CIVIL CONSTRUCTION PLANS FOR ARKOMA PARCEL 5 MASS GRADING PLAN

PLANS SUBMITTAL/REVIEW LOG

01/20/2016

02/10/2016

IST ENGINEERING SUBMITTAL FOR REVIEW. NOT FOR CONSTRUCTION.	
2nd ENGINEERING SUBMITTAL FOR REVIEW. NOT FOR CONSTRUCTION.	
Brd ENGINEERING SUBMITTAL FOR REVIEW. NOT FOR CONSTRUCTION.	

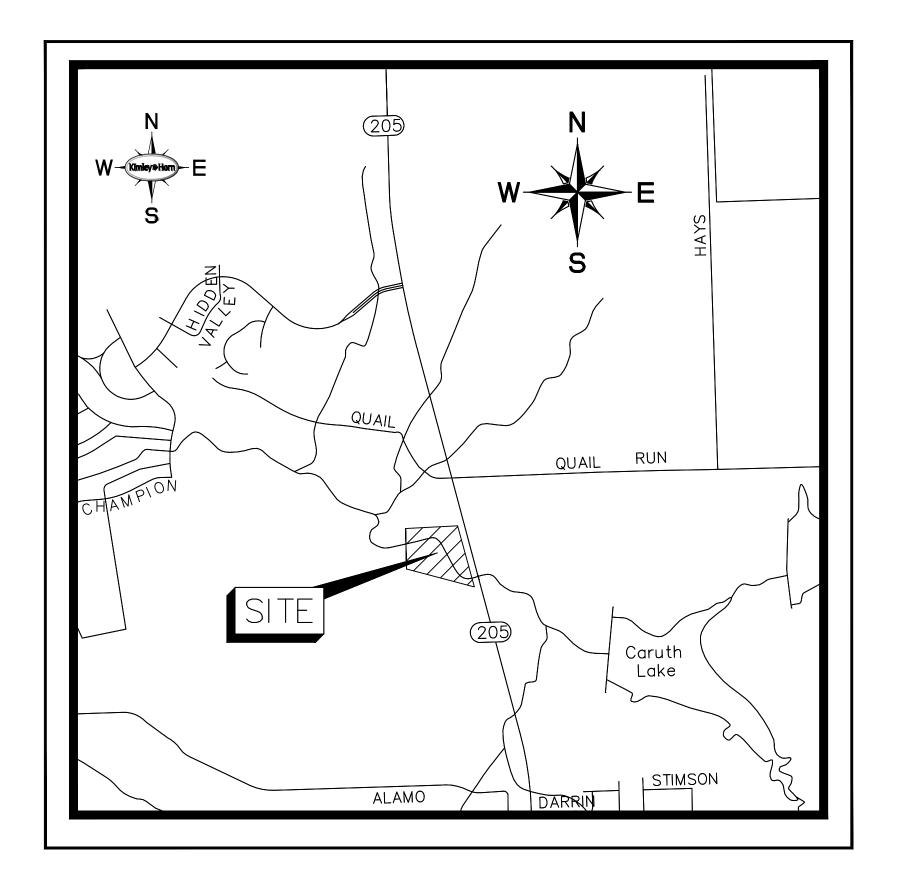
OWNER / DEVELOPER

ARKOMA DEVELOPMENT, LLC 203 EAST I-30 ROCKWALL, TX 75032 PH. (972) 771-6000



5750 GENESIS COURT FRISCO, TEXAS 75034 PH. (972) 335-3580 CONTACT: DAVID K. KOCHALKA, P.E. FIRM NO. F-928

IN CITY OF ROCKWALL ROCKWALL COUNTY, TEXAS



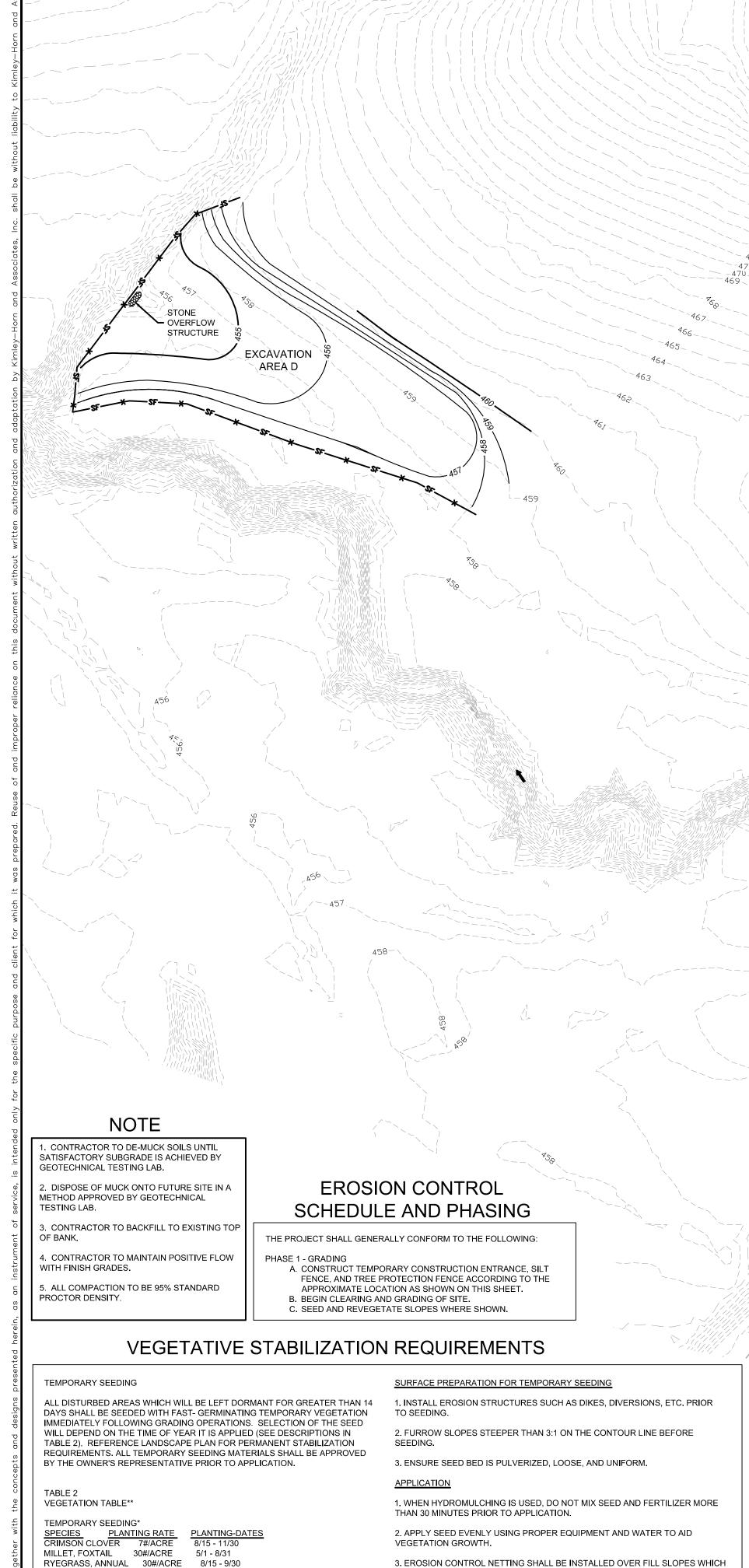
FEBRUARY 2016

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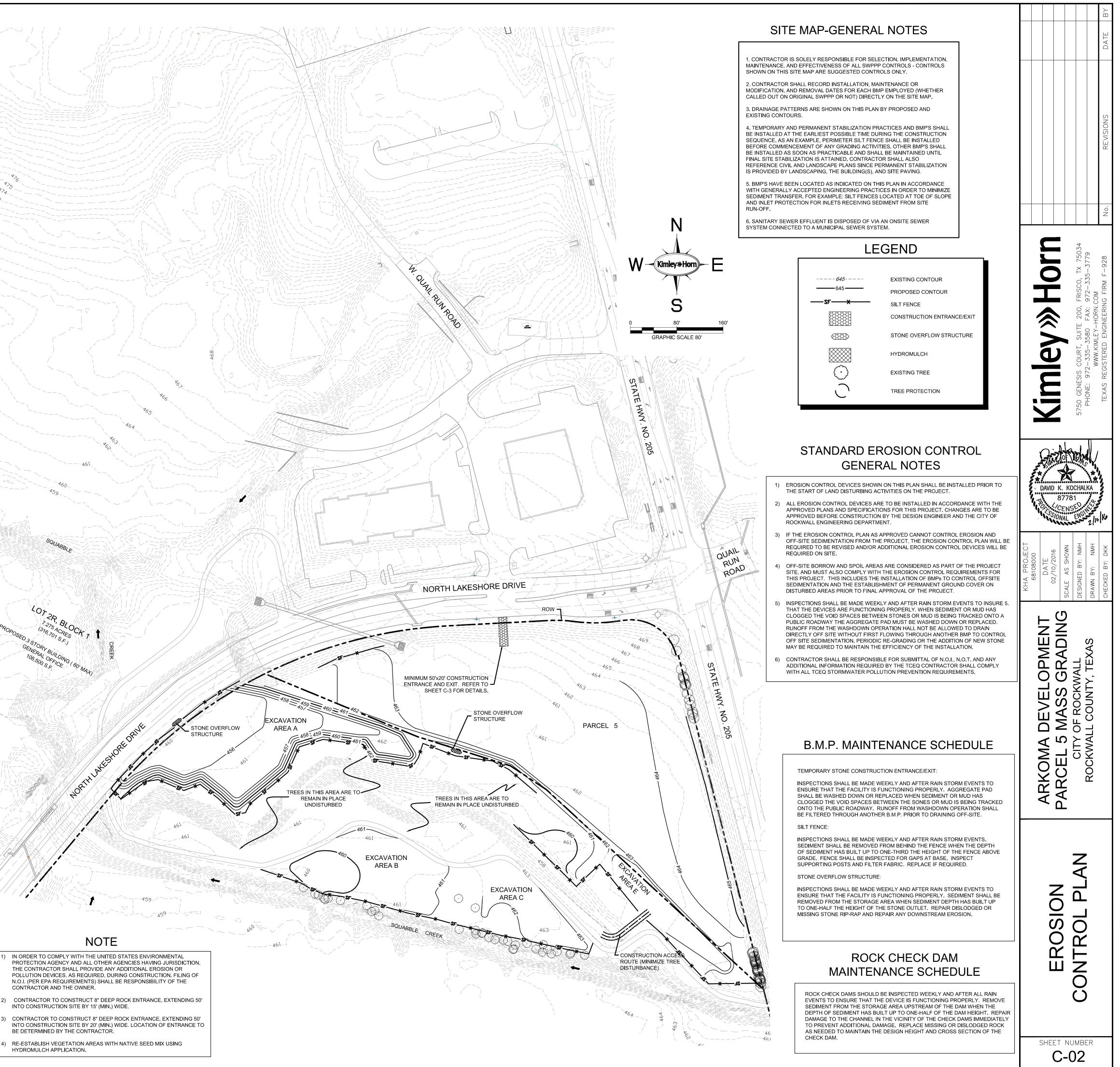






RYEGRASS, ANNUAL 30#/ACRE 8/15 - 9/30 SPRANGLETOP, GREEN 2.5#/ACRE 2/1 - 5/1
 TALL FESCUE
 7#-10#/1000 SF
 9/1 - 10/15

*USE ONLY USDA CERTIFIED SEED. **PERMANENT SEED TO BE OF NATIVE GRASS, TO MATCH EXISTING SITE. HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT AGAINST EROSION. MULCH (STRAW OR FIBER) SHALL BE USED ON RELATIVELY FLAT SLOPES.



KHA GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE THE CITY OF ROCKWALL STANDARDS, AND ANY SPECIAL PROVISIONS ADOPTED BY THE CITY OF ROCKWALL, THE SUBDIVISION RULES AND REGULATIONS OF THE CITY OF ROCKWALL (LATEST EDITION), NCTCOG 3RD EDITION, THE PROJECT SPECIFICATION BOOK, AND THESE CONSTRUCTION PLANS. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE OWNER AND ENGINEER SHALL BE CONTACTED PRIOR TO CONSTRUCTION.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
- 3. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE CITY OF ROCKWALL, GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. THE LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY, FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- 4. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND BONDS PRIOR TO CONSTRUCTION.
- 6. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY OF ROCKWALL, ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE CITY OF ROCKWALL, AND NOTIFICATION TO THE ARCHITECT AND THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY OF ROCKWALL, ENGINEER, AND OWNER WAS NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM. WRITTEN APPROVAL WILL BE REQUIRED FROM THE CITY OF ROCKWALL FOR ANY CHANGES TO PLANS PRIOR TO CONSTRUCTION.
- 7. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- 8. CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUMS PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS
- PREPARED BY OTHER AND LIDAR TOPOGRAPHY. 10. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL
- ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION. 11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ADJUSTMENTS, RELOCATIONS AND
- 12. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION FIELD STAKING AND TESTING, UNLESS SPECIFIED OTHERWISE BY THE OWNER.
- 13. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL REPLACE ANY FENCING, CURBING, ETC. THAT IS DESTROYED DUE TO THE CONSTRUCTION ACTIVITIES.
- 14. TRENCH SAFETY DESIGN WILL BE THE RESPONSIBILITY OF THE UTILITY CONTRACTOR. CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN (SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS) TO THE CITY OF ROCKWALL ENGINEERING DEPARTMENT FOR REVIEW PRIOR TO THE START OF ANY UTILITY CONSTRUCTION.
- 15. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS ONTO DEVELOPED OR UNDEVELOPED AREAS WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S RESPONSIBILITY TO REPAIR.
- 16. LIGHT POLES AND SIGNS SHALL NOT BE PLACED IN ADA ACCESSIBLE ROUTES OR ACCESSIBLE ACCESS AISLES.
- 17. ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE REGRADED AND LANDSCAPED OR PAVED (TO WHATEVER CONDITION EXISTED BEFORE DISTURBANCE). ALL DISTURBED AREAS SHALL BE REPAIRED TO THE SAME OR BETTER CONDITION THAN BEFORE AREA WAS DISTURBED.
- 18. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS. SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS AND INSPECTION REPORTS (SWPPF
- 19. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONTOURS SHOWN ON THE PLANS AND ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE CONSTRUCTION.
- 20. PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN REFLECT FINISH SURFACE, THE LIMITS OF EARTHWORK IN PAVED AREAS IS THE BOTTOM OF PAVEMENT.
- 21. CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES.
- 22. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER AND CITY OF ROCKWALL) AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES, CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION.
- 23. CONTRACTOR TO DISPOSE OF ALL EXCESS EXCAVATION MATERIALS AS DIRECTED BY THE OWNER. 24. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE
- EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY THE GRADING CONTRACTOR AT HIS EXPENSE.
- 25. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. ALL FILL TO BE COMPACTED TO A MINIMUM OF 95% USING A SHEEP'S FOOT ROLLER
- 26. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT TRAFFIC CONTROL STANDARDS".
- 27. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60, AND SHALL BE SUPPORTED BY BAR CHAIRS.
- 28. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO COST TO THE OWNER
- 29. THESE PLANS, PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. 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 THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
- 30. REFER TO SWPPP REPORT AND EROSION CONTROL PLANS FOR APPLICABLE NOTES.
- A TIMELY MANNER PRIOR TO COMMENCING THAT WORK. 32. DURING CONSTRUCTION, ALL MATERIAL TESTING SHALL BE COORDINATE WITH THE CITY OF ROCKWALL
- CONSTRUCTION INSPECTOR. 33. CONTRACTOR SHALL CONTACT THE CITY ENGINEERING DEPARTMENT'S INSPECTOR ASSIGNED TO THIS
- PROJECT AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. 34. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORD

PLANS.

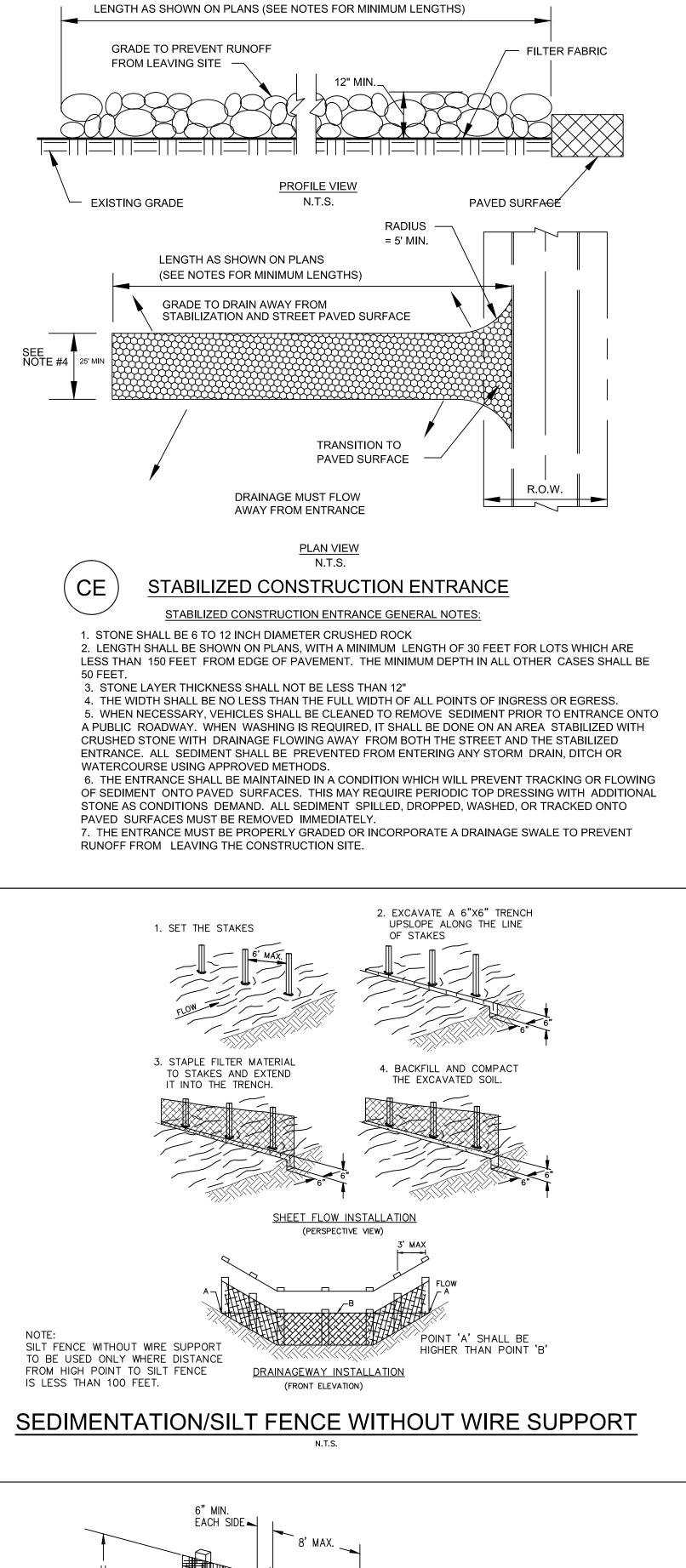
- 35. CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY NOISE APPROPRIATE FOR THE AMBIENT SOUND LEVELS IN THE AREA DURING WORKING HOURS. ALL CONSTRUCTION MACHINERY AND VEHICLES SHALL BE EQUIPPED WITH PRACTICAL SOUND MUFFING DEVICES, AND OPERATED IN A MANNER TO CAUSE THE LEAST NOISE. CONSISTENT WITH EFFICIENT PERFORMANCE OF THE WORK DURING CITY ALLOWED HOURS.
- 36. CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY DUST, SURFACES SUBJECT TO CREATING DUST SHALL BE KEPT MOIST WITH WATER OR BY APPLICATION OF CHEMICAL DUST SUPPRESSANT. DUSTY MATERIAL IN PILES OR IN TRANSIT SHALL BE COVERED TO PREVENT BLOWING.
- 37. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT AND COORDINATE APPROVAL FROM THE OWNER PRIOR TO ANY ACTIVITY THAT DISTURBS THE SOIL OR PLACING SUBGRADE, BASE, EARTHWORK, REINFORCING, PAVING, ETC. ANY INFORMATION RELATED TO THE EARTHWORK, PAVING, MATERIALS, ETC. CONTAINED HEREIN IS SHOWN FOR REFERENCE ONLY. CONTRACTOR IS CAUTIONED TO VERIFY WITH OWNER PRIOR TO PROCEEDING
- 38. ANY TRAIL DAMAGE SHALL BE REPAIRED IMMEDIATELY. CONTRACTOR TO COORDINATE WITH PARKS DEPARTMENT

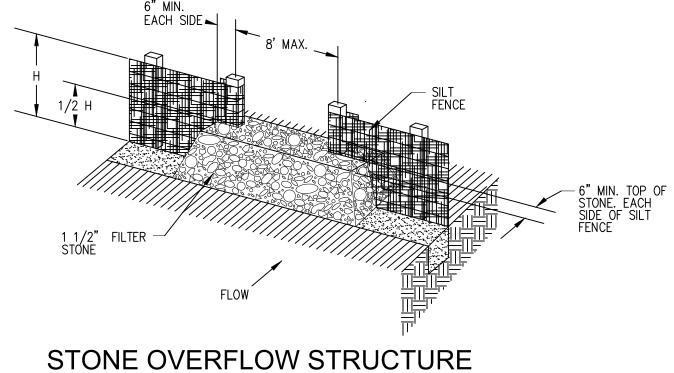
9. EXISTING CONTOURS AS SHOWN ON THIS PLAN WERE TAKEN FROM A FIELD TOPOGRAPHIC SURVEY

AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER/ENGINEER SHALL BE NOTIFIED OF

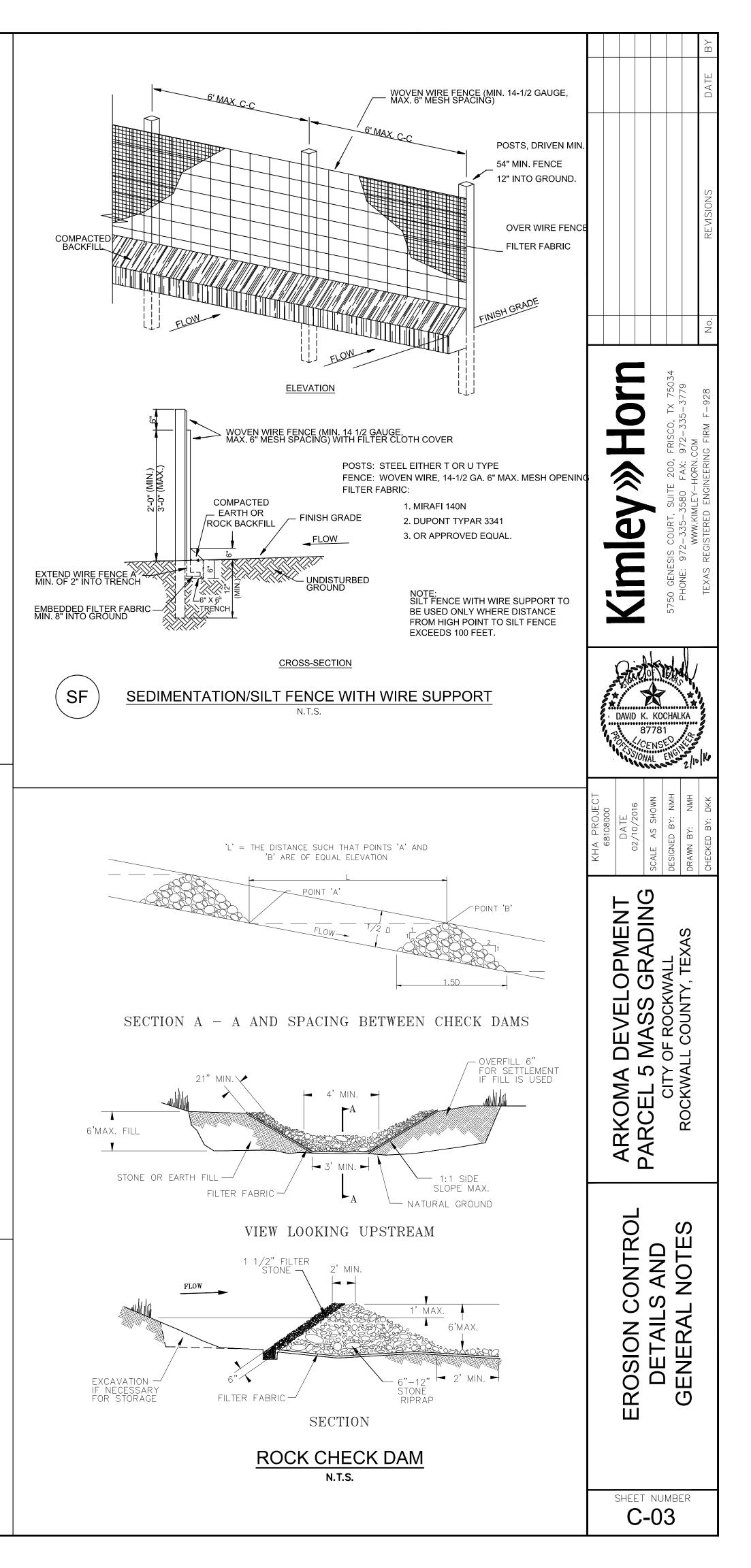
INSTALLATIONS OF FRANCHISE UTILITIES NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION.

31. CONTRACTOR TO REVIEW DESIGN INTENT OF THESE PLANS AND SUBMIT REQUESTS-FOR-INFORMATION IN

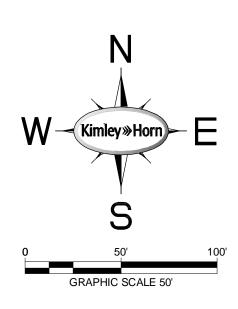




N.T.S.







EARTHWORK

EXCAVATION AREA A EXCAVATION AREA B EXCAVATION AREA C EXCAVATION AREA D <u>EXCAVATION AREA E</u> TOTAL EXCAVATION	= 7001 CY = 317 CY = 142 CY = 3434 CY = 637 CY = 11,831 CY
LOSS IN VALLEY STORAGE (FOR MASS GRADING SHOWN)	= 10,059 CY
TOTAL FILL MATERIAL REQUIRED (FOR MASS GRADING SHOWN HERE ASSUMING 10% COMPACTION FACTOR)	= 11,824 CY
ADDITIONAL OFF-SITE FILL MATERIAL REQ'D (FOR MASS GRADING SHOWN HERE)	= 0 CY

*FLOODPLAIN VALLEY STORAGE NOTE: THE TABLE INDICATES 10,059 CY OF FILL WILL BE PLACED IN THE EXISTING FLOODPLAIN TO RECLAIM A PORTION OF PARCEL 5 FROM THE FLOODPLAIN. EXCAVATION AREAS A,B,C AND D RESULT IN A TOTAL OF 11,218 CY OF EXCAVATION WITHIN THE FLOODPLAIN. THEREFORE, THE NET GAIN IN 100-YEAR VALLEY STORAGE IS 1,772 CY.

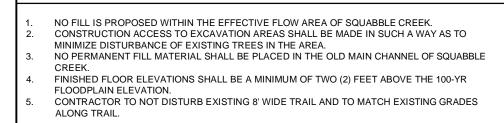
GRADING NOTES

STANDARDS AND SPECIFICATIONS. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

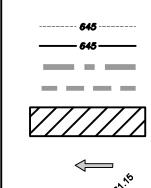
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THESE PLANS AND THE CITY OF ROCKWALL

- THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES. MINOR ADJUSTMENTS TO FINISH GRADE TO ACCOMPLISH SPOT DRAINAGE ARE ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF ENGINEER. PAVING INSTALLED SHALL "FLUSH OUT" AT ANY JUNCTURE WITH EXISTING PAVING.
- EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
- PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
- CONSTRUCTION ACCESS SHALL BE MADE IN SUCH A WAY AS TO MINIMIZE DISTURBANCE OF EXISTING TREES IN THE AREA.
- ANY PROPOSED CONTOURS SHOWN ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
- . REFER TO EROSION CONTROL PLAN FOR EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING GRADING OPERATIONS.
- . ALL VEGETATION SHALL BE CLEARED AND GRUBBED FOR ALL AREAS TO BE DISTURBED.
- 2. ALL FILL TO BE PLACED SHALL BE IN ACCORDANCE WITH THE CURRENT APPLICABLE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL FILL TO BE COMPACTED TO A MINIMUM OF 95% USING A SHEEP'S FOOT ROLLER.
- 3. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT AND COORDINATE APPROVAL FROM OWNER PRIOR TO ANY ACTIVITY THAT DISTURBS SOIL OR PLACING SUBGRADE, BASE, EARTHWORK, REINFORCING, PAVING, ETC. ANY INFORMATION RELATED TO THE EARTHWORK, PAVING, MATERIALS, ETC. CONTAINED HEREIN IS SHOWN FOR REFERENCE ONLY. CONTRACTOR IS CAUTIONED TO VERIFY WITH OWNER PRIOR TO PROCEEDING.

NOTES



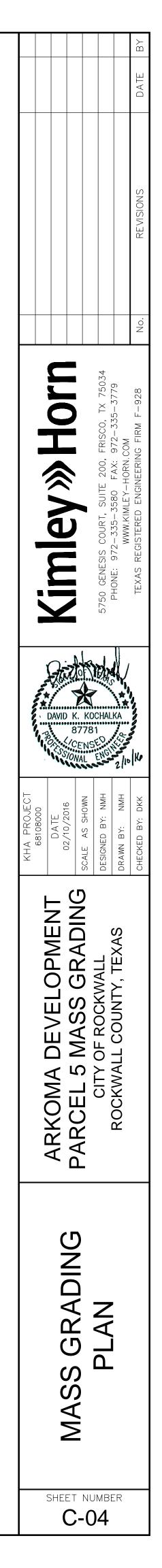
LEGEND



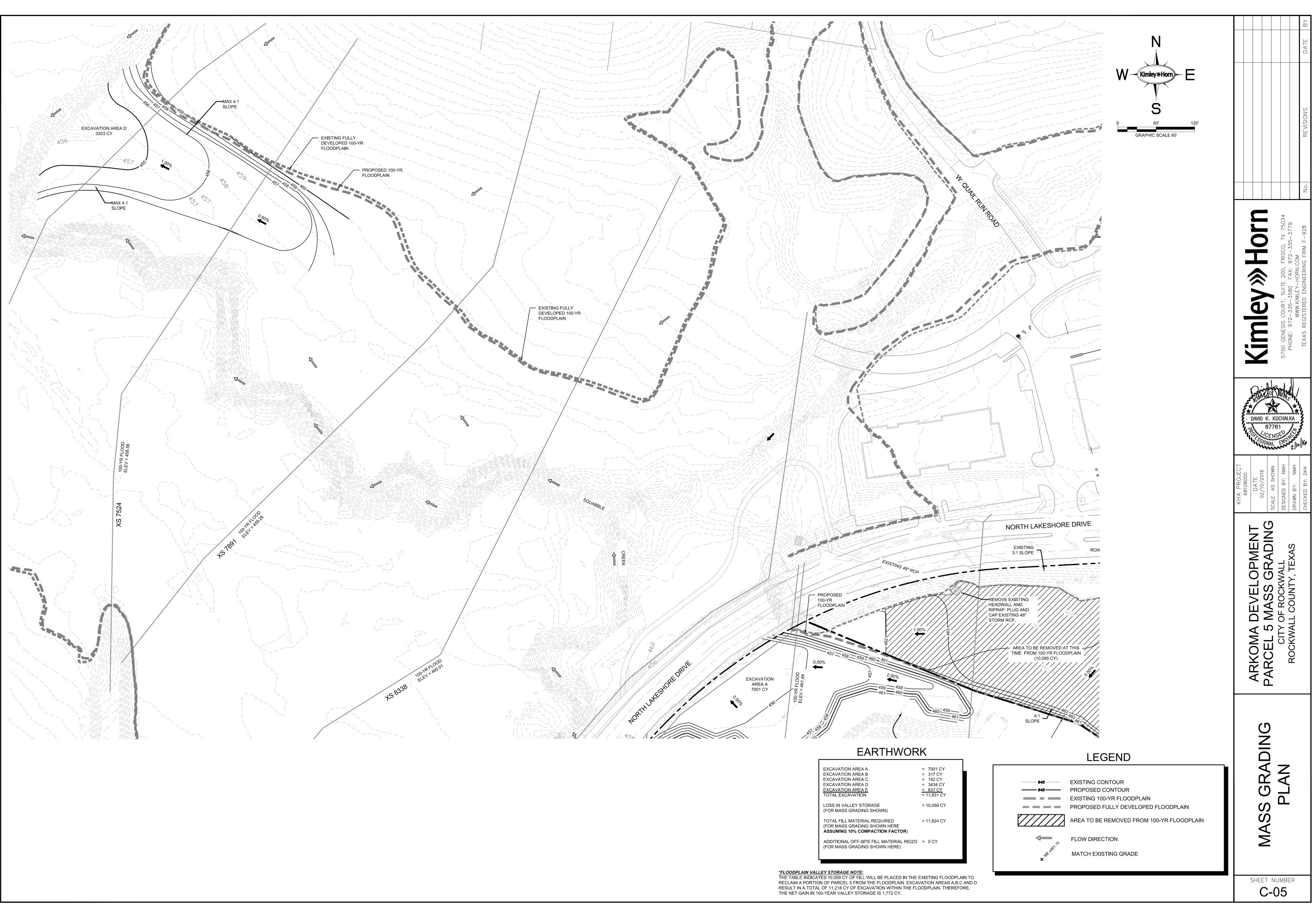
645 ----- EXISTING CONTOUR ——645—— PROPOSED CONTOUR EXISTING 100-YR FLOODPLAIN PROPOSED FULLY DEVELOPED FLOODPLAIN AREA TO BE REMOVED FROM 100-YR FLOODPLAIN

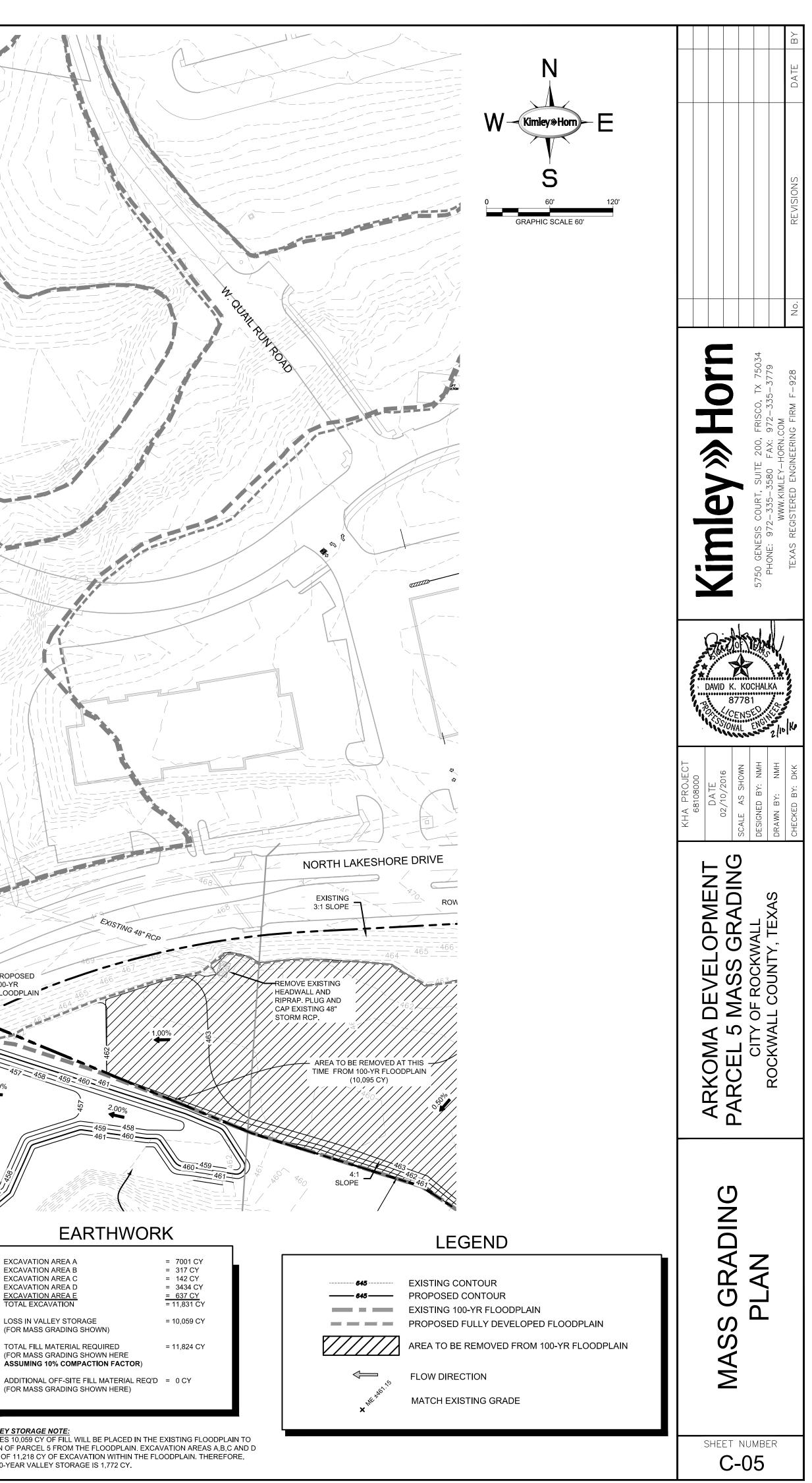
FLOW DIRECTION

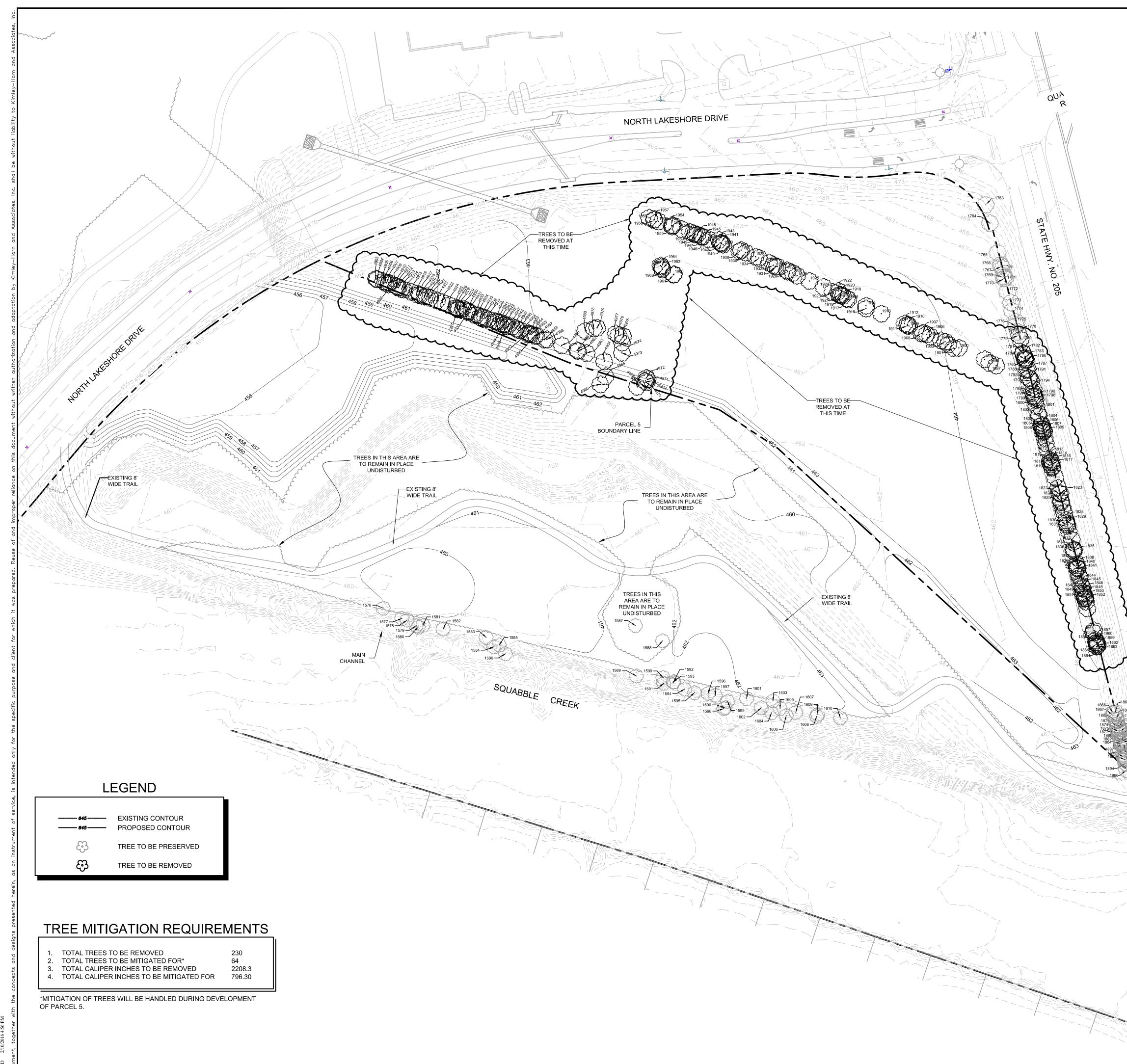
MATCH EXISTING GRADE

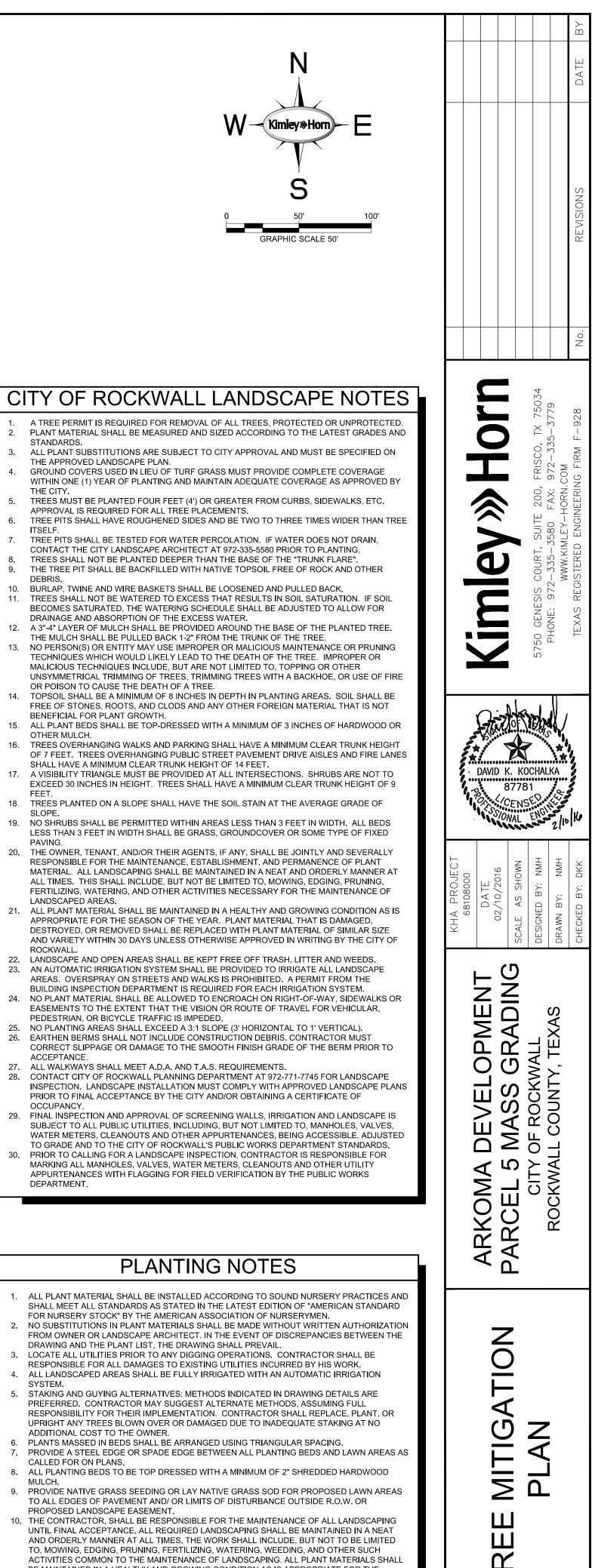


Kochalka LS XREF xSurv HOSSEINY K:\FRI_CIV 2/10/2016 5:(IMAGES XREFS PLOTTED BY DWG NAME LAST SAVED









THE CITY.

ITSELF.

DFBRIS

SLOPE.

PAVING

SYSTEM.

MULCH.

- BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY. QUANTITIES ARE APPROXIMATE AND ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES AND PROVIDING
- SUFFICIENT QUANTITIES OF MATERIAL FOR COVERAGE BASED ON THE AREAS TO BE COVERED AND PLANT SPACING CALLED FOR. ALL DISTURBED AREAS ON SITE SHALL BE REESTABLISHED WITH NATIVE GRASS SEED USING HYDROMULCH APPLICATION..

SHEET NUMBER

ED 2/10/2016 4:56 PM	
LAST SAVED	

AG#	DBH	COMMON NAME	SCIENTIFIC NAME		MULTIPLE- STEMMED	STATUS	MITIGATION	TAG#	DBH	COMMON NAME
76 77 78	4.6 7.9 10.1	hackberry eastern redcedar hackberry	Celtis laevigata Juniperus virginiana Celtis laevigata	Healthy Healthy Healthy	Single Single Forked			1865 1866	8	HACKBERRY HACKBERRY
79 80	5.0 6.0	hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Single			1866 1867 1868	6	ASH
581 582	5.0 7.0	hackberry hackberry	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy	Single			1869	1 <mark>8</mark> 7	HACKBERRY
583 584	17.0 11.0	hackberry box elder	Celtis laevigata Acer negundo	Healthy Declining	Forked Forked			1871	4	HACKBERRY
585 586	9.3 13.3	box elder box elder	Acer negundo Acer negundo	Healthy Healthy	Single Single			1873 1874	5 4	HACKBERRY HACKBERRY
587 588	38.3 6.5	pecan hackberry	Carya illinoinensis Celtis laevigata	Healthy Healthy	Single Forked			1875 1876	6.5 5	HACKBERRY HACKBERRY
589 590	14.0 6.5	eastern redcedar hackberry	Juniperus virginiana Celtis laevigata	Healthy Healthy	Forked Single			1877 1878	6.5 8	HACKBERRY HACKBERRY
591 592	8.7 5.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy Healthy	Single Single			1879 1880	5.5 6.5	HACKBERRY HACKBERRY
601 602 603	15.0 9.0 6.0	eastern redcedar eastern redcedar cedar elm	Juniperus virginiana Juniperus virginiana Ulmus crassifolia	Healthy Healthy Healthy	Multi Single Forked			1881 1882 1883	6.5 5 7	HACKBERRY HACKBERRY HACKBERRY
603 604 605	8.0 7.6	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy Healthy Healthy	Single			1884 1885	5	HACKBERRY
605 606 607	7.0 7.0 11.1	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana Juniperus virginiana	Healthy Healthy	Multi			1886	6 5.5	HACKBERRY
608 609	6.8 12.0	eastern redcedar eastern redcedar	Juniperus virginiana Juniperus virginiana	Healthy Healthy	Single Single			1888 1889	5 9	HACKBERRY
610 763	7.1 12	hackberry HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single			1890 1891	7 5	HACKBERRY HACKBERRY
764 765	12 12	HACKBERRY TREE	Celtis laevigata Unknown	Healthy Healthy	Single Multi			1892 1893	5 8	HACKBERRY HACKBERRY
766 767	12 11	TREE HACKBERRY	Unknown Celtis laevigata	Healthy Healthy	Multi Single			1894 1895	5.5 12	HACKBERRY HACKBERRY
768 769	8	HACKBERRY MULBERRY	Celtis laevigata Morus	Healthy Healthy	Single Single			1896 1897	8	HACKBERRY HACKBERRY
770 771	12.0 8.0	MULBERRY HACKBERRY	Morus Celtis laevigata	Healthy Healthy	Single Single			1898 1899 1900	7 15 12	WHITE LOCUS MULBERRY ASH
772 773 774	8.0 12.0 13.0	HACKBERRY ELM HACKBERRY	Celtis laevigata Ulmus Celtis laevigata	Healthy Healthy Healthy	Single Single Single			1900 1901 1902	4	BOIS D'ARC HACKBERRY
775 776	5.0 9.0	HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy	Single			1902 1903 1904	6 8	HACKBERRY
777 778	7.0	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy	Single	Exempt	0	1905 1906	4 5	HACKBERRY
779 780	8.0 17	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Multi	Exempt Remove	0 8.5	1907 1908	16 9	HACKBERRY CEDAR
781 782	6 6	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0 0	1909 1910	16 7	MULBERRY HACKBERRY
783 784	7 4	HACKBERRY ELM	Celtis laevigata UImus	Healthy Healthy	Single Single	Exempt Remove	0 4	1911 1912	7 12	HACKBERRY BOIS D'ARC
785 786	8 6	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0 0	1913 1914	24 8	HACKBERRY ASH
787 788	8 5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0	1915 1916	4	CEDAR MULBERRY
791 792 793	13 4 13	HACKBERRY HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Multi Single Multi	Remove Exempt Remove	6.5 0 6.5	1917 1918 1919	10 20 4.5	HACKBERRY MULBERRY HACKBERRY
793 794 795	6 4	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Single	Exempt Exempt	0	1919 1920 1921	5 6	MULBERRY
796 797	7 5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt Exempt	0	1922 1923	3.5 9.5	CEDAR HACKBERRY
798 799	10 15	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Multi	Exempt Exempt Remove	0 7.5	1924 1925	30 20	MULBERRY MULBERRY
800 801	7 9	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0	1926 1927	16 6	HACKBERRY MULBERRY
802 803	7 3.5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0 0	1928 1929	11 12	HACKBERRY MULBERRY
804 805	7 7	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0 0	1930 1931	7 9	HACKBERRY HACKBERRY
806 807	3.5 5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0 0	1932 1933	8 18	HACKBERRY ASH
808 809	6.5 8.5	ELM HACKBERRY	Ulmus Celtis laevigata	Healthy Healthy	Single Single	Remove Exempt	6.5 0	1934 1935	6 8	HACKBERRY HACKBERRY HACKBERRY
810 811 812	6.5	HACKBERRY CLUSTER OF HACKBERRY'S	Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt	0	1936 1937 1938	12 6.5	HACKBERRY
812 813 814	5 10 9	HACKBERRY HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Single Multi Multi	Exempt Exempt Exempt	0 0 0	1930 1939 1940	11 5	HACKBERRY
815 816	7 5	HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt Exempt	0	1941 1942	5	HACKBERRY
817 818	6 6	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt Exempt	0	1943 1944	4 4	CEDAR CEDAR
819 820	12 7	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Multi Single	Remove Exempt	6 0	1945 1946	13 12	HACKBERRY HACKBERRY
821 822	27 7	ELM HACKBERRY	Ulmus Celtis laevigata	Healthy Healthy	Single Single	Remove Exempt	54 0	1947 1948	4.5 7	HACKBERRY HACKBERRY
823 824	3.5 12	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Multi	Exempt Remove	0 6	1949 1950	4 7	HACKBERRY HACKBERRY
825 826	6.5 14.5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Multi	Exempt Remove	0 7.25	1951 1952	8 14	HACKBERRY HACKBERRY
827 828	13 6	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Remove Exempt	6.5 0	1953 1954 1955	9 4 14	MULBERRY HACKBERRY CEDAR
829 830	7 7	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0	1955	7	HACKBERRY
831 832 833	4 22 11	ELM ASH HACKBERRY	Ulmus Fraxinus albicans	Healthy Healthy	Single Single Multi	Remove Remove	4 22 5.5			
834 835	16 9.5	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Multi	Remove Remove	8			
835 836 837	9.5 5.5 15	HACKBERRY HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Single	Exempt Exempt Remove	0 0 7.5			
838 839	5 5 5	HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt	0			
840 841	6 4	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt Exempt	0 0 0			
842 843	20	CLUSTER OF HACKBERRY'S HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Multi	Exempt Remove	0 10			
844 845	10	ASH CLUSTER OF HACKBERRY'S	Fraxinus albicans Celtis laevigata	Healthy Healthy	Single	Remove Exempt	10 0			
846 847	5 5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0 0			
848 849	6 7	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0 0			
850 851	00	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0			
852 853	5 17	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Remove	0 8.5			
854 855 856	6	HACKBERRY CLUSTER OF HACKBERRY'S	Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt	0			
856 857 858	8 8 4	HACKBERRY HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Single Single Single	Exempt Exempt Exempt	0 0			
858 859 860	4 4 8	HACKBERRY HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Single Single Single	Exempt Exempt Exempt	0 0 0			
860 861 862	8 9 9	HACKBERRY HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata Celtis laevigata	Healthy Healthy Healthy	Single Single Single	Exempt Exempt Exempt	0 0 0			
863	9	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0			

COMMON NAME	SCIENTIFIC NAME	CONDITION	MULTIPLE- STEMMED	STATUS	MITIGATION	TAG#	DBH	COMMON NAME	SCIENTIFIC NAME	CONDITION	MULTIPLE- STEMMED	STATUS	MITIGATIO
HACKBERRY	Celtis laevigata	Healthy	Single			1957	4	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			1957	10	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
ASH	Fraxinus albicans	Healthy	Single			1959	6	CEDAR	Cedrus	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			1960	4	HACKBERRY HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Multi Single			1961 1962	3	CLUSTER OF HACKBERRY'S	Celtis laevigata Celtis laevigata	Healthy Healthy	Single	Exempt Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			1963	4	LOCUST	Gleditsia triacanthos	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			1964	9	LOCUST	Gleditsia triacanthos	Healthy	Multi	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			1965	11	LOCUST	Gleditsia triacanthos	Healthy	Multi	Exempt	0
HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single			4903 4904	25 8	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Multi	Remove Exempt	12.5
HACKBERRY	Celtis laevigata	Healthy	Single			4905	7	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			4906	10	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			4907	10	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single			4908 4909	12 9	HACKBERRY HACKBERRY	Celtis laevigata	Healthy Healthy	Single	Remove	6 0
HACKBERRY	Celtis laevigata	Healthy	Single			4909	5	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy	Single Single	Exempt Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			4911	9	LOCUST	Gleditsia triacanthos	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single			4912	10	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY HACKBERRY	Celtis laevigata	Healthy	Single			4913	12	HACKBERRY	Celtis laevigata	Healthy	Single	Remove	6
HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single			4914 4915	9	HACKBERRY LOCUST	Celtis laevigata Gleditsia triacanthos	Healthy Healthy	Single Single	Exempt Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4916	7	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4917	11	HACKBERRY	Celtis laevigata	Healthy	Single	Remove	5.5
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4918	10	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0	4919	8	HACKBERRY HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4920 4921	8 12	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Remove	0 6
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4922	10	LOCUST	Gleditsia triacanthos	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4923	12	HACKBERRY	Celtis laevigata	Healthy	Single	Remove	6
HACKBERRY	Celtis laevigata	Healthy	Single	Remove	6	4924	20	HACKBERRY	Celtis laevigata	Healthy	Multi	Remove	10
HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0	4925 4926	6 14	HACKBERRY HACKBERRY	Celtis laevigata	Healthy Healthy	Single	Exempt	0
WHITE LOCUST	Gleditsia triacanthos	Healthy	Multi	Exempt	0	4926	7	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy	Single Single	Remove Exempt	0
MULBERRY	Morus	Dead	Multi	Remove	15	4928	7	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
ASH	Fraxinus albicans	Declining	Single	Remove	12	4929	6	ASH	Fraxinus albicans	Healthy	Single	Remove	6
BOIS D'ARC	Maclura pomifera	Healthy	Single	Exempt	0	4930	5	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Remove Exempt	6	4931 4932	5	HACKBERRY HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
ASH	Fraxinus albicans	Declining	Single	Remove	8	4932	9 14	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Remove	7
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4934	10	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
CEDAR	Cedrus	Healthy	Single	Exempt	0	4935	8	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Multi	Remove	8	4936	9	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
CEDAR MULBERRY	Cedrus Morus	Healthy Healthy	Multi Single	Exempt Remove	0 16	4937 4938	10	HACKBERRY HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4938	12 9	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Remove Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4941	10	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
BOIS D'ARC	Maclura pomifera	Healthy	Multi	Exempt	0	4942	7	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Remove	12	4943	9	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
ASH CEDAR	Fraxinus albicans Cedrus	Healthy Healthy	Single Single	Remove Exempt	8	4944 4945	9 5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0
MULBERRY	Morus	Healthy	Single	Remove	14	4946	7	LOCUST	Gleditsia triacanthos	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4947	13	HACKBERRY	Celtis laevigata	Healthy	Single	Remove	6.5
MULBERRY	Morus	Healthy	Single	Remove	20	4948	8	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY MULBERRY	Celtis laevigata Morus	Healthy Healthy	Single Single	Exempt Remove	0	4949	8	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4950 4951	9	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0
CEDAR	Cedrus	Healthy	Single	Exempt	0	4952	7	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4953	13	HACKBERRY	Celtis laevigata	Healthy	Single	Remove	6.5
MULBERRY	Morus	Healthy	Multi	Remove	60	4954	5	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
MULBERRY HACKBERRY	Morus Celtis laevigata	Healthy Healthy	Single Multi	Remove Remove	20	4955	8	HACKBERRY HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
MULBERRY	Morus	Healthy	Single	Remove	6	4956 4957	10 6	HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Remove	5.5	4958	14	HACKBERRY	Celtis laevigata	Healthy	Single	Remove	7
MULBERRY	Morus	Healthy	Single	Remove	12	4959	5	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY HACKBERRY	Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0	4960	8	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata Celtis laevigata	Healthy	Single	Exempt	0	4961 4962	12 8	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Remove Exempt	6
ASH	Fraxinus albicans	Healthy	Multi	Remove	18	4962	8 9	LOCUST	Gleditsia triacanthos	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4964	40	OAK	Quercus	Healthy	Single	Remove	80
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4965	32	OAK	Quercus	Healthy	Single	Remove	64
HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single	Exempt Remove	0	4966	20		Quercus	Healthy	Single	Remove	20
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4968 4969	16 14	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	M ulti M ulti	Remove Remove	8
HACKBERRY	Celtis laevigata	Healthy	Single	Remove	5.5	4970	5	HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4971	5	HACKBERRY	Celtis laevigata	Healthy	Single		
HACKBERRY MULBERRY	Celtis laevigata Morus	Healthy Healthy	Single Single	Exempt Remove	0 12	4972	15	HACKBERRY	Celtis laevigata	Healthy	Multi		
CEDAR	Cedrus	Healthy	Single	Exempt	0	4973 4974	7	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Multi		
CEDAR	Cedrus	Healthy	Single	Exempt	0	4974	5	HACKBERRY	Celtis laevigata	Healthy	Single		
HACKBERRY	Celtis laevigata	Healthy	Multi	Remove	6.5	4976	6	HACKBERRY	Celtis laevigata	Healthy	Single		
HACKBERRY	Celtis laevigata	Healthy	Single	Remove	6	4977	6	HACKBERRY	Celtis laevigata	Healthy	Single		
HACKBERRY HACKBERRY	Celtis laevigata	Healthy Healthy	Single Single	Exempt Exempt	0	4978	6	HACKBERRY	Celtis laevigata	Healthy	Single		
HACKBERRY	Celtis laevigata Celtis laevigata	Healthy	Single	Exempt	0	4979 4980	5 5	HACKBERRY HACKBERRY	Celtis laevigata Celtis laevigata	Healthy Healthy	Single Single		
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0	4900	U		Cents laevigata	псациу	Single		<u> </u>
HACKBERRY	Celtis laevigata	Healthy	Single	Exempt	0								
HACKBERRY	Celtis laevigata	Healthy	Single	Remove	7								
MULBERRY HACKBERRY	Morus Celtis laevigata	Healthy Healthy	Single Single	Remove Exempt	9								
CEDAR	Celtis laevigata	Healthy	Multi	Remove	7								
	Celtis laevigata	Healthy	Single	Exempt	0								

CITY OF ROCKWALL LANDSCAPE NOTES

A TREE PERMIT IS REQUIRED FOR REMOVAL OF ALL TREES, PROTECTED OR UNPROTECTED. PLANT MATERIAL SHALL BE MEASURED AND SIZED ACCORDING TO THE LATEST GRADES AND STANDARDS.

ALL PLANT SUBSTITUTIONS ARE SUBJECT TO CITY APPROVAL AND MUST BE SPECIFIED ON THE APPROVED LANDSCAPE PLAN. GROUND COVERS USED IN LIEU OF TURF GRASS MUST PROVIDE COMPLETE COVERAGE WITHIN ONE (1) YEAR OF PLANTING AND MAINTAIN ADEQUATE COVERAGE AS APPROVED

BY THE CITY. TREES MUST BE PLANTED FOUR FEET (4') OR GREATER FROM CURBS, SIDEWALKS, ETC. APPROVAL IS REQUIRED FOR ALL TREE PLACEMENTS. TREE PITS SHALL HAVE ROUGHENED SIDES AND BE TWO TO THREE TIMES WIDER THAN TREE ITSELF.

TREE PITS SHALL BE TESTED FOR WATER PERCOLATION. IF WATER DOES NOT DRAIN, CONTACT THE CITY LANDSCAPE ARCHITECT AT 972-335-5580 PRIOR TO PLANTING. TREES SHALL NOT BE PLANTED DEEPER THAN THE BASE OF THE "TRUNK FLARE". THE TREE PIT SHALL BE BACKFILLED WITH NATIVE TOPSOIL FREE OF ROCK AND OTHER DEBRIS.

BURLAP, TWINE AND WIRE BASKETS SHALL BE LOOSENED AND PULLED BACK.

TREES SHALL NOT BE WATERED TO EXCESS THAT RESULTS IN SOIL SATURATION. IF SOIL BECOMES SATURATED, THE WATERING SCHEDULE SHALL BE ADJUSTED TO ALLOW FOR DRAINAGE AND ABSORPTION OF THE EXCESS WATER. A 3"-4" LAYER OF MULCH SHALL BE PROVIDED AROUND THE BASE OF THE PLANTED TREE. THE MULCH SHALL BE PULLED BACK 1-2" FROM THE TRUNK OF THE TREE. NO PERSON(S) OR ENTITY MAY USE IMPROPER OR MALICIOUS MAINTENANCE OR PRUNING TECHNIQUES WHICH WOULD LIKELY LEAD TO THE DEATH OF THE TREE. IMPROPER OR MALICIOUS TECHNIQUES INCLUDE, BUT ARE NOT LIMITED TO, TOPPING OR OTHER UNSYMMETRICAL TRIMMING OF TREES, TRIMMING TREES WITH A BACKHOE, OR USE OF FIRE OR POISON TO CAUSE THE DEATH OF A TREE.

14. TOPSOIL SHALL BE A MINIMUM OF 8 INCHES IN DEPTH IN PLANTING AREAS. SOIL SHALL BE FREE OF STONES, ROOTS, AND CLODS AND ANY OTHER FOREIGN MATERIAL THAT IS NOT BENEFICIAL FOR PLANT GROWTH. ALL PLANT BEDS SHALL BE TOP-DRESSED WITH A MINIMUM OF 3 INCHES OF HARDWOOD OR OTHER MULCH.

16. TREES OVERHANGING WALKS AND PARKING SHALL HAVE A MINIMUM CLEAR TRUNK HEIGHT OF 7 FEET. TREES OVERHANGING PUBLIC STREET PAVEMENT DRIVE AISLES AND FIRE LANES SHALL HAVE A MINIMUM CLEAR TRUNK HEIGHT OF 14 FEET. 17. A VISIBILITY TRIANGLE MUST BE PROVIDED AT ALL INTERSECTIONS. SHRUBS ARE NOT TO EXCEED 30 INCHES IN HEIGHT. TREES SHALL HAVE A MINIMUM CLEAR TRUNK HEIGHT OF

9 FEET. 18. TREES PLANTED ON A SLOPE SHALL HAVE THE SOIL STAIN AT THE AVERAGE GRADE OF SLOPE.

19. NO SHRUBS SHALL BE PERMITTED WITHIN AREAS LESS THAN 3 FEET IN WIDTH. ALL BEDS LESS THAN 3 FEET IN WIDTH SHALL BE GRASS, GROUNDCOVER OR SOME TYPE OF FIXED PAVING. 20. THE OWNER, TENANT, AND/OR THEIR AGENTS, IF ANY, SHALL BE JOINTLY AND SEVERALLY RESPONSIBLE FOR THE MAINTENANCE, ESTABLISHMENT, AND PERMANENCE OF PLANT

MATERIAL. ALL LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, MOWING, EDGING, PRUNING, FERTILIZING, WATERING, AND OTHER ACTIVITIES NECESSARY FOR THE MAINTENANCE OF LANDSCAPED AREAS. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT IS DAMAGED, DESTROYED, OR REMOVED SHALL BE REPLACED WITH PLANT MATERIAL OF SIMILAR SIZE AND VARIETY WITHIN 30 DAYS UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY

OF ROCKWALL 22. LANDSCAPE AND OPEN AREAS SHALL BE KEPT FREE OFF TRASH, LITTER AND WEEDS. 23. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED TO IRRIGATE ALL LANDSCAPE AREAS. OVERSPRAY ON STREETS AND WALKS IS PROHIBITED. A PERMIT FROM THE BUILDING INSPECTION DEPARTMENT IS REQUIRED FOR EACH IRRIGATION SYSTEM.

24. NO PLANT MATERIAL SHALL BE ALLOWED TO ENCROACH ON RIGHT-OF-WAY, SIDEWALKS OR EASEMENTS TO THE EXTENT THAT THE VISION OR ROUTE OF TRAVEL FOR VEHICULAR, PEDESTRIAN, OR BICYCLE TRAFFIC IS IMPEDED.

25. NO PLANTING AREAS SHALL EXCEED A 3:1 SLOPE (3' HORIZONTAL TO 1' VERTICAL). 26. EARTHEN BERMS SHALL NOT INCLUDE CONSTRUCTION DEBRIS. CONTRACTOR MUST CORRECT SLIPPAGE OR DAMAGE TO THE SMOOTH FINISH GRADE OF THE BERM PRIOR TO ACCEPTANCE.

27. ALL WALKWAYS SHALL MEET A.D.A. AND T.A.S. REQUIREMENTS. 28. CONTACT CITY OF ROCKWALL PLANNING DEPARTMENT AT 972-771-7745 FOR LANDSCAPE INSPECTION. LANDSCAPE INSTALLATION MUST COMPLY WITH APPROVED LANDSCAPE PLANS PRIOR TO FINAL ACCEPTANCE BY THE CITY AND/OR OBTAINING A CERTIFICATE OF OCCUPANCY. 29. FINAL INSPECTION AND APPROVAL OF SCREENING WALLS, IRRIGATION AND LANDSCAPE IS SUBJECT TO ALL PUBLIC UTILITIES, INCLUDING, BUT NOT LIMITED TO, MANHOLES,

VALVES, WATER METERS, CLEANOUTS AND OTHER APPURTENANCES, BEING ACCESSIBLE, ADJUSTED TO GRADE AND TO THE CITY OF ROCKWALL'S PUBLIC WORKS DEPARTMENT STANDARDS. PRIOR TO CALLING FOR A LANDSCAPE INSPECTION, CONTRACTOR IS RESPONSIBLE FOR MARKING ALL MANHOLES, VALVES, WATER METERS, CLEANOUTS AND OTHER UTILITY APPURTENANCES WITH FLAGGING FOR FIELD VERIFICATION BY THE PUBLIC WORKS DEPARTMENT.

W-Kir	N Inley»Horn)E
0	50'	100'
GRAF	PHIC SCALE 5	i0'

					TE BY
					DATE
					REVISIONS
					No.
	Kimlev»Horn		5750 GENESIS COURT, SUITE 200, FRISCO, TX 75034	MWW.KIMLEY-HORN.COM	texas registered engineering firm F-928
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KHA PROJECT 68108000	DATE 02/10/2016	SCALE AS SHOWN	DESIGNED BY: NMH	DRAWN BY: NMH	СНЕСКЕД ВУ: DKK
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PLANTING NOTES

- ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN. NO SUBSTITUTIONS IN PLANT MATERIALS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM OWNER OR LANDSCAPE ARCHITECT. IN THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL.
- LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK. ALL LANDSCAPED AREAS SHALL BE FULLY IRRIGATED WITH AN AUTOMATIC IRRIGATION
- SYSTEM. STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.
- PLANTS MASSED IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING. PROVIDE A STEEL EDGE OR SPADE EDGE BETWEEN ALL PLANTING BEDS AND LAWN AREAS AS CALLED FOR ON PLANS.
- ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 2" SHREDDED HARDWOOD MULCH.
- PROVIDE NATIVE GRASS SEEDING OR LAY NATIVE SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/ OR LIMITS OF DISTURBANCE OUTSIDE R.O.W. OR PROPOSED LANDSCAPE EASEMENT.
- THE CONTRACTOR, SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT TO BE LIMITED TO, MOWING, EDGING, PRUNING, FERTILIZING, WATERING, WEEDING, AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY.
- QUANTITIES ARE APPROXIMATE AND ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR, CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES AND PROVIDING SUFFICIENT QUANTITIES OF MATERIAL FOR COVERAGE BASED ON THE AREAS TO BE COVERED AND PLANT SPACING CALLED FOR.
- . ALL DISTURBED AREAS ON SITE NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH SEED OR HYDROMULCH.