th, 1996.

TBM#Z — Square Cut — 569.45'

~981' Southwest from the Northwest corner of subject property
on south edge of Brookhaven Dr.
N=7,079,521.1' E=2,557,109.8'

TBM#3 - "X" - 578.96'
~760' Northeast from the Northwest corner of subject property near the intersection of Conner Ln. & Chopel Ct. N=7.080,175.7' E=2,558,146.1

TBM#5 - "%" - 584.19'
~1040' Southeast from the southeast comer of subject property on a headwall on the north side of the intersection of FM 1378 & Sels Lagos Tral.
N−7,078,668.5 "=2.569,663.8'

ĺ		LEG	END	
	C.R.F. C.R.S. C.M.	Capped Rebar Found Capped Rebar Set Control Monument	- \-	Overhead Power Lines Down Guy Wire
١	Mon.	Monument	443	Existing Contours
١	BM ♣, FHO-	Benchmark Fire Hydrant	445	Proposed Contours
ı	₩M- EB ₩V- ⋈		4	Concrete Pavement
١	W/L	Water Line	_	Asphalt Pavement
I	SSMH-O	Irrigation Control Valve Sanitary Sewer Manhole	-#-#-	Wood Fence
I	CO o UP Ø	Sanitary Sewer Cleanout	-0-0-	Chain Link Fence
١	ιν- α		* * *	Wire Fence
	TC TP	Top of Curb Top of Pavement	-00	Masonry Wall
	TW FG	Top of Wall Finished Grade	(⋅)	Existing Tree
	U.E.	Utility Easement	→	(FL) Flowline
	D.E. B.L. R.O.W.	Drainage Easement Building Line Right—of—Way		Centerline of Creek, Swale, or Waterway
	D.R. P.R.	Deed Records Plat Records	AA	Creek, Swale, or Waterway Embankment

DOUGLAS W. WEAVER

KENHILL DRIVE PLAN & PROFILE STA 0+00 TO STA 8+00

LEWIS PARK ESTATES

CONSULTANTS, LLC
LADSURING LANDSCAPS ARCHITECTURE

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GRA CONSULTANTS, LLC TEPE F-1798

14026



LEWIS PARK ESTATES

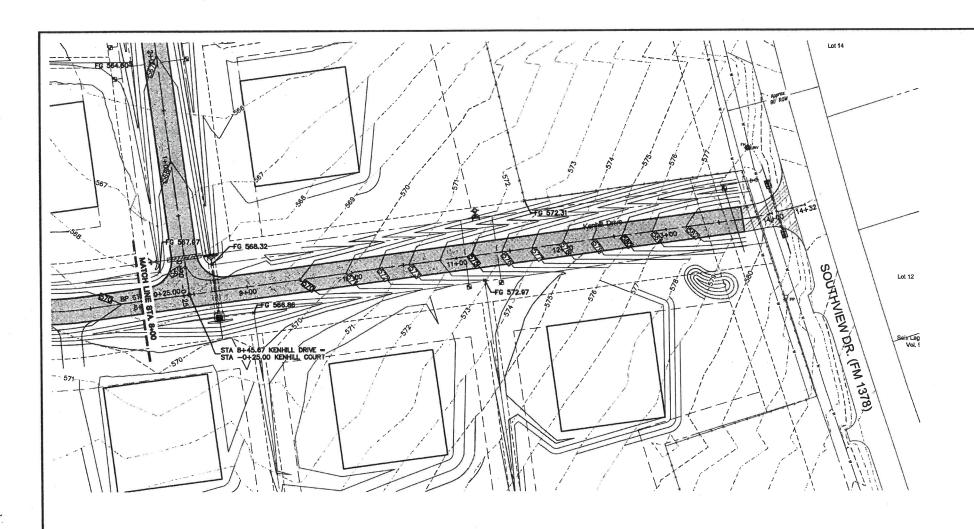
KENHILL DRIVE PLAN & PROFILE STA 8+00 TO STA 14+20

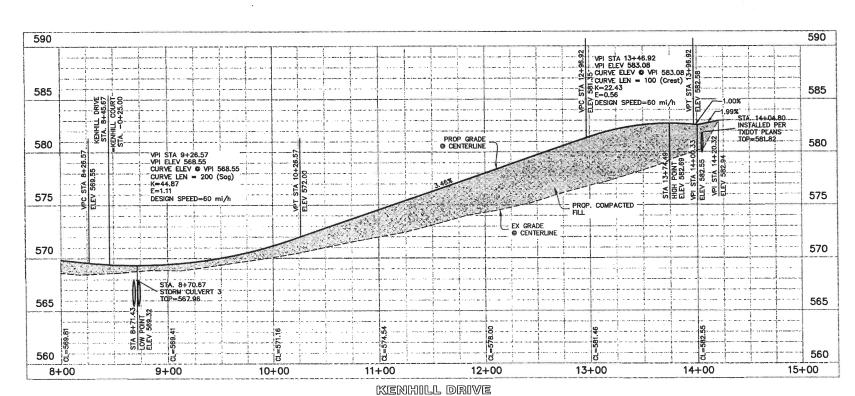
DOUGLAS W. WEAVER

G&A CONSULTANTS, LLC. TBPE F-1798

14026

C9





SCALE: 1"=40'

BM#1 - RM133 - 590.06' Square cut on east headwall of west of bridge at White Rock Creek (East) and FM 1376. Map# 48085C04556, Dated January 19th, 1996.

TBM#2 — Square Cut — 569.45'

~981' Southwest from the Northwest corner of subject property on earth edge of Brookhaven Dr.
N=7,079,521.1' E=2,557,109.8'

TBM#3 - "%" - 579.96'
~780' Northeast from the Northwest corner of subject property near the intersection of Conner Ln. & Chapel Ct. N=7,080,175.7' E=2,558,146.1

TBM#4 - PK Noil - 554.84' *900' Northeast from the Northeast corner of subject property at the south edge of a cull-de-sac on Alameda Cir. N=7,079,803.4' E=2,559,558.0'

TBM#5 - "X" - 584.19"

no 4hod/ Southeast from the southeast comer of subject property on a headwall on the north side of the intersection of FM 1378 & Sela Logos Trail.
N-7,076,56.5 E=2,559,653.8"

I		LEG	END	
I	C.R.F.	Capped Rebar Found		Overhead Power Line
١	C.R.S. C.M.	Capped Rebar Set Control Monument		Down Guy Wire
١	Mon.	Monument	443	Existing Contours
١	BM +	Benchmark		•
١		Fire Hydrant Water Meter	445	Proposed Contours
Į		Water Walve		Concrete Pavemen
١	W/L	Water Line	_/_	Asphalt Povement
1	ICV- o	Irrigation Control Valve Sanitary Sewer Manhole	-#-#-	Wood Fence
I	CO- •	Sanitary Sewer Cleanout		Chain Link Fence
ļ	UP- ¤	Utility Pole Light Pole	* * *	Wire Fence
1	TC	Top of Curb		Masonry Wall
1	TP.	Top of Pavement		•
1	TW FG	Top of Wall Finished Grade	(.)	Existing Tree
1	U.E.	Utility Easement		(FL) Flowline
	D.E.	Drainage Easement		Centerline of Cree
	B.L. R.O.W.	Building Line Right-of-Way		Swale, or Waterwa
1	D.R.	Deed Records		Creek, Swale, or
	PR	Plot Records	A ' A	Waterway Embankme

GENERAL NOTES

THE CITY OF LUCAS CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR NOT.

OWNER/DEVELOPER
CADG LEWIS PARK LIC
C/O LENART DEVELOPMENT COMPANY
LIC
520 CENTRAL PARKWAY E SUITE 104
PLANC, TX 75074
Ph. (972) 422-8690
Contact: Stove Lenert

E COURT F STA 0+00 1 9+50 KENDALE PROFILE S

THE CITY OF LUCAS CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR NOT.

SCALE: 1"=40"

BM#I - RM133 - 590.08' Square cut on east headwall of west of bridge at White Rock Crack (East) and FM 1378. Map# 48085C04556, Dated January 19th, 1996.

TBM#2 — Square Cut — 569.45' \sim 981' Southwest from the Northwest corner of subject on south edge of Brookhaven Dr. N=7,079,521.1' E=2,557,109.8'

TBM#3 - "X" - 579.86'
--750' Northeast from the Northwest corner of subject near the Intersection of Conner Ln. & Chapel Ct. N=7,080,175.7' E=2,558,146.1

TBM\$5 - "X" - 584.19"
~1040' Southeast from the southeast corner of subject property
on a headwall on the north side of the intersection of FM 1378
& Sels Lagos Troil.
N=7,076,563.5" E=2,559,653.8"

C Down Guy Wire -443- Existing Contours

_____ Asphalt Povement -a--a- Chain Link Fence ××× Wire Fence

Masonry Wall
Existing Tree

FL) Flowline Centerline of Creek
Swale, or Waterway

Creek, Swale, or A A Waterway Embankmen

Concrete Pavement

LEGEND

TBM#4 - PK Nail - 554.84' ~900' Northeast from the North at the south edge of a cul-de-N=7,079,803.4' E≈2,559,558.0'

C.R.F. Capped Rebar Found
C.R.S. Capped Rebar Found
Control Monument
Mon. Monument
Mon. Monument
Mon. Benchmark
FH- O- Fire Hydrant
WW- I Water Valve
W/L Water Valve
W/L Water Line
ICV- o Irrigation Control Valve
SMH- O Sanitary Sewer Manhole
CO- o Sanitary Sewer Cleanout
UP- Willity Pole
LP- W Light Pole
To fo of Curb
IP To of Pavernent
To fo Forde
U.E. Utility Edge
FG Finished Grade
U.E. Utility Edge
U.E. Utility Edge
Records
P.R. Plat Records
P.R. Plat Records

GENERAL NOTES

UGLAS W. WEA**VE**R 117386 117386 CISTER 5/19/2015

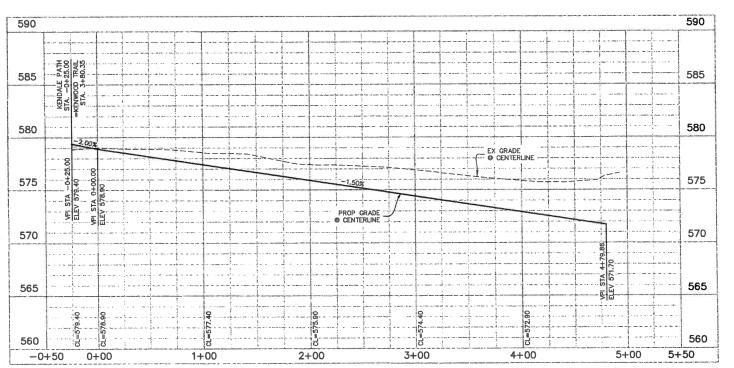
G&A CONSULTANTS, LLC TBPE F-1798

14026

C10

OWNER/DEVELOPER
CADG LEWIS PARK LLC
C/O LENART DEVELOPMENT COMPANY,
LLC
520 CENTRAL PARKWAY E. SUITE 104
PLANO, TX 75074
Ph. (972) 422-9880
Contact: Steve Lenart

₽£G 570.41 /FG 573.63 STA -0+25.00 KENDALE COURT =



KENDALE COURT

PARK ESTATES

LEWIS

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LEWIS PARK Lot 1-16, 1-20, B LEWIS PARK E

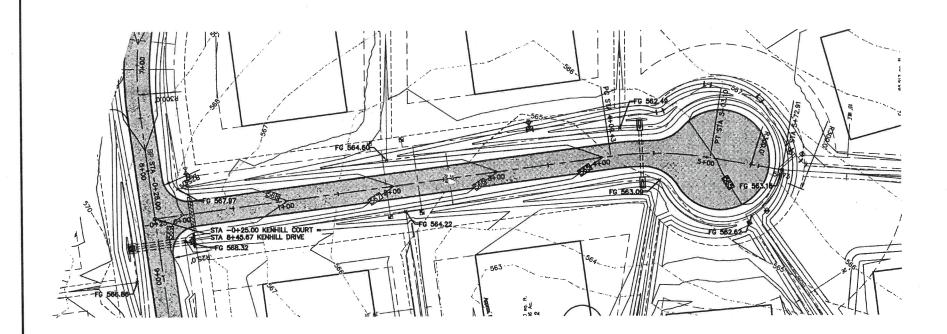
KENHILL COURT PLAN & PROFILE STA 0+00 TO STA 5+60

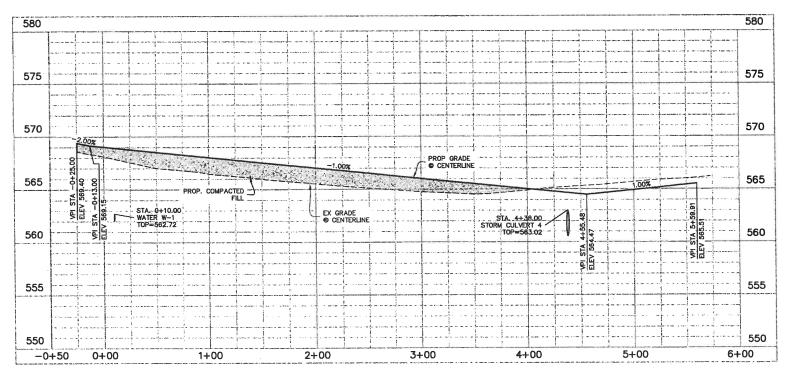
DOUGLAS W. WEAVER 5/19/2015

GAA CONSULTANTS, LLC TBPE F-1796

14026

C11





KENHILL COURT

C.R.F. Capped Rebar Found
C.R.S. Capped Rebar Set
C.M. Control Monument
Mon. Monument
BM + Benchmark
FH - C> Fire Hydrant
WM- EB Water Meter
W/- LW Water Valve
W/L Infigution Control Valve
SSMH- O Sanitary Sewer Monhole
CO - Sanitary Sewer Connout
UP- X Ught Pole
TC Top of Curb
TP Top of Pavement
TW Top of Wall
FG Finished Grade
U.E. Utility Easement
D.E. Drainage Sesement
B.L. Bulding Line
R.O.W. Right-of-Way
D.R. Deed Records
P.R. Plat Records Creek, Swale, or Waterway Emban GENERAL NOTES THE CITY OF LUCAS CONSTRUCTION STANDARDS
 APPLY WHETHER INDICATED ON THESE PLANS OR
NOT.

BM#1 - RM133 - 590.08' Square cut on east headwall of west of bridge at White Rock Creak (East) and FM 1378. Map# 48085C0455G, Dated January 19th, 1996.

IBM#2 - Square Cut - 569.45'
-981' Southwest from the Northwest corner of subject property
on south edge of Brookhoven Dr.
N=7,079,521.1' E=2,557,109.8'

TBM63 - "X" - 579.86" ~750" Northeast from the Northwest corner of subject property near the Intersection of Conner Ln. & Chapel Ct. N=7,080.175.7" E=2,558,146.1

LEGEND

Overhead Power Lines C Down Guy Wire -443- Existing Contours 445 Proposed Contours
Concrete Pavement ____ Aspholt Pavement -# Wood Fence -o-- Chain Link Fence

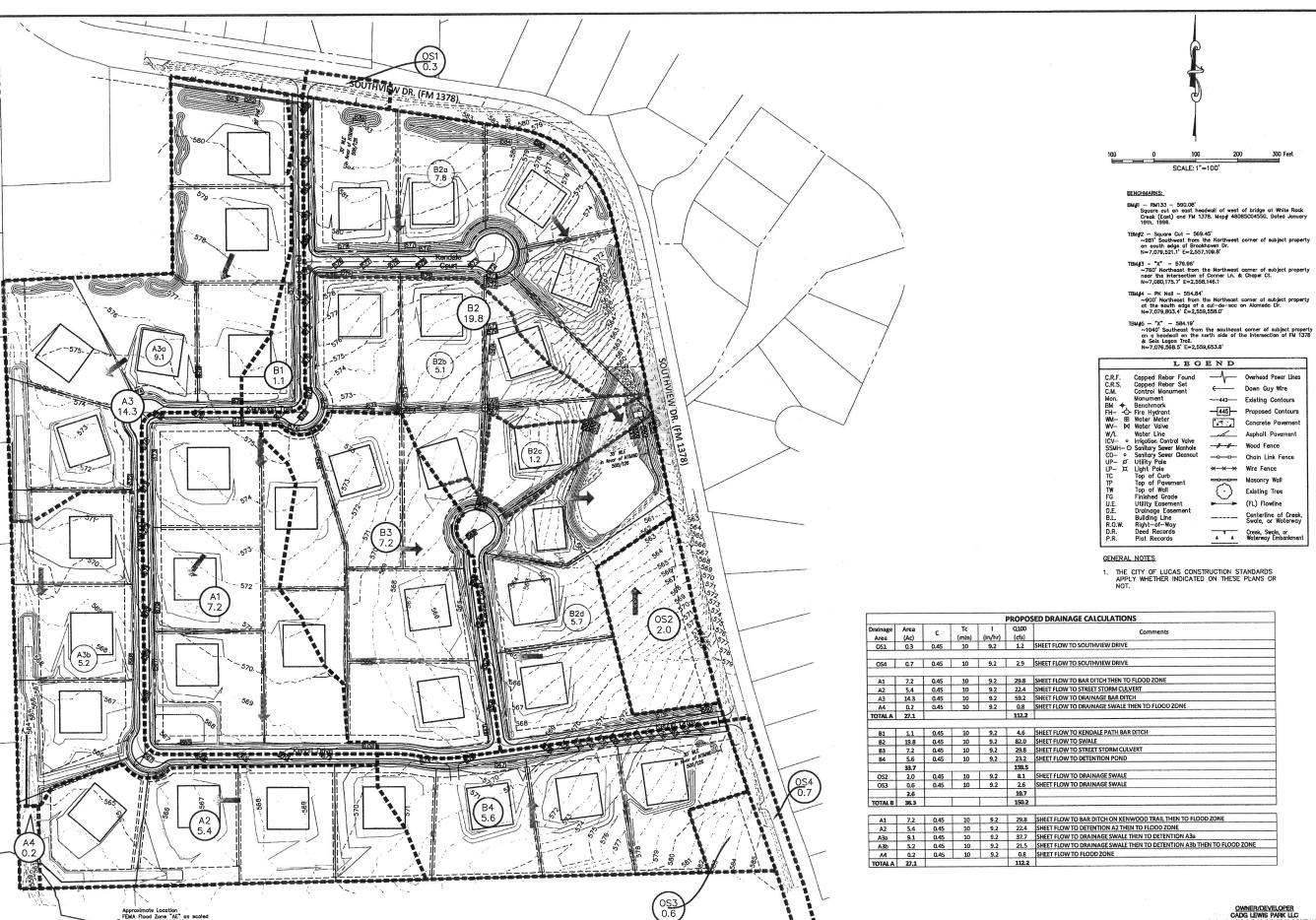
Masonry Wall
Existing Tree
(FL) Flowline Existing Tree

Centerline of Creek Swale, or Waterway

TBM#4 - PK Noil - 554.84'

~900' Northeast from the Northeast corner of subject p
at the south edge of o cul-de-soc on Alameda Cir.
N=7.079.803.4' E=2.559.558.0'





OWNER/DEVELOPER CADG LEWIS PARK LLC LLC 520 CENTRAL PARKWAY E SUITE 104

PARK LEWIS

CONSULTANTS, LLC
LAND SURVEYING LANDSCAFEARCHIFFCURE

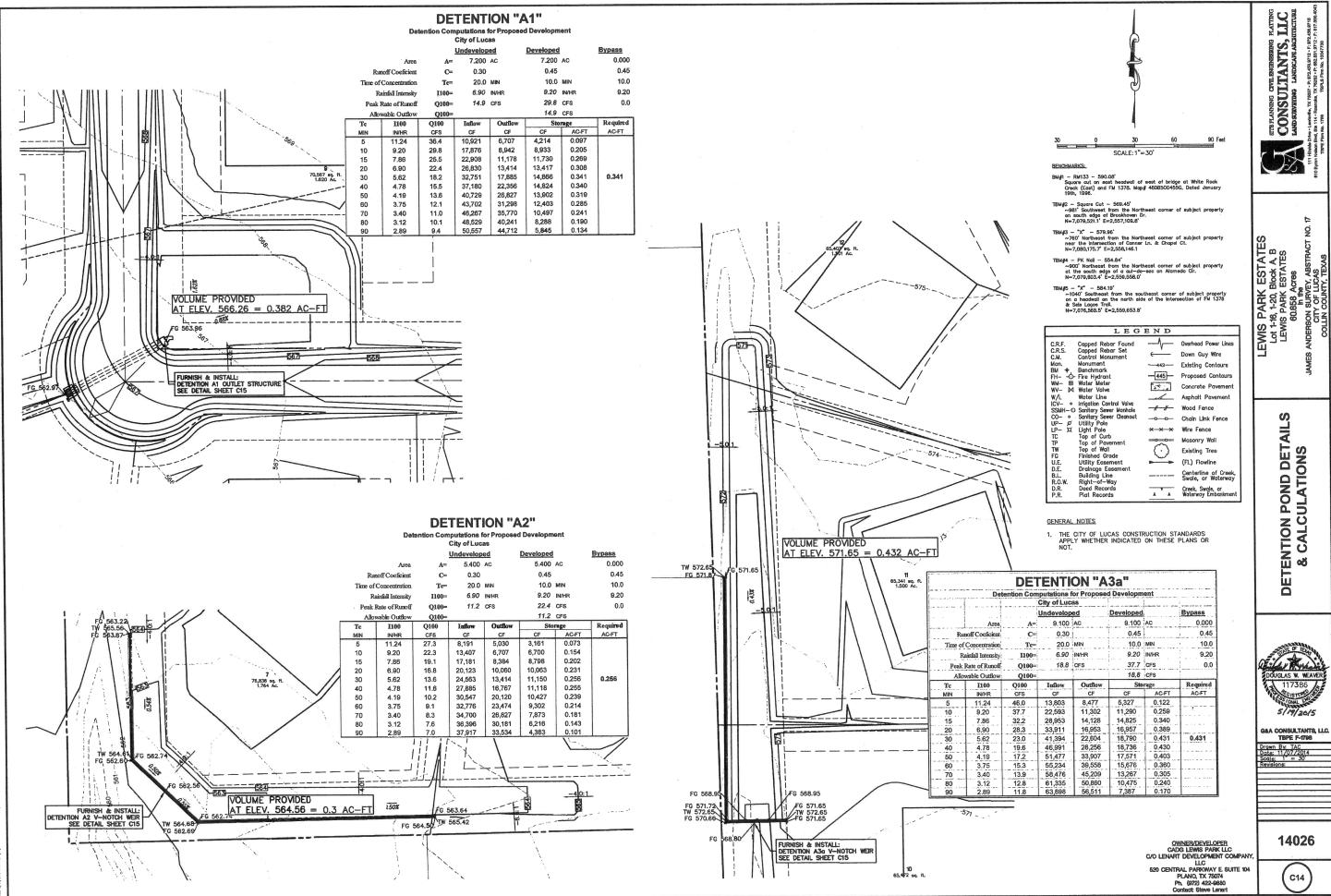
DRAINAGE OSED

Carried March OUGLAS W. WEAVER 117386

GRA CONSULTANTS, LLC TBPE F-1798

14026



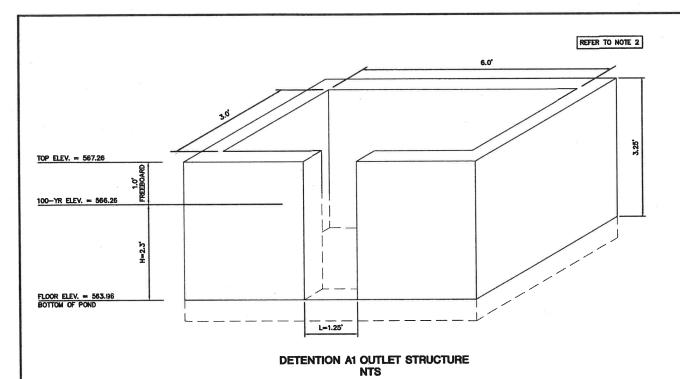


LEWIS

G&A CONSULTANTS, LLC TBPE F-1796

14026

(C15)



	REFER TO NOTE 2
TOP ELEV.	TOP WIDTH
100-Ak ETEA'	
BOTTOM OF POND ELEV.	
SOTION OF FOND ELEV.	
	V-NOTCH WEIR

V-NOTCH WEIR					
DETENTION AREA	Q (cfa)	Cw	∠ (°)	H (ft.)	TOP WIDTH
A2	11.00	2.77	95.00	1.75	3.75
A3a	18.80	1.78	60.00	2.85	3.20

DETENTION A1 OUTLET STRUCTURE

Q=CwLH^15

3.33

1.25

2.25

13.50

V-NOTCH WEIR ELEVATIONS					
DETENTION AREA	TOP ELEV.	100-YR ELEV.	BOTTOM OF POND ELEV.		
A2	565.56	564.56	562.56		
A3a	572.65	571.65	569.40		

BM#1 - RM133 - 590.08' Square cut on east headwall of west of bridge at White Rock Creak (East) and FM 1378. Map# 48085C04556, Dated January 19th, 1996.

TBM#2 - Square Cut - 568.45'
-981' Southwest from the Northwest corner of subject property on south edge of Brookhoven Dr.
N=7,079,521.1' E=2,557,109.8'

TBM#3 - "X" - 579.86"
~780" Northeast from the Northwest corner of subject property near the intersection of Conner Ln. & Chapel Ct. N=7,080,175.7" E=2,558,146.1

TBM#4 - PK Noil - 554.84'
~900' Northeast from the Northeast corner of subject property of the south edge of a cul-de-sac on Alameda Cir. N=7,079,803.4' E=2,559,558.0'

TBM\$5 = "X" = 584.19" on the southeast corner of subject property on a headwall on the north side of the intersection of FM 1378 & Seis Lagos Trail. N=7.076.685.5 "E=2.596.653.8"

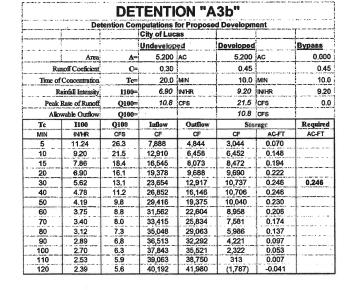
LEG	END	
C.R.F. Capped Rebar Found C.R.S. Capped Rebar Set C.M. Control Monument Mon. Mon. H— O- Fire Hydrant WM- B Water Meter WV- W Woter Valve WV.L Water Line ICV- o Irradution Control Valve	445	Overhead Power Lines Down Guy Wire Existing Contours Proposed Contours Concrete Povement Asphalt Pavement
SSMH-O Sanitary Sewer Manhole CO- • Sanitary Sewer Cleanout UP- Ø Utility Pole LP- X Light Pole TC Top of Curb	-0-0- × × ×	Wood Fence Chain Link Fence Wire Fence
TP Top of Pavement TW Top of Wall FG Finished Grade U.E. Utility Easement D.E. Drainage Easement	0	Masonry Wall Existing Tree (FL) Flowline
B.L. Building Line R.O.W. Right-of-Way D.R. Deed Records P.R. Plat Records		Centerline of Creek, Swale, or Waterway Creek, Swale, or Waterway Embankment

GENERAL NOTES

- THE CITY OF LUCAS CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR NOT.
 STRUCTURAL DESIGN IS TO BE PROVIDED BY OTHERS IF NEEDED.
 NOT TO SCALE (NTS).

OWNER/DEVELOPER
CADG LEWIS PARK LLC
C/O LENART DEVELOPMENT COMPANY,
LLC
520 CENTRAL PARKWAY E SUITE 104
PLANO, TX 75074
Ph. (972) 422-9880
Contact Steve Lenart

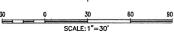
CONSULTANTS, LLC
LAND SURVEING LANDSCAPE ARCHITECTURE



RECTANGULAR WEIR				
DETENTION	Q (cfa)	Cw	L (ft)	H (ft.)
A3b	41.10	3.33	3.75	2.25
		Q=Cwl.H^1.5	-	

RECTAN	IGULAR V	VEIR ELEV	ATIONS
DETENTION AREA	TOP ELEV.	100-YR ELEV.	BOTTOM OF POND ELEV.
A3b	565.35	564.35	562.10





BENCHMARKS:

BM#1 - RM133 - 590.08'
Square cut on east headwall of west of bridge at White Rock Creak (East) and FM 137B. Map# 48085C0455G, Dated January 19th, 1988.

TBM#2 - Square Cut - 569.45'
~881' Southwest from the Northwest corner of subject property on south edge of Brookhoven Dr.
N=7,079,521.1' E=2,557,109.6'

TBM#3 - "X" - 570.86' ~750' Northeast from the Northwest comer of subject property near the intersection of Conner Ln. & Chapel Ct. N=7,080,176.7' E=2,558,146.1

TBM#4 - PK Noil - 554.84' ~900' Northeast from the Northeast corner of subject property at the south edge of a cull-de-sac on Alameda Cir. N=7,079,803.4' E=2,559,558.0'

TBMg5 - "X" - 584.18"

- 1040" Southeast from the southeast corner of subject property on a headwall on the north side of the intersection of FM 1378 & Sale Lagos Trail.

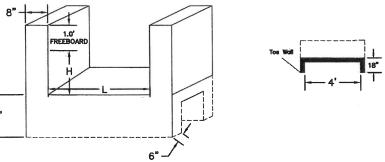
N-7,076,68.5 E-2,559,653.8"

	LEG	END	
C.R.F.	Capped Rebar Found		Overhead Power Lines
C.R.S. C.M.	Capped Rebar Set Control Manument	<u>- '</u>	Down Guy Wire
Mon.	Monument	~	
BM +	Benchmark	443	Existing Contours
THO-	Fire Hydrant	445	Proposed Contours
WM- ⊞	Water Meter Water Valve		Concrete Pavement
W/L	Water Line		Asphalt Pavement
ICV- •	Irrigation Control Valve		Wood Fence
SSMH-O		w n	WOOD I BIICE
UP- \a UP- \a	Sanitary Sewer Cleanout Utility Pole		Chain Link Fence
Ď- ã	Light Pole	* * *	Wire Fence
TC	Top of Curb		Masonry Watl
TP TW	Top of Pavement	\sim	•
FG FG	Top of Wall Finished Grade	(-)	Existing Tree
U.E.	Utility Easement		(FL) Flowline
D.E.	Drainage Easement		
B.L.	Building Line		Centerline of Creek Swale, or Waterway
R.O.W.	Right-of-Way		
D.R.	Deed Records		Creek, Swale, or
P.R.	Plat Records	A A	Waterway Embankmer

GENERAL NOTES

- THE CITY OF LUCAS CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR NOT.
 STRUCTURAL DESIGN IS TO BE PROVIDED BY OTHERS IF NEEDED.
 NOT TO SCALE (NTS).

REFER TO NOTE 2



RECTANGULAR WEIR



DETENTION POND DETAILS & CALCULATIONS

G&A CONSULTANTS, LLA TBPE F-1798

14026



NTS

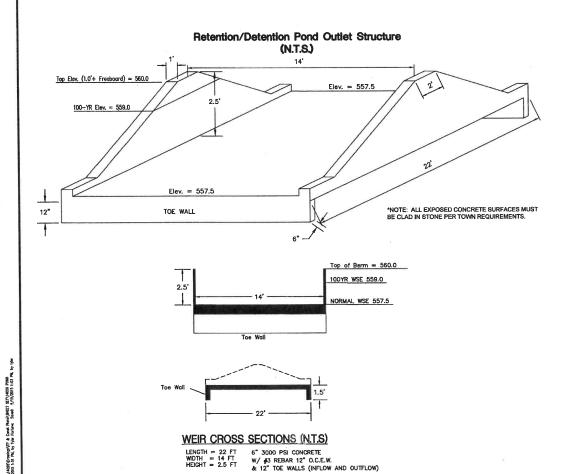
VOLUME PROVIDED

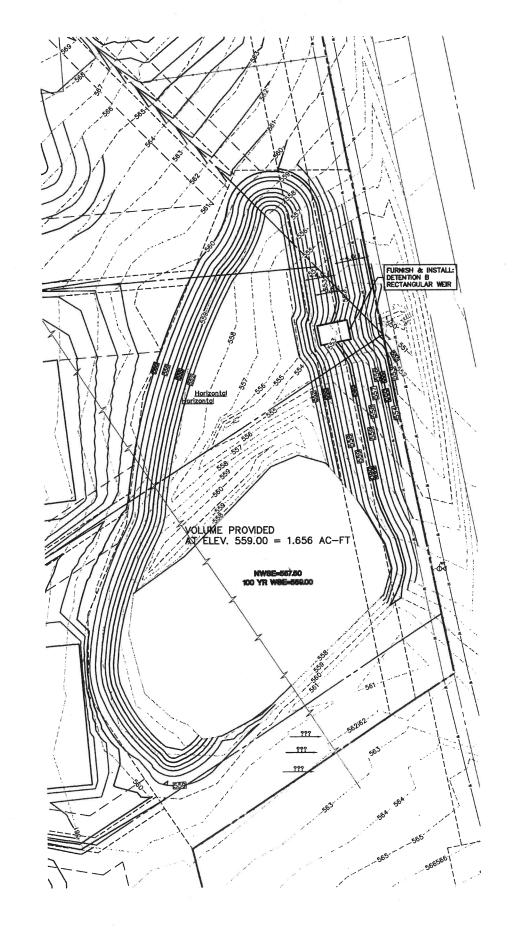
AT ELEV. 564.35 = 0.376 AC-FT

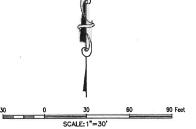
		DE	TENT	TION "	В"		
	Det	ention Con		for Propose f Lucas	d Developm	ent	
			Undevelop	ed	Developed		Bypass
	Area	A≔	37.700	AC	37.700	AC	0.000
R	moff Coeficient	C=	0.32		0.45	,	0.00
Time o	f Concentration	Tc=	20.0	MIN	10.0	MIN	0.0
I	Rainfall Intensity	I100=	6.90	INHR	9.20	INVHR	0.00
Peak	Rate of Runoff	O100=	83.3	CFS	156.1	CFS	0.0
Alk	wable Outflow	Q100=			83.3	CFS	1
Te	I100	Q100	Inflow	Outflow	Sto	Storage	
MIN	IN/HR	CFS	CF	CF	CF	AC-FT	AC-FT
5	11.24	190.6	57,185	37,506	19,679	0.452	1
10	9.20	156.0	93,598	50,007	43,591	1.001	
15	7.86	133.3	119,949	62,509	57,440	1.319	
20	6.90	117.1	140,487	75,011	65,476	1.503	
30	5.62	95.3	171,489	100,015	71,474	1.641	1,641
40	4.78	81.1	194,678	125,018	69,659	1.599	
50	4.19	71.1	213,263	150,022	63,241	1.452	
60	3.75	63.6	228,826	175,026	53,801	1.235	
70	3.40	57.7	242,257	200,030	42,227	0.969	
80	3.12	52.9	254,101	225,033	29,068	0.667	
90	2.89	49.0	264,720	250,037	14,683	0.337	

RECTANGULAR WEIR									
DETENTION AREA	Q (cfs)	Cw	L (ft)	H (N)					
8	83.30	3.33	14.00	1.50					
		Q=CwLH^1.5							

RECTAN	ECTANGULAR WEIR ELEVATIONS											
DETENTION AREA	TOP ELEV.	100-YR ELEV.	BOTTOM OF POND ELEV.									
В	560.00	559.00	557.50 NORMAL WSE									







BM#1 - RM133 - 590.08' Square cut on east headwall of west of bridge at White Rock Creok (East) and FM 1378. Map# 48085C0455G, Dated January 19th, 1998.

TBM#2 - Square Cut - 569.45'
~981' Southwest from the Northwest con south edge of Brookhaven Dr.
N=7,079,521.1' E=2,557,109.8'

TBM#3 - "X" - 579.96'
-780' Northeast from the Northwest corner of subject property nor the intersection of Conner Ln. & Chopel Ct. N=7.080,175.7' E=2,558,146.1

TBM#4 - PK Noll - 554.84'

~900' Northeast from the Northeast corner of subject property at the south edge of a cul-de-sac on Alameda Cir. N=7,079,803.4' E=2,559,558.0'

BM\$5 - "%" - 584.19"
~1040' Southeast from the southeast corner of subject property
on a headwall on the north side of the intersection of FM 1378
& Seis Lagos Trail.
N=7,078,588.3" E=2,559,653.6"

	LEG	END	
	i Rebar Found	- V	Overhead Power Lines
	l Rebar Set I Monument	<u>. </u>	Down Guy Wire
Mon. Monum		443	Existing Contours
FHO- Fire H	ydrant	445	Proposed Contours
WM- ⊞ Water WV- ⋈ Water			Concrete Povement
W/L Water			Asphalt Pavement
SSMH- O Sanitar		-#-#-	Wood Fence
CO- Sanitar UP- Ø Utility	y Sewer Cleanout	-0-0-	Chain Link Fence
LP- X Light	Pole	× × ×	Wire Fence
TC Top of	f Curb f Pavement		Masonry Wall
TW Top of	f Wall ad Grade	$\{\cdot\}$	Existing Tree
U.E. Utility	Easement	→	(FL) Flowline
B.L. Buildin	ge Easement ig Line -ofWay		Centerline of Creek, Swale, or Waterway
D.R. Deed	Records lecords		Creek, Swale, or Waterway Embankment

GENERAL NOTES

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 NOT TO SCALE (NTS).



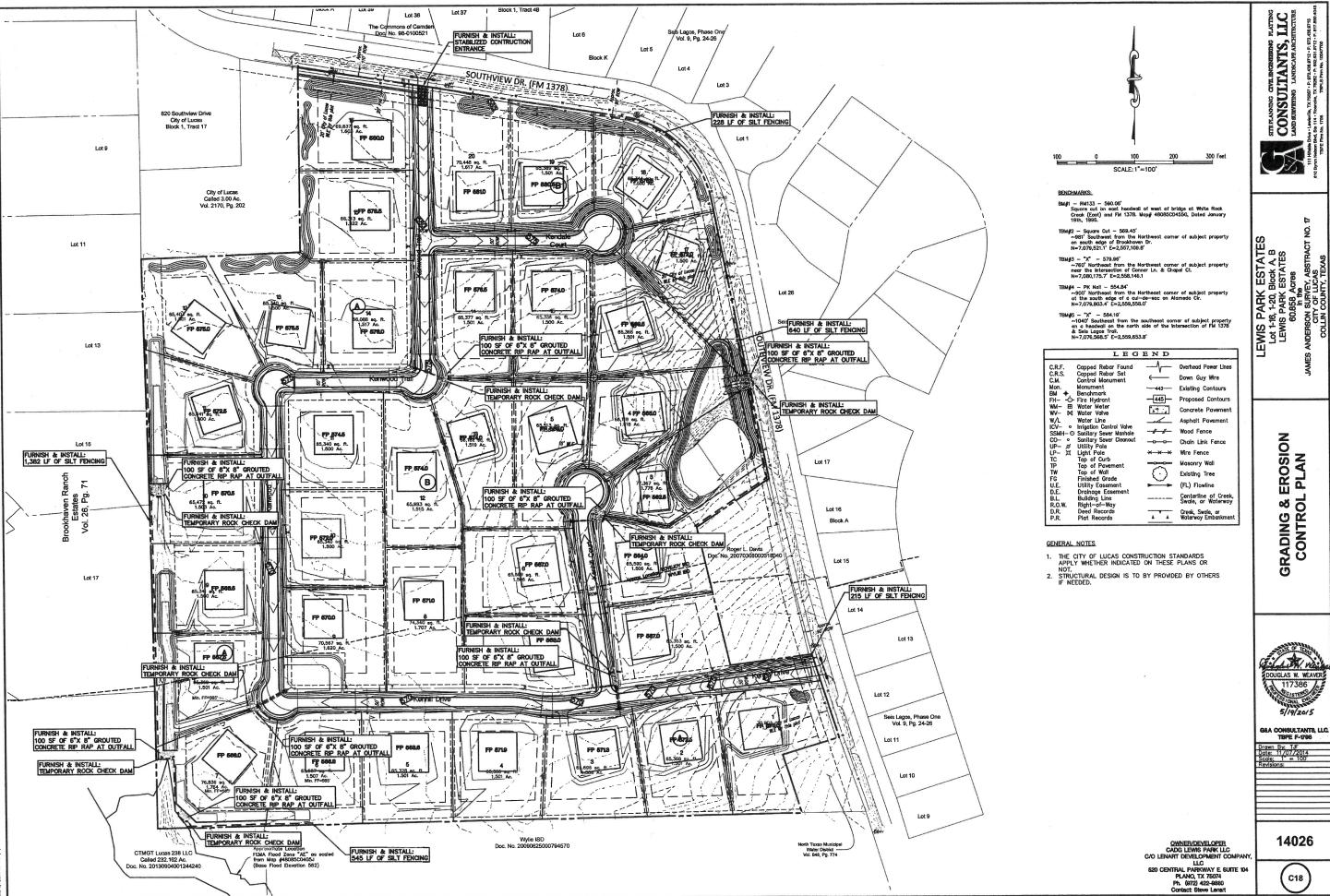
DETENTION POND DETAILS AND CALCULATIONS

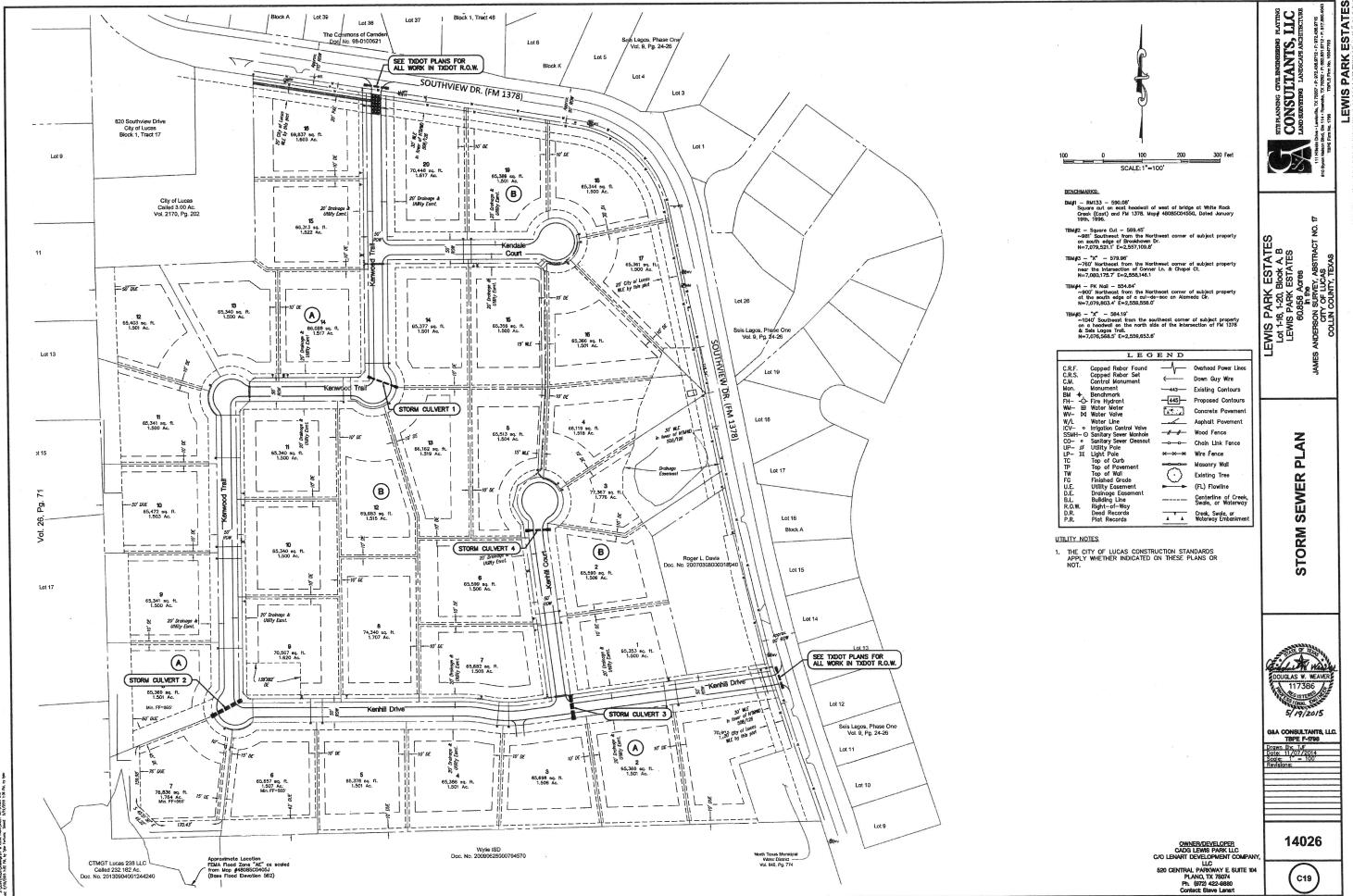


G&A CONSULTANTS, LLC TBPE F-1798

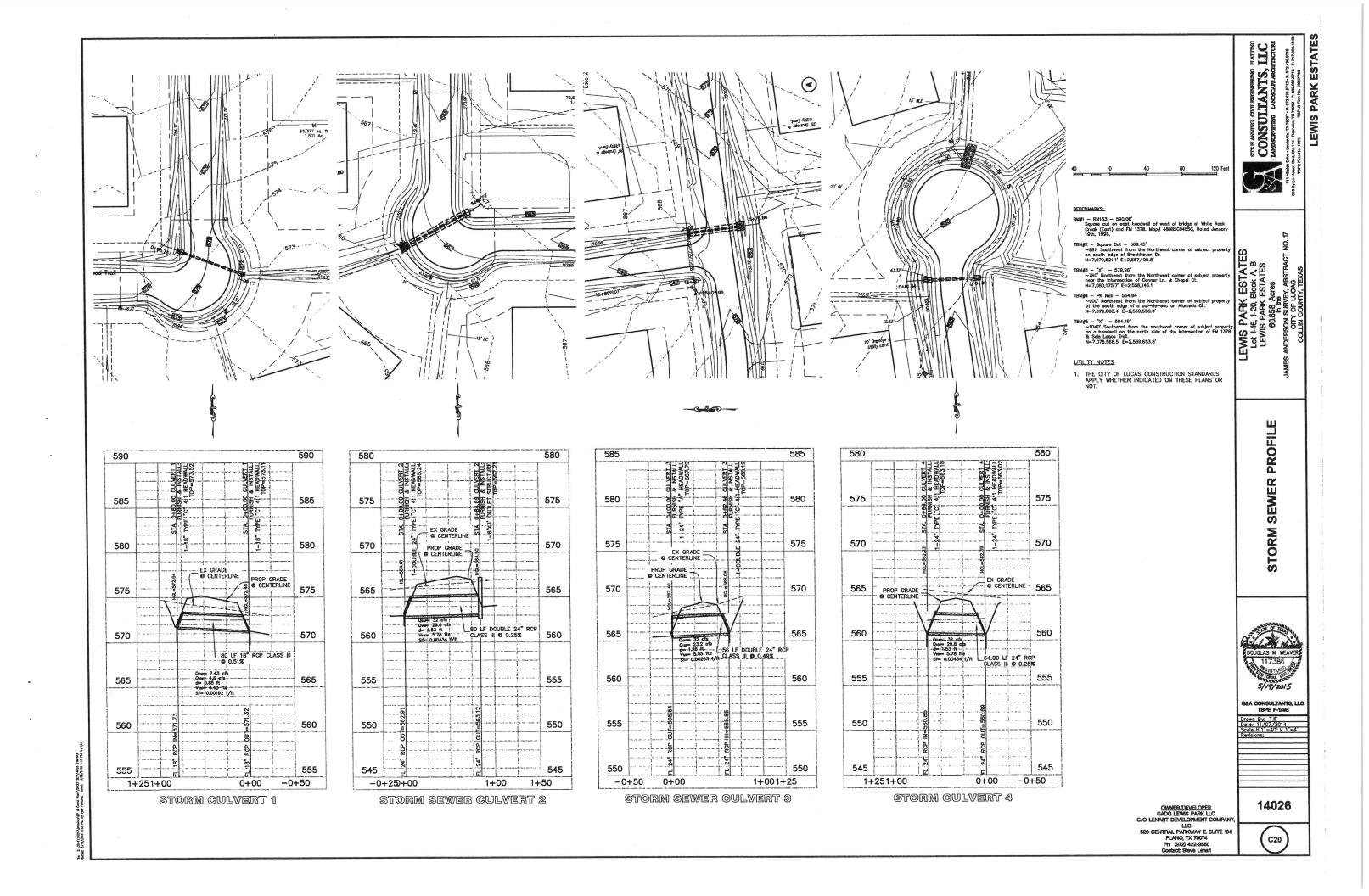
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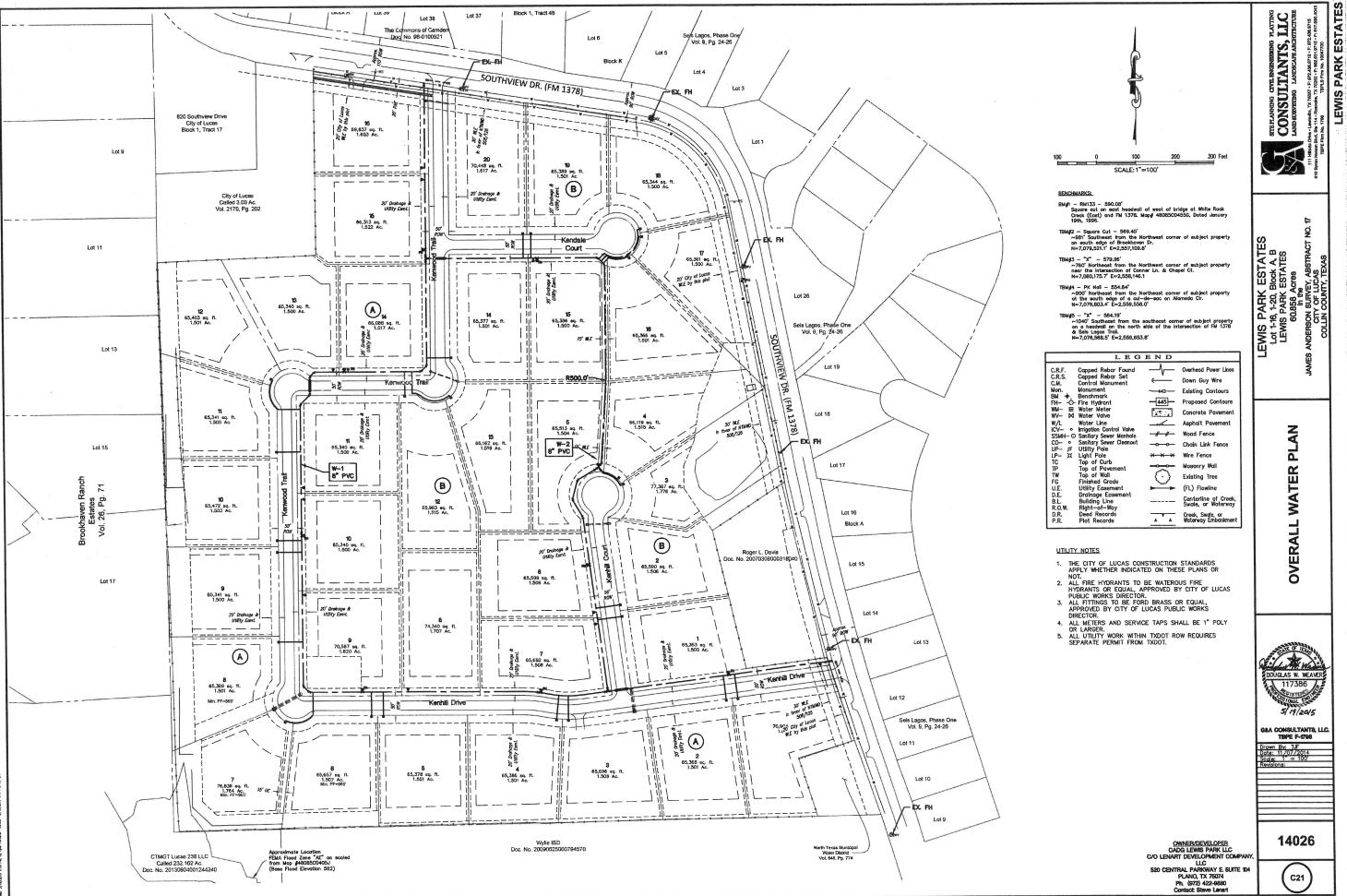
(C17)

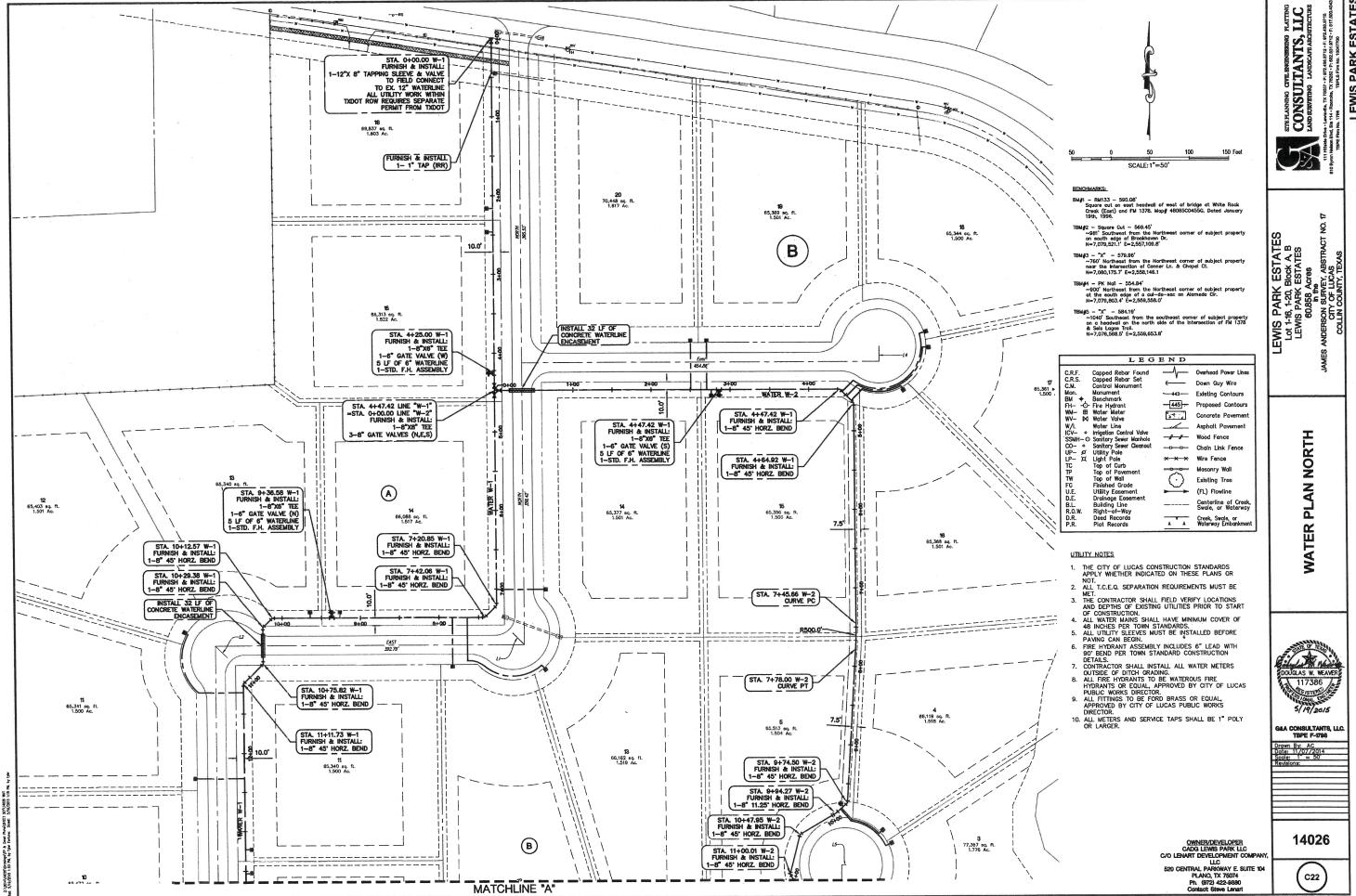


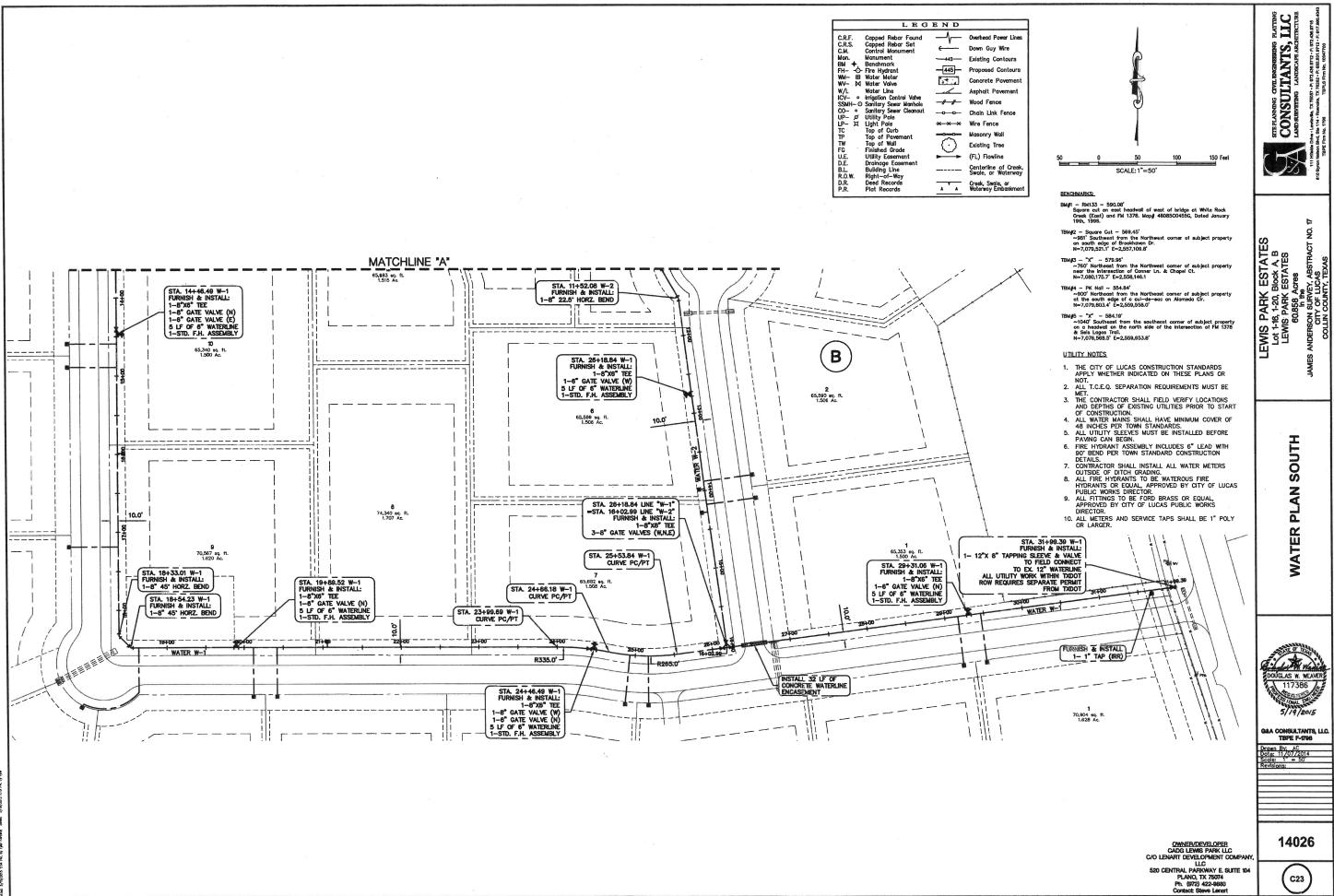


PARK

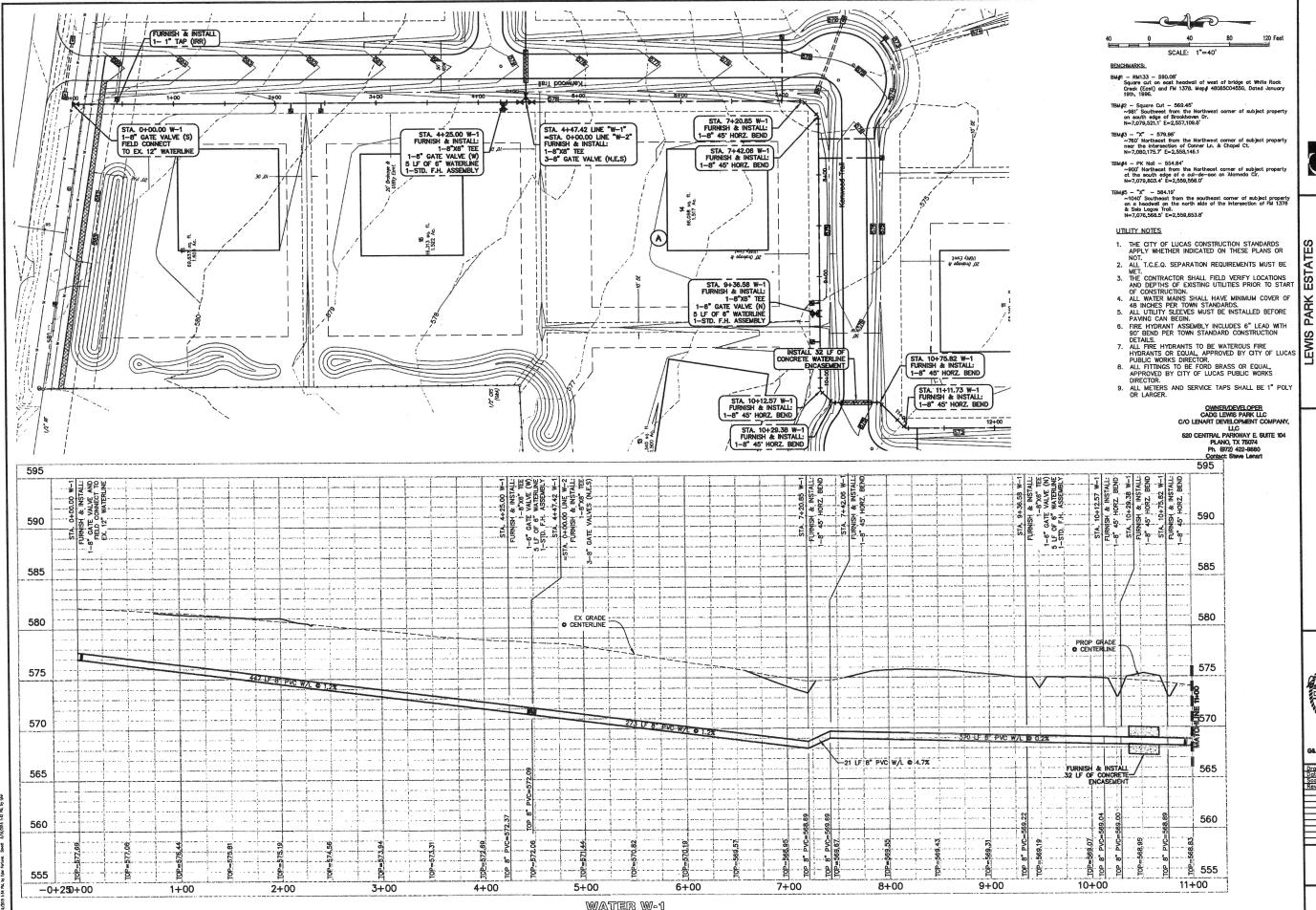








LEWIS



STR FLANDING CYLL BMCRUBBRING FLATTING
CONSULTANTS, LLC
LANDSCHRETING LANDSCHRACHTECTURE

Lot 1-16, 1-20, Block A, B
LEWIS PARK ESTATES
60.858 Acres
in the
JAMES ANDERSON SURYEY, ABSTRACT NC
CITY OF LUCAS

WATER PLAN & PROFILE LINE W-1 STA 0+00 TO STA 11+00



G&A CONSULTANTS, LLC TBPE F-1798

TRPE F-1798

gwn By: AC

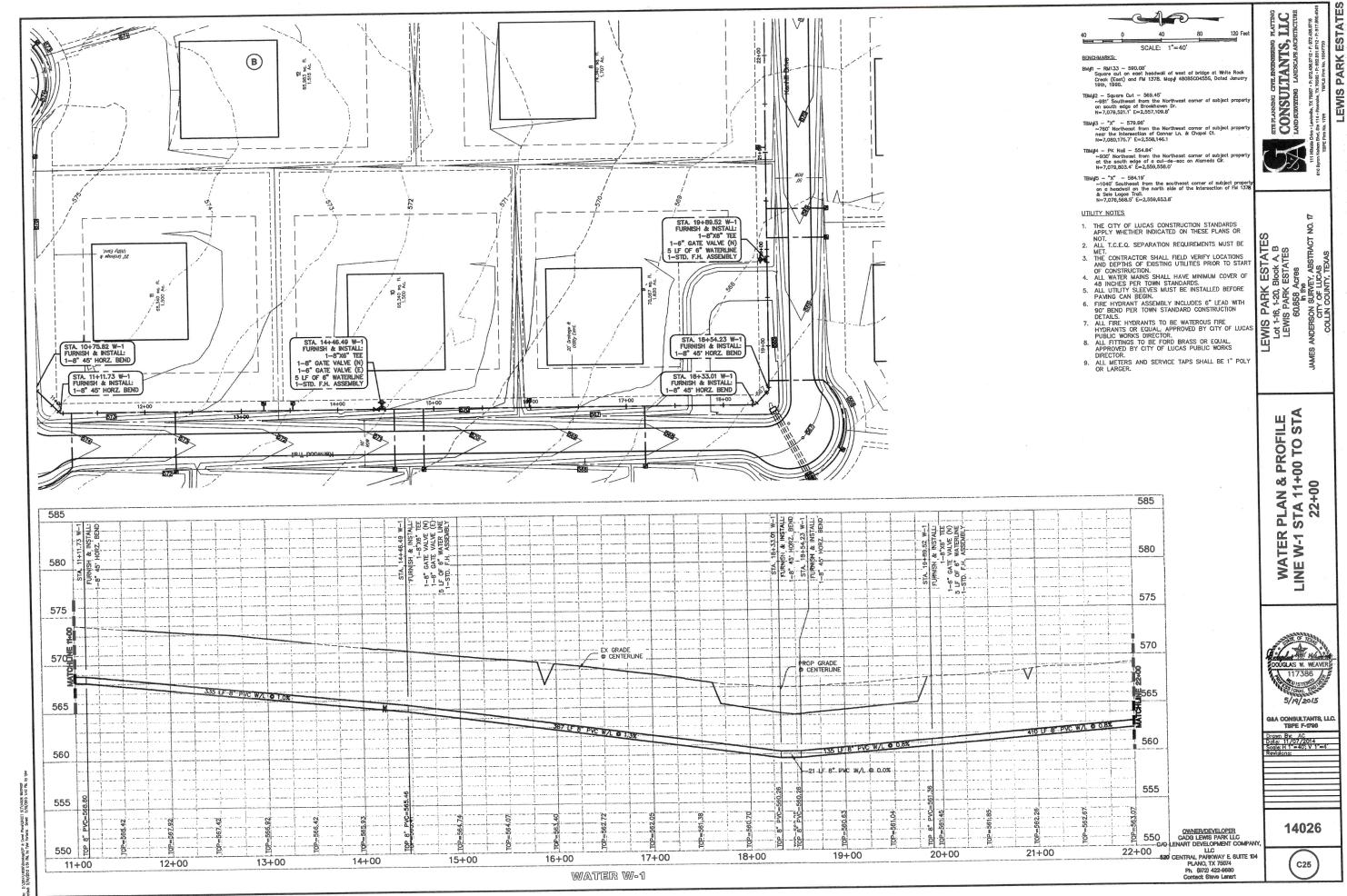
te: 11/07/2014

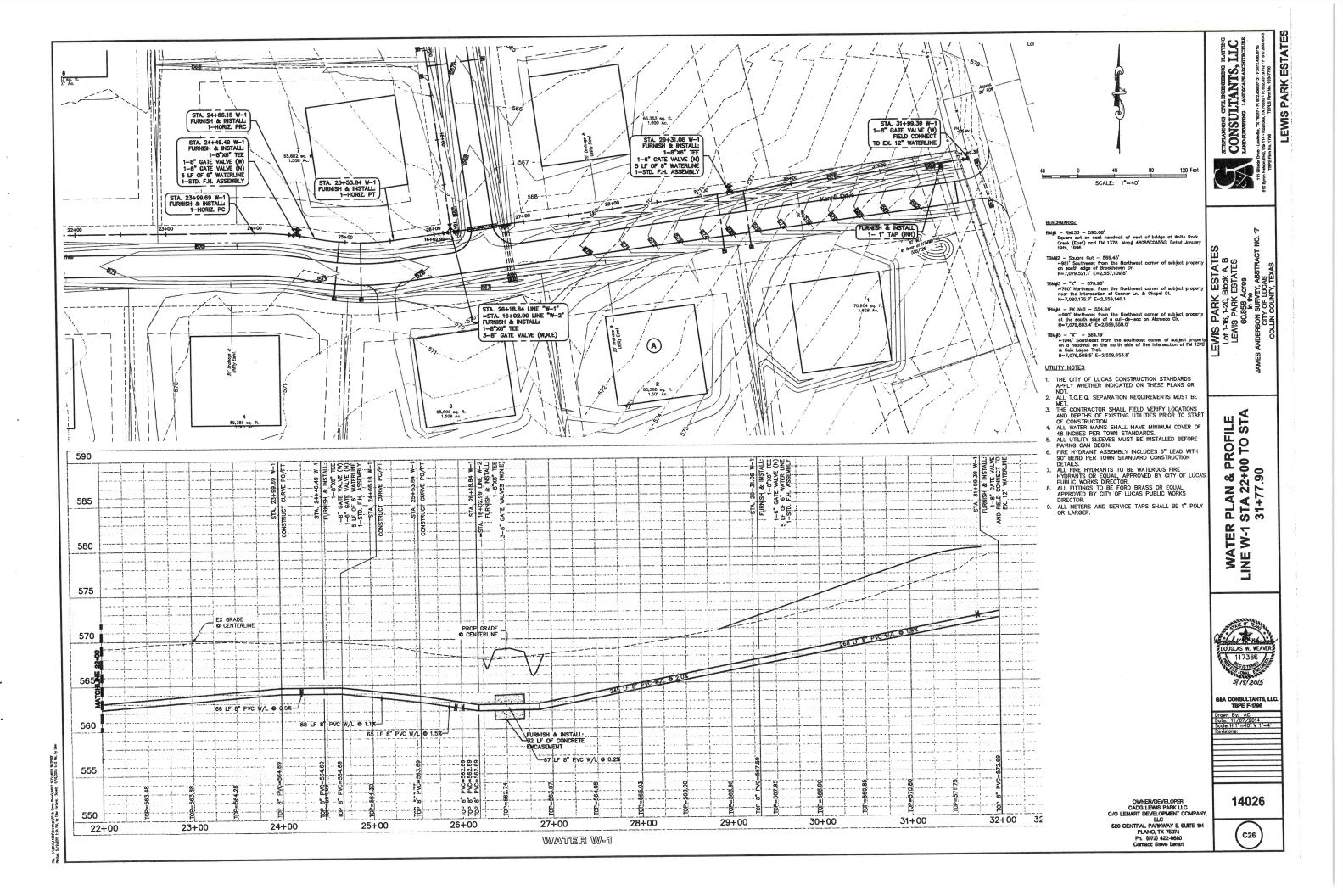
gle: H 1*=40; V 1*=4*

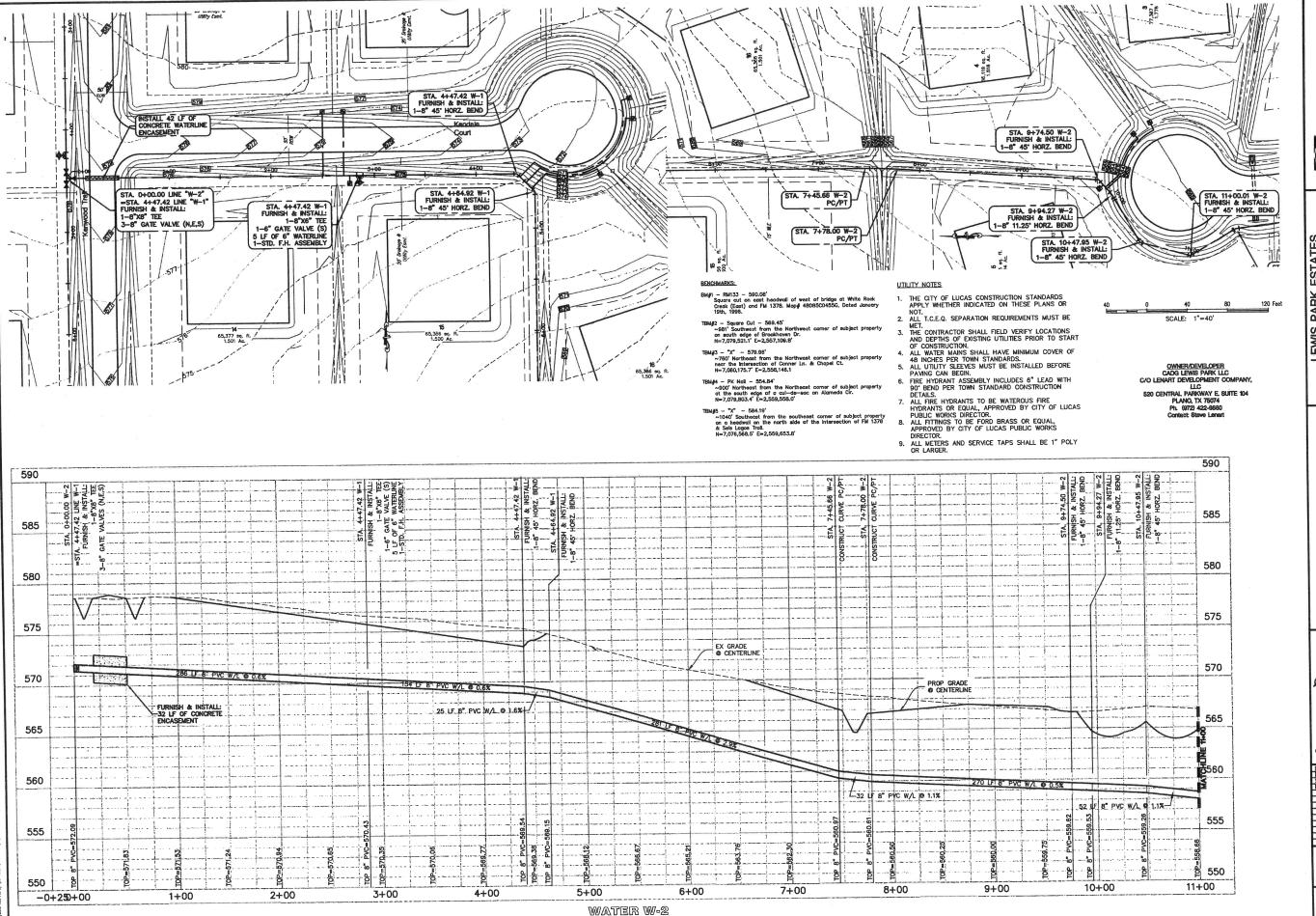
visions:

14026

C24







ESTATES

PARK

LEWIS

CONSULTANTS, 14ND SCHERES

LEWIS PARK I Lot 1-16, 1-20, BI LEWIS PARK E 60858, Ao

PLAN & PROFILE STA 0+00 TO STA 11+00 WATER I

Lank No. DOUGLAS W. WEAVER 117386 5/19/2015

G&A CONSULTANTS, LLI TBPE F-1798

14026

C27

ESTATES

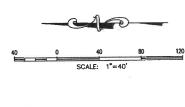
GRA CONSULTANTS, LLC TEPE F-1798

Drawn By: AC Dote: 11/07/2014 Scale: H 1"=40; V 1"=4" Revisions:

14026

C28

OWNER/DEVELOPER
CADG LEWIS PARK LLC
C/O LENART DEVELOPMENT COMPANY,
LLC
520 CENTRAL PARKWAY E SUITE 104
PLANO, TX 75074



BM#1 - RM133 - 590.08' Square cut on east headwall of west of bridge at White Rock Creak (East) and FM 1378. Map# 48085C04556, Dated January 19th, 1996.

TBM#2 - Square Cut - 569.45'
~981' Sauthwest from the Northwest corner of subject property
on eouth edge of Broodhrown Dr.
N=7,079,521.1' E=2,557,109.8'

TBM#3 - "X" - 578.96'
-780' Northeast from the Northwest corner of subject property near the intersection of Conner Ln. & Chapel Ct. N=7,080,175.7' E=2,558,146.1

TBM\$4 - PK Noil - \$54.84' ~900' Northeast from the Northeast corner of subject property at the southest adge of a cul-de-eac on Alameda Cir. N=7,079,803.4' E=2,559,558.0'

TBN#5 - "X" - 584.19'

- 1040' Southeast from the southeast corner of subject property on checkwall on the north side of the intersection of FM 1378 & Seis Lagos Trail.

N=7.076.68.5" E=2.509.653.8'

UTILITY NOTES

- THE CITY OF LUCAS CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR
- APPLY WHETHER INDICATED ON THESE PLANS OR NOT.

 2. ALL T.C.E.Q. SEPARATION REQUIREMENTS MUST BE MET.

 3. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND DEPTHS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.

 4. ALL WATER MAINS SHALL HAVE MINIMUM COVER OF 48 INCHES PER TOWN STANDARDS.

 5. ALL UTILITY SLEEVES MUST BE INSTALLED BEFORE PAYING CAN BEGIN.

 6. FIRE HYDRANT ASSEMBLY INCLUDES 6" LEAD WITH 90" BEND PER TOWN STANDARD CONSTRUCTION DETAILS.

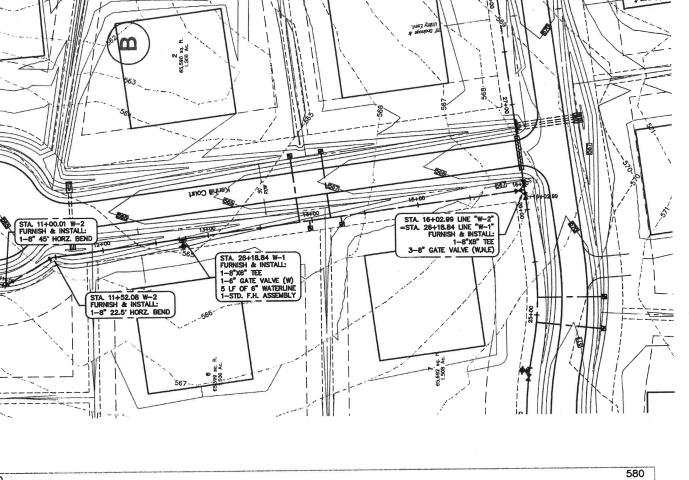
 7. ALL FIRE HYDRANTS TO BE WATEROUS FIRE HYDRANTS OR EQUAL, APPROVED BY CITY OF LUCAS PUBLIC WORKS DIRECTOR.

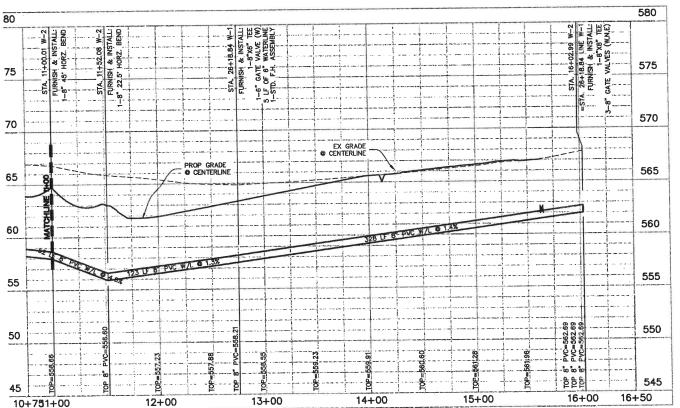
 8. ALL FITTINGS TO BE FORD BRASS OR EQUAL, APPROVED BY CITY OF LUCAS PUBLIC WORKS DIRECTOR.

 8. ALL METERS AND SERVICE TAPS SHALL BE 1" POLY

- DIRECTOR.

 9. ALL METERS AND SERVICE TAPS SHALL BE 1" POLY OR LARGER.





WATER W-2



CONSULTANTS, I

LEWIS PARK 1 Lot 1-16, 1-20, B LEWIS PARK E 60.858 Ar

DETAILS DRAINAGE STORM

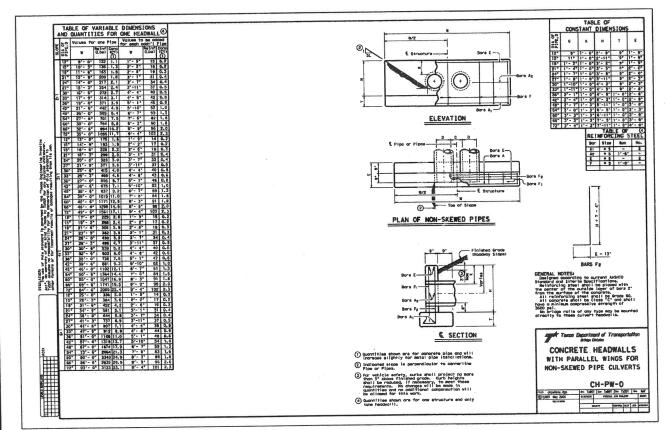
DOUGLAS W. WEAVER

Q&A CONSULTANTS, LLC TBPE F-1798

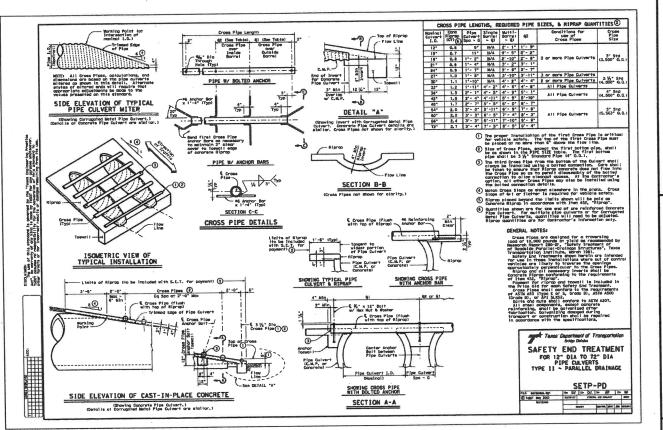
Drawn By, TJF Date: 11/07/2014 Scale: ######

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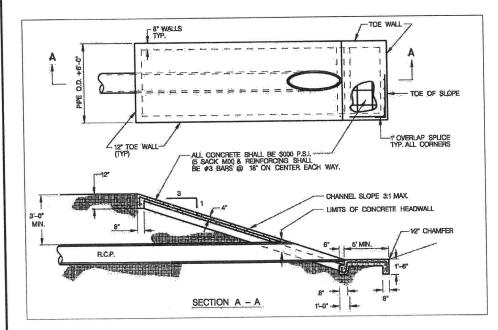
C29



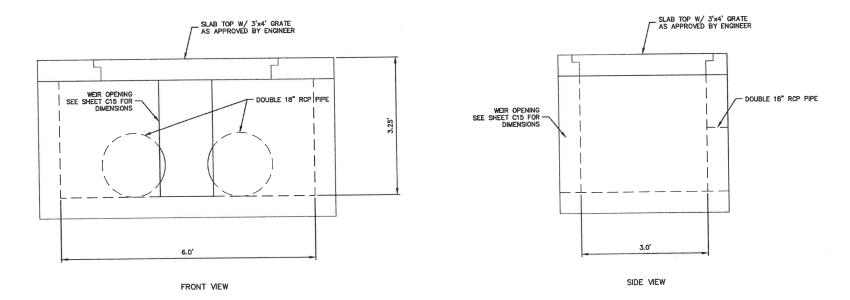
TYPE 'A' HEADWALL



DOUBLE TYPE 'C' 4:1 HEADWALL



TYPE 'C' 4:1 HEADWALL NOT TO SCALE



DETENTION 'A1' OUTLET STRUCTURE NOT TO SCALE

> OWNER/DEVELOPER C/O LENART DEVELOPMENT COMPAN C/O LENANT DEVELOPMENT COMPANY LLC 520 CENTRAL PARKWAY E SUITE 104 PLANO, TX 75074 Ph. (972) 422-9880 Contact Stave Lenart

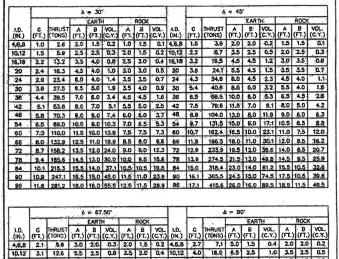


GENERAL NOTES:

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3. ALL METERS AND SERVICE TAPS SHALL BE 1" POLY OR LARGER.



		a = 01.00															
	G THRUST	1		EARTH		ROCK						EAR	TH.		ROCK		
LD.		THRUST (TONS)	(FT.)	(FT.)	VOL. (C.Y.)	(FT,)	B (FT.)	VOL (C.Y.)	LD.		THRUST (TONS)	(FT.)	(FT.)	VOL.	(Ft.)	B (FT.)	VOL.
4,6,8	2.1	5.6	3.0	2,0	0.3	2.0	1.6	0.2	4,6,8	2.7	7,1	5.0	1.5	0.4	2.0	2.0	0.2
10,12	3.1	12.6	5.5	2.5	0.8	3.5	2.0	0.4	10,12	4.0	16.0	6.5	2.5	1.0	3.5	2.5	0.5
16,18	4.7	28.3	7,5	4.0	1.9	5.5	3.0	0.9	16,18	6.0	36.0	8.0	4.0	2.4	4.5	4.0	1:0
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2	20	6.8	44.4	10,0	4.5	3.1	6,0	4.0	1,5
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.6	24	7.9	64.0	14,5	4.5	5.0	8.0	4.0	2.1
30	7.8	58.9	12.0	5.0	4.8	7.5	4.0	2.2	.30	9.9	75.0	15.0	5.0	6.7	10.0	4.0	3.3
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8	36	11.9	108.0	18.0	6,0	11,4	12:0	4.5	5.3
42	10.9	115.5	17,0	7.0	12.8	11.0	5,5	6.3	42	13,9	147.0	21.0	7:0	17.8	14.0	5.5	8.7
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9,2	48	15.9	192.0	24.0	8.0	26.2	16.0	6.0	124
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9	54	17.9	243,0	27.0	9.0	36.9	18.0	7.0	18.1
60	15.6	235.8	24.0	10.0	35.6	16.0	7,5	17.8	60	19.9	299.8	30.0	10.0	50.3	20,0	7.5	24.0
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0	66	21.8	362.8	33.0	11.0	56.2	22.0	8.5	32.5
72	18.7	339.5	28.5	12.0	57.B	19.0	9.0	28.4	72	23.8	431.8	36,0	12.0	85.6	24.0	9.0	41.0
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4	78	25.7	506.7	39.0	13.0	108.2	26.0	10.0	53.2
84	21.8	4621	33.5	14,0	94.7	22.0	10.5	46.5	84	27.7	587.7	42.0	14.0	134.4	28.0	10.5	64.8
90	23.3	530.5	35,5	15.0	114.4	24.5	11.0	58.2	90	29.0	674.6	45.0	15.0	164,9	30.0	11.5	81.2
96	24.9	603.6	_		138.9		12.0	70,0	96	31.6	767.5	48.0	15.0	199.0	32.0	12.0	95,1

NOV. 96 4010C

6.7.

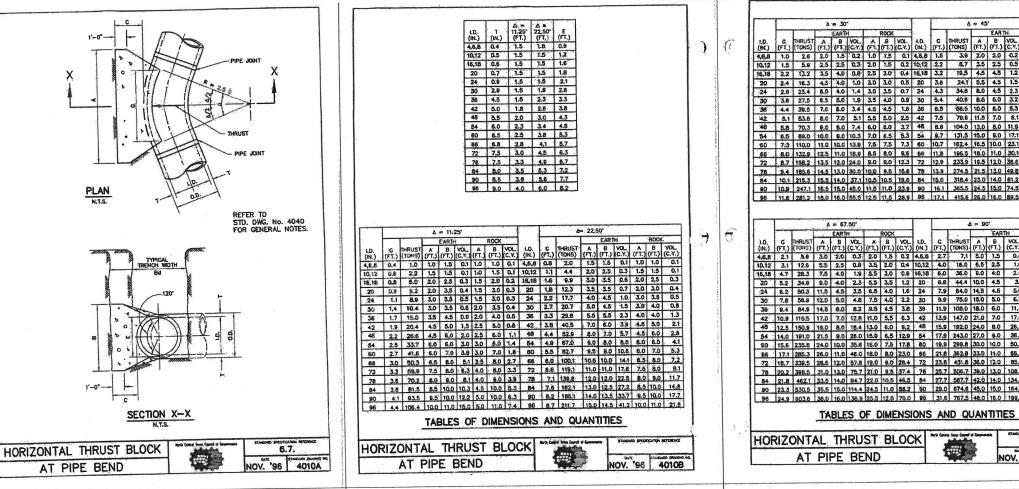
STANDARD WATER DETAILS

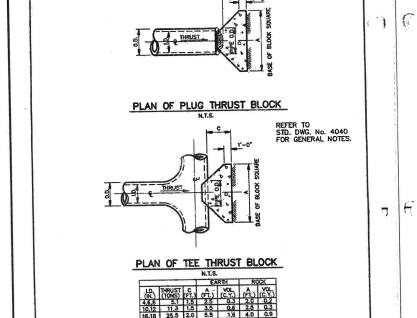


C/O LENART DEVELOPMENT COMPAN'
LC
520 CENTRAL PARKWAY E SUITE 104
PLANO, TX 75074
Ph. (972) 422-6880
Contact: Steve Lenart

C30

14026



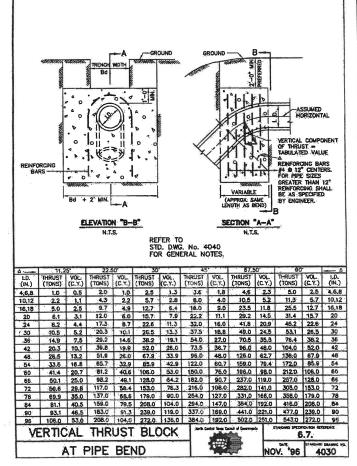


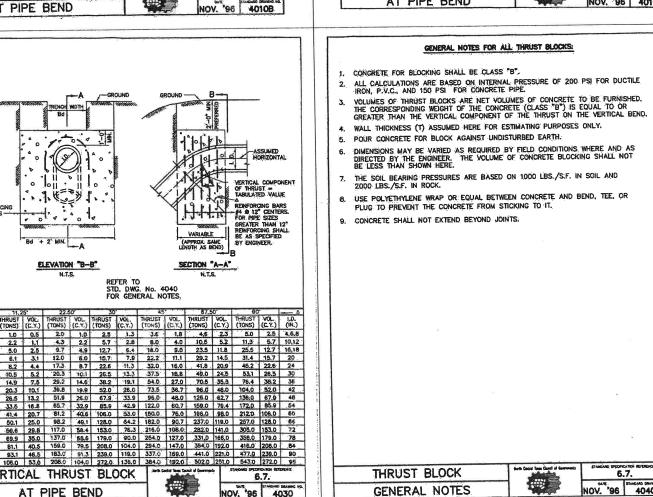
Correl lour Court of Corr

HORIZONTAL THRUST BLOCK

AT TEES AND PLUGS

6.7.



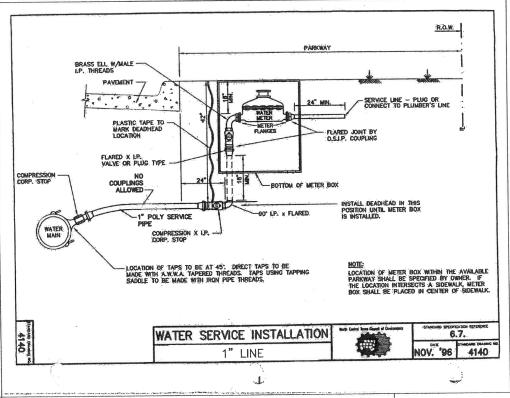


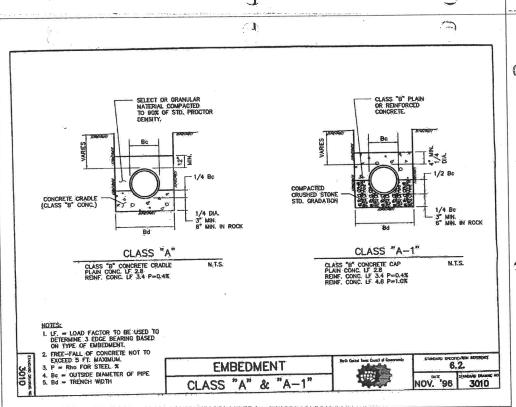
- 8. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND, TEE, OR

G&A CONSULTANTS, LLC TBPE F-1796

14026

C31





FIRE HYDRANT

INSTALLATION

NOTES:

3'-0" MIN. 8'-0" MAX.

WATEROUS

THRUST BLOCK MUST NOT BLOCK WEEP HOLE

CONC. PAD CLASS "A" CONCRETE, IN UNPAVED AREAS

IN GENERAL, ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER, WORKS SERVICE, C-602. FIRE HYDRANTS SHALL HAVE A 5 1/4" MIN. VALVE OPENING AND A BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE.

5, SET FIRE HYDRANT ON THE LOT LINE EXTENDED WHEN POSSIBLE. 7. F.H. SHALL BE LOCATED MINIMUM 1 FT. OUTSIDE OF THE AREA BETWEEN THE P.C.'S OF THE CORNER TURNING RADII AT INTERSECTIONS. (SEE PLAN VIEW)

PLAN VIEW

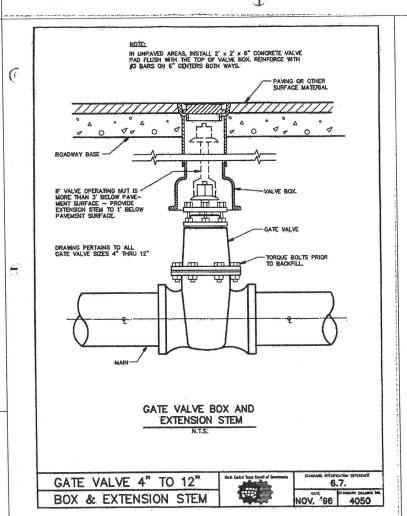
NOV. '96

6.7.

4120

2. ALL JOINTS SHALL BE MECHANICAL JOINTS. 3. TYPICAL VALVE: ACTUAL VALVE LOCATION WILL DEPEND O LOCATION OF WATER MAIN: F.H. NO CLOSER THAN 18" TO EXISTING OR PROPOSED SIDEWALKS. (USUAL)

5. STANDARD BURY DEPTH 5' FEET



GENERAL NOTES:

1. ALL FIRE HYDRANTS TO BE WATEROUS FIRE HYDRANTS OR EQUAL, APPROVED BY CITY OF LUCAS PUBLIC WORKS DIRECTOR.

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3. ALL METIERS AND SERVICE TAPS SHALL BE 1" POLY OR LARGER.

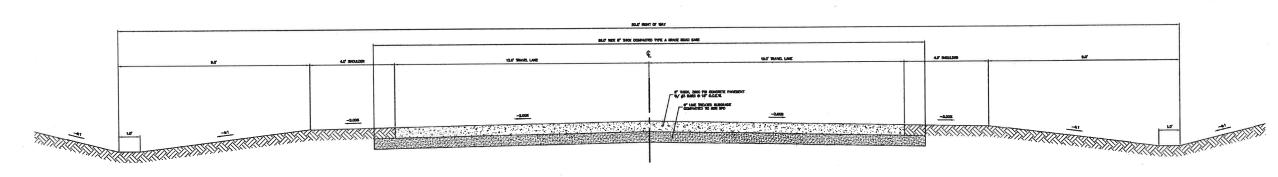
C/O LENART DEVELOPMENT COMPANY,
LLC
S20 CENTRAL PARKWAY E. SUITE 104
PLANO, TX 75074
Ph. (972) 422-9880
Contact: Steve Lenart

STANDARD PAVING DETAILS

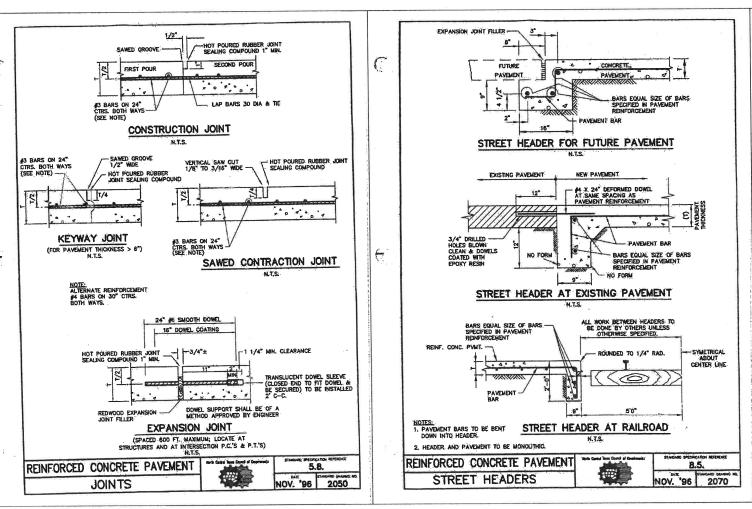
GRA CONSULTANTS, LLC TBPE F-1798

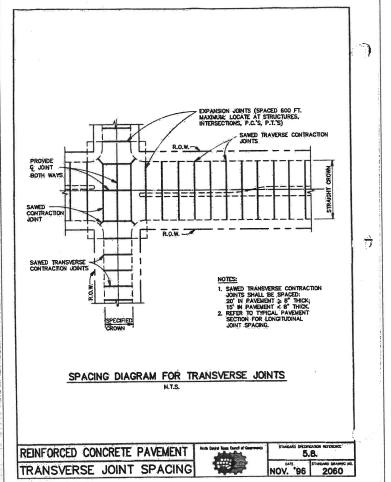
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(C32)



TYPICAL ROADWAY SECTION NOT TO SCALE

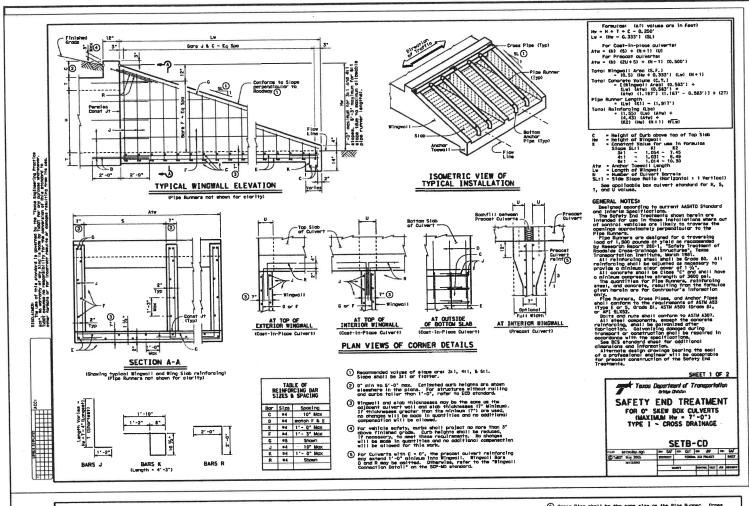


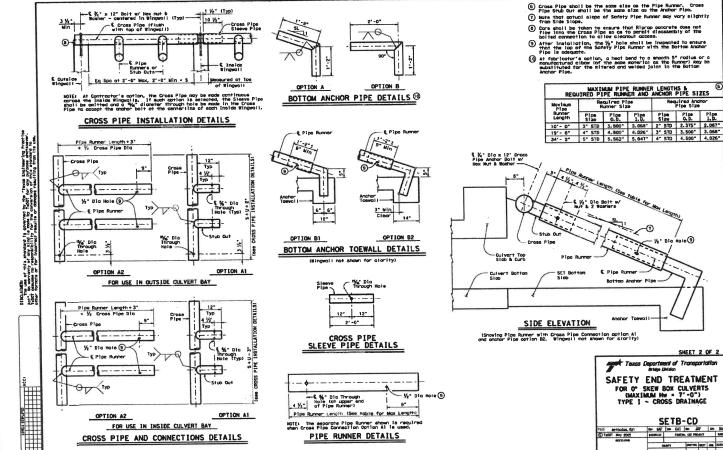


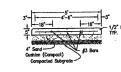
LLC
520 CENTRAL PARKWAY E SUITE 104
PLANO, TX 75074
Ph. (972) 422-9880
Contact Steve Lenant

STEPLANNING COVERNERRING PROPERTING LAND STRVETRIG LANDSCAFE ARCHIT

PARK ESTATES
-16. 1-20, Block A, B
IIS PARK ESTATES
60.858 Agree









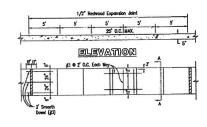


Section A-A

SIDEWALK GROOVE DETAIL SIDEWALX EXPANSIO JOINT DETAIL

SIDEWALK NOTES:

- A.) REQUIRED MIN. COMPRESSIVE STRENGTH OF CONG. = 3000 PS
- B.) A MIN. 4" SAND CUSHON
 SHALL BE PLACED ON A
 SUBGRADE COMPACTED TO 85%
 STD. PROCTOR DENSITY
 AND SAND SHALL BE COMPACTED
 TO 86% STD. PROCTOR
 DENSITY.
- C.) FORMS SHALL BE SET TRUE TO LINE AND GRADE AND SHALL BE A MIN. OF 5-1/2" DEEP.
- D.) FORMS SHALL BE SET UP SO THAT NO CONCRETE MAY FLOW UNDER THEM.



<u>PLAN</u>

detail of Sidewalk





GRA CONSULTANTS, LLC TEPE F-1798

TBPE F-176

Drawn By: TJF

Date: 11/07/201Scale: 1 = 1

Revisions:

44026

14026

C33

OWNER/DEVELOPER
CADG LEWIS PARK LLC
C/O LENART DEVELOPMENT COMPANY
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