SAM COLLINS PARK PHASE 1B PREPARED FOR THE SABINE RIVER AUTHORITY OF TEXAS BURKEVILLE, TX



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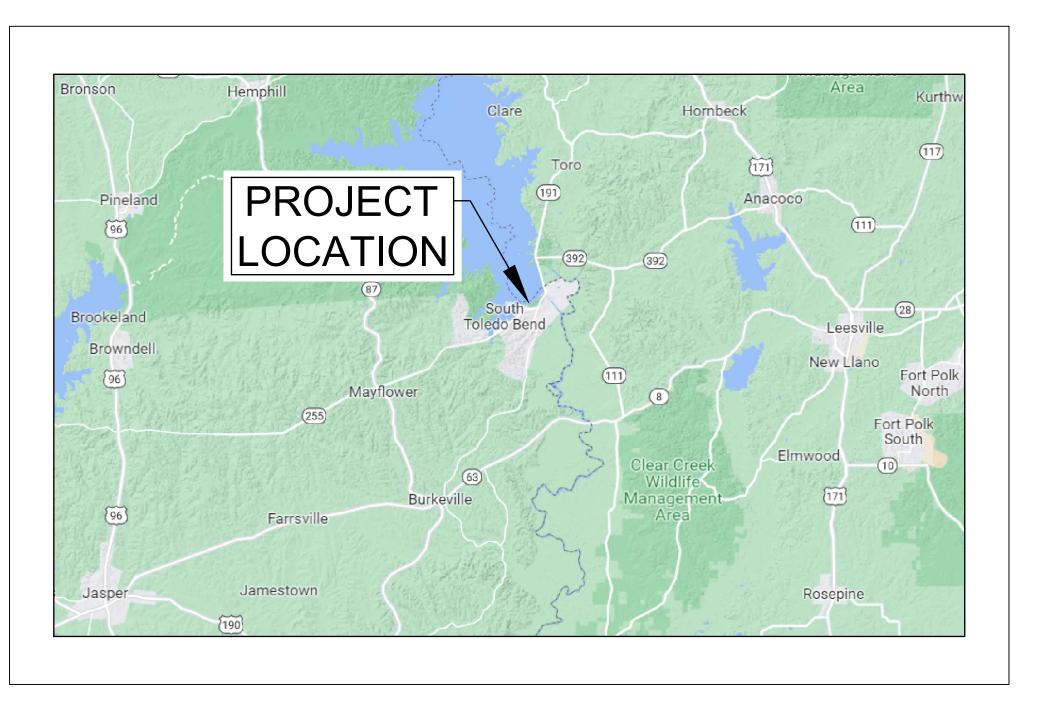
CONSULTANTS:

RINER ENGINEERING, INC

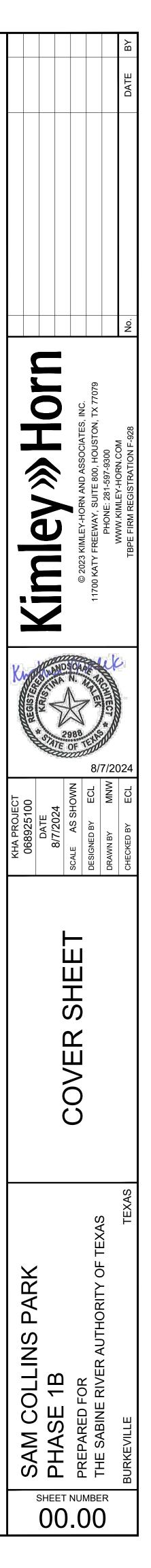
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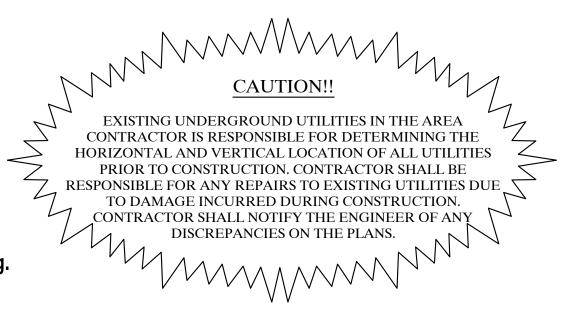
SAM FORSE COLLINS RECREATIONAL PARK BURKEVILLE, TX 75932

100% CONSTRUCTION DOCUMENTS: AUGUST 2024









SHEET INDEX			Drawings Issued	
	60% CONSTRUCTION DOCUMENT SET (ISSUE DATE - 10.4.23)	90% CONSTRUCTION DOCUMENT SET (ISSUE DATE - 11.8.23)	100% CONSTRUCTION DOCUMENT SET (ISSUE DATE - 08.07.24)	
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G0.01 GENERAL NOTES				
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L5.00 PLANTING SPECIFICAITONS				

SAM COLLINS PARK PHASE 1B PREPARED FOR	SHEET INDEX	KHA PROJECT 068925100 DATE 8/7/2024 SCALE AS SHOWN DESIGNED BY ECL	Solar Anter Solar	Kimley-HORN AND ASSOCIATES, INC. 2023 KIMLEY-HORN AND ASSOCIATES, INC. 11700 KATY ERFEWAY SUITE BOD HOUSTON TX 77079		
		DRAWN BY MNW		PHONE: 281-597-9300		
TEXAS		снескер ву ЕСL	024	WWWY.KIMLEY-HURN.CUM TBPE FIRM REGISTRATION F-928	No.	DATE BY

 CONTRACTOR SHALL VIERTY THE EXACT LOCATIONS IN THE FILL PRIOR BEFORE PROCEEDING WITH AL EXAVATION. C. THE CONTRACTOR SHALL NOTEY TEXAS ONE CALL AT LEST 46 HOURS BEFORE PROCEEDING WITH AL EXAVATION. C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATERLINE AND APPRICED NA WASTEWATER. STOOM WATER LINES, PAVING, SIDEWALCS AND TRAFTIC CONTROL DEVICES, DAMAGES SHALL BE REPARED IN ACCORDANCE WITH THE BABINE RIVER AUTHORITY STANDARD OR PREFEREN NO ADDITIONAL COST. CONTRACTOR SHALL NOEDWATELY PROTECT EXISTING STRUCTURES. UTILITIES, THESS, SURUSA, AND THE REMOVAL OF ANY TIEST THE CONTRACTOR MUST TAG AND PIELD VERIFY REMOVAL WITH OWNER REPRESENTATIVE AT 346-588-3887. THE CONTRACTOR SHALL NOT DUMP ANY DIRT OR OTHER MATERIALS ONTO A BROPERTY OUTSIDE OF BOILINGARY OF THE PERMIT IF SUCH DUMPING DOCURSY UNTIL OUT A VALID DEVINAL WITH OWNER REPRESENTATIVE AT 346-588-3887. THE RECOVED OF THE PERMITER DEPOLICET AND WITHIN NEWTOR COLMINT LIMITY OWNER REPRESENTATIVE AT 340-588-3887. THE RECOVED OF THE PERMITER DEPOLICET AND WITHIN NEWTOR COLMINT LIMITY OF OTHER MATERIALS PROVIDED THE PERMITY DEPOLICET AND WITHIN NEWTOR COLMINAL DIRT OF OTHER MATERIALS PROVIDED OCATION AT THE CONTRACTOR REPENSE. ON SITE MECHANICAL SWEETERS, ROAD BROOM 15 REDURED FOR THE PROJECTS HALLING DIRT OF FROM THE SITE IN EXCUSSION TO DUMP ON DOCUMAN LIMITY AND AND SIDEWALKS, S BE SAW OUT FOLL DIPTH PROVID TO REPENSE. ALL PAVEMENT TO BE REMOVED, INCLUDING CONCENET OR ASPHALT DRIVEWAYS AND SIDEWALKS, S BE SAW OUT FOLL DIPTH PROVED INCLUDING CONCENTS SHALL BE CONSTRUCTION AND ANY DAMAGE DIRT OF LILL DIPTH PROVED TO REPENSE. ALL WORK WITHIN HEIGHTS OF AND AND WIDERSTANDING ALL PROVED TO THE MALLS AND ADD SIDEWALKS, S BE SAW OUT TO FULL DEPTH PROVED IN REPORT TO REPORT TO THE ANALD ADD ANY DAMAGE DIRT OF THE ANY AND ADD UNDERSTANDING ALL RELEVANT INFORMATION PRIOR TO CONSTRUCTION. ALL MORK WITHIN HEIGHTS OF AND ADD ADD ADD REPORT DEPT AND SIDEWALKS, S		
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 WHEN IN AN AREA DIRECT PUBLIC ACCESS, AND AS DIRECTED BY THE SABINE RIVER AUTHORITY. 23. THE LOADING AND UNLOADING OF ALL PIPE, VALVES, FIRE HYDRANTS, MANHOLES AND OTHER ACCESS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PRACTICES AND SHALL AT AL TIMES BE PERFORMED WITH CARE TO AVOID ANY DAMAGE TO THE MATERIAL. THE CONTRACTOR SHALL LOCATE AND PROVIDE THE NECESSARY STORAGE AREAS FOR THE MATERIALS AND EQUIPMENT. 24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHIPPING AND STORAGE OF ALL MATERIALS. IT S BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE SUCH MATERIAL AT THE POINT OF DELIVERY AND REJECT ALL DEFECTIVE MATERIAL. ANY DEFECTIVE MATERIAL INCORPORATED INTO THE WORK SHALL REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THERE SHALL BE NO PAYMENT MADE FOR STORED MATERIAL. 25. SEE THE STORM WATER POLLUTION PREVENTION PLAN FOR ADDITIONAL ENVIRONMENTAL NOTES AND 	21.	
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	25.	

- 27. MOWING, MAINTENANCE AND CLEAN-UP OF THE PROJECT SHALL MEET THE REQUIREMENT OF SPECIFICATION ITEMS 02200 - SITE PREPARATION AND 01140 - CONTRACTOR'S USE OF PREMISSES (NO SEPARATE PAY). MOWING, MAINTENANCE AND CLEAN-UP IS REQUIRED FOR THE PROJECT LIMITS AND DURATION, REGARDLESS OF THE CONTRACTOR'S SCOPE OF ACTIVITIES WITH THE PROJECT.
- 28. ON ALL PAVEMENT TO BE REMOVED, INCLUDING CONCRETE DRIVEWAYS AND SIDEWALKS, THE PAVEMENT SHALL BE SAWCUT TO FULL DEPTH PRIOR TO REMOVAL.

STORM AND DRAINAGE

- 1. STORM SEWER SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEWTON COUNTY STANDARDS.
- 2. STORM SEWER MANHOLES AND INLETS SHALL BE BUILT ACCORDING TO TXDOT STANDARDS.
- 3. THE FINAL ELEVATION OF STORM SEWER MANHOLE RIMS SHALL BE AT FINISHED GRADE. PLAN RIM ELEVATIONS ARE APPROXIMATE AND ARE NOT INTENDED TO REPRESENT FINISHED GRADES.
- 4. ALL CHANNEL OR SWALE SIDE SLOPES AND/OR OTHER AREAS REQUIRING SEEDING AS DETERMINED BY THE OWNER'S REPRESENTATIVE, TO BE HYDROMULCH SEEDED.

SANITARY SEWER

- 1. ALL MANHOLES MUST BE PRECAST IN ACCORDANCE WITH THE SABINE RIVER AUTHORITY STANDARD. BRICK MANHOLES ARE NOT ALLOWED. ALL SANITARY MANHOLES SHALL INCLUDE STAINLESS STEEL INFLOW PROTECTORS.
- 2. ALL SANITARY SEWER PIPES SHALL BE BEDDED AND BACKFILLED, AS APPLICABLE. NO SEPARATE PAY. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY IF WET SANDS ARE ENCOUNTERED. BACKFILL UNDER OR WITHIN 1-FOOT OF EXISTING, PROPOSED OR FUTURE PAVEMENT SHALL BE CEMENT STABILIZED SAND UP TO 1' BELOW THE BOTTOM OF THE PAVING SUBGRADE. TEST REPORTS SHALL BE SUBMITTED PRIOR TO PLACEMENT OF PAVEMENT.
- 3. NO CONNECTIONS SHALL BE MADE TO THE EXISTING SANITARY SEWER LINES UNTIL ALL PROPOSED SEWER LINES HAVE BEEN THOROUGHLY CLEANED, TESTED AND APPROVED BY THE OWNER'S REPRESENTATIVE. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE CONTRACTOR CONNECTING TO ANY EXISTING SEWER LINES.
- 4. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 24 HOURS PRIOR TO PRESSURE AND DEFLECTION TESTS ON ALL SANITARY LINES.
- 5. ALL SANITARY SEWERS SHALL BE AIR TESTED PER SPECIFICATIONS.
- 6. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE AND SEMI-RIGID PIPE, EXCEPT SERVICE LEADS. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST FOR 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. THE TEST IS TO BE RUN USING A MANDREL HAVING AN OUTSIDE DIAMETER EQUAL TO 95% OF THE AVERAGE INSIDE DIAMETER OF THE PIPE. THE MANDREL SHALL HAVE A MINIMUM OF 9 RUNNERS, WITH THE CONTACT LENGTH OF EACH RUNNER EQUAL TO OR GREATER THAN THE PIPE'S NOMINAL DIAMETER. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
- 7. ALL SANITARY SEWER MANHOLE RIMS SHALL BE SET 3-INCHES ABOVE FINISHED GRADE WITHIN STREET R.O.W., OR WITHIN EASEMENTS. CLEAN FILL SHALL BE ADDED AND SLOPED AWAY FROM THE RIM FOR SURFACE WATER DRAINAGE. PLAN RIM ELEVATIONS ARE APPROXIMATE AND ARE NOT INTENDED TO REPRESENT FINISHED GRADES. COSTS FOR ALL ADJUSTMENTS, INCLUDING PRECAST CONE SECTIONS, AND PRECAST ADJUSTMENT RINGS, ARE TO BE INCLUDED IN THE UNIT PRICE FOR SANITARY SEWER MANHOLES. BRICKS ARE NOT ALLOWED. ALL EXISTING/PROPOSED MANHOLE RIMS WITHIN THE SIDEWALK SHOULD BE FLUSH WITH GRADE.
- SEALED MANHOLES ARE REQUIRED FOR MANHOLES CONSTRUCTED IN 100-YEAR FLOOD PLAIN.
- 9. SANITARY SEWER LINES PARALLEL TO WATER LINES SHALL BE INSTALLED WITH AT LEAST 9-FOOT HORIZONTAL AND 2-FOOT VERTICAL CLEARANCE AND IN SEPARATE TRENCHES. THE SEWER SHALL BE LOCATED BELOW THE WATERLINE.
- 10. SANITARY SEWER LINES CROSSING WATER LINES MUST HAVE A FULL LENGTH JOINT (18' NOMINAL) CENTERED AT THE CROSSING WITH A MINIMUM SEPARATION DISTANCE OF 6 INCHES.
- 11. ALL 6 INCH SANITARY SERVICE LEADS SHALL BE LAID WITH A MINIMUM GRADE OF 0.70%.
- 12. ALL SEWER LINES ENTERING MANHOLE AT A FLOW LINE HIGHER THAN 3'-0" ABOVE THE MANHOLE INVERT MUST BE PROVIDED WITH A DROP PIPE AND HAVE THE INVERT FILLETED.
- 13. SANITARY SEWER LATERAL SHALL NOT BE CONNECTED TO MANHOLE.
- 14. ACCESS TO MANHOLES WILL BE BY PORTABLE LADDER, AS STEPS ARE PROHIBITED.

WATER MAINS

- 1. WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH TXDOT STANDARDS.
- 2. UNLESS OTHERWISE NOTED, ALL WATER LINES SHALL HAVE A MINIMUM OF 3' OF COVER FOR THE WATERLINE DIAMETER LESS THAN 12 INCH AND 5' FOR 12 INCH AND LARGE PIPES TO FINISHED GRADE.
- 3. ALL WATER LINES, AFTER INSTALLATION, SHALL BE THOROUGHLY DISINFECTED ACCORDING TO AWWA SPECIFICATION C-651 AND THEN FLUSHED BEFORE BEING PLACED INTO SERVICE.
- 4. NOTIFY THE OWNER WHEN SYSTEM IS PRESSURE TESTED AND DISINFECTED. THE OWNER WILL TAKE ALL SAMPLES FOR BACTERIOLOGICAL TESTING AS REQUIRED BY TCEQ.
- 5. ALL WATER LINES ARE TO BE HYDROSTATICALLY TESTED BY THE CONTRACTOR AT 125 P.S.I. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT 346-888-3887 AT LEAST 24 HOURS PRIOR TO THE HYDROSTATIC TESTS.
- ALLOWABLE WATER LINE PIPE MATERIAL: SEE SPECIFICATION SECTION 02510.
- 7. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AT ALL UNDERGROUND TEES, BENDS AND LATERALS. THEY SHALL BE BUILT AS PER THE DETAILS PROVIDED TO PREVENT PIPE MOVEMENT. RESTRAINED JOINTS SHALL BE USED WHERE PREVENTING MOVEMENT OF 16-INCH DIAMETER OR GREATER PIPE IS NECESSARY DUE TO THRUST OR WHERE SPECIFIED ON PLANS.
- 8. ALL WATER VALVES SHALL OPEN COUNTER-CLOCKWISE. ALL WATER VALVES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH LATEST EDITION OF AWWA C-500 AND SHALL BE OF THE RESILIENT SEAT TYPE.
- 9. ALL BELOW GRADE VALVES SHALL BE GASKETED, HUB-END GATE VALVES WITH A CAST IRON BOX, EXCEPT WHERE FLANGES ARE CALLED OUT ON THE PLANS.
- 10. ALL FLANGES BELOW GRADE SHALL BE INSULATED.
- 11. ALL WATER LINES SHALL BE BEDDED AND BACKFILLED, AS APPLICABLE. BACKFILL UNDER OR WITHIN 1-FOOT

TRAFFIC CONTROL

- DURING CONSTRUCTION.

- DRAWINGS.
- **REGULATION/ FLAGGERS.**

OF PROPOSED PAVEMENT SHALL BE CEMENT STABILIZED SAND UP TO 1' BELOW THE BOTTOM OF THE SUBGRADE. TEST REPORTS SHALL BE SUBMITTED PRIOR TO PLACEMENT OF PAVEMENT. THE COST OF BEDDING AND BACKFILL IS TO BE INCLUDED IN THE UNIT PRICE OF WATER LINE.

12. CONTRACTOR SHALL PROVIDE FOR A MINIMUM OF 6 INCHES CLEARANCE AT THE STORM SEWER AND WATERLINE CROSSINGS AND THE SANITARY SEWER AND WATERLINE CROSSINGS. THE WATERLINE SHALL BE LOCATED AT A HIGHER LEVEL THAN THE SEWER WHENEVER POSSIBLE.

13. NECESSARY PRECAUTIONS MUST BE TAKEN DURING WATER LINE CONSTRUCTION, PER AWWA STANDARDS. PRECAUTIONS INCLUDE KEEPING THE PIPE CLEAN AND COPING OR OTHERWISE EFFECTIVELY COVERING OPEN PIPE ENDS TO EXCLUDE INSECTS. ANIMALS OR OTHER SOURCES OF CONTAMINATION FROM UNFINISHED PIPE LINES AT TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.

14. NO CONNECTIONS SHALL BE MADE TO THE EXISTING WATER LINES UNTIL ALL PROPOSED WATER LINES HAVE BEEN THOROUGHLY CLEANED, TESTED AND APPROVED BY THE OWNER'S REPRESENTATIVE AND THE SABINE RIVER AUTHORITY. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND THE SABINE RIVER AUTHORITY AT LEST 48 HOURS PRIOR TO CONNECTING TO ANY EXISTING WATER LINES.

1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD-LATEST EDITION WITH REVISIONS)

2. FLAGGERS ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED

3. CONTRACTOR SHALL COVER EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW.

APPROVED COPIES OF "TRAFFIC CONTROL PLANS" SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.

5. IF CONTRACTOR CHOOSES TO USE DIFFERENT METHODS OF TRAFFIC CONTROL DURING THE CONSTRUCTION THAN THOSE OUTLINED IN THE CONTRACT DRAWINGS, (S)HE SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLANS TO TRAFFIC SECTION OF NEWTON COUNTY FOR APPROVAL TEN (10) WORKING DAYS PRIOR TO IMPLEMENTATION. THOSE PLANS SHALL BE DRAWN TO SCALE AND SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF TEXAS. PLANS WILL BECOME A PART OF THE CONTRACT

6. THE TRAFFIC CONTROL MEASURES PROVIDED ON THE TRAFFIC CONTROL PLANS REPRESENT MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL MODIFY THE TRAFFIC CONTROL PLANS AS DESCRIBED IN THE NOTES ABOVE AND/OR SHALL PROVIDE ADDITIONAL MEASURES AS REQUIRED BY THE FIELD CONDITIONS OR AS DIRECTED BY THE THE OWNER'S REPRESENTATIVE AND THE SABINE RIVER AUTHORITY. ALL WORK ASSOCIATED WITH TRAFFIC CONTROL SHALL BE INCIDENTAL TO ITEM 01555-TRAFFIC CONTROL AND

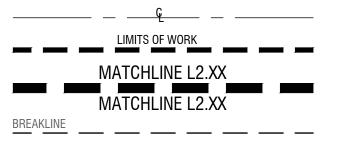
7. THE CONTRACTOR SHALL OBTAIN NECESSARY APPROVALS FROM TXDOT FOR ANY TRAFFIC CONTROL AND OTHER WORK PERFORMED WITHIN THE TXDOT RIGHT-OF-WAY.

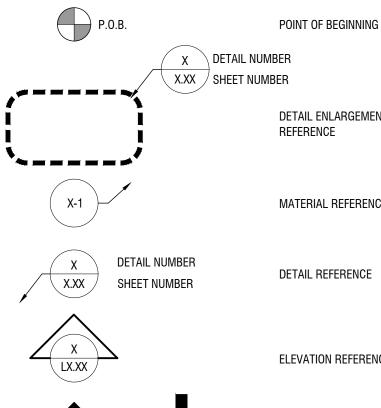
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	NHIEV STOLD		© ZUZJ NIMLET-TIONN AND ASSOCIATES, INC. 11700 KATY FREEWAY, SUITE 800, HOUSTON, TX 77079	PHONE: 281-597-9300	TBPE FIRM REGISTRATION F-928
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KHA PROJECT 068925100	DATE 8/7/2024	SCALE AS SHOWN	DESIGNED BY ECL	DRAWN BY MNW	СНЕСКЕД ВУ ЕСС
		GENERAL NOTES			
SAM COLLINS PARK	PHASE 1B		THE FARED FOR THE SABINE BIVED ALITHOBITY OF TEYAS		BURKEVILLE TEXAS
	SHEE				E

RENOVATION:	MATERIAL LEGEND:	
PAVILION: REF L3.03	PAVING	MISCELLANEOUS CONT.
 ITEMS LISTED ARE TO BE BID AS A PART OF THE OVERALL PAVILION RENOVATION. PRESSURE WASH PAVILION PRESSURE WASH ALL CONCRETE PAVING UNDER AND AROUND PAVILION ADD COLUMN MASONRY CLADDING AT ALL COLUMNS SEE H/L3.01 REPLACE METAL R-PANEL ROOF ENSURE COLOR TO MATCH EXISTING ADD 6" GUTTERS AND DOWNSPOUTS ADD 1X6 TO CLAD EDGE OF ROOF REPLACE IN KIND TONGUE IN GROOVE DECKING UNDER PAVILION ROOF 	P-1 CONCRETE PAVING (STANDARD) COLOR: NATURAL GRAY FINISH: MEDIUM BROOM FINISH 3000 PSI CONTROL JOINTS: SAWCUT (1/4 DEPTH OF CONCRETE) @ REGULAR INTERVALS (TYPICAL JOINT SPACING TO BE EQUAL TO WIDTH OF WALK) EXPANSION JOINTS: SEE PLANS FOR LOCATION, 30' MAX. JOINT SEALANT: COLOR TO MATCH CONCRETE APPROVAL: SEE SPECIFICATIONS	M-10 PLAYGROUND SAND TYPE: SAFE SAND CLASS: UNDYED, NATURALLY WHITE SIZE: NG PRODUCT NUMBER: SAND NOTE: MUST COMPLY WITH ASTM F963 STANDARD CUSTOMER SAFE TOY SAFETY APPROVAL: SAMPLE
RESTROOM: REF L3.03 ITEMS LISTED ARE TO BE BID AS A PART OF THE OVERALL RESTROOM RENOVATION. 1. PRESSURE WASH BUILDING 2. REPLACE IN KIND RESTROOM DOORS AND DOOR FRAMES 3. REPLACE IN KIND RESTROOM WINDOWS AND WINDOW FRAMES 4. PAINT EXISTING ROOF 5. REPLACE IN KIND ALL LIGHTS INSIDE RESTROOMS WITH COMPARABLE LED FIXTURES 6. REPLACE TOILETS AND SINKS WITH STAINLESS STEEL FIXTURES	P-2 ASPHALT PAVING (AT PARKING LOT) TYPE: TYPE D, DENSE GRADED HOT MIX REF. PLAN AND DETAILS FOR DEPTH APPROVAL: SEE SPECIFICATIONS ADA PAVER (AT ADA RAMP) TYPE: CONCRETE PAVER MANUFACTURER: KEYSTONE OR APPROVED EQUAL STYLE: TRUNCATED DOME PAVERS	M-11 CHAIN LINK FENCE AND GATES AT EXISTING SEPTIC TYPE: CUSTOM FABRICATED HEIGHT: 8'-0" COLOR: BLACK VINYL COATED WITH PRIVACY SLATS APPROVAL: ONSITE MOCK UP OF INITIAL INSTALL
 REPLACE IN KIND HANDLES, CHANGING TABLES, HOLDERS, AND ADA BENCHES REPLACE IN KIND EXHAUST FAN SYSTEM IN RESTROOMS RE-PAINT EXTERIOR OF BUILDING RE-PAINT WINDOW FRAMES AND GRATES REPLACE IN KIND ALL BUILDING SIGNAGE REMOVE ANCHORS AND PATCH EXTERIOR WALLS PRESSURE WASH FLOOR OF BATHROOMS AND APPLY NEW EPOXY COATING ADD FROST-PROOF HOSE BIBS REPLACE IN KIND DRINKING FOUNTAIN ATTACHED TO RESTROOM BUILDING REPLACE IN KIND EXTERIOR PACK LIGHTS ON RESTROOM BUILDING 	COLOR: TO BE SELECTED BY OWNER SIZE: 4" X 8" PATERN: GRID INSTALL: 4" CONCRETE SUBBASE, REF. DETAILS SUPPLIER: KEYSTONE CONTACT: DAVE HASNESS (713.467.6436) APPROVAL: CUT SHEET, SAMPLE, MOCKUP MISCELLANEOUS For the substance of t	M-12 BRASS PLAQUE TYPE: OWNER PROVIDED INSTALL: REF DETAIL E/L3.01
 ADD OR REPLACE ELASTOMERIC COATING AROUND SKY LIGHTS AND VENT PENETRATIONS MISCELLANEOUS SALVAGE 'SAM R COLLINS' SIGN SECURE STORE INSTALL SAM R COLLINS SIGN ON GRANITE BLOCK, REF. DETAIL E/L3.01 	M-1 PLAYGROUND EQUIPMENT PACKAGE TYPE: LANDSCAPE STRUCTURES INSTALL: PER MANUFACTURER'S DETAILS AND RECOMMENDATIONS PRIORITIZE SUBMITTAL IF THERE ARE LONG LEAD TIMES SUPPLIER: LONE STAR RECREATION OR APPROVED EQUAL CONTACT: VANESSA ZELAYA PH: 281-970-9010 E:VANESSA.ZELAYA@LONESTARRECREATION.COM COLORS: REFER TO MANUFACTURER SPECS FOR ALL FINISHES, CONNECTION DETAILS, HARDWARE, AND INSTALL INSTRUCTIONS	M-13 STONE VENEER TYPE: OKLAHOMA SUNSET CHOPPED STONE SIZE: 2-5" HT X 6-18" WIDTH CONTACT: 5-STAR STONE TYLER TX OR APPROVED EQUAL PH: 903-266-9230 INSTALL: REF DETAIL H/L3.01 APPROVAL: ONSITE MOCK UP OF INITIAL INSTALL
 REMOVE HAUL OFF AND DISPOSE OF ALL EXISTING CONCRETE AROUND PAVILION; PAVILION SLAB AND ADJACENT SIDEWALKS AND INSTALL NEW CONCRETE PAVILION SLAB AND ADJACENT CONCRETE WALKS IN THEIR ORIGINAL LOCATIONS REMILL AND ADD ASPHALT OVERLAY TO ENTRY ROAD FROM 255 TO PROJECT SITE REF C2.01 	APPROVAL: CUT SHEETS, COLORS, AND SITE LAYOUT BOULDERS TYPE: HICKORY BEAM INSTALL: PER DETAIL I/L3.00 SUPPLIER: APEX STONE OR APPROVED EQUAL SIZES: REFERENCE DETAIL APPROVAL: PHOTOGRAPHS, AND SITE LAYOUT	
	M-3 TYPE: MOSS BOULDERS INSTALL: PER DETAIL D/L3.01 SUPPLIER: APEX STONE OR APPROVED EQUAL COLORS: REFERENCE DETAIL APPROVAL: PHOTOGRAPHS, AND SITE LAYOUT	
	M-4 OUTDOOR DRINKING FOUNTAIN TYPE: FRONT APPROACH DRINKING FOUNTAIN MODEL: 440 SMFA COLORS: TO BE DECIDED BY OWNER INSTALL: PER MANUFACTURER'S SPECIFICATIONS SUPPLIER: MOST DEPENDABLE FOUNTAINS, INC. OR APPROVED EQUAL APPROVAL: CUT SHEET	
	M-5 TYPE: DURAPLAY OR APPROVED EQUAL MODEL: CONFIRM WITH LA PRIOR TO PURCHASE INSTALL: PER MANUFACTURER'S SPECIFICATIONS SUPPLIER: LONESTAR RECREATION OR APPROVED EQUAL APPROVAL: SAMPLE	
	M-6 MODEL: KIDDIE KUSHION OR APPROVED EQUAL INSTALL: PER MANUFACTURER'S SPECIFICATIONS SUPPLIER: NEW EARTH (281.574.0316) OR APPROVED EQUAL MUST CONFORM WITH ASTM F1292, ASTM F1951, ASTM F2075 APPROVAL: CUT SHEET	
	M-7 M-7 PLAYGROUND FENCING TYPE: CUSTOM FABRICATED HEIGHT: 4'-0" COLOR: BLACK VINYL COATED APPROVAL: ONSITE MOCK UP OF INITIAL INSTALL	
	M-8 LANDSCAPE BENCHES TYPE: B79 SERIES CONTOUR 8' BENCH, PERFORATED STEEL W/ CUSTOM LOGO, THERMO-PLASTIC COATED HEIGHT: B79/CW-8RN FRAME: IN-GROUND; COLOR: BROWN SEAT & BACK: COLOR: FOREST GREEN INSTALL: PER MANUFACTURER'S SPECIFICATIONS SUPPLIER: PLAYWELL OR APPROVED EQUAL APPROVAL: CUT SHEET	
	M-9 TYPE: IN-GROUND MOUNTED TRASH RECEPTACLE MODEL: CN-R/RN-32 ROUND TRASH RECEPTACLE W/ PLASTIC DOME LID, LINER, & CHAIN KIT FINISH: THERMOPLASTIC COATED PERFORATED STEEL W/ SRA LOGO INSTALL: PER MANUFACTURER'S SPECIFICATIONS SUPPLIER: BJ'S PARKS AND RECREATION PRODUCTS OR APPROVED EQUAL CONTACT: KEVIN HANES PH: 281-356-2110 E: KEVIN@BJSPARK.COM APPROVAL: CUT SHEET AND COLORS	

SYMBOLS LEGEND:

GENERAL





LIMITS OF WORK MATCHLINE GRADE BREAKLINE EXPANSION JOINT CONTROL JOINT POINT OF BEGINNING DETAIL ENLARGEMENT REFERENCE MATERIAL REFERENCE

CENTER LINE

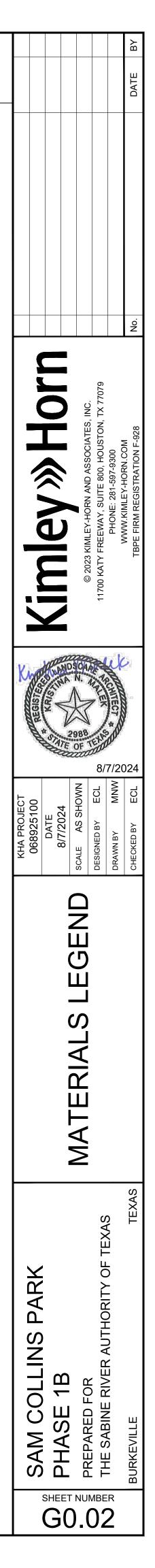
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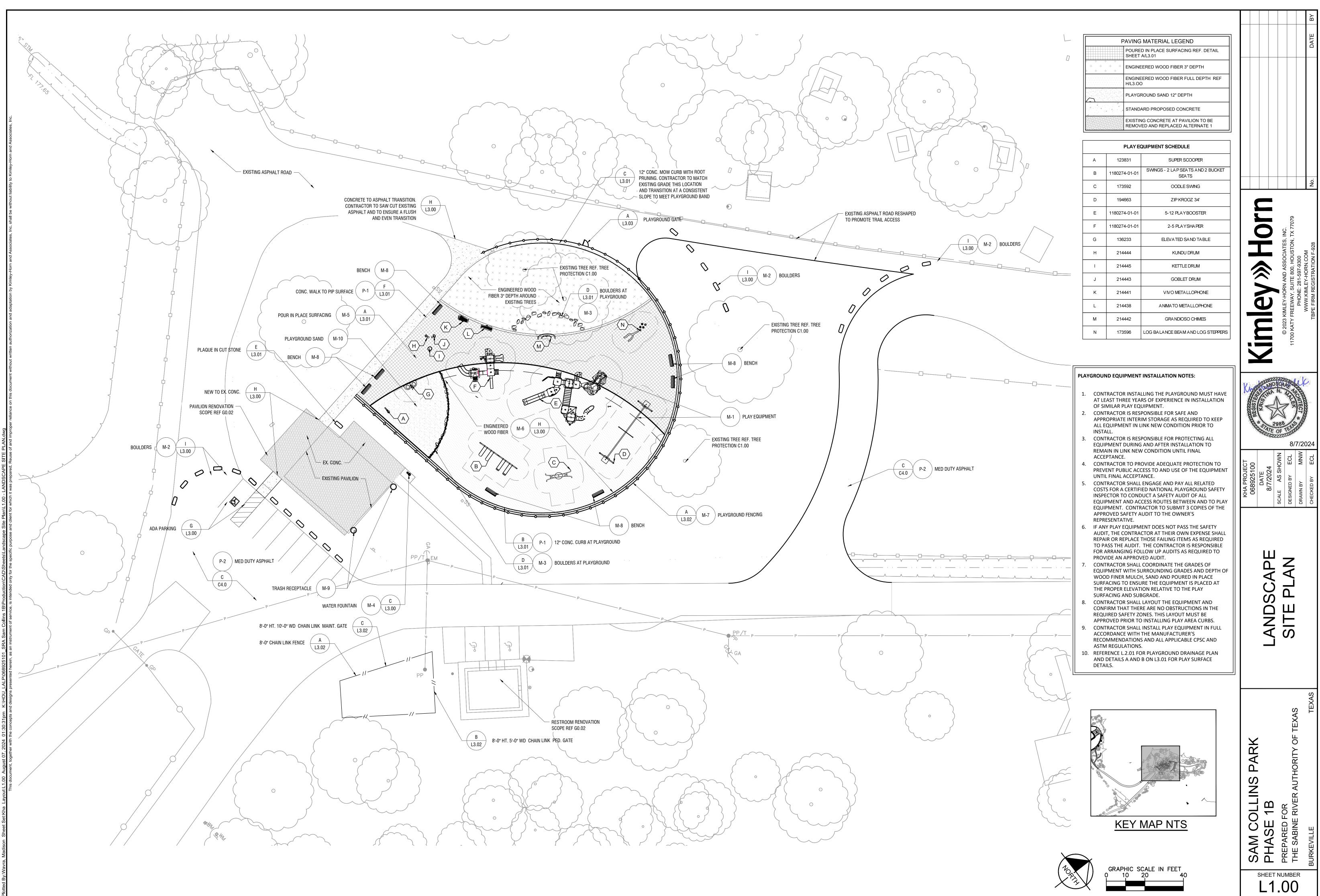
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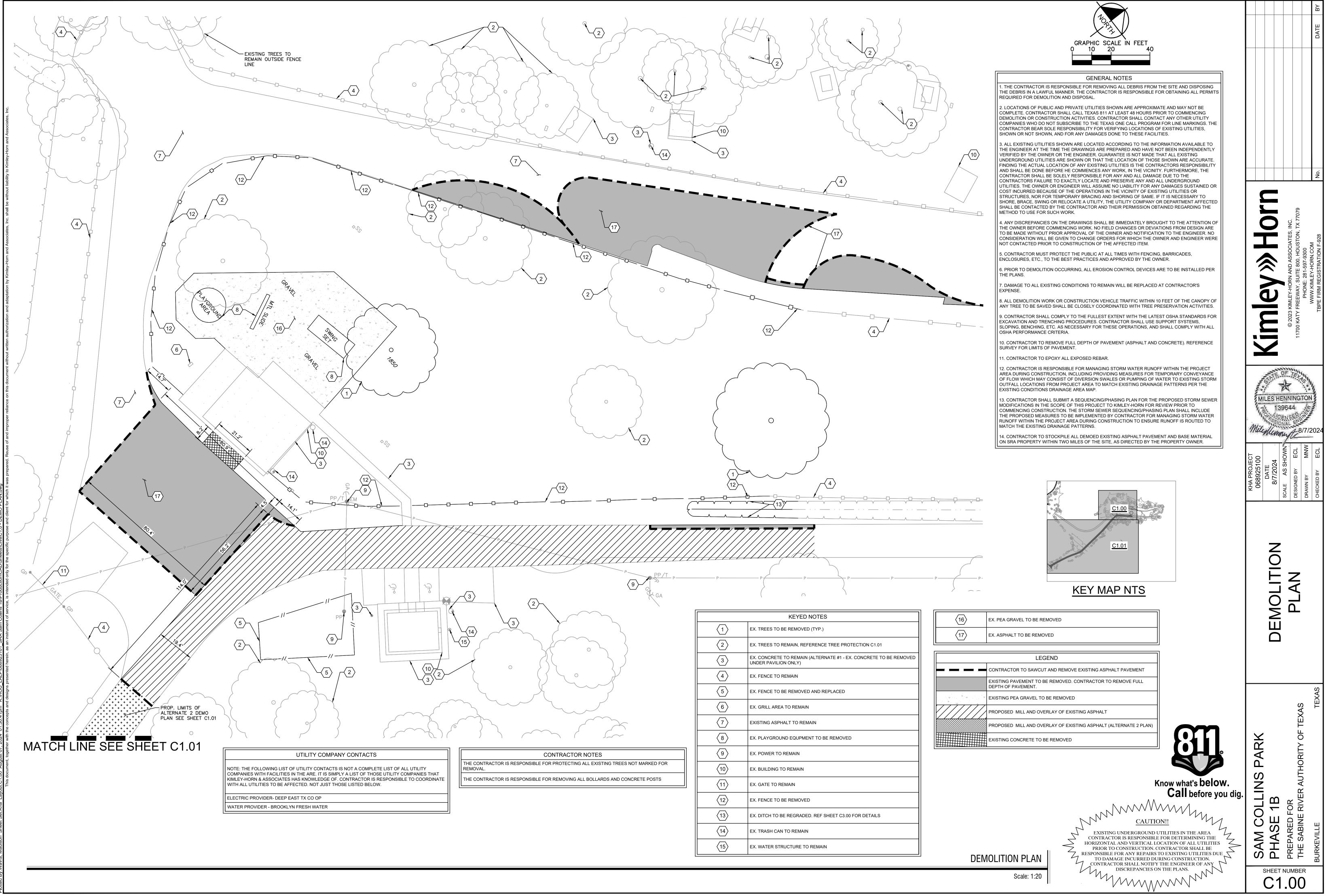
ABBREVIATIONS

X LX.XX

735.46 • ME	PROPOSED SPOT GRADE EXISTING SPOT GRADE
TW	TOP OF WALL
BW	BOTTOM OF WALL
EW	END OF WALL
TF	TOP OF FOOTING
COL	TOP OF COLUMN
TS	TOP STEP
BS	BOTTOM STEP
TR	TOP OF RAMP
BR	BOTTOM OF RAMP
TC	TOP OF CURB
BC	BOTTOM OF CURB
ТВ	TOP OF BAND
ТР	TOP OF PAVEMENT
TGr	TOP OF GRAVEL
TG	TOP OF GRADE
FL	FLOWLINE/INVERT ELEVATION
EJ	EXPANSION JOINT
CJ	CONTROL JOINT
CL	CENTER LINE
POB	POINT OF BEGINNING
FG	FINISH GRADE

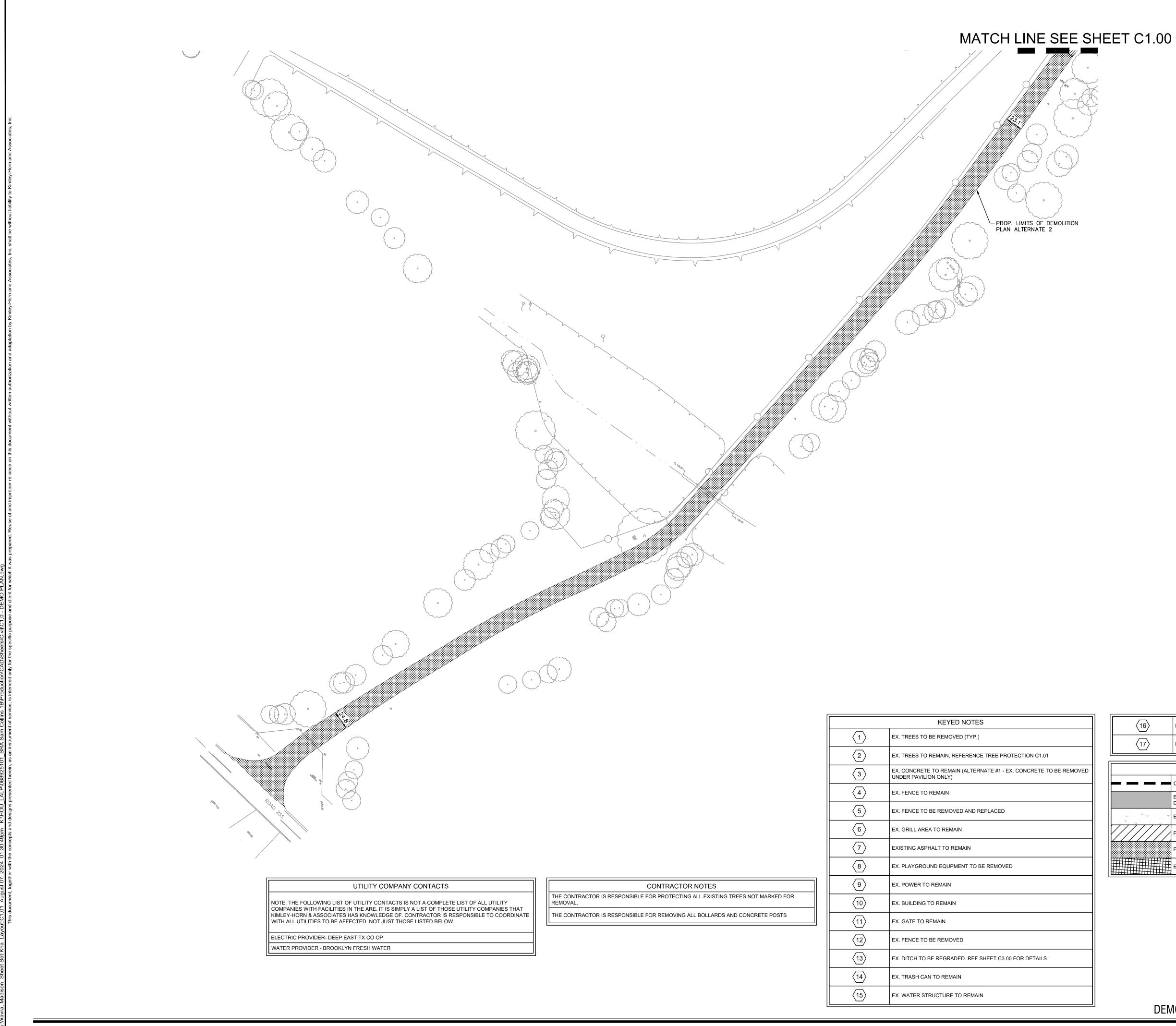






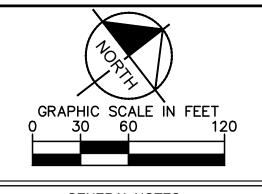
CONTRACTOR NOTES
THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING TREES NOT MARKED FOR REMOVAL.
THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL BOLLARDS AND CONCRETE POSTS

	KEYED NOTES
	EX. TREES TO BE REMOVED (TYP.)
2	EX. TREES TO REMAIN, REFERENCE TREE PROTECTION C1.01
3	EX. CONCRETE TO REMAIN (ALTERNATE #1 - EX. CONCRETE TO BE REMOVED UNDER PAVILION ONLY)
4	EX. FENCE TO REMAIN
5	EX. FENCE TO BE REMOVED AND REPLACED
6	EX. GRILL AREA TO REMAIN
7	EXISTING ASPHALT TO REMAIN
8	EX. PLAYGROUND EQUPMENT TO BE REMOVED
9	EX. POWER TO REMAIN
(10)	EX. BUILDING TO REMAIN
(11)	EX. GATE TO REMAIN
(12)	EX. FENCE TO BE REMOVED
(13)	EX. DITCH TO BE REGRADED. REF SHEET C3.00 FOR DETAILS
(14)	EX. TRASH CAN TO REMAIN
(15)	EX. WATER STRUCTURE TO REMAIN



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THE CONTRA	ACTOR IS RESPONSIBLE FOR REMOVING ALL BOLLARDS AND CONCRETE POSTS



GENERAL NOTES . THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. 2. LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL CALL TEXAS 811 AT LEAST 48 HOURS PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTACT ANY OTHER UTILITY COMPANIES WHO DO NOT SUBSCRIBE TO THE TEXAS ONE CALL PROGRAM FOR LINE MARKINGS. THE CONTRACTOR BEAR SOLE RESPONSIBILITY FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, SHOWN OR NOT SHOWN, AND FOR ANY DAMAGES DONE TO THESE FACILITIES. 3. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO

THE ENGINEER AT THE TIME THE DRAWINGS ARE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. 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 SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGE DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND 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. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.

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5. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., TO THE BEST PRACTICES AND APPROVED BY THE OWNER.

6. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED PER THE PLANS.

7. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.

8. ALL DEMOLITION WORK OR CONSTRUCTION VEHICLE TRAFFIC WITHIN 10 FEET OF THE CANOPY OF ANY TREE TO BE SAVED SHALL BE CLOSELY COORDINATED WITH TREE PRESERVATION ACTIVITIES.

9. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS FOR EXCAVATION AND TRENCHING PROCEDURES. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS, AND SHALL COMPLY WITH ALL OSHA PERFORMANCE CRITERIA.

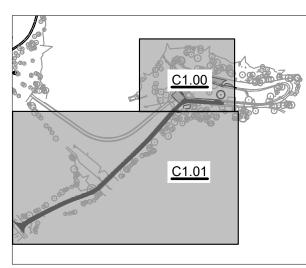
10. CONTRACTOR TO REMOVE FULL DEPTH OF PAVEMENT (ASPHALT AND CONCRETE). REFERENCE SURVEY FOR LIMITS OF PAVEMENT.

11. CONTRACTOR TO EPOXY ALL EXPOSED REBAR.

12. CONTRACTOR IS RESPONSIBLE FOR MANAGING STORM WATER RUNOFF WITHIN THE PROJECT AREA DURING CONSTRUCTION, INCLUDING PROVIDING MEASURES FOR TEMPORARY CONVEYANCE OF FLOW WHICH MAY CONSIST OF DIVERSION SWALES OR PUMPING OF WATER TO EXISTING STORM OUTFALL LOCATIONS FROM PROJECT AREA TO MATCH EXISTING DRAINAGE PATTERNS PER THE EXISTING CONDITIONS DRAINAGE AREA MAP.

13. CONTRACTOR SHALL SUBMIT A SEQUENCING/PHASING PLAN FOR THE PROPOSED STORM SEWER MODIFICATIONS IN THE SCOPE OF THIS PROJECT TO KIMLEY-HORN FOR REVIEW PRIOR TO COMMENCING CONSTRUCTION. THE STORM SEWER SEQUENCING/PHASING PLAN SHALL INCLUDE THE PROPOSED MEASURES TO BE IMPLEMENTED BY CONTRACTOR FOR MANAGING STORM WATER RUNOFF WITHIN THE PROJECT AREA DURING CONSTRUCTION TO ENSURE RUNOFF IS ROUTED TO MATCH THE EXISTING DRAINAGE PATTERNS.

14. CONTRACTOR TO STOCKPILE ALL DEMOED EXISTING ASPHALT PAVEMENT AND BASE MATERIAL ON SRA PROPERTY WITHIN TWO MILES OF THE SITE, AS DIRECTED BY THE PROPERTY OWNER.



KEY MAP NTS

EX. PEA GRAVEL TO BE REMOVED
EX. ASPHALT TO BE REMOVED
LEGEND
CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT
EXISTING PAVEMENT TO BE REMOVED. CONTRACTOR TO REMOVE FULL DEPTH OF PAVEMENT.
EXISTING PEA GRAVEL TO BE REMOVED
PROPOSED MILL AND OVERLAY OF EXISTING ASPHALT
PROPOSED MILL AND OVERLAY OF EXISTING ASPHALT (ALTERNATE 2 PLAN)
EXISTING CONCRETE TO BE REMOVED





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CAUTION!!

EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE

HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES

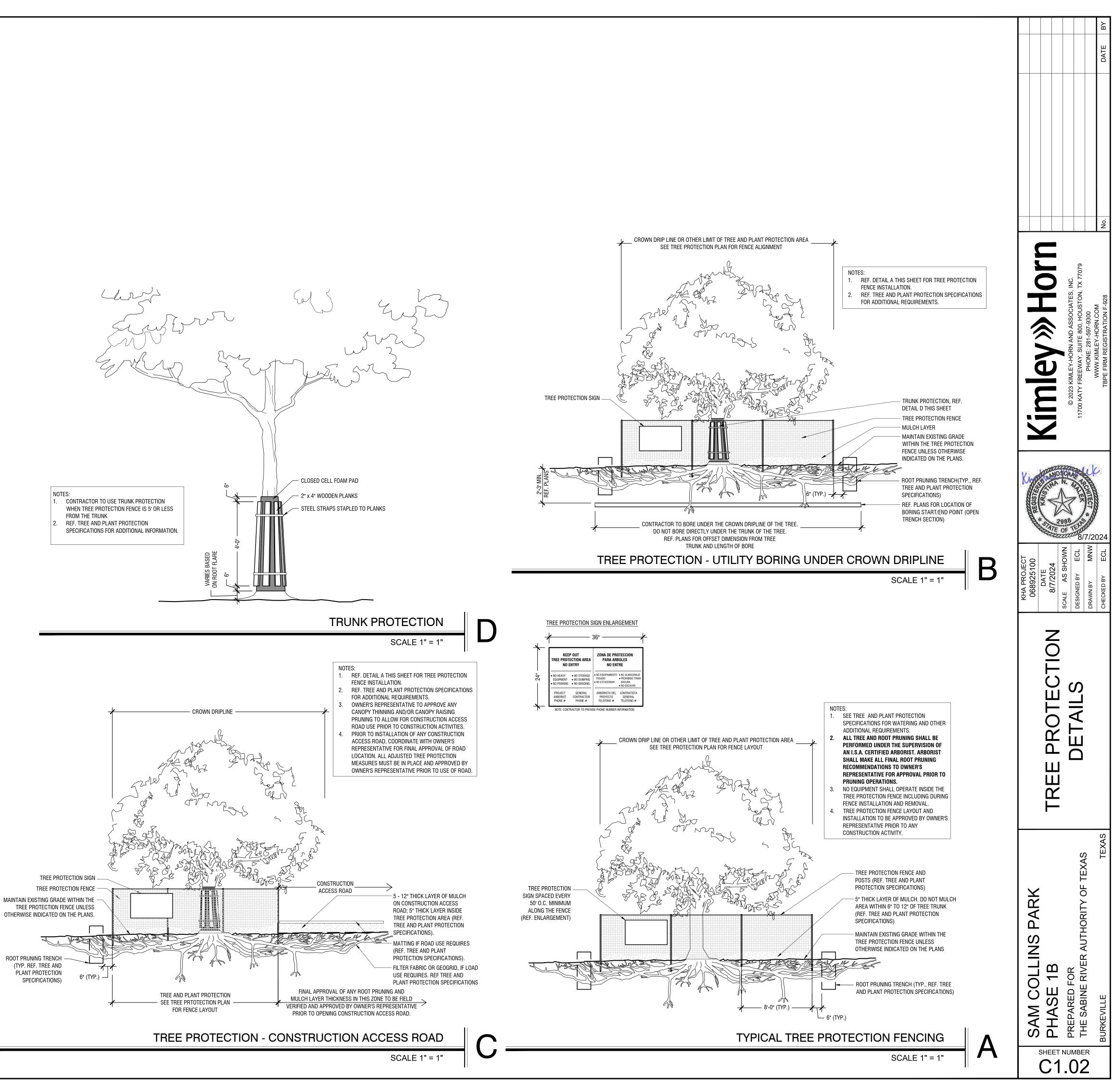
PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION.

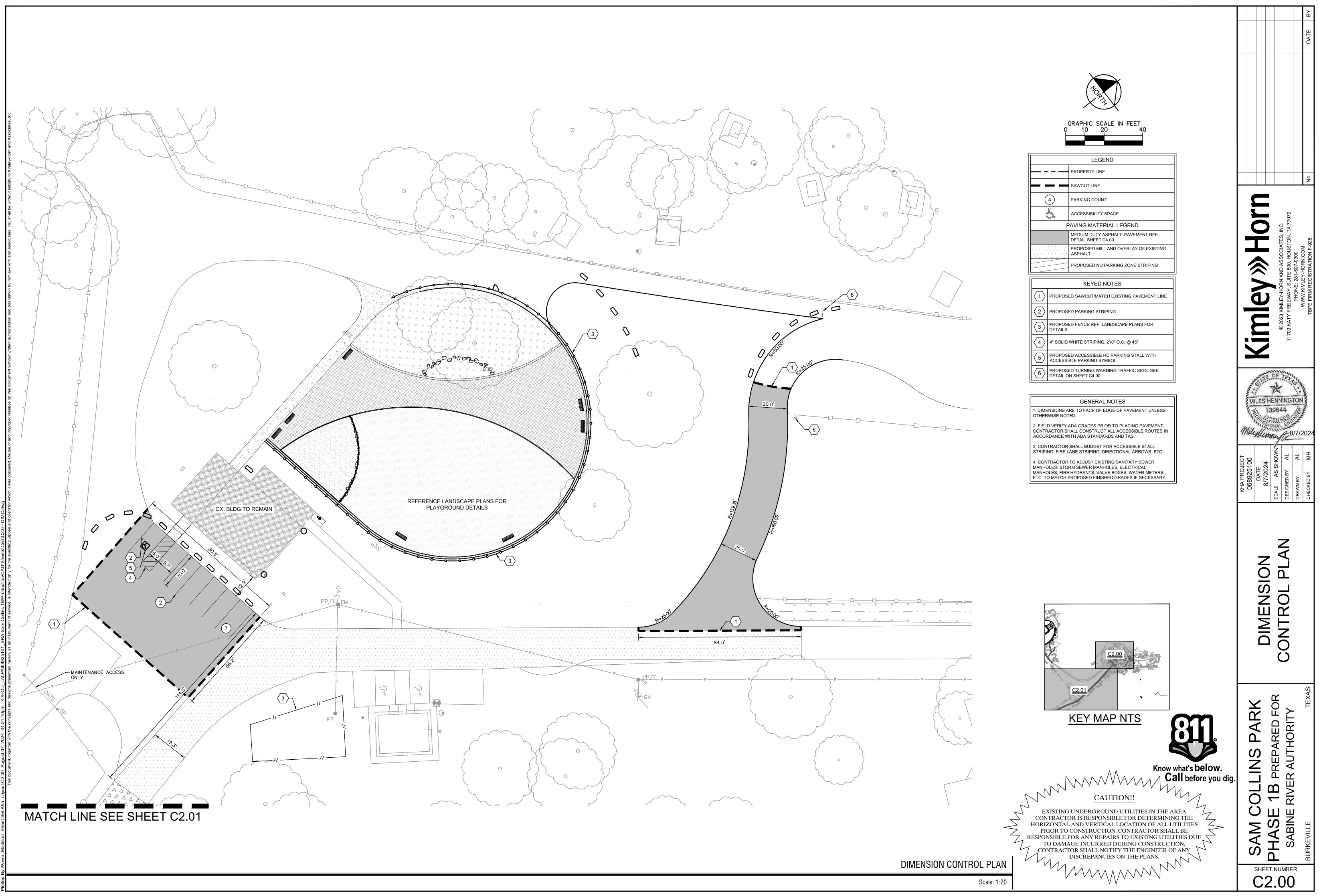
DEMOLITION PLAN

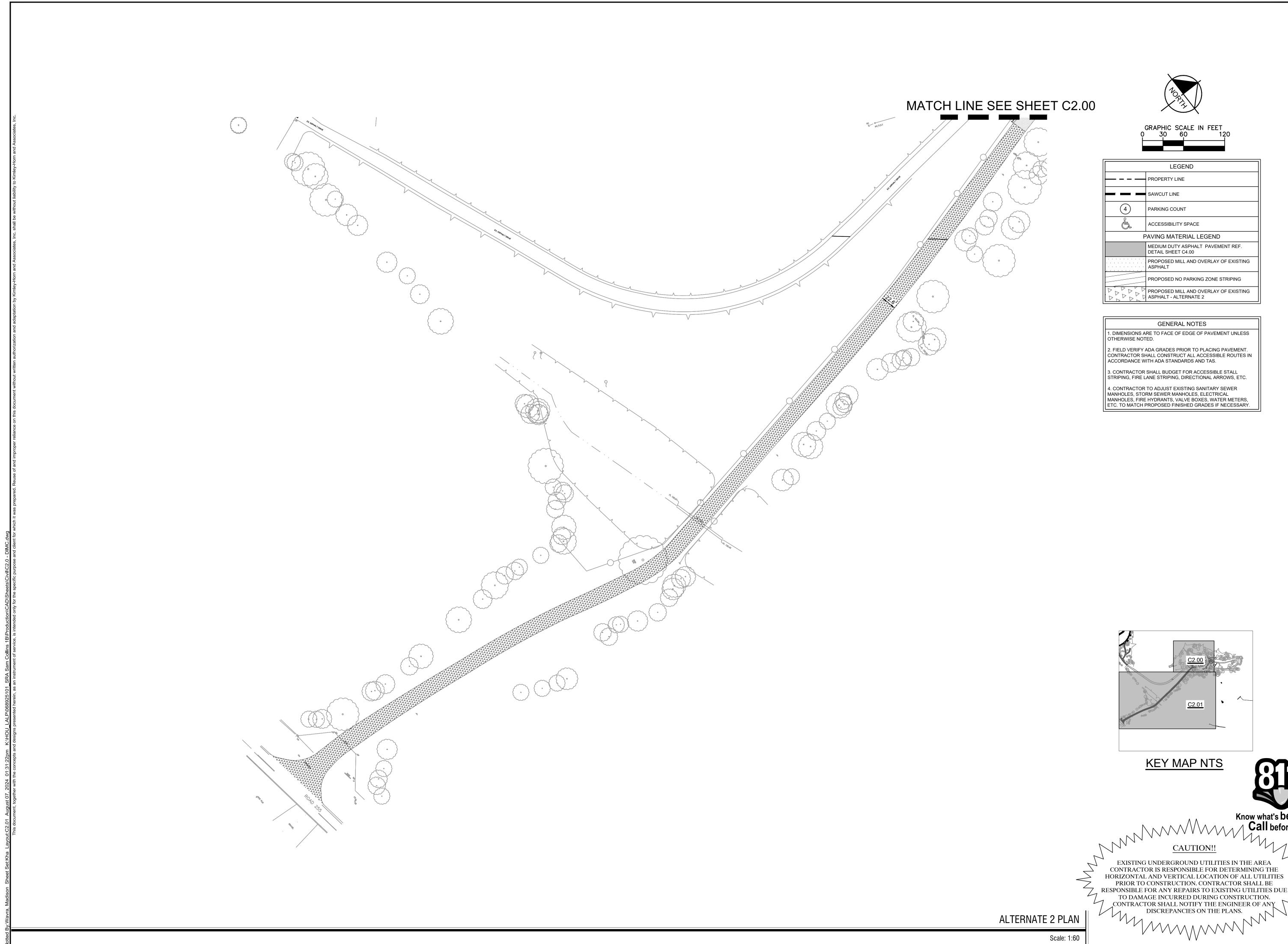
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	E PROTECTION NOTES: ALL TREES SHOWN ON THIS PLAN TO BE RETAINED OR REPLANTED SHALL BE PROTECTED DURING CONSTRUCTION
2.	TREE PROTECTION FENCES SHALL BE ERECTED ACCORDING TO HARRIS COUNTY, ISA STANDARDS AND/OR THE GUIDELINES TO FOLLOW FOR TREE PROTECTION.
3.	TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
4.	FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES; SHALL BE LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE); AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING: A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS.
З.	ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL) OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ARBORIST OR
C. D.	LANDSCAPE ARCHITECT. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH A CHEMICAL STORAGE, CONCRETE TRUCK CLEANING, AND FIRES.
5.	EXCEPTIONS TO INSTALLING FENCES AT TREE DRIPLINES MAY BE PERMITTED IN THE FOLLOWING CASES:
А. ¬	WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
3. C.	WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER
0	SPECIAL REQUIREMENTS, CONTACT THE LANDSCAPE ARCHITECT.
6.	WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE TRUNK, PROTECT THE TRUCK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
	ALL GRADING WITHIN PROTECTED ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
8.	ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCED SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
9.	PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITHIN A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS. REF. DETAIL B
10.	TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
11.	WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE ROOT ZONE.
12.	ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
13.	PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS (BEFORE DAMAGE OCCURS). ALL FINISHED PRUNING MUST BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY; REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES, CLASS IV OF PRUNING (AVAILABLE ON REQUEST FROM THE CITY ARBORIST).
14.	ALL WOUNDS WHICH OCCUR TO TREE TRUNKS AND LIMBS MUST BE REPAIRED WITHIN 24 HOURS OF OCCURRENCE BY BARK TRACING TO REMOVE DAMAGED WOOD AND BARK AND THOROUGHLY SEALED WITH AN ACCEPTABLE TREE WOUND DRESSING. THIS SPECIFICALLY APPLIES TO WOUNDS CREATED BY CONSTRUCTION VEHICLES AND EQUIPMENT, INSTALLATION OF TOWERS AND PIERS, AND STRINGING OF ELECTRICAL LINES.
15.	TREES APPROVED FOR REMOVAL OR REPLANTING SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
16.	TREES MARKED ON PLANS TO BE REMOVED SHALL BE TAKEN DOWN IN SUCH A MANNER AS NOT TO DAMAGE SURROUNDING TREES, PLANTS, UTILITIES, FENCES, STRUCTURES, OR ANY OTHER GOVERNMENT OR PERSONAL PROPERTY. NO HEAVY EQUIPMENT SHALL BE USED FOR PINE REMOVALS WITHIN TREE SAVE AREAS. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OR THE COST OF REPAIR OF ANY DAMAGE INCURRED.
17.	ALL EXISTING NOXIOUS WEEDS AND TREES, INCLUDING POISON IVY, PRIVET, TALLOW, ETC., SHALL BE TREATED WITH HERBICIDE AND REMOVED FROM THE SITE AS DIRECTED. CONTACT LANDSCAPE ARCHITECT FOR LIST OF NOXIOUS WEED SPECIES.
18.	IF TREE PRESERVATION ZONES OR TREES TO BE PRESERVED ARE DAMAGED, CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATION AND REFORESTATION PER THE TREE PRESERVATION SPECIFICATIONS.
19.	CONTRACTOR TO STAKE ALL SITE WORK IN FIELD FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO ANY DISTURBANCE.
20.	WALK LAYOUT IS BASED ON EXISTING TREE PROTECTION AREAS THAT NEED TO BE VERIFIED ON SITE. CONTRACTOR TO STAKE CENTER LINE OF WALK AND DG / DIRT PATH FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO CONSTRUCTION.
21.	MINIMIZE DISTURBANCE OF EXISTING GRADE. CONTRACTOR IS NOT TO DISTURB ROOTS OF EXISTING TREES THAT ARE TO REMAIN. NO HEAVY EQUIPMENT IS TO BE USED IN TREE PRESERVATION AREAS OR SELECT CLEARING AREAS.
22.	CLEARING AND GRUBBING IS REQUIRED FOR ALL TREES THAT CONFLICT WITH WALK LAYOUT, WITHIN 3'-0" FROM EITHER SIDE OF WALK. TAG TREES FOR REMOVAL FOR LA APPROVAL PRIOR TO CONSTRUCTION.
23.	SELECT CLEARING SHALL INCLUDE CLEARING ALL TREES LESS THAN 2" CALIPER, LIMBING UP TREES TO 7'-0", AND REMOVING ANY NOXIOUS VINES. ALL CLEARING SHALL BE DONE BY HAND HELD EQUIPMENT WHEN WITHIN LIMITS OF TREE PRESERVATION AREAS. NO HEAVY MACHINERY IN TREE PRESERVATION AREAS. CONTRACTOR SHALL MOCKUP 10X10 SELECT CLEARING AREA FOR LA APPROVAL PRIOR TO CONSTRUCTION.

ROOT PRUNING TRENCH -(TYP. REF. TREE AND PLANT PROTECTION





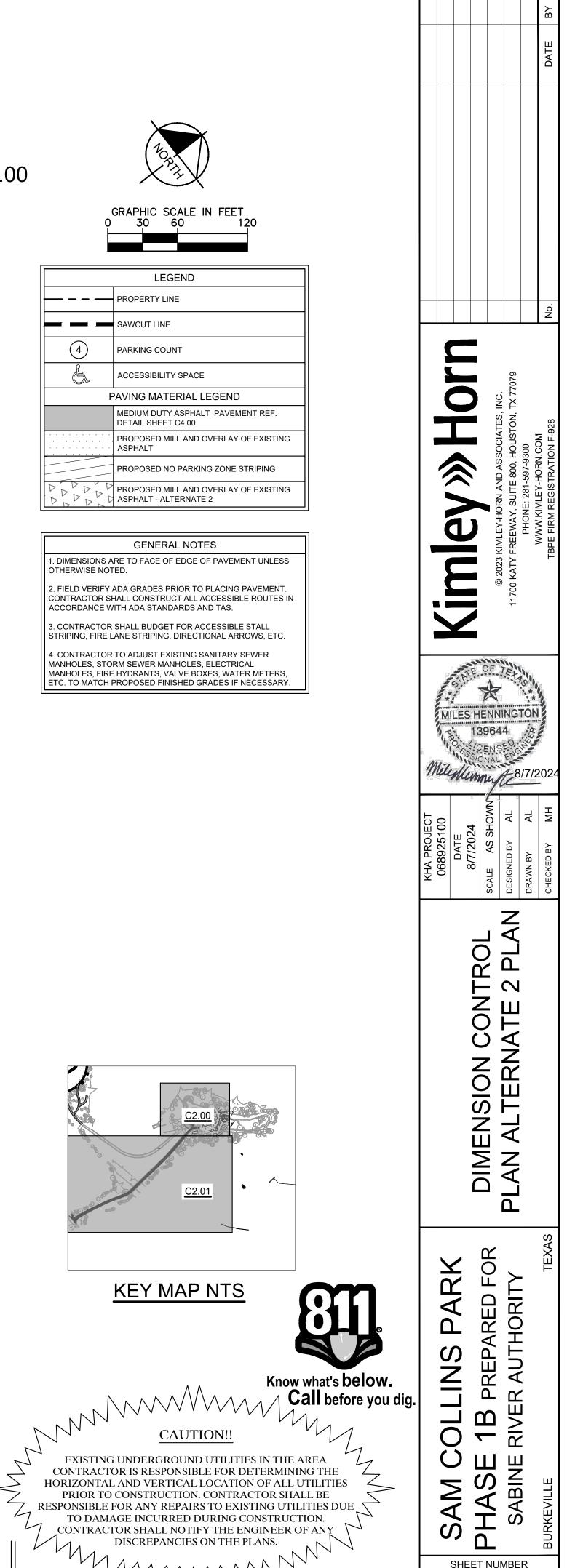


GRAPHIC SCALE IN FEET 0 30 60 120					
	LEGEND				
	SAWCUT LINE				
4	PARKING COUNT				
G	ACCESSIBILITY SPACE				
F	AVING MATERIAL LEGEND				
	MEDIUM DUTY ASPHALT PAVEMENT REF. DETAIL SHEET C4.00				
· · · · · · · · · · · · · · · · · · ·	PROPOSED MILL AND OVERLAY OF EXISTING ASPHALT				
	PROPOSED NO PARKING ZONE STRIPING				
	PROPOSED MILL AND OVERLAY OF EXISTING ASPHALT - ALTERNATE 2				

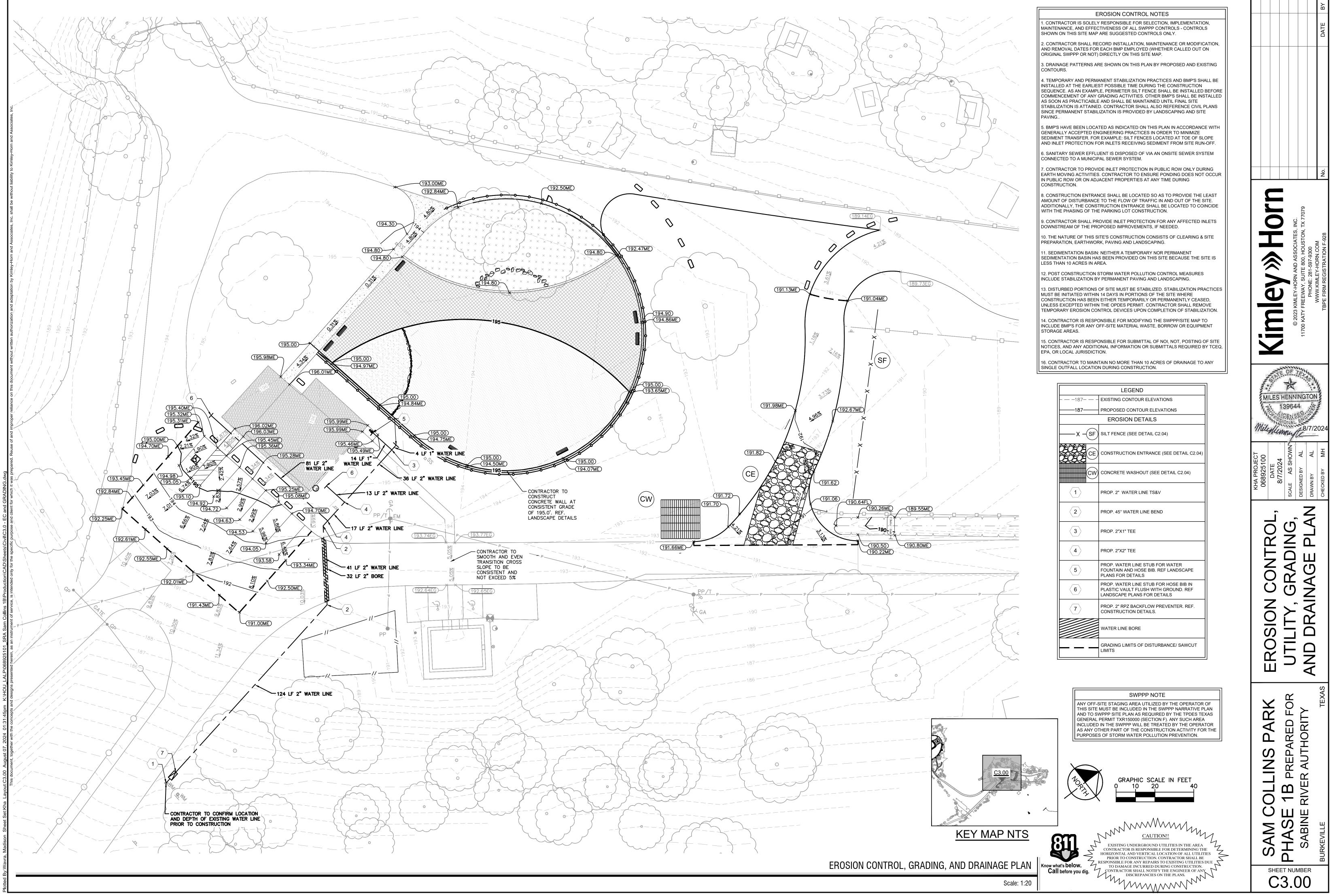
GENERAL NOTES
1. DIMENSIONS ARE TO FACE OF EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. FIELD VERIFY ADA GRADES PRIOR TO PLACING PAVEMENT. CONTRACTOR SHALL CONSTRUCT ALL ACCESSIBLE ROUTES IN ACCORDANCE WITH ADA STANDARDS AND TAS.
3. CONTRACTOR SHALL BUDGET FOR ACCESSIBLE STALL STRIPING, FIRE LANE STRIPING, DIRECTIONAL ARROWS, ETC.
4. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, STORM SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, ETC. TO MATCH PROPOSED FINISHED GRADES IF NECESSARY.

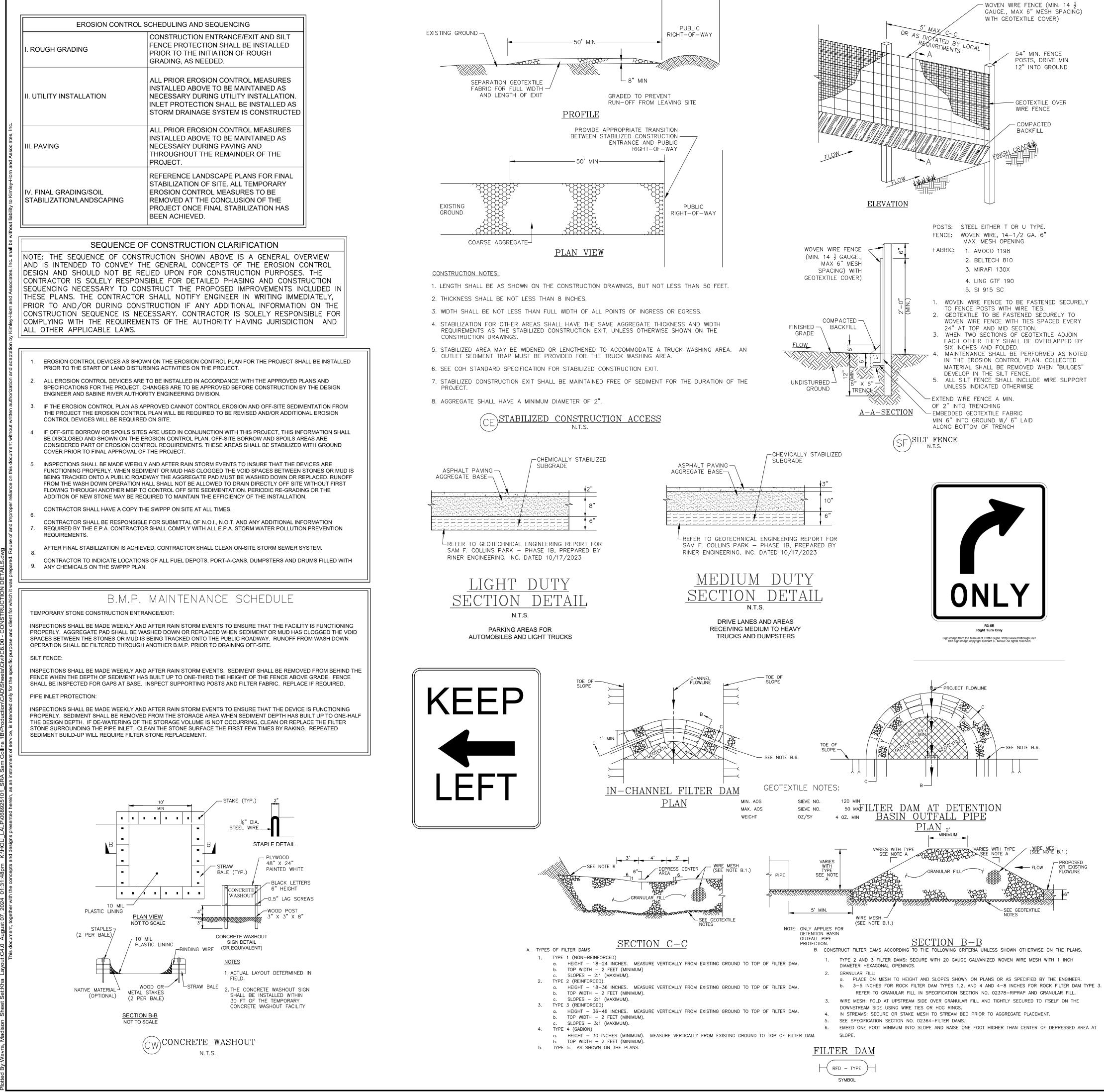
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KEY MAP NTS



sheet number





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CARSON[®] TrussT

COVER

Style:	Flush
Material:	HDPE
Model:	10" x 15"
Weight:	2 lbs
Std. Fasteners:	3/8" Hex Bolt
Options:	Logos and Special Markings
Surface:	Skid Resistant & Marked
Performance:	Pedestrian, ASTM C857, WUC 3.

Cover comes standard with permanent markings for manufacturer and model size.

BOD

Material:	HDPE
Model:	10" x 15"
Weight:	7" Depth: 4 lbs
	12" Depth: 7 lbs
Wall Type:	Flared
Mouseholes:	0/2/6
Performance:	Pedestrian, ASTM C857, WUC 3.

EXTENSION

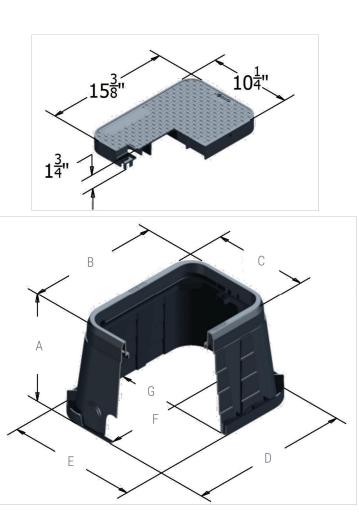
HDPE Material: Weight: 4 lbs

LOAD RATING / NOTES

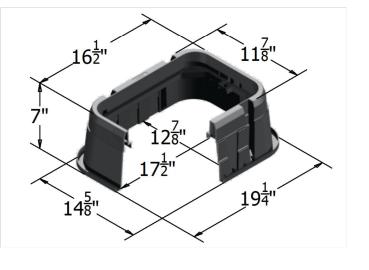
LIGHT DUTY PEDESTRIAN / GREENBELT

For use in non-vehicular traffic situations only. Weights and dimensions may vary slightly. Actual load rating is determined by the box and cover combination.

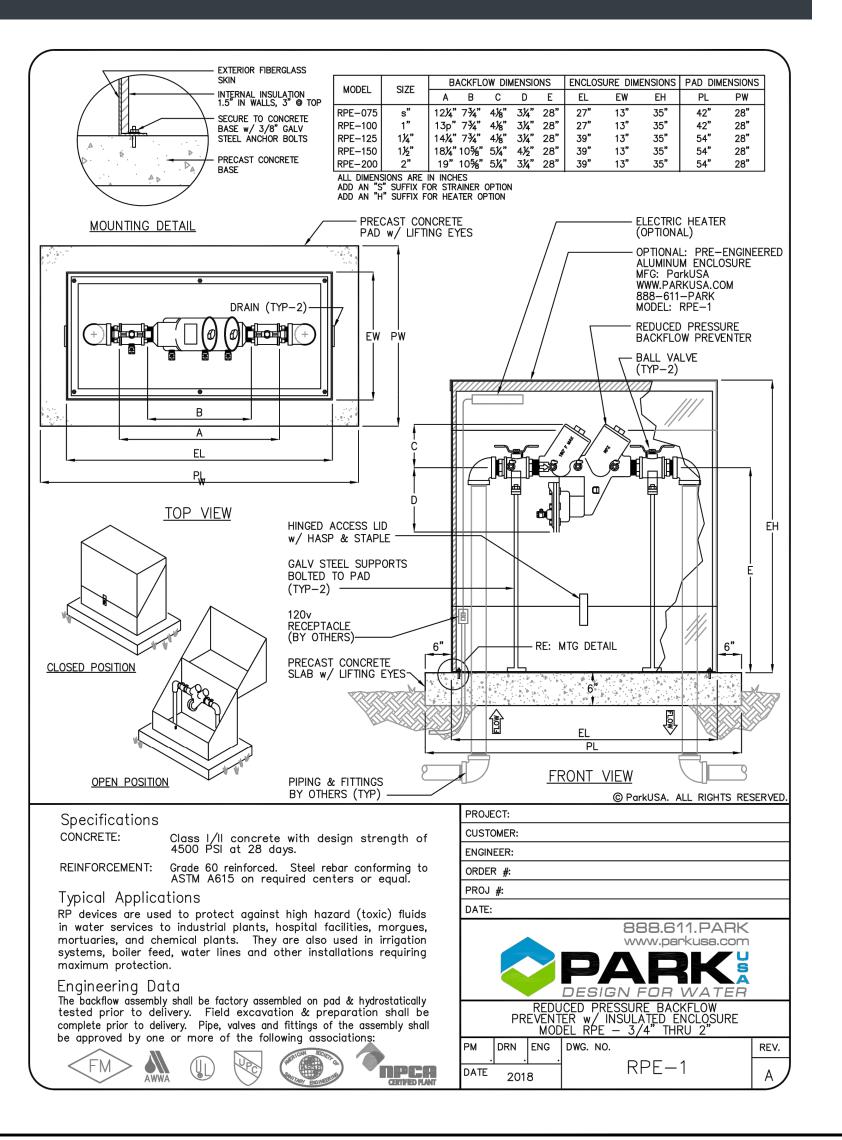
Oldcastle Infrastructure

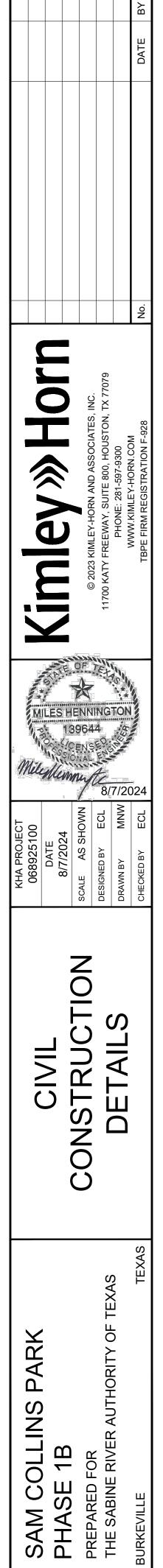


А	В	С	D	E	F	G
7"	16-1/2"	11-7/8"	19-1/4"	14-5/8"	17-1/2"	12-7/8"
12″	16-1/2"	11-7/8"	20″	16″	18-5/8"	14"



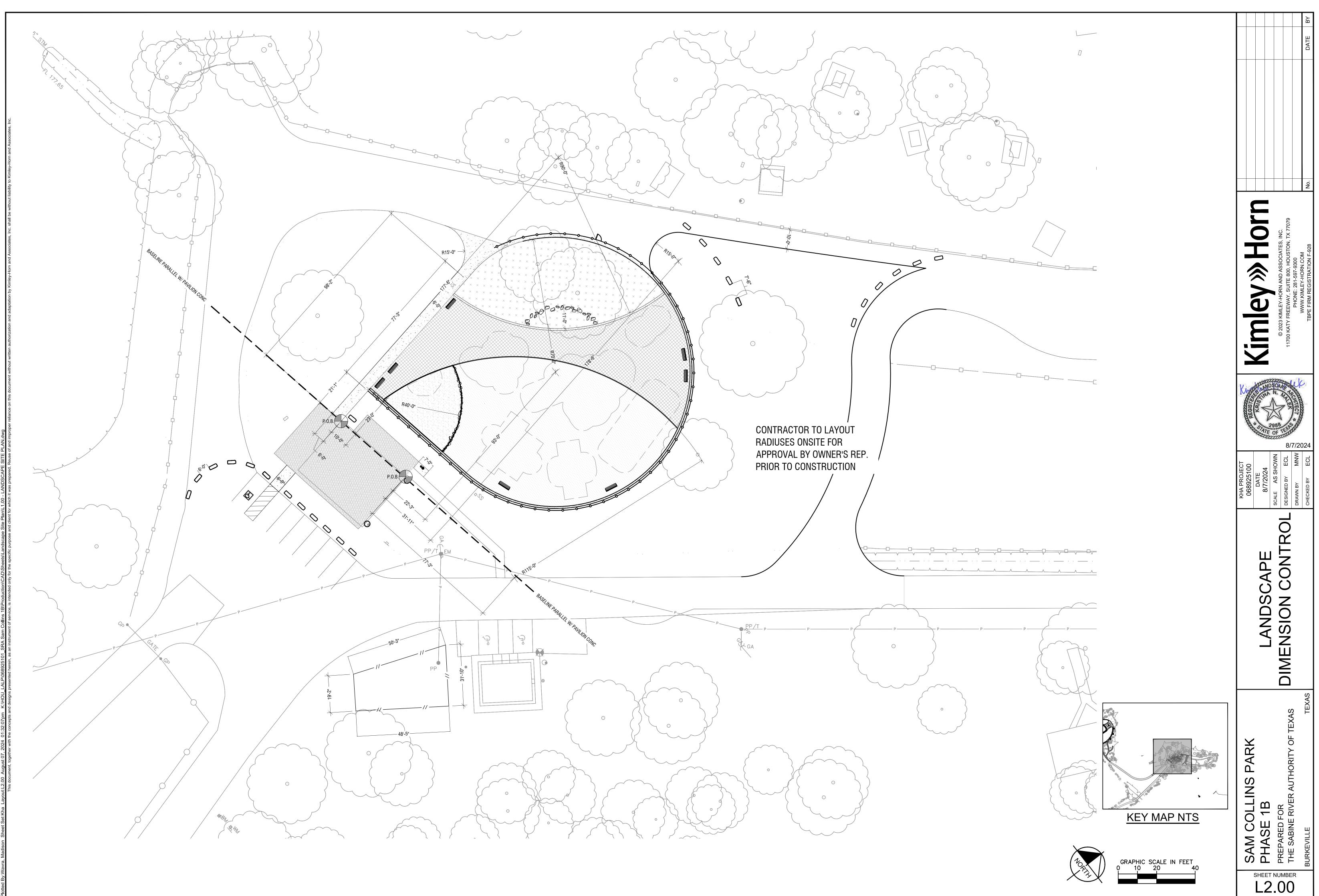
oldcastleinfrastructure.com (800) 735-5566

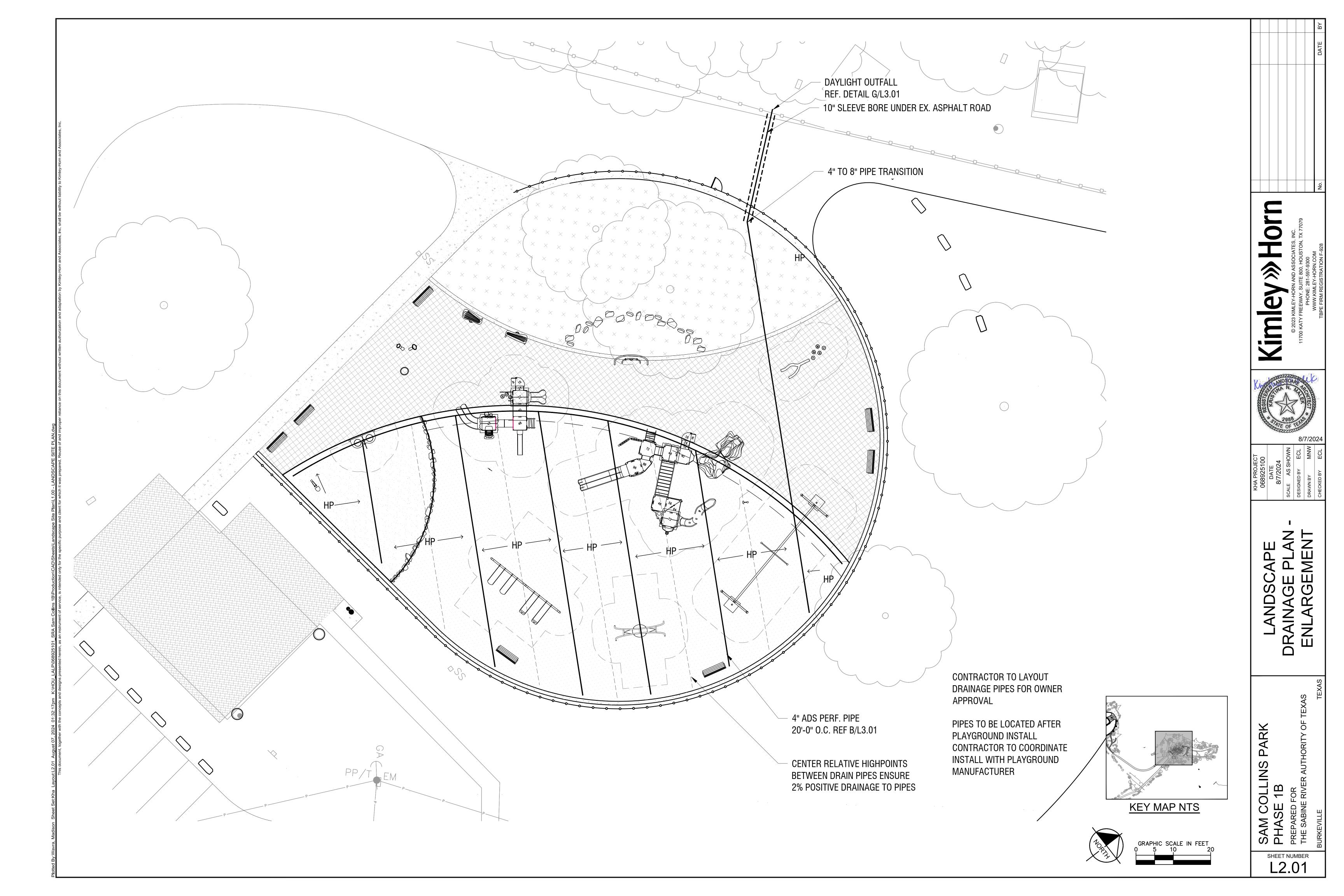


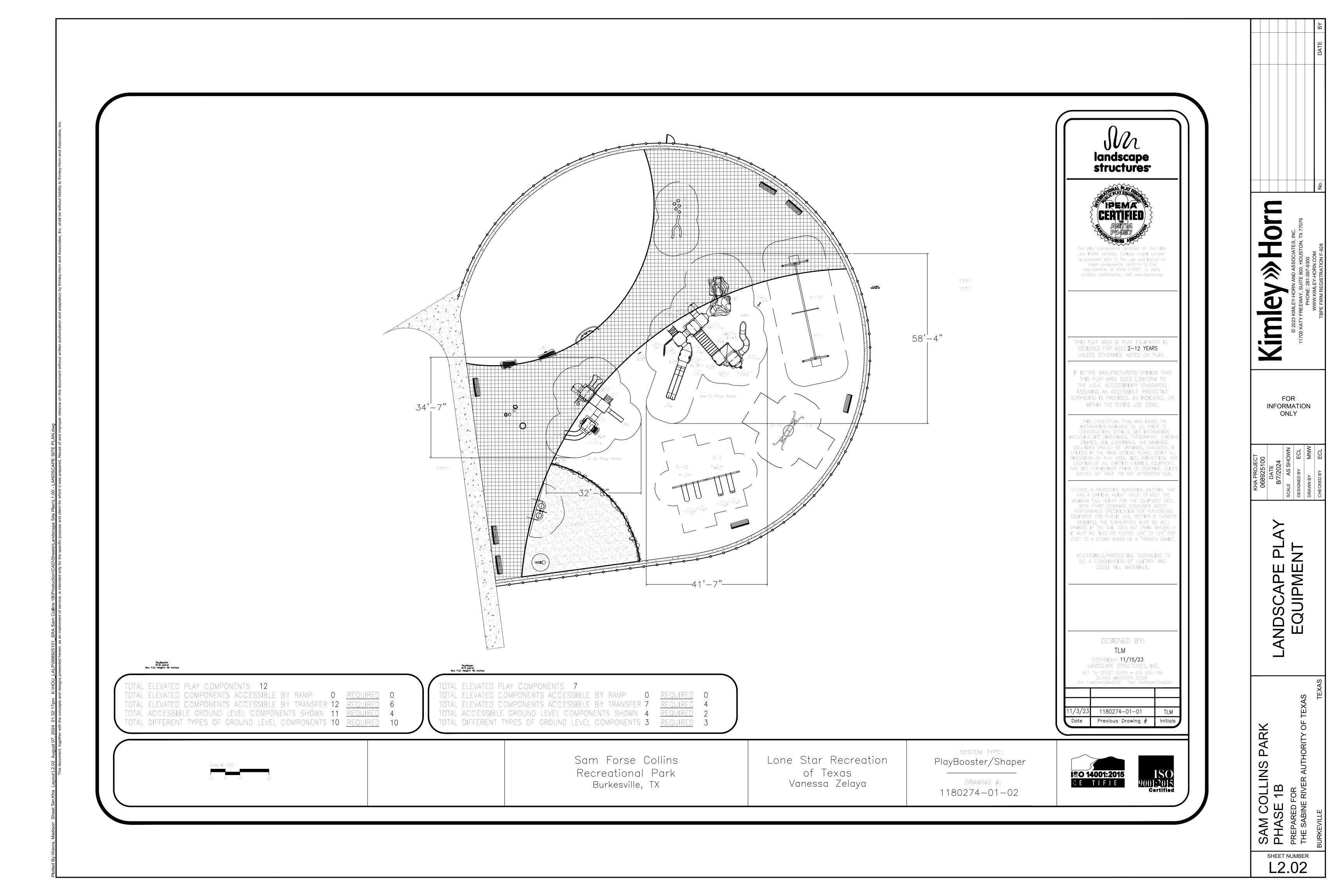


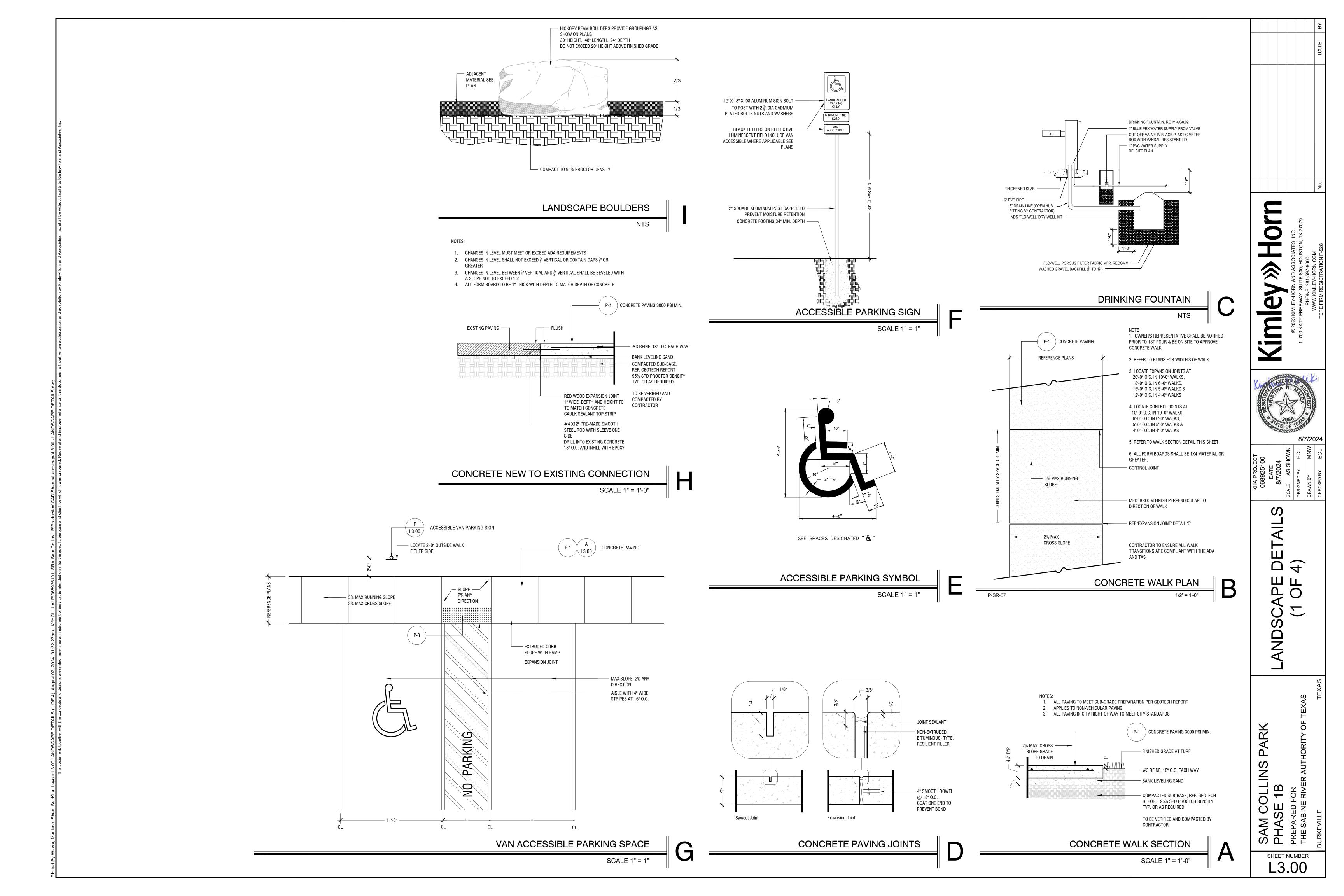
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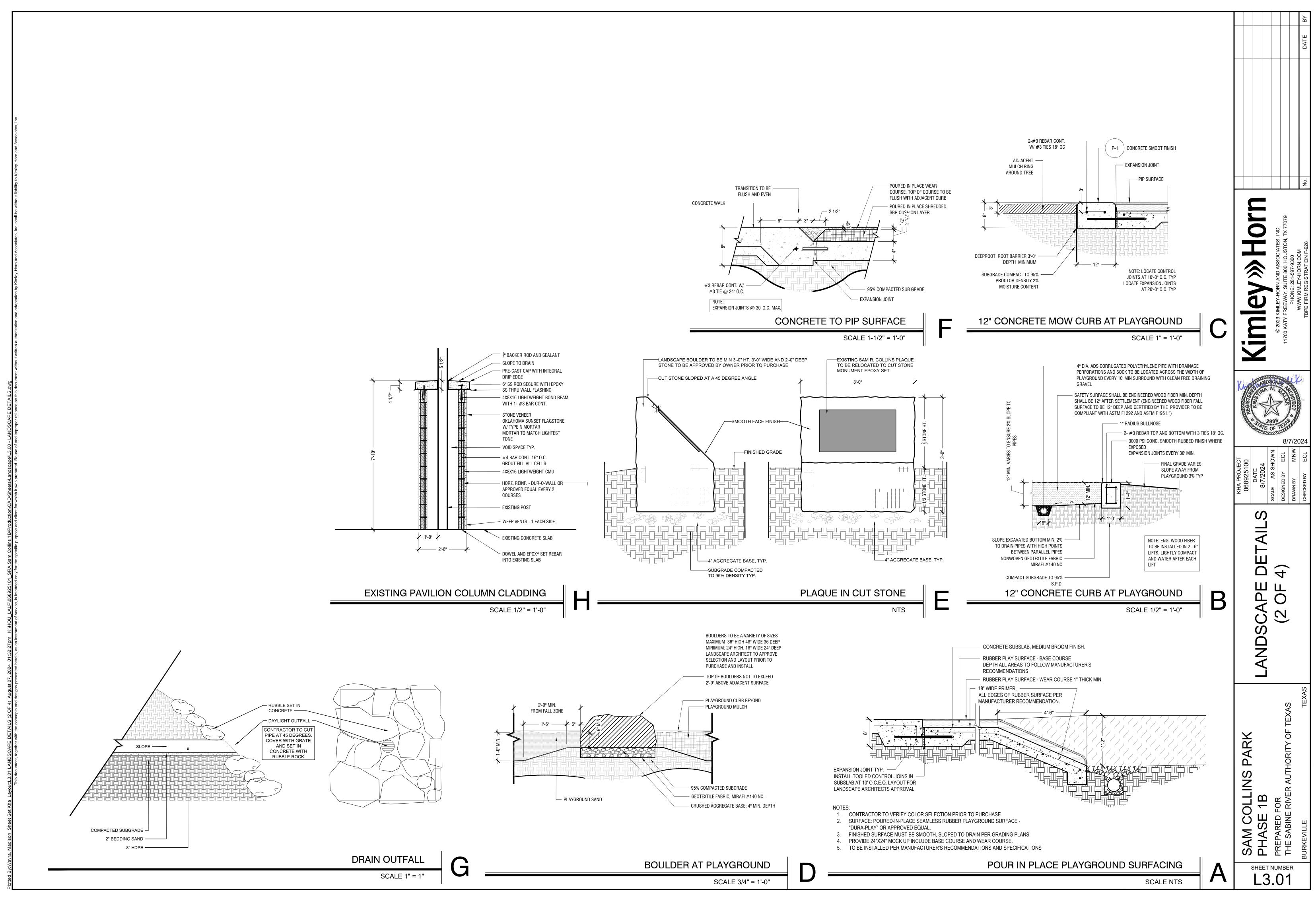
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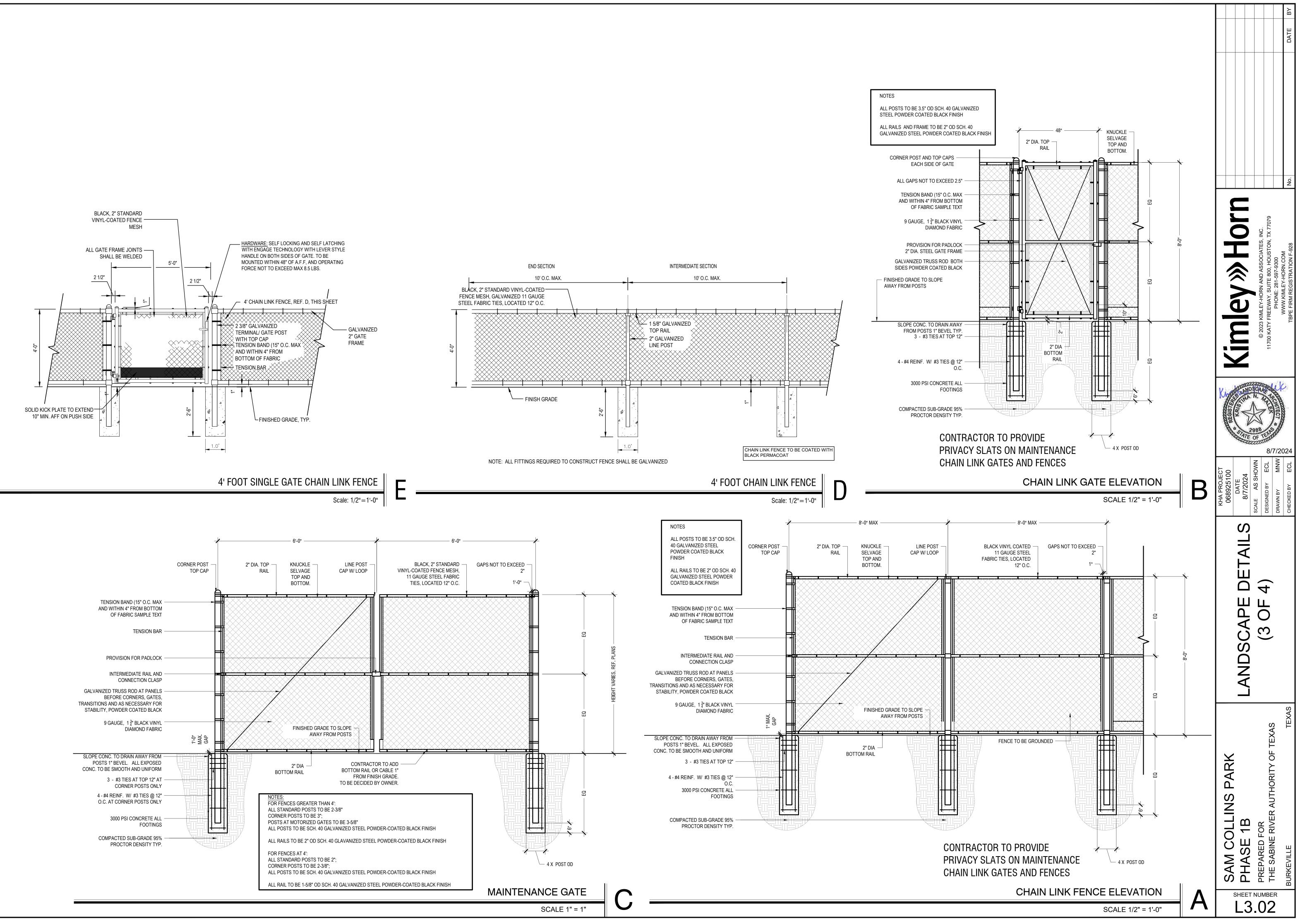


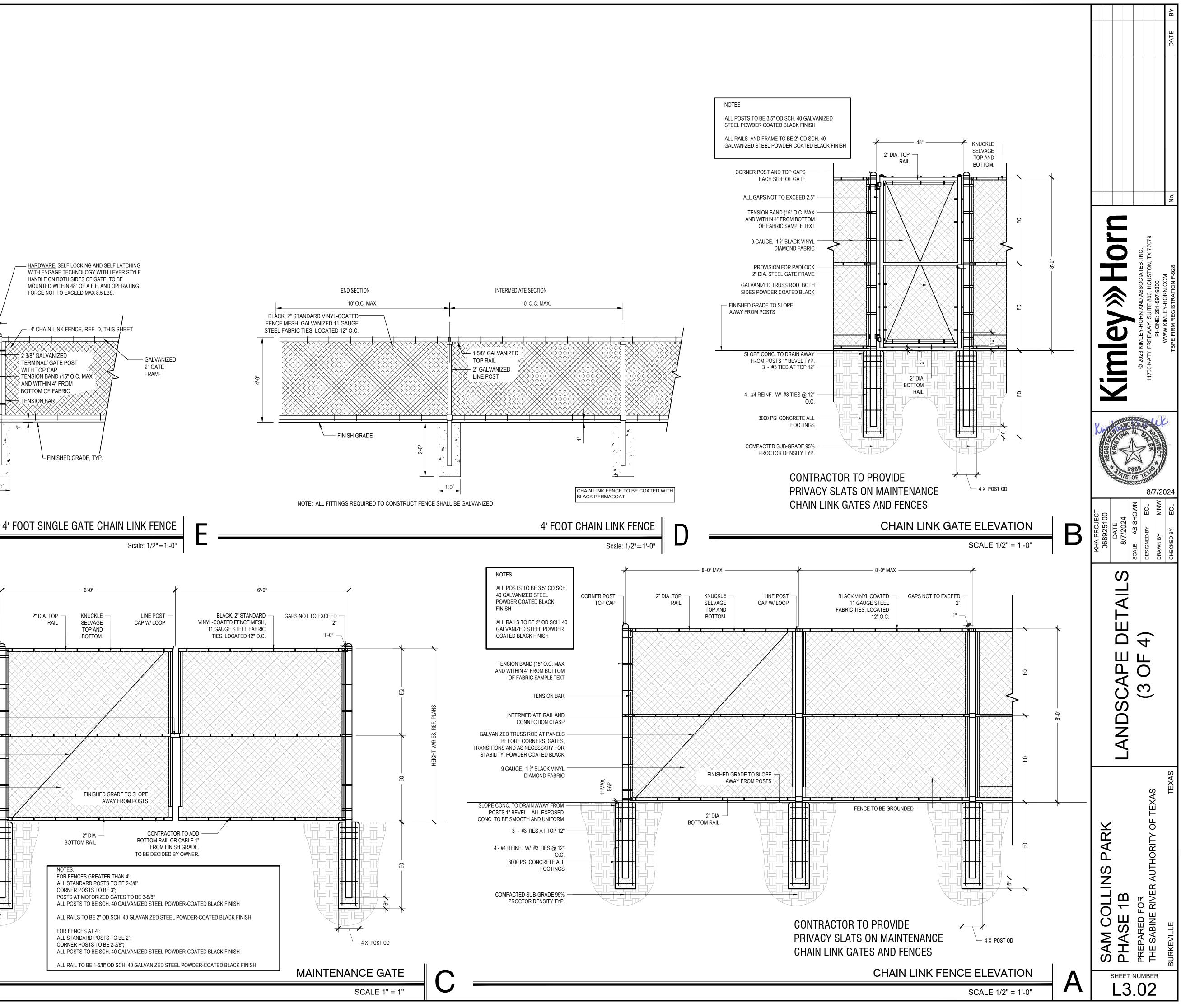


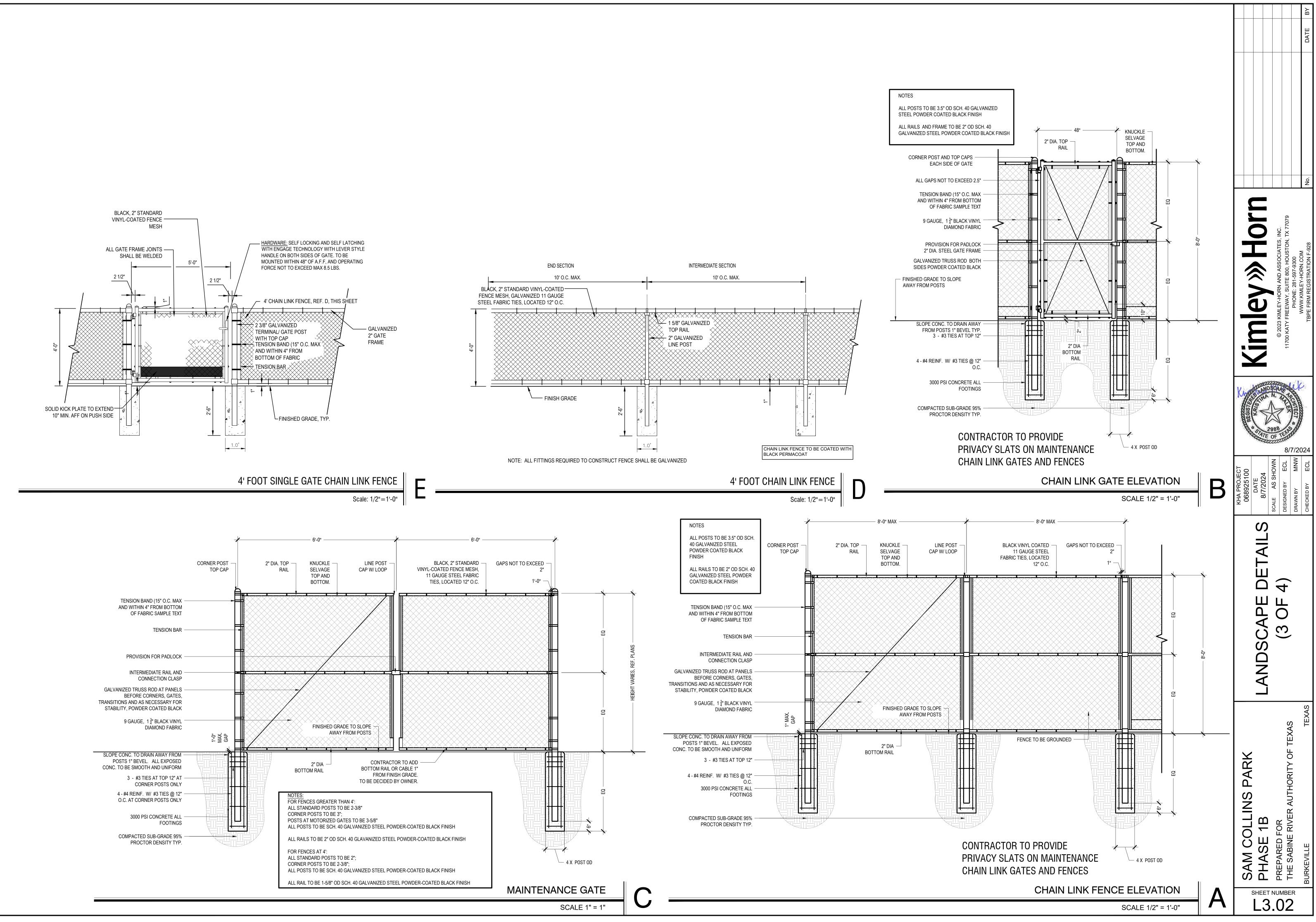


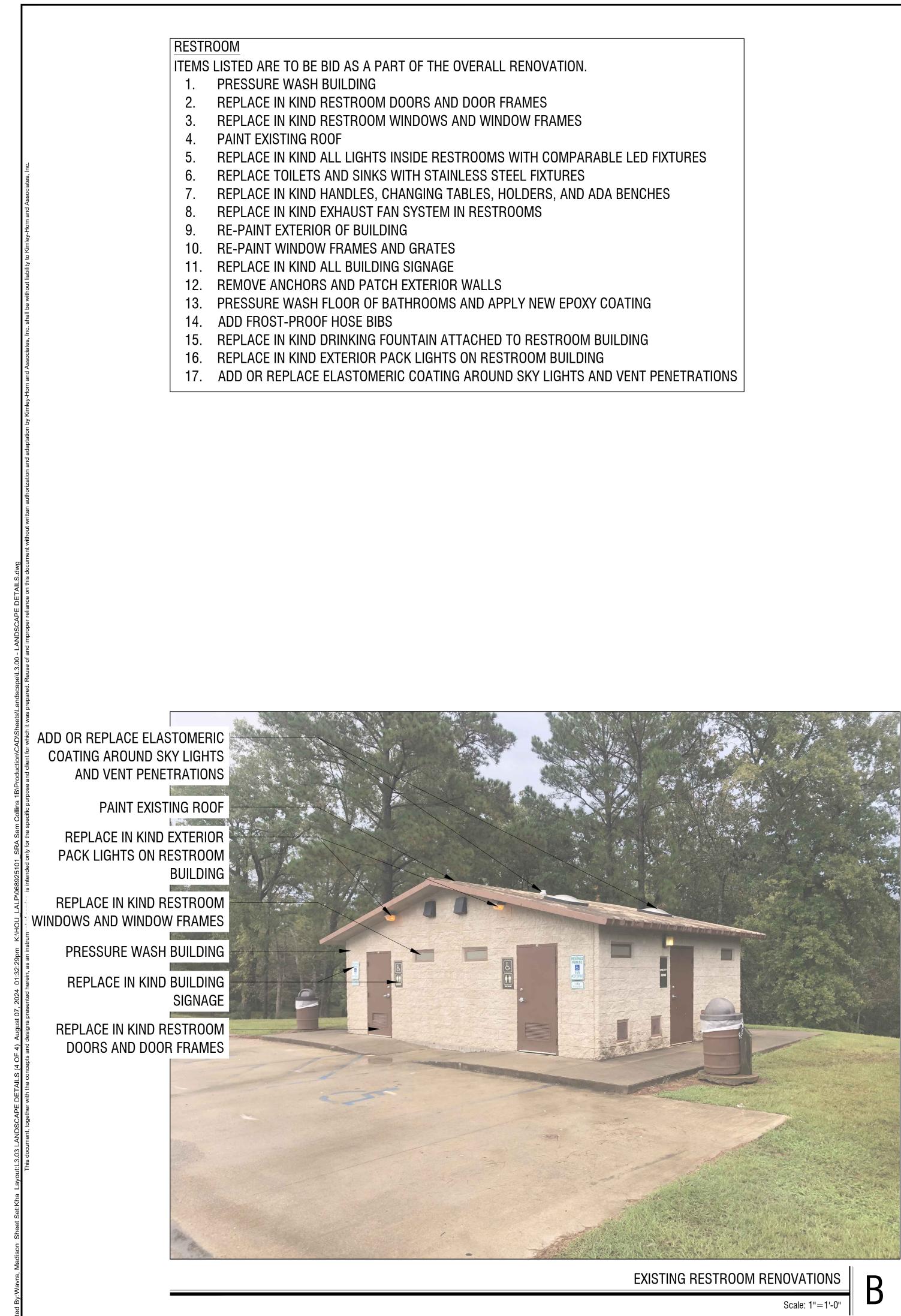








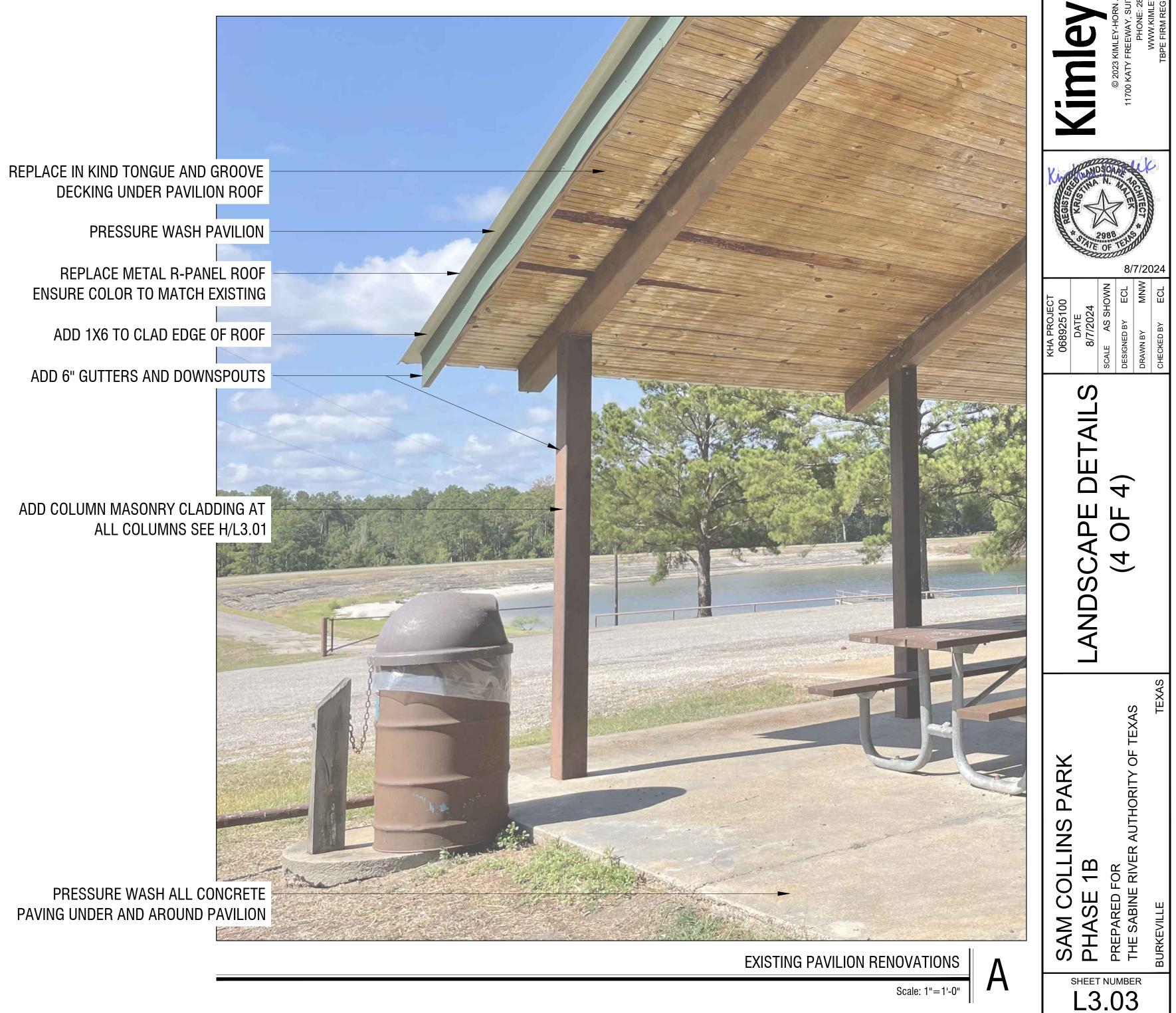




PAVILION:

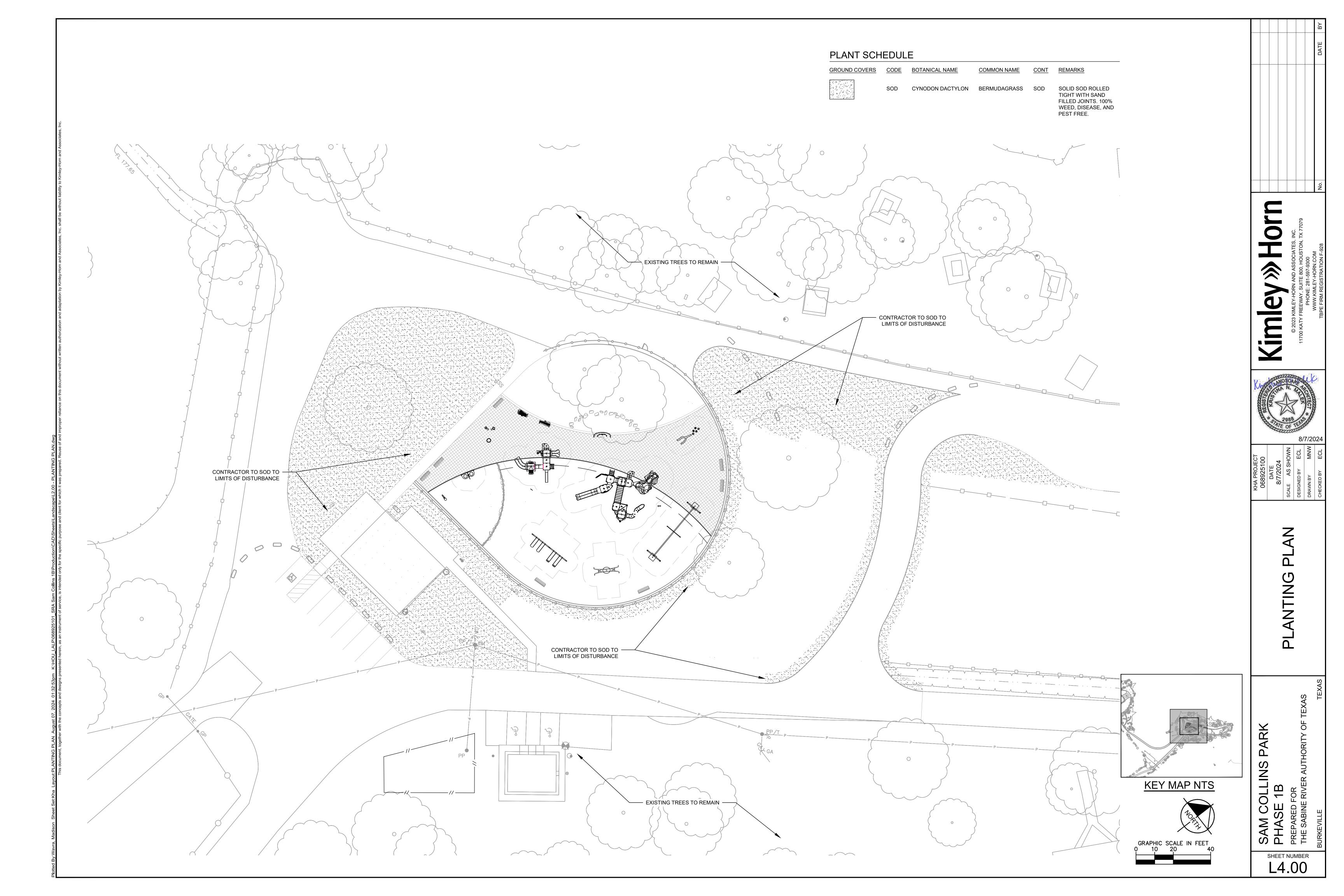
ITEMS LISTED ARE TO BE BID AS A PART OF THE OVERALL RENOVATION.

- 1. PRESSURE WASH PAVILION
- 2. PRESSURE WASH ALL CONCRETE PAVING UNDER AND AROUND PAVILION
- 3. ADD COLUMN MASONRY CLADDING AT ALL COLUMNS SEE H/L3.01
- 4. REPLACE METAL R-PANEL ROOF ENSURE COLOR TO MATCH EXISTING
- 5. ADD 6" GUTTERS AND DOWNSPOUTS
- 6. ADD 1X6 TO CLAD EDGE OF ROOF
- 7. REPLACE IN KIND TONGUE IN GROOVE DECKING UNDER PAVILION ROOF



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 A. SCOPE OF WORK 1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOL 	S	7. CONTRACTOR TO SUBM REPRESENTATIVE APPR
TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COM OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST	IPLETION	8. WHERE LIME STABILIZED
AS HEREIN SPECIFIED. 2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTIN UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.	IG AREAS	DEPTH OF 12", PLANT BE SHALL BE EXCAVATED T AND APPROVED PLANTII REPORT.
B. PROTECTION OF EXISTING STRUCTURES		. WATER
ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNE COST TO THE OWNER.	DAMAGE M	WATER NECESSARY FOR PL TO SUSTAIN AN ADEQUATE F MAN-MADE ELEMENTS DETR SHALL BE OBTAINED ON THE SHALL BE RESPONSIBLE TO
C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK		SPRINKLERS, ETC IF SUCH PROVIDE SATISFACTORY WA
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAM TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRI PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT W	IVING OR IS	THE OWNER. *WATERING/IRRIGATION RES AUTHORITY.
DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSI AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXE	HAPEN G E S AN	. FERTILIZER CONTRACTOR SHALL PROVII TO SOIL TYPE, PLANT INSTAI
AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND T (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER. D. MATERIALS	E TWELVE	TYPES SHALL BE ORGANIC C *FERTILIZER RESTRICTIONS
1. GENERAL	Н	. MULCH ALL PLANTING BED TO BE TO
MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE. MATERIAL SUBMITTAL		MULCH" BY SOIL BUILDING S RANGE OF 6.5-8.5 AND SHALI MATERIALS, PALLETS, GRAS
MULCH PRODUCT DATA TOPSOIL MIX AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS	I.	DIGGING AND HANDLING
PLANTSPHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NULFERTILIZERPRODUCT DATAINNOCULANTPRODUCT DATAHERBICIDEPRODUCT DATA	RSERY)	1. PROTECT ROOTS OR RC WATER AND FREEZING, ADEQUATELY PACKED T MORE THAN TEN (10) MIL
STAKING/GUYINGFOR ALTERNATE TO DETAILS: SEND PRODUCT DATA, DETAIL CLIENT-REQUESTED TAGGING MAY SUBSTITUTE PHOTOS.		DELIVERY TO SITE SHAL OR EQUAL) TO MINIMIZE
2. PLANT MATERIALS INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC.		2. BALLED AND BURLAPPE SOIL OF SUFFICIENT SIZ
A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRA NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDI NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS F NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE AMERICAN STANDARD	ITION. ALL FOR NURSERY	PLANTS. NO PLANTS MO CRACKED OR BROKEN. NOT BE HANDLED BY ST
STOCK. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHEI OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQ SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SH MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED	D, AND FREE QUATE ROOT IAPE. ALL	3. PLANTS MARKED "BR" IN WITH <u>AMERICAN STAND</u> EXERCISED THAT THE R PLANTING.
NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY O APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE	ONLY WITH S SHALL BE	4. PROTECTION OF PALMS FROM THE CROWN OF T TRUNK (CT) SHALL BE AS ALL PALMS SHALL BE BF
B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPRO BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION	IN THEIR E TERMINAL T MAY BE DVED, THE	5. EXCAVATION OF TREE P DAMAGE TO SURFACE A ELEMENTS, FOOTERS AI
OF THE PLANT.	J.	CONTAINER GROWN STOCK
C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT T OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNE QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK C	ER, FOR OF	1. ALL CONTAINER GROWN ESTABLISHED IN THE CO TOPS WHICH ARE OF GC
COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT D INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SI REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRAC LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.	ITE. NOTICE	2. AN ESTABLISHED CONTA CONTAINER AND GROWN ROOTS TO HAVE DEVELO TOGETHER WHEN REMO NOT BE HANDLED BY TH
E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)1. ALL PLANTING BED PIT BACKFILL AREAS TO BE PREPARED USING COMPOST, SHAR	۶P	3. PLANT ROOTS BOUND IN
SCREENED SAND AND EXPANDED SHALE BY SOIL BUILDING SOLUTIONS, LIVING EA APPROVED EQUAL. TILL SOIL AMENDMENTS INTO EXISTING SOIL TO DEPTHS PER PLANTING DETAILS (12" DEPTH MIN). FINISHED GRADES OF PLANTING BEDS TO BE BELOW FINISHED GRADE OF ADJACENT CONCRETE MOW STRIP OR AS SHOWN ON	ARTH, OR 1"	4. SUBSTITUTION OF NON-(SPECIFIED TO BE CONTA APPROVAL IS OBTAINED
GRADING PLAN. PLANTING BED PIT SOIL SHALL BE A MIXTURE OF APPROXIMATELY WEED-FREE EXISTING SOIL, 35% COMPOST, 10% EXPANDED SHALE, AND 5% SCREE	′ 50% ENED K	. COLLECTED STOCK
SHARP SAND. 98.5% OF THE PLANTING BED PIT SOIL PARTICLES WILL PASS THROU INCH SCREEN AND 99% OR MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. COLO BE A MEDIUM BROWN WITH A WEIGHT OF 1900-2250 LBS. PER CUBIC YARD (DEPENI THE MOISTURE CONTENT).	OR TO DING ON	WHEN THE USE OF COLLECT OWNER'S REPRESENTATIVE SPECIFIED FOR THE NEXT LA
2. ALL SOD AND SEED AREAS TO BE PREPARED USING COMPOST AND SHARP SCREE SAND, BY SOIL BUILDING SOLUTIONS, LIVING EARTH, OR APPROVED EQUAL. TILL SO AMENDMENTS INTO EXISTING SOIL TO DEPTHS PER PLANTING DETAILS (4" DEPTH I TOPSOIL SHALL BE A MIXTURE OF APPROXIMATELY 50% WEED-FREE EXISTING SOI	INED OIL MIN.).	NATIVE STOCK PLANTS COLLECTED FROM V WHEN THEY HAVE BEEN SUC UNDER REGULAR NURSERY
AVAILABLE), 40% COMPOST, AND 10% SHARP SCREENED SAND. IF THERE IS INSUFI EXISTING TOPSOIL, CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY IMPO TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, pH RANGE OF 6.0-6.5 WITH 25% (M ORGANIC MATERIAL, 50% (MIN) LOAM MATERIAL, AND FREE OF TRASH, DEBRIS, ST(FIČIENT PRT. 11N) M	SEASONS AND HAVE ATTAIN RECOVERY FROM TRANSPLA
WEEDS AND TWIGS/BRANCHES. THE PARTICLE SIZES SHALL BE SUCH THAT 98.5% (TOPSOIL WILL PASS THROUGH A 1/2 INCH SCREEN AND 99% OR MORE SHALL PASS THROUGH A 3/4 INCH SCREEN. IF EXISTING TOPSOIL IS TO BE UTILIZED ONSITE, TH TOPSOIL SHALL BE REVIEWED/APPROVED BY OWNER/LANDSCAPE ARCHITECT PRIC	OF THE S IE	QUANTITIES NECESSARY TO THE CONTRACTOR. QUANTIT ARCHITECT OR OWNER ASS DISCREPANCY OCCUR BETW
INSTALLATION. CONTRACTOR TO SUBMIT SAMPLES IN 1 GAL. (MIN) CONTAINER.		ARCHITECT SHALL BE NOTIF DIMENSIONS AND/OR SIZES
 THE CONTRACTOR SHALL REESTABLISH ANY ADDITIONAL DISTURBED AREAS NOT ON THE PLANS WITH A FULL COVERING OF SOD OR SEED. THE CONTRACTOR SHAL PROVIDE 4" DEPTH (MIN) PREPARED TOPSOIL IN ALL AREAS TO RECEIVE SEED OR NO ADDITIONAL COST. 	_L N	. FINE GRADING 1. FINE GRADING UNDER T LAWN AND PLANTING AF
4. TREE PLANTING PITS SHALL BE BACKFILLED WITH COMPOST BY SOIL BUILDING SOLUTIONS, LIVING EARTH OR APPROVED EQUAL AND NATIVE SOIL. THE TOP 1/3 O TREE PIT SHALL RECEIVE BACKFILL MATERIAL OF 80% WEED FREE NATIVE SOIL AN COMPOST. THE BOTTOM 2/3 OF EACH TREE PIT SHALL RECEIVE BACKFILL MATERIA	ND 20%	SHOWN ON THE DRAWIN OTHERWISE NOTED. 2. THE CONTRACTOR SHAL
 COMPOST. THE BOTTOM 2/3 OF EACH TREE PIT SHALL RECEIVE BACKFILL MATERIA 100% WEED FREE NATIVE SOIL. 5. EXISTING SOIL USED IN PLANT BACKFILL AND TOPSOIL PREP SHALL BE REASONAB OF STONES, LIME, LUMPS OF CLAY, ROOTS AND OTHER FOREIGN MATTER. EXISTING 	BLY FREE	ROUGH GRADE UP TO FI MULCH DEPTH. THIS CC EQUIPMENT NECESSAR TRANSPORTING SOIL WI
SHALL HAVE A MINIMUM ORGANIC COMPOSITION OF 25% AND THE ACIDITY SHALL EXISTING BETWEEN 5.0 AND 7.0 pH. CONTRACTOR SHALL SUBMIT A 1 GAL. MINIMUM SAMPLE EXISTING SOIL TO AN APPROVED TESTING FACILITY TO VERIFY COMPOSITION, ACII AND ORGANIC CONTENT.	BE OF THE	 ALL PLANTING AREAS SI SURFACE/SUBSURFACE SLOPE AWAY FROM THE GRADES.
 IF SOIL FAILS TO ACHIEVE THE AFOREMENTIONED pH AND ORGANIC COMPOSITION QUANTITIES, THE CONTRACTOR SHALL TILL AN ADEQUATE AMOUNT OF COMPOST THE EXISTING SOIL UNTIL IT MEETS THE REQUIREMENTS PRIOR TO COMBINING WI OTHER SPECIFIED SOIL AMENDMENTS. 	IN TO	

AIT SAMPLES OF SOIL MIXTURE AND AMENDMENTS FOR OWNER'S ROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

ED SOIL IS ENCOUNTERED, LAWN AREAS SHALL BE EXCAVATED TO A EDS SHALL BE EXCAVATED TO A DEPTH OF 24", AND TREE PITS TO A DEPTH OF 36", AND BACKFILLED WITH CLEAN NATIVE SOIL (E.5) ING SOIL (E.1-4), UNLESS OTHERWISE SPECIFIED IN GEOTECH

ANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR RIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD E SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, H WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL ATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO

STRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL

IDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE ALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER OR OTHERWISE NATURALLY-DERIVED.

MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

OP DRESSED WITH A MINIMUM OF 3" "RUSTIC CUT HARDWOOD SOLUTIONS OR LIVING EARTH (OR APPROVED EQUAL) WITH A pH LL BE FREE OF MAN-MADE FOREIGN MATTER, LUMBER, TREATED SS AND LEAVES. NO PARTICLE SIZE SHOULD EXCEED 3.5" IN LENGTH.

OOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, , AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED ILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF LL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" E TRANSPIRATIONAL WATER LOSS.

ED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF ZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE OVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL TEMS.

N THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING ARD FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO

S (IF APPLICABLE): ONLY A MIN. OF FRONDS SHALL BE REMOVED THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR AS SPECIFIED AFTER THE MIN. OF FRONDS HAVE BEEN REMOVED. RACED PER PALM PLANTING DETAIL.

PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID AND SUBSURFACE ELEMENTS SUCH AS UTILITIES, HARDSCAPE IND PREPARED SUB BASES.

N MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE OOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.

AINER GROWN PLANT SHALL BE TRANSPLANTED INTO A IN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS OPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD OVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL HEIR STEMS.

I CONTAINERS ARE NOT ACCEPTABLE.

-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY AINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN D FROM THE OWNER OR OWNER'S REPRESENTATIVE.

TED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR E, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT ARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN CCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING NED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL ANTING INTO THE NURSERY ROW.

COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY ITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE SUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A WEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE FIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL S SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF REAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS NGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS

ALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR ONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL BY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR /ITHIN THE SITE.

HALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO E STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL E BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL O. PLANTING PROCEDURES

- 1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.
- 3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED ROCK AND ROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF ROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
- 4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY/GROWING SITE.
- 5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
- 6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
- 7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN.
- 8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
- 9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.
- 10. TREES SHALL BE SET WITH ROOT BALL CENTERED IN PLANTING PIT WITH ROOT FLARE 2" ABOVE ADJACENT SOIL ELEVATION. SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE TOP OF ROOT BALL SHALL BE EVEN WITH TOP OF PLANTING BED. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
- 11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL FOR SOILNOC SRT ADVANCED MYCORRHIZAL INOCULUM (OR EQUAL) PRIOR TO INOCULATION.
- 12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
- 13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.
- 14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 12", REMOVE AND DISPOSE ALL DEBRIS AND MIX TO ACHIEVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
- 15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
- 16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.
- 17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING/ SEEDING

- 1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
- 2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, DEBRIS, HAVE SOIL PREPARED PER SECTION E, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
- 3. SOIL PREPARATION: ALL SOIL TO BE PREPARED PER SECTION E.

