GENERAL CONSTRUCTION NOTES

GENERAL

1.4.

ALL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS ISSUED BY THE ENGINEER AND ACCOMPANYING THESE DRAWINGS.

- CONTRACTOR SHALL CONTACT THE ENGINEER AS SOON AS POSSIBLE SHOULD ANY CIRCUMSTANCES FOUND DURING THE COURSE OF PROJECT COMPLETION NECESSITATE A VARIANCE FROM THE PLANS. VARIANCE FROM THE PLANS WILL BE REVIEWED BY THE ENGINEER AND THE OWNER.
- CONSTRUCTION TRAFFIC CONTROL SHALL BE PROVIDED AS NECESSARY AT ANY POINTS OF ENTRANCE OR EXIT ONTO PAVED STREETS. NO CLOSURE OF PUBLIC OR PRIVATE ROADWAYS SHALL BE ALLOWED WITHOUT PRIOR WRITTEN CONSENT OF THE CITY OF OKLAHOMA CITY OR THE OWNER, RESPECTIVELY. COST OF TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL AND INCLUDED IN THE BID PRICE OF OTHER ITEMS OF WORK.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RETAIN A COPY OF THIS DOCUMENT AND BECOME FAMILIAR WITH THE INFORMATION PRESENTED THEREIN.
- ALL PARKING SPACE DELINEATION SHALL BE COMPLETED PER CITY OF OKLAHOMA CITY DEPARTMENT OF PUBLIC 1.5. WORKS REQUIREMENTS, HANDICAP SYMBOLS SHALL BE PROVIDED OVER A FIELD OF BLUE WITH A 4-IN SOLID WHITE BORDER. SIZES OF HANDICAP SYMBOLS SHALL BE AS SPECIFIED BY THE MUTCD.
- UNLESS OTHERWISE SPECIFIED, ALL OTHER SYMBOLS, DIRECTIONAL ARROWS, WORDS, NUMBERS, AND CROSS 1.6. WALKS SHALL BE PROVIDED AS SOLID WHITE. SEE THE LATEST EDITION OF THE MUTCD FOR ADDITIONAL INFORMATION AND DETAILS.
- CURBS IMMEDIATELY ADJACENT TO ANY PROPOSED FIRE LANES, HYDRANTS, OR OTHER RELATED FEATURES 17 SHALL BE PAINTED RED PER SECTION 32 1723 OF THE PROJECT SPECIFICATIONS . CONTRACTOR TO PROVIDE 'NO PARKING - FIRE LANE' IN WHITE LETTERS OR 50-FT CENTERS.
- SLEEVES FOR FUTURE INSTALLATION OF IRRIGATION HAVE BEEN DOCUMENTED ON THE CONSTRUCTION DRAWINGS, CONTRACTOR TO PROVIDE 24-IN NO. 4 BARS AT EITHER END OF EACH SLEEVE INSTALLATION OF FUTURE LOCATION BY THE IRRIGATION CONTRACTOR. TOP OF BAR TO BE 6-IN BELOW FINISHED GRADE. SLEEVES TO BE INSTALLED WITH WATER-TIGHT CAP AT EITHER END.

2. STORMWATER/EROSION CONTROL

- PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL VERIFY THAT A NOTICE OF INTENT (NOI) HAS BEEN FILED WITH THE ENVIRONMENTAL PROTECTION AGENCY (EPA). IN THE EVENT THAT AN NOI IS NOT CURRENTLY ON FILE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING SAID DOCUMENT IN CONFORMANCE WITH EPA REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE GUIDELINES SET FORTH IN THE PERMITS ARE IN PLACE PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ALL FEES ASSOCIATED WITH STORM WATER PERMITS.
- THE NOTICE OF INTENT (NOI) AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS ANY 2.2. OTHER APPLICABLE DOCUMENTS SHALL BE KEPT ON SITE BY THE CONSTRUCTION SUPERINTENDENT AT ALL TIMES. SAID ITEMS SHALL BE MADE AVAILABLE TO STATE AND MUNICIPAL AUTHORITIES UPON REQUEST.
- ANY DISCHARGES FROM THE SITE SHALL CONFORM TO THE SWPPP. THE CONTRACTOR SHALL INSTALL 2.3. ADDITIONAL STORMWATER CONTROL DEVICES AS NECESSARY TO ENSURE COMPLIANCE WITH SAID DOCUMENT.
- CONSTRUCTION OF ALL EROSION CONTROL MEASURES SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO 2.4. THE INITIATION OF ANY LAND DISTURBING ACTIVITIES. INSPECTION OF THESE STRUCTURES MAY BE PERFORMED BY EPA, ODEQ, AND/OR THE CITY OF TAHLEQUAH STORM WATER QUALITY DEPARTMENT. MAINTENANCE OF EROSION CONTROL MEASURES SHALL BE PERFORMED BY THE CONTRACTOR AS INDICATED IN THE SWPPP OR AT A SUFFICIENT INTERVAL TO ENSURE RETENTION OF SEDIMENTS.
- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED BY THE CONTRACTOR AT ANY POINTS OF 2.5. ENTRANCE OR EXIT ONTO ADJACENT PAVED STREETS. WASHDOWN OF VEHICLES SHALL BE PERFORMED AS NECESSARY TO REDUCE/ELIMINATE SIGNIFICANT DEPOSITS OF SOIL ON ROADWAY. REMOVAL OF SOIL FROM STREET SHALL BE PERFORMED BY THE CONTRACTOR AS REQUESTED BY THE AHJ.
- DISTURBED PORTIONS OF THE SITE, INCLUDING STOCKPILES, WHERE CONSTRUCTION ACTIVITY TEMPORARILY 2.6. CEASES FOR AT LEAST 21-DAYS. SHALL BE TEMPORARY STABILIZED NO LATER THAN 14-DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. TEMPORARY STABILIZATION SHALL BE COMPLETED PER THE SWPPP.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED NO LATER THAN 14-DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. PERMANENT STABILIZATION SHALL BE COMPLETED PER THE SWPPP.
- 28 IN THE EVENT THAT CONSTRUCTION SEQUENCING OR WEATHER MAKE STABILIZATION OF DISTURBED AREAS WITHIN THE REQUIRED TIME IMPRACTICAL, THE CONTRACTOR SHALL STABILIZE THE SOILS WITH STRAW OR FIBER MULCH. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF MULCH AND ESTABLISHMENT OF PERMANENT VEGETATION ONCE WEATHER AND/OR SEQUENCING PERMITS. SEE SWPPP FOR ADDITIONAL INFORMATION.

3. EXISTING UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES WHICH MAY BE IMPACTED BY THE WORK OF THE APPROVED PLANS. THE CONTRACTOR SHALL COMPLETE THE SCOPE OF WORK IN SUCH A MANNER AS TO PRECLUDE DAMAGE TO EXISTING UTILITIES AND/OR STRUCTURES. DAMAGE TO FACILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE FACILITY OWNER.
- EXISTING UTILITIES SHOWN ON THE APPROVED PLANS IN THE APPROXIMATE LOCATION WHERE EVIDENCE OF 3.2. THEIR LOCATION WAS AVAILABLE EITHER BY FIELD OBSERVATION OR FROM INFORMATION PROVIDED BY THE OWNER, AND/OR UTILITY COMPANY. NEITHER THE OWNER, THE UTILITY OWNER, NOR THE ENGINEER ACCEPT RESPONSIBILITY FOR DAMAGE DONE BY THE CONTRACTOR TO EXISTING FACILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES DURING CONSTRUCTION.
 - CONTRACTOR SHALL VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES, SPECIFICALLY AT CRITICAL TIE-IN POINTS, PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES, VERIFICATION OF SIZE AND CONSTRUCTION MATERIAL (I.E., PVC, DIP, RCP, ETC.) SHALL BE PERFORMED DURING THESE ACTIVITIES.

GEOTECHNICAL

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- ALL EARTHWORK AND SUBGRADE PREPARATION SHALL BE COMPLETED PER THE JANUARY 17, 2018 REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL EVALUATION PREPARED BY BUILDING & EARTH (BUILDING & EARTH PROJECT NO. OK170293) AND SECTION 31 2000 OF THE PROJECT SPECIFICATIONS. CONFLICTS BETWEEN THE TWO DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO THE SUBMISSION OF BID. REQUIREMENTS WHICH SPECIFICALLY IMPACT THE SCOPE OF WORK INCLUDE, BUT ARE NOT LIMITED TO:
- TOPSOIL THICKNESS IN BORINGS RANGED FROM 2 TO 30-IN. TOPSOIL THICKNESS LIKELY VARIES IN 4.1.1. UNEXPLORED LOCATIONS. THESE SOILS ARE ANTICIPATED TO LOSE STABILITY WITH SLIGHT INCREASE IN SOIL MOISTURE CONTENT AND WILL NOT PROVIDE A WORKABLE PLATFORM.
- 4.1.2. RESIDUAL CLAY SOILS WERE ENCOUNTERED BELOW THE TOPSOIL IN ALL BORINGS AND EXTENDED TO DEPTHS OF 1 TO 10-FT. CLAY SOILS VARY FROM NEAR-SURFACE, LOW TO MODERATE PLASTICITY RESIDUAL CLAY SOILS, TO MODERATE TO HIGH-PLASTICITY SOILS. SEE SECTION 3.3.2 OF THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- A LIMESTONE UNIT WAS ENCOUNTERED BELOW RESIDUAL CLAY SOILS IN ALL BORINGS AT DEPTH OF 1 4.1.3. TO 9.8-FEET. THIS LIMESTONE UNIT EXTENDED TO THE AUGER REFUSAL DEPTH OF 2 TO 10.5-FEET BELOW THE EXISTING GROUND SURFACE. AUGER REFUSAL DEPTH ARE REPORTED IN SECTION 3.3.4 OF THE GEOTECHNICAL REPORT.
- GROUNDWATER SEEPAGE WAS ENCOUNTERED IN PORTIONS OF THE BORINGS AT DEPTHS OF 8 TO 9-FT 4.1.4. BELOW EXISTING GRADE. FREE WATER WAS MEASURED AT 4 TO 6-FT, 24-HOURS AFTER COMPLETION OF DRILLING OPERATIONS.
- HIGH SOIL MOISTURE CONTENTS WERE OBSERVED AT THE TOPSOIL/RESIDUAL CLAY INTERFACE AS 4.1.5. WELL AS AT THE RESIDUAL CLAY/LIMESTONE INTERFACE. BASED ON THIS, THE GEOTECHNICAL ENGINEER HAS IDENTIFIED A HIGH PROBABILITY FOR THE DEVELOPMENT OF PERCHED WATER.

FINITIAL SITE PREPARATION

4.1.6.

4.1.6.1.

4.1.6.2.

4.1.6.3.

4.1.7.

4.1.8.

ALL TREES, VEGETATION, ROOTS, TOPSOIL, AND ANY OTHER DELETERIOUS MATERIALS, SHALL BE REMOVED FROM THE PROPOSED CONSTRUCTION AREA. GRUBBING OF ALL TREES SHOULD INCLUDE REMOVAL OF THE TREE STUMPS AND THE ROOT SYSTEMS PER THE REQUIREMENTS OF THE GEOTECHNICAL REPORT.

6.10.

- MATERIALS DISTURBED DURING CLEARING OPERATIONS SHOULD BE UNDERCUT TO UNDISTURBED MATERIALS AND BACKFILLED WITH PROPERLY COMPACTED, APPROVED STRUCTURAL FILL.
- DURING SITE PREPARATION ACTIVITIES, THE CONTRACTOR SHALL IDENTIFY BORROW SOURCE MATERIALS THAT WILL BE USED AS STRUCTURAL FILL AND PROVIDE SAMPLES TO THE GEOTECHNICAL TESTING AGENCY TO CONFIRM THE PROPOSED MATERIAL MEETS OR EXCEED THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR STRUCTURAL FILL.
- SWALE AREA: AS NOTED IN THE GEOTECHNICAL REPORT, SOFT TO MEDIUM STIFF SOILS WITH RELATIVELY HIGH MOISTURE CONTENTS WERE IDENTIFIED THROUGHOUT THE SWALE WHICH BISECTS THE PROPERTY. HIGH MOISTURE CONTENTS WERE NOTED TO DEPTH OF APPROXIMATELY 6-FT. SOFT. WET, AND UNSTABLE SOIL CONDITIONS SHOULD BE ANTICIPATED WITHIN AND ADJACENT TO THE SWALE ALIGNMENT. SEE SECTION 4.2 OF THE GEOTECHNICAL REPORT FOR ADDITIONAL DETAIL AND INFORMATION.

MOISTURE SENSITIVE SOILS:

4.1.8.1	I. THE SITE WILL BE PRONE TO DEVELOPMENT OF NEAR-SURFACE PERCHI NEAR-SURFACE SOILS WILL DEGRADE IF ALLOWED TO BECOME SATURA IS ADVISED TO NOT ALLOW WATER TO POND BY MAINTAINING POSITIVE PROVIDING TEMPORARY DEWATERING METHODS.
4.1.8.2	2. THE CONTRACTOR SHOULD ANTICIPATE SOME DIFFICULTY DURING THE THIS PROJECT DURING CONSTRUCTION. INCREASED MOISTURE LEVELS THE SUBGRADE. THE SOILS ARE UNSTABLE AND SHOULD BE EXPECTED UNDER THE INFLUENCE OF CONSTRUCTION TRAFFIC.
4.1.9.	FULL DEPTH REMOVAL OF TOPSOIL: THE TOPSOIL THICKNESS ACROSS THE SITE FROM 2 TO 30-IN, WITH THE THICKNESS RANGING FROM 12 TO 24-IN ACROSS THE TOPSOIL ENCOUNTERED ACROSS THE BUILDING AND PAVEMENT AREAS SHALL E DEPTH. THE GEOTECHNICAL TESTING AGENCY SHALL OBSERVE STRIPPING AND TO EVALUATE THAT ALL UNSUITABLE MATERIALS ARE REMOVED FROM THE PRO AREA.
4.1.10.	BUILDING PAD PREPARATION
4.1.10	.1. IN ORDER TO REDUCE PVR TO 1-IN OR LESS, THE BUILDING SLAB SHALL LEAST 36-IN OF PROPERLY COMPACTED AND APPROVED LOWER PLASTI ALL UNDERCUTTING WITHIN THE BUILDING AREA SHOULD EXTEND AT LE PERIMETER OF THE PROPOSED BUILDING.
4.1.10	.2. FOLLOWING THE RECOMMENDED AMOUNT OF UNDERCUTTING AND PRIC FILL, THE CONDITION OF THE EXPOSED SUBGRADE SHALL BE EVALUATE GEOTECHNICAL TESTING AGENCY. EVALUATION SHALL INCLUDE PROOF EXPOSED SUBGRADE WITH A LOADED TANDEM-AXLE TRUCK.
4.1.10	.3. PREPARATION OF STABLE SUBGRADE AREAS: FOLLOWING COMPLETION PROOF-ROLL, THE EXPOSED SUBGRADE SOILS SHALL BE SCARIFIED TO MOISTURE CONDITIONED TO BETWEEN -1% TO +3% OF OPTIMUM MOISTU RECOMPACTED TO AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DF
4.1.10	.4. PREPARATION OF UNSTABLE SUBGRADE AREAS: ANY SOFT/UNSTABLE A DURING PROOF-ROLLING SHALL BE UNDERCUT TO FULL-DEPTH TO ESTA SUBGRADE. THE GEOTECHNICAL ENGINEER HAS IDENTIFIED LOWE CON ELEVATED MOISTURE CONTENTS EXTENDING AS MUCH AS 6-FT BELOW
4.1.10	.5. IN LIEU OF FULL-DEPTH REMOVAL, IN PLACE STABILIZATION METHODS M OF SURGE STONE INTO THE UNSTABLE SOILS, OR USING A COMPOSITE AND CRUSHED AGGREGATE TO ESTABLISH A STABLE PLATFORM TO STA THE GEOTECHNICAL ENGINEER SHALL BE ADVISED FOR FURTHER, DETA RECOMMENDATIONS DURING CONSTRUCTION.
4.1.11.	PROOF-ROLLING ACTIVITIES SHALL BE COMPLETED BY THE CONTRACTOR AS RE SECTION 4.5 OF THE GEOTECHNICAL REPORT.
4.1.12.	PAVEMENT SUBGRADES SHALL BE SUPPORTED ON 12-IN OF LOW-PLASTICITY ST OF CHEMICALLY STABILIZED HIGH-PLASTICITY SOILS PER THE RECOMMENDATIO
4.4.40	
4.1.13. 4.1.14.	REQUIREMENTS FOR FILL MATERIAL SHALL BE PER SECTION 4.7 OF THE GEOTEC HARD ROCK EXCAVATION TECHNIQUES SHOULD BE ANTICIPATED WITHIN THE UN UNIT. THE DEPTH OF THIS UNIT VARIES FROM 2-FT TO 10-FT ACROSS THE SITE. S THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
4.1.15.	UTILITY TRENCH BACKFILL: ALL UTILITY TRENCHES SHALL BE BACKFILLED AND C REQUIREMENTS OF SECTION 4.7 OF THE GEOTECHNICAL RPOERT. LIFT THICKNES TO BE REDUCED TO 4 TO 6-IN IN ORDER TO ACHIEVE REQUIRED COMPACTION US EQUIPMENT.
4.2.	GROUNDWATER HAS BEEN ENCOUNTERED ON THE SITE AT DEPTHS OF 4 TO 9-FT. CONTR RESPONSIBLE FOR DEWATERING OF EXCAVATION AS NECESSARY TO COMPLETE THE INE WORK. COST OF DEWATERING ACTIVITIES SHALL BE CONSIDERED INCIDENTAL AND INCLI BID. SEE SECTION 31 2319 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREM
4.3.	UNSATISFACTORY OR UNUSABLE SOIL MATERIAL GENERATED DURING EARTHWORK OPE BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE PRIOD AND ACCEPTANCE BY THE OWNER.
4.4.	ROCK AND OTHER UNFORESEEN OBSTRUCTIONS ENCOUNTERED DURING THE COMPLETI SHALL BE REMOVED BY THE CONTRACTOR AT NO COST TO THE OWNER.
4.5.	THE CONTRACTOR SHALL SPRINKLE DISTURBED AREAS AS NECESSARY TO REDUCE/ELIN
	OF DUST DURING GRADING ACTIVITIES. THE COST OF SPRINKLING SHALL BE CONSIDERE INCLUDED IN THE SUBMITTED BID.
4.6.	SHORING, BRACING, TERRACING/BENCHING, AND OTHER MEASURES ASSOCIATED WITH F WORKERS IN AN AROUND EXCAVATIONS SHALL BE PERFORMED AS NECESSARY TO MEE' OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) REQUIREMENTS AND REGUL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL NECESSARY MEASURES ARE 31 5000 OF THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. <u>ST</u>	ORM SEWER / DRAINAGE
5.5.	CONTRACTOR SHALL VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING SPECIFICALLY AT CRITICAL TIE-IN POINTS, PRIOR TO INITIATION OF CONSTRUCTION ACTIV SIZE AND CONSTRUCTION MATERIAL (I.E., PVC, DIP, RCP, ETC.) SHALL BE PERFORMED DU ACTIVITIES.
5.6.	CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF SILT FROM ALL DRAINAGE STR CHANNELS, FLUMES, AND PAVED AREAS PRIOR TO FINAL PROJECT INSPECTION AND ACC OWNER.
5.7.	UNTIL SUCH TIME THAT PROPOSED STORM SEWER IS FUNCTIONAL, CONTRACTOR SHALL PROVIDING DRAINAGE PATH @ ALL POINTS OF STORMWATER ENTRANCE ONTO PROPER SHALL BE ROUTED ACROSS OWNER'S PROPERTY AS NECESSARY TO PROTECT EXISTING PROJECT IMPROVEMENTS AND SHALL BE ROUTED TO PRE-CONSTRUCTION POINTS OF R
5.8.	STORM SEWER CONSTRUCTED WITHIN 5-FT OF EXISTING OR PROPOSED PAVING SHALL E CONCRETE PIPE WITH WATER-TIGHT O-RING JOINTS OR SMOOTH INTERIOR DUAL WALL H WATER-TIGHT JOINTS. EACH JOINT SHALL BE WRAPPED WITH A 24-IN WIDE STRIP OF NON CENTERED ON THE JOINT. CONTRACTOR SHALL PROVIDE 24-IN MINIMUM OVERLAP ALONG OF THE PIPE.
6. <u>S</u> A	NITARY SEWER
6.1.	ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST VERS ADMINISTRATIVE CODE TITLE 252, CHAPTER 656. IT SHALL BE THE RESPONSIBILITY OF TH SECURE A COPY OF THE STATE REGULATIONS FOR REFERENCE.
6.2.	PUBLIC SANITARY SEWER IMPROVEMENTS SHALL BE CONSTRUCTED PER THE CITY OF TA SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS. PRIVATE IMPROVEME CONSTRUCTED PER SECTION 22 1313 OF THE PROJECT SPECIFICATIONS AND THE REQUI INTERNATIONAL PLUMBING CODE (VERSION AS ADOPTED BY THE CITY OF TAHLEQUAH). O RESPONSIBLE FOR SECURING AND REVIEWING ALL REFERENCED DOCUMENTS AND DETE APPLICABILITY TO THE INDICATED SCOPE OF WORK.
6.3.	A CONSTRUCTION PERMIT FROM THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QU PRIOR TO EXTENSION OF ANY PUBLIC SANITARY SEWER LINES. IT SHALL BE THE RESPON CONTRACTOR TO CONFIRM THAT THIS PERMIT HAS BEEN ACQUIRED PRIOR TO CONSTRU COSTS AND/OR DELAYS RESULTING FROM CONSTRUCTION OF THE SANITARY SEWER LIN ACQUISITION OF THE PERMIT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6.4.	A WORK ORDER FROM THE CITY OF TAHLEQUAH DEPARTMENT OF UTILITIES SHALL BE RE EXTENSION OF ANY PUBLIC SANITARY SEWER LINES. IF PUBLIC SANITARY SEWER LINE IM INCLUDED WITHIN THE SCOPE OF WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONT THIS WORK ORDER. ADDITIONAL COSTS AND/OR DELAYS RESULTING FROM CONSTRUCTI LINES PRIOR TO ACQUISITION OF THE WORK ORDER SHALL BE THE RESPONSIBILITY OF T
6.5.	LEAKAGE AND DEFLECTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECT PROJECT SPECIFICATIONS. LEAKAGE ALONG ANY NEWLY INSTALLED SANITARY SEWER L 50 GALLONS PER INCH DIAMETER PER MILE PER DAY. DOCUMENTATION OF TESTING, PRO RESULTS SHALL BE PROVIDED TO THE ENGINEER WITHIN 24 HOURS OF COMPLETION OF
6.6.	IN ACCORDANCE WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODE SHALL UTILIZE BEDDING MATERIAL IN ACCORDANCE WITH OAC 252:655-9-2(G)(3).
6.7.	COVER ABOVE TOP OF PIPE SHALL BE MAINTAINED AS SPECIFIED ON THE PLANS. IN NO S COVER FROM TOP OF PIPE BE LESS THAN 30-INCHES.
6.8.	IN THE EVENT THAT MINIMUM SEPARATION BETWEEN THE SANITARY SEWER LINES AND A LINES (24-INCHES VERTICALLY, 10-FEET HORIZONTALLY) CANNOT BE MET, THE SPECIAL F 252:655-9-1(H) SHALL BE MET BY THE CONTRACTOR.
6.9.	ALL PVC SANITARY SEWER LINES SHALL HAVE A MINIMUM STIFFNESS OF 46-PSI IN ACCOP 252:655-9-1(B).

252:655-9-1(B). ALL MANHOLES SHALL HAVE A MINIMUM DIAMETER OF 48-INCHES. MANHOLES LESS THAN 4.5-FEET DEEP SHALL BE FULL DIAMETER FROM TOP TO BOTTOM. MANHOLE BASES SHALL BE A MINIMUM OF 8-INCHES THICK AND

SHALL EXTEND AT LEAST 4-INCHES BEYOND THE MANHOLE WALL.

HED WATER. ATED. THE CONTRACTOR	6.11.	ALL CONCRETE USED IN MANHOLE CONSTRUCTION SHALL HAVE A COMPRESSIVE STRENGTH GREATER THAN OR EQUAL TO 3,500-PSI. PRECAST REINFORCED CONCRETE MANHOLES SHALL CONFORM TO ASTM C-478.
E DRAINAGE AND	6.12.	INLET AND OUTLET LINES SHALL BE JOINED TO THE MANHOLE VIA A WATER-TIGHT CONNECTION WHICH ALLOWS FOR DIFFERENTIAL SETTLEMENT BETWEEN THE PIPE AND MANHOLE TO TAKE PLACE IN ACCORDANCE WITH OAC 252-655-9-4(E).
S WILL FURTHER SOFTEN D TO RUT AND PUMP E GENERALLY VARIES E MAJORITY OF THE SITE. BE REMOVED TO FULL D GRUBBING OPERATIONS	6.13.	CONTRACTOR SHALL PROVIDE FIELD NOTES AND AS-BUILT SURVEYS TO ENGINEER UPON COMPLETION OF SANITARY SEWER CONSTRUCTION. BOTH DIGITAL AND HARD COPIES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO ACCEPTANCE OF THE IMPROVEMENTS BY THE OWNER. AS-BUILT INFORMATION SHALL INCLUDE LOCATIONS AND ELEVATIONS OF ALL FITTINGS AS INSTALLED. A COMPLETE AND ACCURATE LIST OF QUANTITIES SHALL BE INCLUDED WITH, OR SHOWN ON, THE PLAN SHEETS. QUANTITES SHALL INCLUDE BEDDING AND PIPE, ALONG WITH FITTINGS AND INCIDENTAL ITEMS. SUBMITTED SURVEYS SHALL BE SIGNED AND SEALED BY A LICENSED LAND SURVEYOR AND SHALL BE PREPARED UTILIZING THE IDENTICAL VERTICAL AND
DPOSED CONSTRUCTION	6.14.	HORIZONTAL DATUM INDICATED ON THE APPROVED PLANS. COST OF AS-BUILT SURVEYS SHALL BE CONSIDERED AN INCIDENTAL ITEM AND SHALL BE INCLUDED IN THE BID PRICE OF OTHER ITEMS OF WORK. ADDITIONAL REQUIREMENTS FROM THE TAHLEQUAH PUBLIC WORKS AUTHORITY SHALL BE AS FOLLOWS:
. BE SUPPORTED ON AT ICITY STRUCTURAL FILL. EAST 5-FT BEYOND THE	6.14.1. 6.14.2. 6.14.3. 6.14.4.	ALL PVC SANITARY SEWER LINES SHALL HAVE A MAXIMUM SDR OF 35. BEDDING MATERIAL SHALL BE 3/4-IN WASHED ROCK. BEDDING MATERIAL TO BE PROVIDED 6-IN BELOW PIPE AND 12-IN ABOVE PIPE. ALL MANHOLES SHALL HAVE A MINIMUM DIAMETER OF 4-FT. ALL PUBLIC MANHOLES SHALL BE PROVIDED WITH STANDARD TAHLEQUAH MANHOLES LIDS AND RINGS.
IOR TO PLACEMENT OF ED BY THE F-ROLLING OF THE	6.14.5. 7. W	FLAT-TOP MANHOLES SHALL BE PROHIBITED.
	7.1.	ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF OKLAHOMA
N OF A SUCCESSFUL) A DEPTH OF 12-IN, TURE CONTENT, AND IRY DENSITY.		ADMINISTRATIVE CODE TITLE 252, CHAPTER 626. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE A COPY OF THE STATE REGULATIONS FOR REFERENCE.
AREAS IDENTIFIED ABLISH A STABLE INSISTENCY SOILS WITH EXISTING GRADES.	7.2.	PUBLIC WATER LINE IMPROVEMENTS SHALL BE CONSTRUCTED PER THE CITY OF TAHLEQUAH STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS. PRIVATE IMPROVEMENTS SHALL BE CONSTRUCTED PER SECTION 22 1113 OF THE PROJECT SPECIFICATIONS AND THE REQUIREMENTS OF THE INTERNATIONAL PLUMBING CODE (VERSION AS ADOPTED BY THE CITY OF TAHLEQUAH). CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND REVIEWING ALL REFERENCED DOCUMENTS AND DETERMINING APPLICABILITY TO THE INDICATED SCOPE OF WORK.
May include tracking System of Geogrid Art fill placement. Ailed	7.3.	A CONSTRUCTION PERMIT FROM THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY SHALL BE REQUIRED PRIOR TO EXTENSION OF ANY PUBLIC WATER LINES. IF PUBLIC WATER LINE IMPROVEMENTS ARE INCLUDED WITHIN THE SCOPE OF WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THAT THIS PERMIT HAS BEEN ACQUIRED PRIOR TO THE START OF CONSTRUCTION. ADDITIONAL COSTS AND/OR DELAYS RESULTING FROM CONSTRUCTION OF ANY WATER LINES PRIOR TO ACQUISITION OF THE PERMIT SHALL
TRUCTURAL FILL OR 8-IN	7.3.	BE THE RESPONSIBILITY OF THE CONTRACTOR. A WORK ORDER FROM THE CITY OF TAHLEQUAH DEPARTMENT OF UTILITIES SHALL BE REQUIRED PRIOR TO
DNS OF THE CHNICAL REPORT. NDERLYING LIMESTONE		EXTENSION OF ANY PUBLIC WATER LINES. IF PUBLIC WATER LINE IMPROVEMENTS ARE INCLUDED WITHIN THE SCOPE OF WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE THIS WORK ORDER. ADDITIONAL COSTS AND/OR DELAYS RESULTING FROM CONSTRUCTION OF ANY WATER LINES PRIOR TO ACQUISITION OF THE WORK ORDER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
SEE SECTION 4.8.1 OF	7.4.	CONTRACTOR SHALL COMPLETE PROPOSED TAPS IN ACCORDANCE WITH CITY OF TAHLEQUAH POLICIES AND PROCEDURES. TAPPING ACTIVITIES SHALL BE COORDINATED THROUGH THE UTILITIES DIVISION OF THE CITY OF
COMPACTED PER THE ESS MAY BE REQUIRED ISING HAND-OPERATED	7.5.	TAHLEQUAH. A MINIMUM HORIZONTAL SEPARATION OF 10-FEET SHALL BE MAINTAINED BETWEEN ANY POTABLE AND NON-POTABLE WATER LINE EXTENSIONS AND ANY ADJACENT SANITARY SEWER LINES. IN THE EVENT THAT THIS SEPARATION IS NOT POSSIBLE, THE WATER LINE SHALL BE CONSTRUCTED IN A SEPARATE TRENCH AND THE
RACTOR SHALL BE IDICATED SCOPE OF LUDED IN THE SUBMITTED	7.6.	SEPARATION IS NOT POSSIBLE, THE WATER LINE SHALL BE CONSTRUCTED IN A SEPARATE TRENCH AND THE SEWER LINE SHALL BE DESIGNED, CONSTRUCTED, AND TESTED AS A WATER LINE PIPE IN ACCORDANCE WITH OAC 252:655-9-1(H). ALL HIGH POINTS IN PROPOSED WATER LINES ARE SHOWN ON PLANS. CONTRACTOR SHALL MAINTAIN POSITIVE
MENTS. ERATIONS SHALL		PIPELINE SLOPE TOWARD DESIGNATED HIGH POINTS AND SHALL NOT CREATE ADDITIONAL HIGH POINTS IN THE PIPE ALIGNMENT.
or to final inspection	7.7.	INSTALLATION OF EACH FIRE HYDRANT SHALL BE COMPLETED SO AS TO ACHIEVE THE STEAMER NOZZLE ELEVATION SPECIFIED ON THE PLANS. COMPLETED HYDRANT INSTALLATIONS WHICH DO NOT MEET THE SPECIFIED ELEVATION SHALL BE ADJUSTED ACCORDINGLY. COST OF RAISING OR LOWERING RECENTLY INSTALLED HYDRANTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
MINATE THE CREATION ED INCIDENTAL AND	7.8.	ALL WASTE MATERIAL (INCLUDING WATER GENERATED DURING FLUSHING PROCEDURES) SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. SALVAGEABLE MATERIALS AND EQUIPMENT SHALL BE RETURNED TO OWNER UNLESS DE LIGE FOR THE DROUGH
PROTECTION OF ET ALL APPLICABLE LATIONS. THE	7.9.	RE-USED FOR THIS PROJECT. ADDITIONAL SERVICES FOR LANDSCAPE IRRIGATION SHALL BE PROVIDED AS INDICATED BY THE LANDSCAPE ARCHITECT. LOCATIONS AND SIZES OF ADDITIONAL IRRIGATION SERVICES SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.
E IN PLACE. SEE SECTION	7.10.	COVER ABOVE THE TOP OF PRIVATE WATER LINES SHALL BE MAINTAINED AS SPECIFIED ON THE PLANS. IN NO SITUATION SHALL THE COVER FROM TOP OF PIPE BE LESS THAN 30-INCHES.
	7.11.	PRESSURE AND LEAKAGE TESTING FOR PRIVATE WATER LINES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 22 1113 OF THE PROJECT SPECIFICATIONS AND PER STANDARD C-601 OF THE AMERICAN WATER WORKS ASSOCIATION (AWWA). DOCUMENTATION OF TESTING, PROCEDURES AND RESULTS SHALL BE PROVIDED
G UTILITIES, IVITIES. VERIFICATION OF URING THESE	7.12.	TO THE ENGINEER WITHIN 24 HOURS OF COMPLETION OF THE TEST(S). DISINFECTION PROCEDURES FOR PRIVATE WATER LINES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 22 1113 OF THE PROJECT SPECIFICATIONS AND PER STANDARD C-651 OF THE AMERICAN WATER WORKS ASSOCIATION (AWWA). DOCUMENTATION OF TESTING, PROCEDURES AND RESULTS SHALL BE PROVIDED TO THE
RUCTURES, CONCRETE CEPTANCE BY THE	7.13.	REACTION BLOCKING FOR PRIVATE WATER LINES SHALL BE PROVIDED AT ALL BENDS, TEES, AND HYDRANTS
L BE RESPONSIBLE FOR RTY. STORMWATER 3 FEATURES AS WELL AS	7.14.	AND SHALL BE INSTALLED PER SECTION 22 1113 OF THE PROJECT SPECIFICATIONS. GATE VALVES INSTALLED ON PRIVATE WATER LINES SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C509 AND SHALL HAVE MECHANICAL JOINT ENDS. MECHANICAL JOINTS AND JOINT ACCESSORIES SHALL MEET THE DEDUCTION OF ANDIANA ANA JOINT AND ADDIA JOINTS AND JOINT ACCESSORIES SHALL MEET THE
RUN-OFF. BE REINFORCED HDPE WITH	7.15.	REQUIREMENTS OF ANSI/AWWA A21.1/C111. ALL BOLTS, INCLUDING THOSE IN VALVE BODY SHALL BE STAINLESS STEEL. CONTRACTOR SHALL PROVIDE FIELD NOTES AND AS-BUILT SURVEYS TO ENGINEER UPON COMPLETION OF
N-WOVEN FILTER FABRIC, IG THE CIRCUMFERENCE		WATER LINE CONSTRUCTION. BOTH DIGITAL AND HARD COPIES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO ACCEPTANCE OF THE IMPROVEMENTS BY THE OWNER. AS-BUILT INFORMATION SHALL INCLUDE LOCATIONS AND ELEVATIONS OF ALL FITTINGS AND VALVING AS INSTALLED. A COMPLETE AND ACCURATE LIST OF QUANTITIES SHALL BE INCLUDED WITH, OR SHOWN ON, THE PLAN SETS. QUANTITIES SHALL INCLUDE BEDDING AND PIPE, ALONG WITH FITTINGS, VALVES AND INCIDENTAL ITEMS. SUBMITTED SURVEYS SHALL BE SIGNED AND SEALED BY A LICENSED LAND SURVEYOR AND SHALL BE PREPARED UTILIZING THE IDENTICAL VERTICAL AND HORIZONTAL DATUM INDICATED ON THE APPROVED PLANS.
SION OF OKLAHOMA THE CONTRACTOR TO	7.16. 7.16.1. 7.16.2. 7.16.3.	ADDITIONAL REQUIREMENTS FROM TAHLEQUAH PUBLIC WORKS AUTHORITY SHALL BE AS FOLLOWS: WATER LINES SHALL HAVE A MAXIMUM SDR OF 21. BEDDING MATERIAL SHALL BE SAND IN DRY AREAS AND 3/4-IN WASHED ROCK IN WET AREAS.
AHLEQUAH STANDARD ENTS SHALL BE JIREMENTS OF THE CONTRACTOR SHALL BE	7.16.3. 7.16.4. 7.16.5. 7.16.6.	BEDDING MATERIAL SHALL BE PROVIDED 6-IN BELOW PIPE AND 12-IN ABOVE THE PIPE (MINIMUM). FIRE HYDRANTS SHALL BE AVK FIRE HYDRANTS WITH TAHLEQUAH THREAD (301). VALVES SHALL BE AVK. CONTRACTOR TO PROVIDE 12/14 GUAGE COATED TRACER WIRE STUBBED OUTSIDE OF VALVE BOXES AND AT THE HYDRANT. WIRES SHALL BE SOLDERED TOGETHER OR OTHER APPROVED METHOD. TRACER
ERMINING JALITY IS REQUIRED NSIBILITY OF THE UCTION. ADDITIONAL NES PRIOR TO	7.16.7. 7.16.8. 7.16.9. 7.16.10. 7.16.11. 7.16.12. 7.16.13.	WIRE MUST BE UNCUT AND ACCESSIBLE OUTSIDE ALL VALVE STAND AND HYDRANTS. CONTRACTOR TO PROVIDE MIDCO RESTRAINTS ON ALL PVC PIPE. BELL RESTRAINTS SHALL BE PROVIDED WITHIN 40-FT (IN ALL DIRECTIONS) FROM A MECHANICAL JOINT. MEGA-LUG RESTRAINTS SHALL BE PROVIDED ON DUCTILE IRON PIPE. ANY WATER LINES OVER 12-IN MUST BE DUCTILE IRON PIPE. VALVE OPERATOR EXTENSIONS SHALL BE PROVIDED ON ANY VALVES BURIED DEEPER THAN 48-IN. ALL DUCTILE IRON PIPE SHALL BE WRAPPED IN PLASTIC. STEEL CASINGS SHALL BE PROVIDED UNDER ROADWAYS WITH CASING SPACES AND END CAPS.
EQUIRED PRIOR TO MPROVEMENTS ARE TRACTOR TO SECURE	7.16.14. 8. GA	ALL WATER METERS SHALL BE INSTALLED IN NON-TRAFFIC AREAS.
TION OF ANY WATER THE CONTRACTOR. TION 22 1313 OF THE	8.1.	ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 23 1123 OF THE PROJECT SPECIFICATIONS AND CHAPTER 4 OF THE INTERNATIONAL FUEL GAS CODE, 2012 (IFGC). THE IFGC SHALL BE
LINE SHALL NOT EXCEED COCEDURES AND THE TEST(S).	8.2.	CONSIDERED TO SUPERCEDE THE NOTED SPECIFICATION SECTION IN THE EVENT OF INCONSISTENCIES BETWEEN THE TWO DOCUMENTS. ALL GAS LINES LOCATED ON THE SITE ARE PRIVATE LINES AND ARE NOT OWNED OR MAINTAINED BY THE GAS
EQ), THE CONTRACTOR SITUATION SHALL THE		SERVICE PROVIDER. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNER'S MAINTENANCE STAFF AND COORDINATING IMPROVEMENTS DOCUMENTED IN THE CONSTRUCTION DRAWINGS PRIOR TO PERFORMING WORK. ANY SERVICE INTERRUPTIONS REQUIRED FOR COMPLETION OF THE SCOPE OF WORK SHALL BE FULLY COORDINATED WITH THE OWNER A MINIMUM OF 48-HOURS PRIOR TO THE ANTICIPATED INTERRUPTION.
	8.3.	ALL GAS PIPING, TUBING, AND FITTINGS SHALL BE POLYETHYLENE AND SHALL CONFORM TO THE 2009 EDITION OF ASTM D 2513.
PROVISIONS OF OAC	8.3.1.	FACTORY-ASSEMBLED ANODLESS RISERS SHALL BE RECOMMENDED BY THE MANUFACTURER FOR THE GAS USED AND SHALL BE LEAK TESTED BY THE MANUFACTURER IN ACCORDANCE WITH WRITTEN PROCEDURES.
N 4.5-FEET DEEP SHALL	8.3.2.	SERVICE HEAD ADAPTERS AND FIELD-ASSEMBLED ANODELESS RISERS INCORPORATING SERVICE HEAD ADAPTERS SHALL BE RECOMMENDED BY THE MANUFACTURER FOR THE GAS USED, AND SHALL BE

DESIGNED AND CERTIFIED TO MEET THE REQUIREMENTS OF CATEGORY I OF THE 2009 EDITION OF ASTM

D 2513 AND USDOT (CFR, TITLE 49, PART 192.281(e)). THE MANUFACTURER SHALL PROVIDE THE USER

	WITH QUALIFIED INSTALLATION INSTRUCTIONS AS PRESCRIBED BY THE USDOT (CFR, TITLE 49, PART 192.283(b)).
8.4.	PIPE SHALL BE MARKED "GAS" AND "ASTM D 2513". PIPE, TUBING, AND FITTINGS SHALL BE CLEAR AND FREE FROM CUTTING BURRS AND DEFECTS IN STRUCTURE. DEFECTS IN PIPE, TUBING, AND FITTINGS SHALL NOT BE REPAIRED. DEFECTIVE PIPE, TUBING, AND FITTINGS SHALL BE REPLACED.
8.5.	PLASTIC PIPE, TUBING, AND FITTINGS SHALL BE JOINED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SUCH JOINTS SHALL COMPLY WITH THE FOLLOWING:
8.5.1.	THE JOINT SHALL BE DESIGNED AND INSTALLED SO THAT THE LONGITUDINAL PULL-OUT RESISTANCE OF THE JOINT WILL BE AT LEAST EQUAL TO THE TENSILE STRENGTH OF THE PLASTIC PIPING MATERIAL.
8.5.2.	HEAT-FUSION JOINTS SHALL BE MADE IN ACCORDANCE WITH QUALIFIED PROCEDURES THAT HAVE BEEN ESTABLISHED AND PROVEN BY TEST TO PRODUCE GAS-TIGHT JOINTS AT LEAST AS STRONG AS THE PIPI OR TUBING BEING JOINED. JOINTS SHALL BE MADE WITH THE JOINING METHOD RECOMMENDED BY THE PIPE MANUFACTURER. HEAT FUSION FITTINGS SHALL BE MARKED "ASTM D 2513."
8.5.3.	WHERE COMPRESSION-TYPE MECHANICAL JOINTS ARE USED, THE GASKET MATERIAL IN THE FITTING SHALL BE COMPATIBLE WITH THE PLASTIC PIPING AND WITH THE GAS DISTRIBUTED BY THE SYSTEM. AN INTERNAL TUBULAR RIGID STIFFENER SHALL BE USED IN CONJUNCTION WITH THE FITTING. THE STIFFENER SHALL BE FLUSH WITH THE END OF THE PIPE OR TUBING AND SHALL EXTEND AT LEAST TO THE OUTSIDE END OF THE COMPRESSION FITTING WHEN INSTALLED. THE STIFFENER SHALL BE FREE OF ROUGH OR SHARP EDGES AND SHALL NOT BE A FORCE FIT IN THE PLASTIC. SPLIT TUBULAR STIFFENERS SHALL NOT BE USED.
8.6.	ALL MATERIALS USED SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE STANDARDS UNDER WHICH THE MATERIALS ARE ACCEPTED AND APPROVED. IN THE ABSENCE OF SUCH INSTALLATION PROCEDURES, THE MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED. WHERE THE REQUIREMENTS OF REFERENCED STANDARDS OR MANUFACTURER'S INSTRUCTIONS DO NOT CONFORM TO MINIMUM PROVISIONS OF THE CONSTRUCTION DOCUMENTS, THE PROVISIONS OF THIS CODE SHALL APPLY.
8.7.	GAS PIPING SHALL NOT PENETRATE BUILDING FOUNDATION WALLS AT ANY POINT BELOW GRADE. GAS PIPING SHALL ENTER AND EXIT A BUILDING AT A POINT ABOVE GRADE AND THE ANNULAR SPACE BETWEEN THE PIPE AND THE WALL SHALL BE SEALED.
8.8.	UNDERGROUND PIPING SYSTEMS SHALL BE INSTALLED A MINIMUM DEPTH OF 30-INCHES BELOW GRADE
8.9.	GAS LINE TRENCHES SHALL BE GRADED SO THAT THE PIPE HAS A FIRM, SUBSTANTIALLY CONTINUOUS BEARING ON THE BOTTOM OF THE TRENCH.
8.10.	THE INSTALLATION OF PLASTIC PIPE SHALL HAVE THE FOLLOWING LIMITATIONS: PLASTIC PIPE SHALL BE INSTALLED OUTDOORS UNDERGROUND ONLY. PLASTIC PIPE SHALL NOT BE USED WITHIN OR UNDER ANY BUILDING OR SLAB OR BE OPERATED AT PRESSURES GREATER THAN 100 PSIG (689 KPA) FOR NATURAL GAS OR 30 PSIG (207 KPA) FOR LP-GAS.
8.10.1.	EXCEPTIONS
8.10.1.1	PLASTIC PIPE SHALL BE PERMITTED TO TERMINATE ABOVE GROUND OUTSIDE OF BUILDINGS WHERE INSTALLED IN PRE-MANUFACTURED ANODELESS RISERS OR SERVICE HEAD ADAPTER RISERS THAT ARE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8.10.1.2	PLASTIC PIPE SHALL BE PERMITTED TO TERMINATE WITH A WALL HEAD ADAPTER WITHIN BUILDINGS WHERE THE PLASTIC PIPE IS INSERTED IN A PIPING MATERIAL FOR FUEL GAS USE IN BUILDINGS.
8.10.1.3	PLASTIC PIPE SHALL BE PERMITTED UNDER OUTDOOR PATIO, WALKWAY AND DRIVEWAY SLABS PROVIDED THAT THE BURIAL DEPTH COMPLIES WITH SECTION 404.12.
8.11.	CONNECTIONS: CONNECTIONS MADE OUTDOORS AND UNDERGROUND BETWEEN METALLIC AND PLASTIC PIPING SHALL BE MADE ONLY WITH TRANSITION FITTINGS CONFORMING WITH ASTM D 2513 CATEGORY I OR ASTM F 1973
8.12.	A YELLOW INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR SHALL BE INSTALLED ADJACENT TO UNDERGROUND NONMETALLIC PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE NONMETALLIC PIPING. THE TRACER WIRE SIZE SHALL NOT BE LESS THAN 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR DIRECT BURIAL.
8.13.	TESTING OF PIPING: BEFORE ANY SYSTEM OF PIPING IS PUT IN SERVICE OR CONCEALED, IT SHALL BE TESTED TO ENSURE THAT IT IS GAS TIGHT. TESTING, INSPECTION AND PURGING OF PIPING SYSTEMS SHALL COMPLY WITH SECTION 406 OF THE IFGC.
8.14.	PLASTIC PIPE BENDS SHALL COMPLY WITH THE FOLLOWING:
8.14.1.	THE PIPE SHALL NOT BE DAMAGED AND THE INTERNAL DIAMETER OF THE PIPE SHALL NOT BE EFFECTIVELY REDUCED.
8.14.2.	JOINTS SHALL NOT BE LOCATED IN PIPE BENDS.
8.14.3.	THE RADIUS OF THE INNER CURVE OF SUCH BENDS SHALL NOT BE LESS THAN 25 TIMES THE INSIDE DIAMETER OF THE PIPE.
8.14.4.	WHERE THE PIPING MANUFACTURER SPECIFIES THE USE OF SPECIAL BENDING TOOLS OR PROCEDURES, SUCH TOOLS OR PROCEDURES SHALL BE USED.
8.15.	SHUT-OFF VALVES SHALL BE INSTALLED PER THE REQUIREMENTS OF SECTION 409 OF THE IFGC. SHUT-OFF VALVES SHALL BE INSTALLED OUTDOORS AT EACH BUILDING AND SHALL BE PLAINLY MARKED WITH AN IDENTIFICATION TAG ATTACHED BY THE INSTALLER SO THAT THE PIPING SYSTEMS SUPPLIED BY SUCH VALVES ARE READILY IDENTIFIED.
8.16.	A LINE PRESSURE REGULATOR SHALL BE INSTALLED WHERE EQUIPMENT SERVICED BY THE GAS DISTRIBUTION SYSTEM IS DESIGNED TO OPERATE AT A LOWER PRESSURE THAN THE SUPPLY PRESSURE. LINE GAS PRESSURE REGULATORS SHALL BE LISTED AS COMPLYING WITH ANSI Z21.80. ACCESS SHALL BE PROVIDED TO PRESSURE

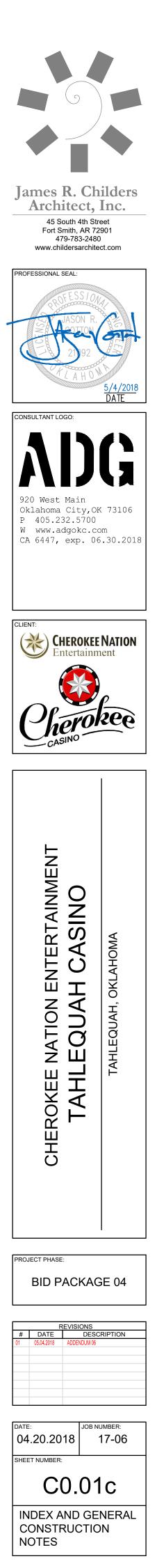
9. SURVEYING

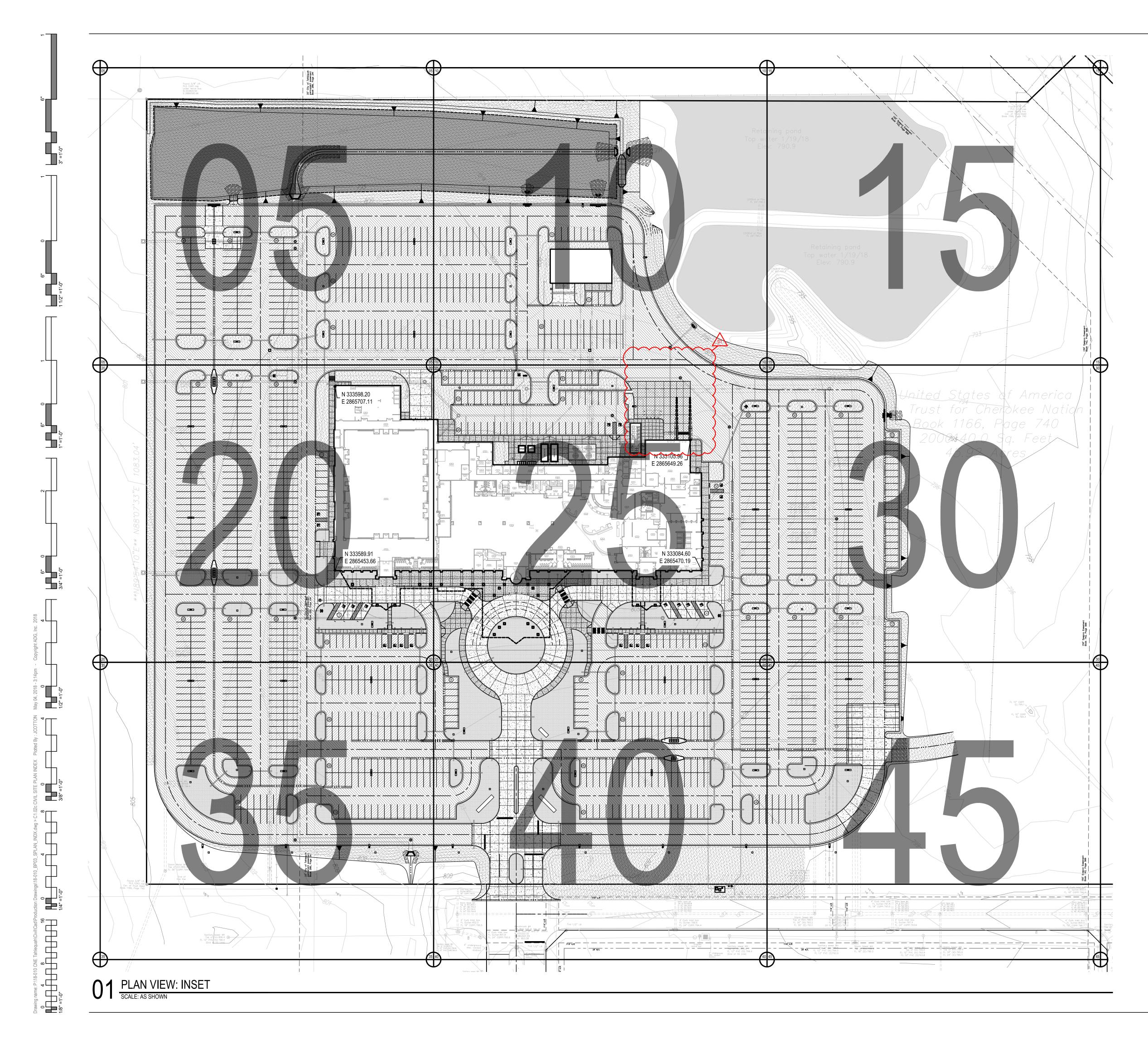
- TOPOGRAPHIC SURVEY HAS BEEN PREPARED BY KROHN SURVEYING, INC OF LONE GROVE, OKLAHOMA (PHONE 580.490.2422). AN UNOFFICIAL COPY OF THIS SURVEY HAS BEEN PROVIDED WITH THE CONSTRUCTION DRAWINGS FOR THE CONTRACTOR'S REFERENCE. SURVEY CONTROL FOR THE PROJECT SHALL BE AS IDENTIFIED ON THIS SURVEY
- COST OF STAKING TO BE INCLUDED IN SUBMITTED BID PRICE. ALL CONSTRUCTION STAKING SHALL BE PROVIDED 9.2. BY INDEPENDENT LICENSED LAND SURVEYING COMPANY, CONTRACTOR TO PROVIDE QUALIFICATION STATEMENT FROM SURVEYOR TO ENGINEER AND OWNER FOR REVIEW AND APPROVAL PRIOR TO ENGAGING SURVEYOR.
- PRIMARY CONTROL FOR CONSTRUCTION OF THE PROJECT HAS BEEN PROVIDED TO THE CONTRACTOR AS 9.3. INDICATED IN THE CONSTRUCTION DRAWINGS. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE ACCURACY OF THE PROVIDED COORDINATE AND ELEVATION DATA PRIOR TO USING ANY OF THE LISTED POINTS FOR CONSTRUCTION STAKING OR PLACEMENT OF SECONDARY CONTROL.
- PRIMARY CONTROL POINTS SHALL BE PROTECTED AND PRESERVED THROUGHOUT THE COURSE OF THE 9.4. PROJECT. IN THE EVENT THAT THE LOCATION OF PRIMARY CONTROL INTERFERES WITH COMPLETION OF THE SCOPE OF WORK, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR REVIEW PRIOR TO DISTURBING THE CONTROL POINT.
- COST ASSOCIATED WITH THE REPLACEMENT OF ANY PRIMARY CONTROL DAMAGED DURING THE COURSE OF 9.5. WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. REPLACEMENT CONTROL SHALL BE ESTABLISHED BY A LICENSED LAND SURVEYOR.
- SECONDARY CONTROL SHALL BE SET AS NECESSARY BY THE CONTRACTOR TO ACCURATELY COMPLETE THE 9.6. SCOPE OF WORK. COST ASSOCIATED WITH PLACEMENT OF ALL SECONDARY CONTROL AS WELL AS ANY NECESSARY CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- FIELD SURVEYS SHALL BE PROVIDED BY THE CONTRACTOR AS NECESSARY TO CALCULATE AND VERIFY ANY 9.7. QUANTITIES USED TO CALCULATE CHANGES IN THE CONTRACT AMOUNT. ALL SURVEYS SHALL BE COMPLETED BY A LICENSED LAND SURVEYOR AND SHALL BE SUBMITTED TO THE ENGINEER IN BOTH DIGITAL AND HARD COPY FORMAT. COST OF SURVEY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR

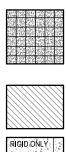
EARTHWORK

DESCRIPTION	QUANTITY (CU.YE
CUT: TOP OF EXISTING GRADE TO TOP OF ANTICIPATED FINISHED GRADE	10,483
FILL: TOP OF EXISTING GRADE TO TOP OF ANTICIPATED FINISHED GRADE	163,621
NET	(153,138)
NOTE TO CONTRACTOR: VOLUMES PROVIDED ARE UNADJUSTED AND ARE REPORTED HERE FOR I PURPOSES ONLY. CONTRACTOR RESPONSIBLE FOR PREPARING INDEPENDENT ESTIMATE AND DE IMPORT/EXPORT QUANTITIES PRIOR TO BIDDING WORK. QUANTITIES REPORTED DO NOT ACCOUN EXISTING PAVING REMOVAL, OVER-EXCAVATION, TRENCH EXCAVATION, OR PLACEMENT OF OTHE ANTICIPATED FINISHED GRADE (I.E., AGGREGATE MATERIALS, CHEMICAL STABILIZATION AGENTS,	TERMINING ACTUAL T FOR VOLUME OF R MATERIALS BELOW T

Sheet Number	Sheet Title
C0.01a	INDEX AND GENERAL CONSTRUCTION NOTES
C0.01b	INDEX AND GENERAL CONSTRUCTION NOTES
C0.01c	INDEX AND GENERAL CONSTRUCTION NOTES
C0.02a	PLAT OF TOPOGRAPHIC MAPPING (1 OF 2)
C0.02b	PLAT OF TOPOGRAPHIC MAPPING (1 OF 2)
C0.02c	PLAT OF TOPOGRAPHIC MAPPING (1 OF 2)
C0.03a	PLAT OF TOPOGRAPHIC MAPPING (2 OF 2)
C0.03b	PLAT OF TOPOGRAPHIC MAPPING (2 OF 2)
C0.03c	PLAT OF TOPOGRAPHIC MAPPING (2 OF 2)
C1.00a	- Civil SITE PLAN - OVERVIEW
C1.00c	CIVIL SITE PLAN - OVERVIEW
C1.02a	Civil SITE Plan
C1.02c	CIVIL SITE PLAN INDEX
C1.05c	CIVIL SITE PLAN - AREA 05
C1.10c	CIVIL SITE PLAN - AREA 10
C1.15c	CIVIL SITE PLAN - AREA 15
C1.20c	CIVIL SITE PLAN - AREA 20
C1.25c	CIVIL SITE PLAN - AREA 25 CIVIL SITE PLAN - AREA 30
C1.30C	CIVIL SITE PLAN - AREA 30 CIVIL SITE PLAN - AREA 35
C1.40c	CIVIL SITE PLAN - AREA 40
C1.45c	CIVIL SITE PLAN - AREA 45
C2.02a	
C2.02b	UTILITY PLAN INDEX
C3.020	EROSION CONTROL PLAN
C3.02c	EROSION CONTROL PLAN
C4.00c	PRE-DEVELOPMENT DRAINAGE MAP - OVERVIEW
C4.05c	POST-DEVELOPMENT DRAINAGE MAP - OVERVIEW
C4.10c	POST-DEVELOPMENT DRAINAGE MAP - INSET
C5.02b	STORM SEWER INDEX
C5.05a	STORM SEWER LINE A - PLAN AND PROFILE
C5.05b	STORM SEWER PROFILES
C5.10a	STORM SEWER LINE A - PLAN AND PROFILE (CONT)
C5.10b	STORM SEWER PROFILES
C5.15b	STORM SEWER PROFILES
C6.02b	SANITARY SEWER INDEX
C6.05b	SANITARY SEWER PLAN AND PROFILE - LINE A
C6.10b	SANITARY SEWER PLAN AND PROFILE - LINE A (CONT)
C6.15b	SANITARY SEWER PLAN AND PROFILE - LINE A (CONT)
C6.20b	SANITARY SEWER PLAN AND PROFILE - LINE A (CONT)
C6.25b	SANITARY SEWER PLAN AND PROFILE - LINE B
C6.30b	SANITARY SEWER PLAN AND PROFILE - LINE B (CONT)
C6.35b	EAST SIDE SANITARY SEWER PLAN
C7.02b	WATER INDEX
C7.05b	WATER LINE PLAN AND PROFILE - LINE A
C7.10b	WATER LINE PLAN AND PROFILE - LINE A (CONT)
C7.15b	WATER LINE PLAN AND PROFILE - LINE B
C7.20b	WATER LINE PLAN AND PROFILE - LINE B (CONT)
C7.25b	WATER LINE PLAN AND PROFILE - LINE C
C7.30b	WATER LINE PLAN AND PROFILE - LINE C (CONT)
C7.35b	WATER LINE PLAN AND PROFILE - LINE D
C7.40b	WATER LINE PLAN AND PROFILE - LINE D (CONT)
C8.02a	FINISHED GRADING PLAN - INDEX
C8.02c	FINISHED GRADING PLAN - INDEX
C8.05c	FINISHED GRADING PLAN - AREA 05 FINISHED GRADING PLAN - AREA 10
C8.10c	FINISHED GRADING PLAN - AREA 10 FINISHED GRADING PLAN - AREA 15
C8.20c	FINISHED GRADING PLAN - AREA 20
C8.25c	FINISHED GRADING PLAN - AREA 25
C8.30c	FINISHED GRADING PLAN - AREA 30
C8.35c	FINISHED GRADING PLAN - AREA 35
C8.40c	FINISHED GRADING PLAN - AREA 40
C8.45c	FINISHED GRADING PLAN - AREA 45
C9.00a	CIVIL CONSTRUCTION DETAILS
C9.05a	CIVIL CONSTRUCTION DETAILS
C9.10a	CIVIL CONSTRUCTION DETAILS
C9.15a	CIVIL CONSTRUCTION DETAILS
C9.10b	CIVIL CONSTRUCTION DETAILS
C9.15b	CIVIL CONSTRUCTION DETAILS
C9.20b	CIVIL CONSTRUCTION DETAILS
C9.25b	CIVIL CONSTRUCTION DETAILS
C9.30b	CIVIL CONSTRUCTION DETAILS
C9.00c	CIVIL CONSTRUCTION DETAILS
C9.05c	CIVIL CONSTRUCTION DETAILS
C9.10c	CIVIL CONSTRUCTION DETAILS
C9.15c	CIVIL CONSTRUCTION DETAILS
	CIVIL CONSTRUCTION DETAILS







RIGIDONLY

PROPOSED PC CONCRETE SIDEWALK PER 03/C9.05c. WORK TO BE PERFORMED PER SECTION 32 1313 OF THE PROJECT SPECIFICATIONS. SIDEWALK IMPROVEMENTS IN PUBLIC R/W SHALL BE PER CITY OF CITY OF TAHLEQUAH STANDARDS AND SPECIFICATIONS. HEAVY-DUTY PAVING SECTION PER 02/C9.15c AND SECTION 32 1216 /

HEAVY-DUTY PAVING SECTION PER 02/C9.15c AND SECTION 32 12167 32 1313 OF THE PROJECT SPECIFICATIONS. IN THE EVENT THAT A RIGID PAVING SECTION IS SELECTED BY THE OWNER, CONTRACTOR TO PROVIDE FINAL JOINT LAYOUT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. EXPANSION AND CONTRACTION JOINTS TO BE CONSTRUCTED PER 04/C9.05c AND 05/C9.05c, RESPECTIVELY.

LIGHT-DUTY PAVING SECTION PER 02/C9.15c AND SECTION 32 1216 / 32 1313 OF THE PROJECT SPECIFICATIONS. IN THE EVENT THAT A RIGID PAVING SECTION IS SELECTED BY THE OWNER, CONTRACTOR TO PROVIDE FINAL JOINT LAYOUT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. EXPANSION AND CONTRACTION JOINTS TO BE CONSTRUCTED PER 04/C9.05c AND 05/C9.05c, RESPECTIVELY.

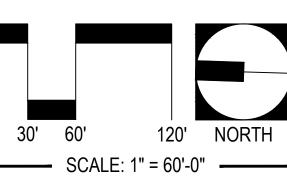
REINFORCED CONCRETE PAVING SECTION PER 02/C9.15c AND SECTION SECTION 32 1313 OF THE PROJECT SPECIFICATIONS. PROVIDED JOINT LAYOUT IS APPROXIMATE. CONTRACTOR TO PROVIDE FINAL JOINT LAYOUT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. EXPANSION AND CONTRACTION JOINTS TO BE CONSTRUCTED PER 04/C9.05c AND 05/C9.05c, RESPECTIVELY.



PROPOSED TURF AREA. CONTRACTOR TO INSTALL SOLID SLAB SODDING PER SECTION 32 9223 OF THE PROJECT SPECIFICATIONS. CONTRACTOR RESPONSIBLE FOR IRRIGATION AND MAINTENANCE OF TURF AREA UNTIL SUCH TIME THAT A VIGOROUS VEGETATIVE COVER HAS BEEN ESTABLISHED. SEE SWPPP FOR ADDITIONAL REQUIREMENTS RELATED TO STABILIZATION OF DISTURBED AREAS.

PROPOSED LANDSCAPE BED. SEE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAIL AND INFORMATION.





UTILITY WARNING:

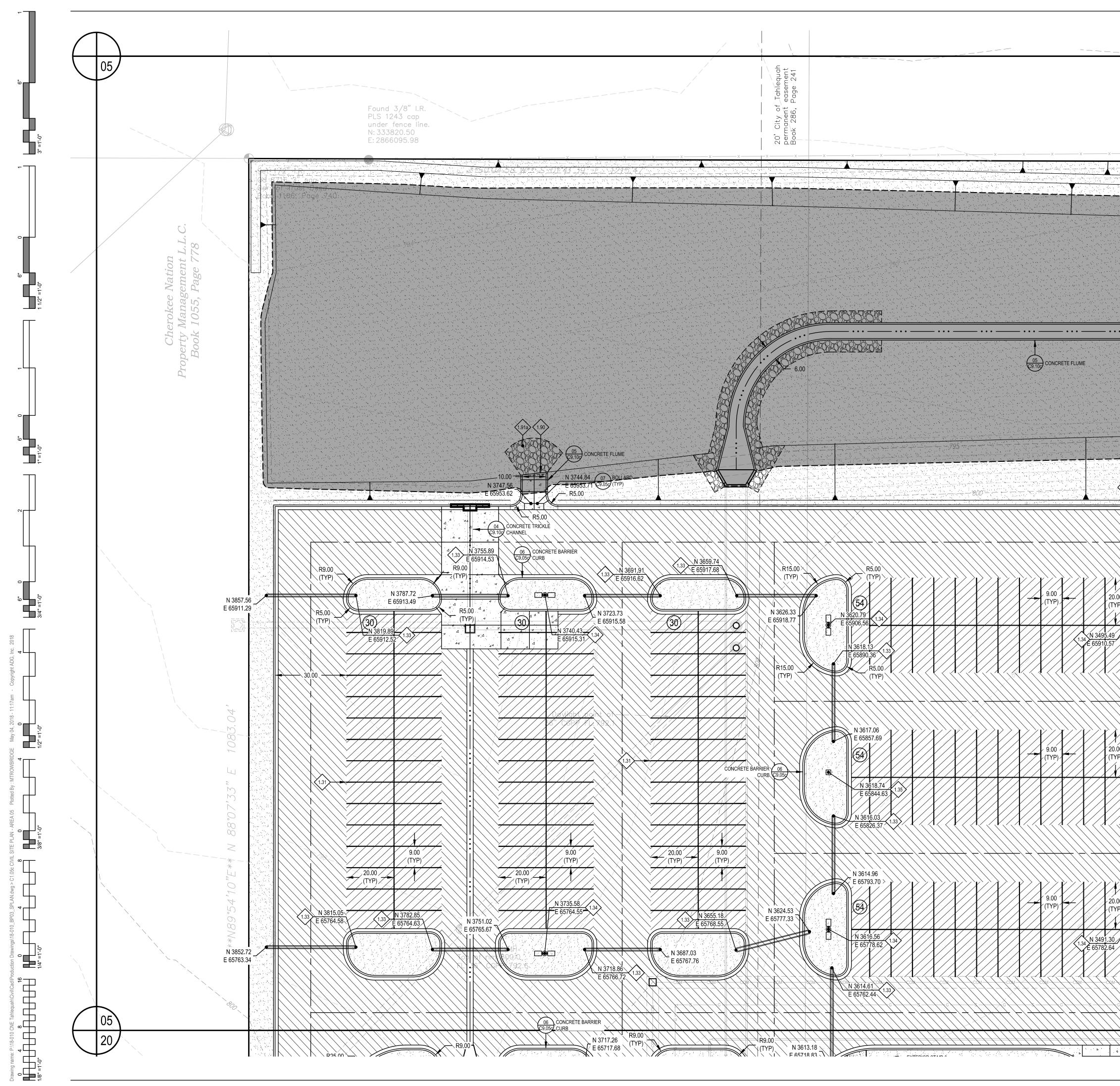
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM RECORD DOCUMENTS OR FIELD LOCATIONS BY THE OPERATOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

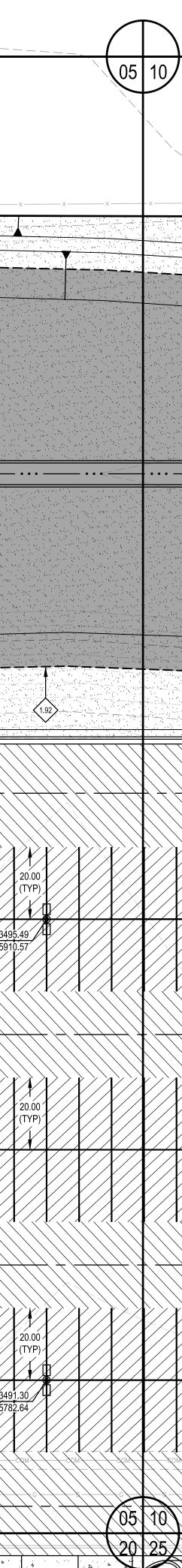
UTILITY ELEVATIONS AND SIZES MAY HAVE BEEN MEASURED UNDER ADVERSE FIELD CONDITIONS. UPON EXPOSING THE UTILITY, ELEVATIONS AND LINE SIZES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHOULD VERIFY CRITICAL ELEVATIONS USING THE BENCHMARK PROVIDED BY THE SURVEYOR OR ENGINEER. ANY DISCREPANCIES SHOULD BE IMMEDIATELY BROUGHT TO THE ENGINEER'S AND SURVEYOR'S ATTENTION.

James R. Ch Architect, 45 South 4th Str Fort Smith, AR 72 479-783-2480 www.childersarchite	Inc.
PROFESSIONAL SEAL:	5/4/2018 DATE
CONSULTANT LOGO: 920 West Main Oklahoma City,OF P 405.232.5700 W www.adgokc.cd CA 6447, exp. 06	om
CLIENT: CHEROKEE Entertainn Cherokee Entertainn Cherokee Cherokee Cherokee	NATION hent
CHEROKEE NATION ENTERTAINMENT TAHLEQUAH CASINO	TAHLEQUAH, OKLAHOMA
PROJECT PHASE: BID PACKAC	GE 04
01 05.04.2018 ADDENDUM 06	UMBER:
	17-06

CIVIL SITE PLAN

INDEX







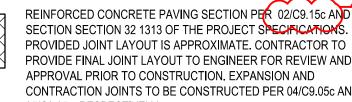
RIGID ONLY

RIGIDONLY

PROPOSED PC CONCRETE SIDEWALK / PATIO PER 03/C9.05c. WORK TO BE PERFORMED PER SECTION 32 1313 OF THE PROJECT SPECIFICATIONS. SIDEWALK IMPROVEMENTS IN PUBLIC R/W SHALL BE PER CITY OF CITY OF TAHLEQUAH STANDARDS AND SPECIFICATIONS.

> HEAVY-DUTY PAVING SECTION FER 02/C9.15c AND SECTION 32 1216 / 32 1313 OF THE PROJECT SPECIFICATIONS IN THE EVENT THAT A RIGID PAVING SECTION IS SELECTED BY THE OWNER, CONTRACTOR TO PROVIDE FINAL JOINT LAYOUT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. EXPANSION AND CONTRACTION JOINTS TO BE CONSTRUCTED PER 04/C9.05c AND 05/C9.05c, RESPECTIVELY.

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SECTION SECTION 32 1313 OF THE PROJECT SPECIFICATIONS. PROVIDED JOINT LAYOUT IS APPROXIMATE. CONTRACTOR TO PROVIDE FINAL JOINT LAYOUT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. EXPANSION AND CONTRACTION JOINTS TO BE CONSTRUCTED PER 04/C9.05c AND 05/C9.05c, RESPECTIVELY.

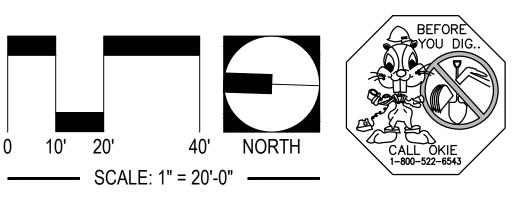


PROPOSED TURF AREA. CONTRACTOR TO INSTALL SOLID SLAB SODDING PER SECTION 32 9223 OF THE PROJECT SPECIFICATIONS. CONTRACTOR RESPONSIBLE FOR IRRIGATION AND MAINTENANCE OF TURF AREA UNTIL SUCH TIME THAT A VIGOROUS VEGETATIVE COVER HAS BEEN ESTABLISHED. SEE SWPPP FOR ADDITIONAL REQUIREMENTS RELATED TO STABILIZATION OF DISTURBED AREAS.

PROPOSED LANDSCAPE BED. SEE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAIL AND INFORMATION.

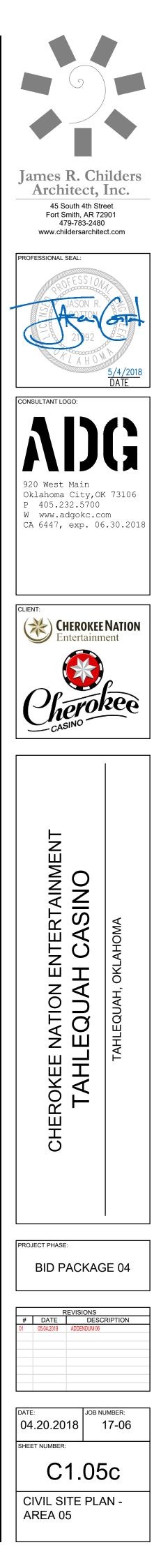
SI	TE PLAN KEYNOTES
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1.31	4-IN WHITE PARKING SPACE STRIPING PER SECTION 32 1723 OF THE PROJECT SPECIFICATIONS (TYPICAL).
1.32	ACCESSIBLE PARKING SPACE LOADING ZONE. CONTRACTOR TO PROVIDE 4-IN WHITE BORDER WITH 4-IN WHITE DIAGONALS SPACES AT 24-IN CENTERS. WORK TO BE COMPLETED PER SECTION 32 1723 OF THE PROJECT SPECIFICATIONS.
1.33	(2) 4-IN SCH40 PVC SLEEVES (FUTURE IRRIGATION SERVICE) DEPTH OF SLEEVES SHALL BE MINIMUM OF 24-IN BELOW BOTTOM OF OVERLYING SIDEWALK OF VEHICULAR PAVING SUBGRADE. (TYPICAL)
1.34	PROPOSED SITE LIGHTING/LIGHT POLE/POLE BASE PER ELECTRICAL DRAWINGS. SEE ELECTRICAL DOCUMENTS FOR ADDITIONAL DETAIL/INFORMATION.
1.35	ELECTRICAL PULL BOX PER SERVICE PROVIDER REQUIREMENTS. CONTRACTOR SHALL MAKE TOP OF PULL BOX LEVEL. TOP OF PULL BOX SHALL 0.10-FT ABOVE HIGHEST SURROUNDING GRADE.
1.37	PROPOSED TRANSFORMER LOCATIONS. CONSTRUCT CONCRETE TRANSFORMER PAD PER ELECTRICAL SERVICE PROVIDER REQUIREMENTS/STANDARDS. SEE ELECTRICAL DOCUMENTS FOR ADDITIONAL DETAIL/INFORMATION.
1.38	PROPOSED GENERATOR LOCATIONS. EQUIPMENT FOUNDATION SHALL BE PER GENERATOR MANUFACTURER REQUIREMENTS. SEE ELECTRICAL AND STRUCTURAL DOCUMENTS FOR ADDITIONAL DETAIL/INFORMATION.
1.39	PROPOSED ARCHITECTURAL BOLLARD PER ELECTRICAL PLANS AND SPECIFICATIONS. BOLLARD FOUNDATION PER MANUFACTURER REQUIREMENTS AND STRUCTURAL ENGINEER RECOMMENDATIONS.
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1.40c	PROPOSED RETAINING WALL - TYPE IIIB (DESIGN No. 6) FOOTING ELEVATION: 799.08.
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1.91a	INSTALL 6-IN COURSE OF 4-IN (D50) RIPRAP AT STORM WATER OUTFALL. METHODS AND MATERIALS SHALL BE PER THE REQUIREMENTS OF SECTION 33 4100 OF THE PROJECT SPECIFICATIONS.
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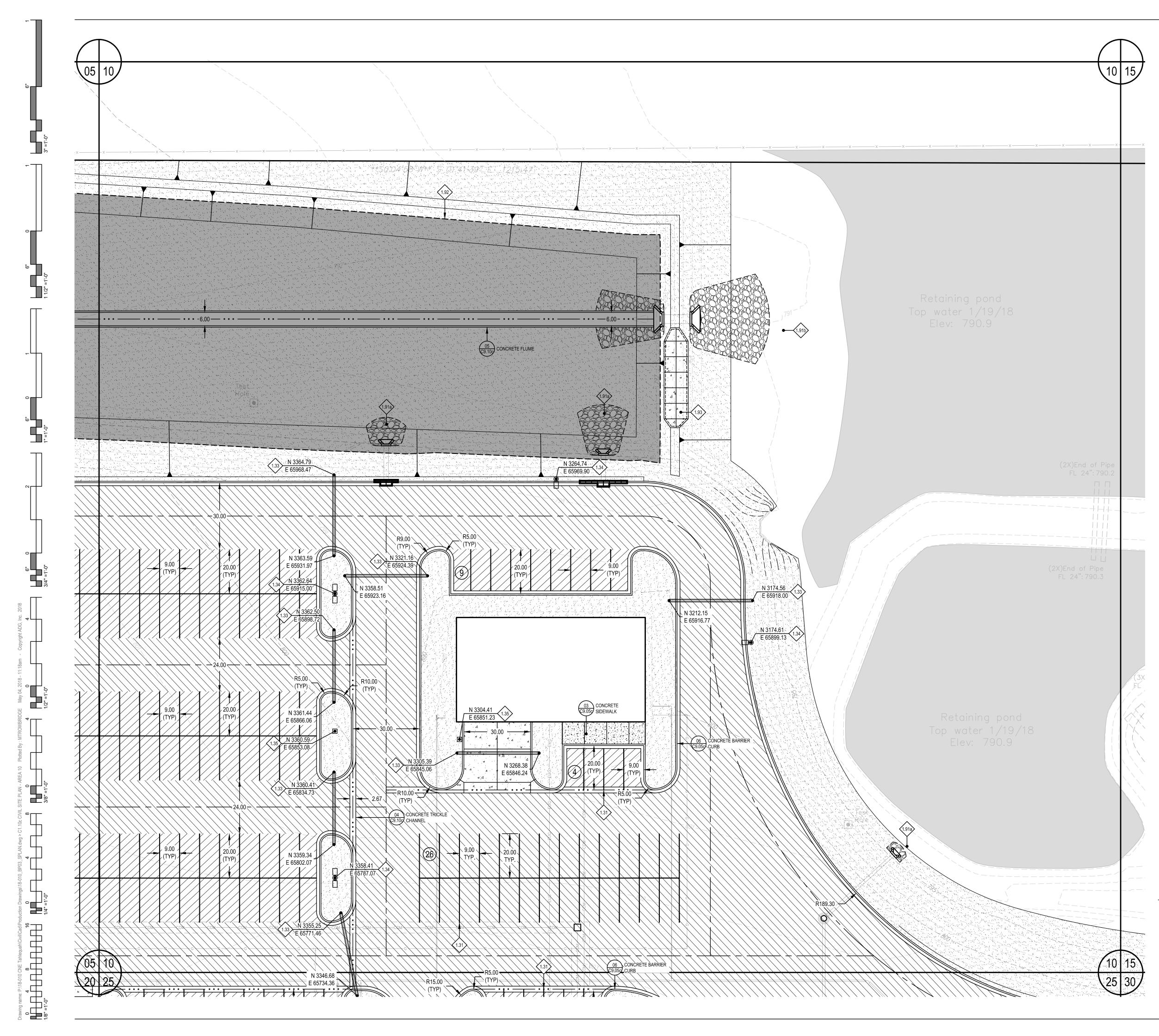
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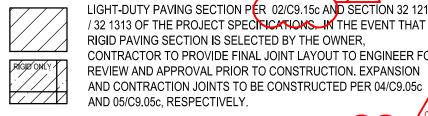
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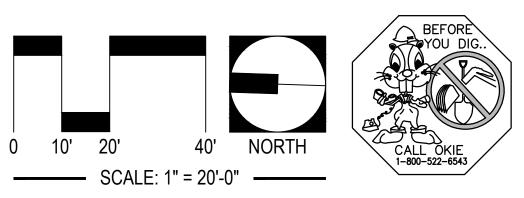
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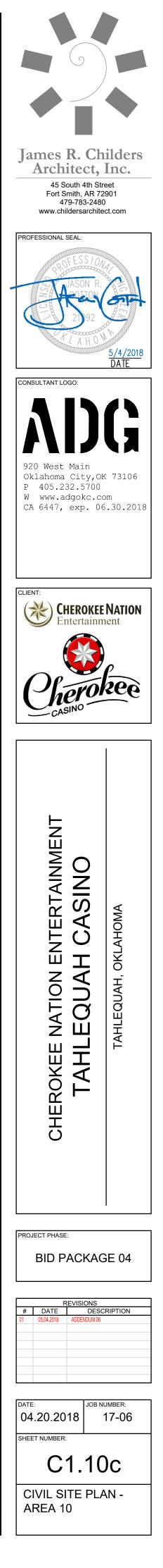
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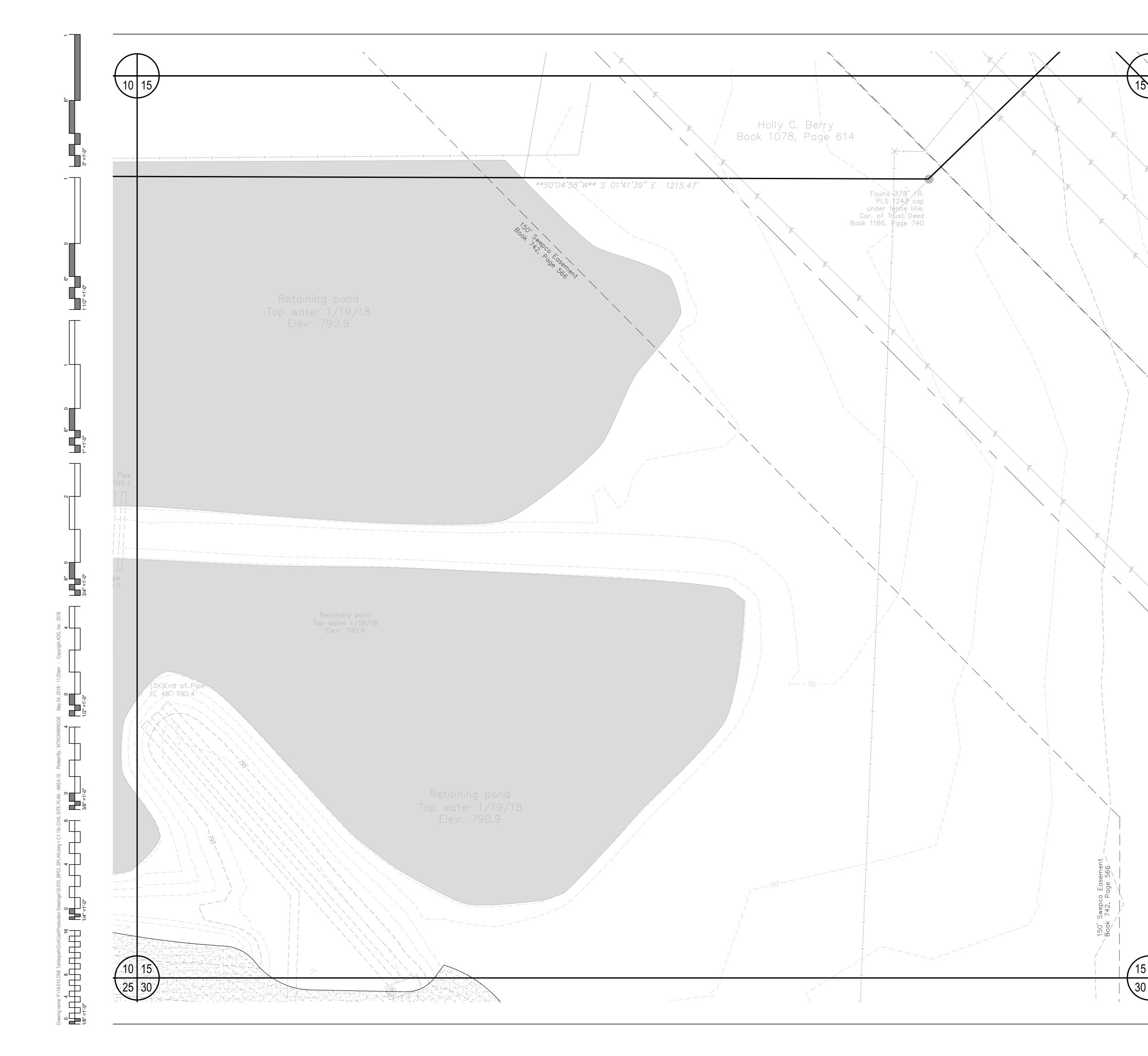
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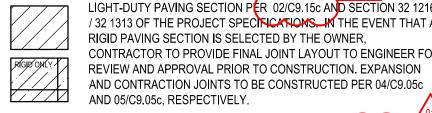


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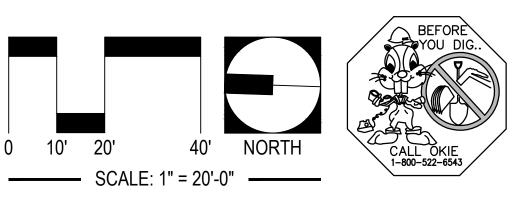
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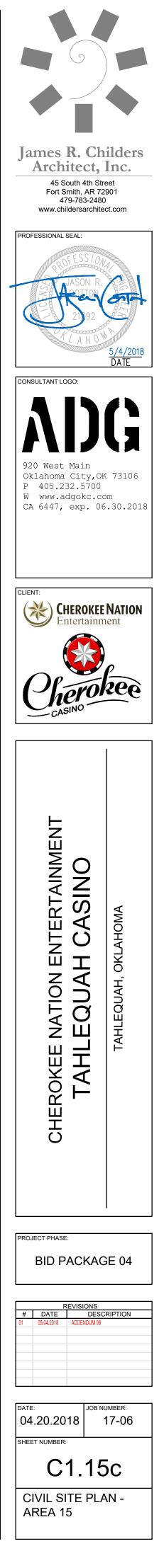
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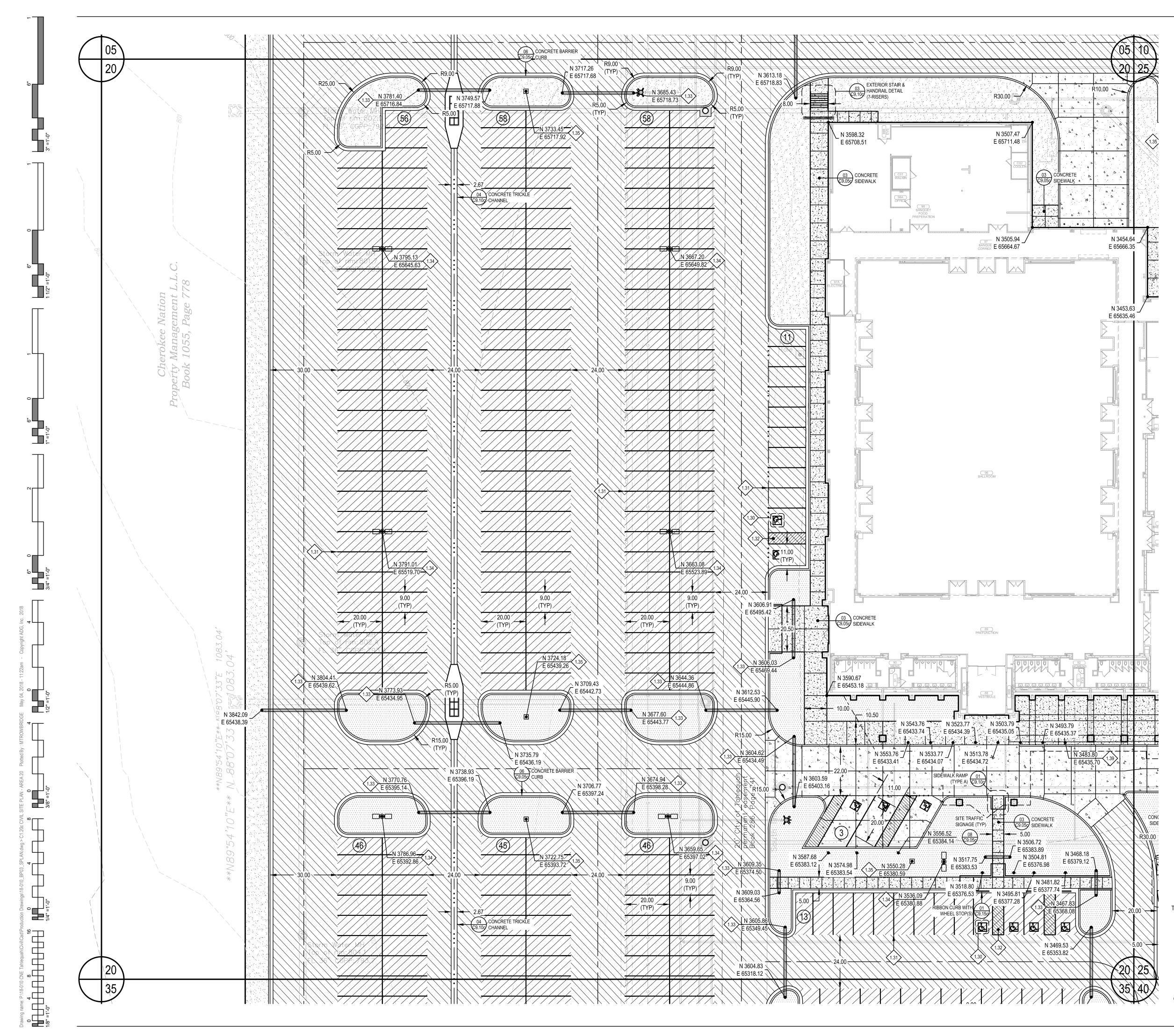
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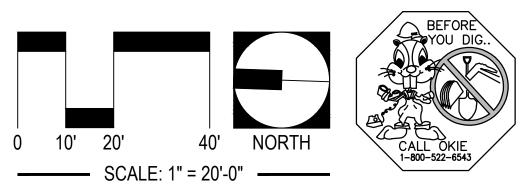
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1.40c	PROPOSED RETAINING WALL - TYPE IIIB (DESIGN No. 6) FOOTING ELEVATION: 799.08.
1.80	CONSTRUCT VEHICULAR/EQUIPMENT GATE PER 01/C9.20c AND SECTION 32 3113 OF THE PROJECT SPECIFICATIONS (TYPICAL).
1.80b	CONSTRUCT PEDESTRIAN GATE PER 01/C9.20c AND SECTION 32 3113 OF THE PROJECT SPECIFICATIONS (TYPICAL).
1.90	CONSTRUCT 24-IN x 8-IN CONCRETE CUT-OFF WALL AT FLUME TERMINATION.
1.91a	INSTALL 6-IN COURSE OF 4-IN (D50) RIPRAP AT STORM WATER OUTFALL. METHODS AND MATERIALS SHALL BE PER THE REQUIREMENTS OF SECTION 33 4100 OF THE PROJECT SPECIFICATIONS.
1.91b	INSTALL 18-IN COURSE OF 12-IN (D50) RIPRAP AT STORM WATER OUTFALL. METHODS AND MATERIALS

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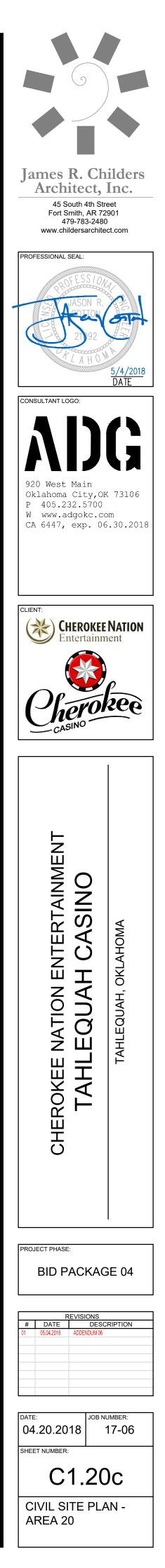
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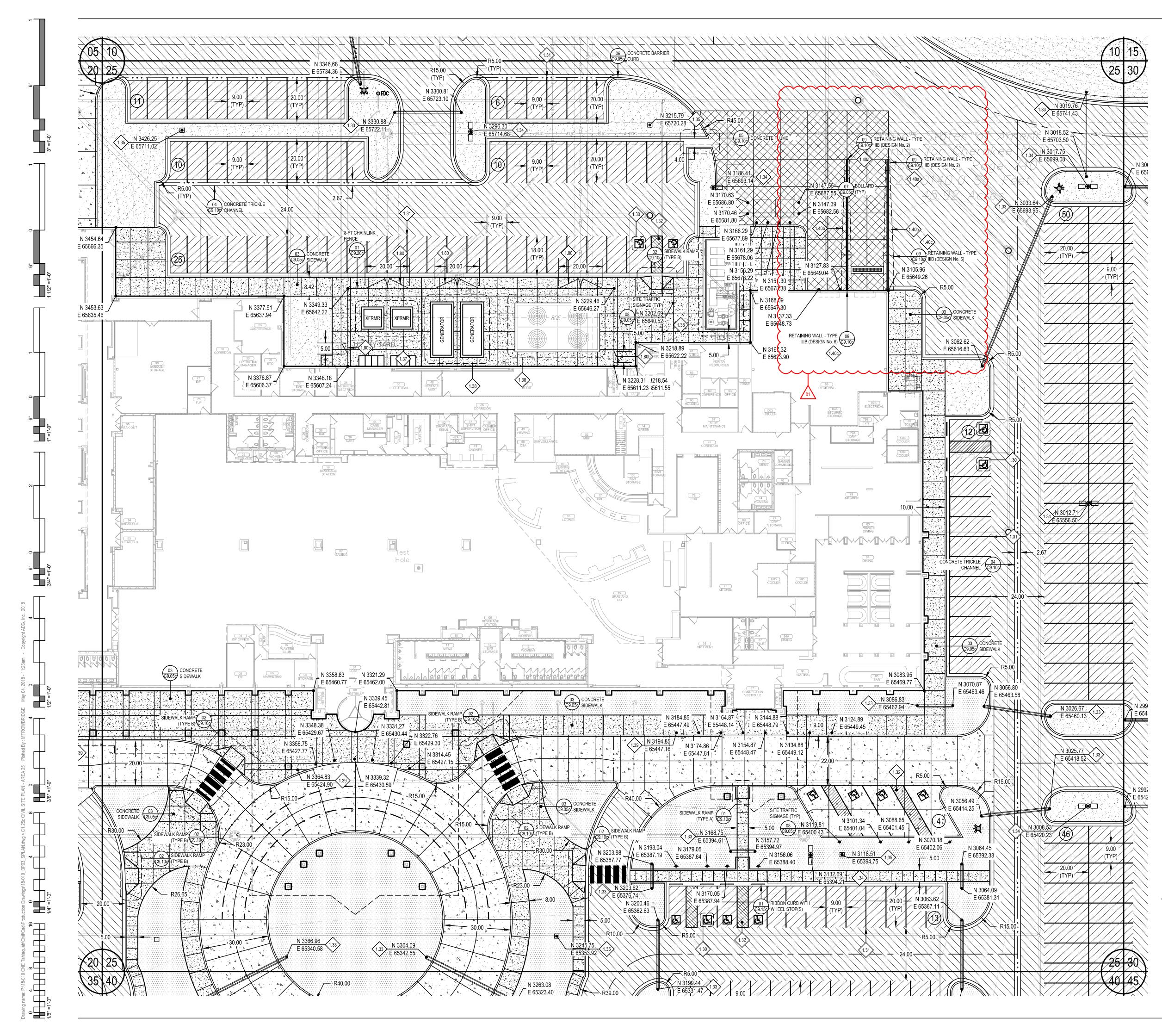
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RIGID ONLY

RIGIDONLY

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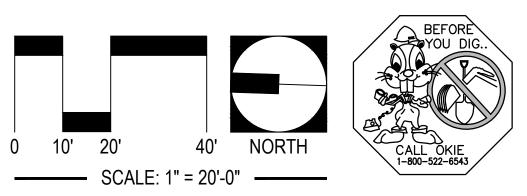


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PROPOSED LANDSCAPE BED. SEE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAIL AND INFORMATION.

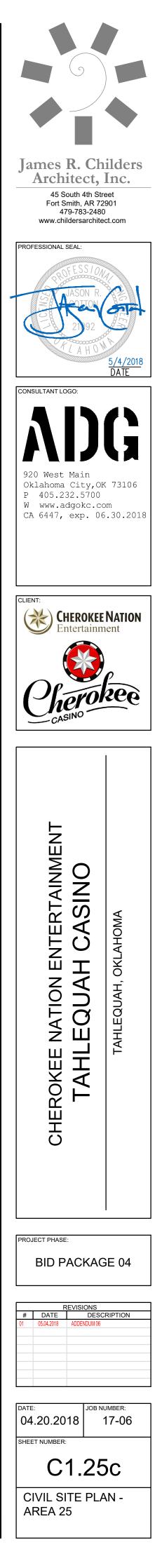
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1.39	PROPOSED ARCHITECTURAL BOLLARD PER ELECTRICAL PLANS AND SPECIFICATIONS. BOLLARD FOUNDATION PER MANUFACTURER REQUIREMENTS AND STRUCTURAL ENGINEER RECOMMENDATIONS.
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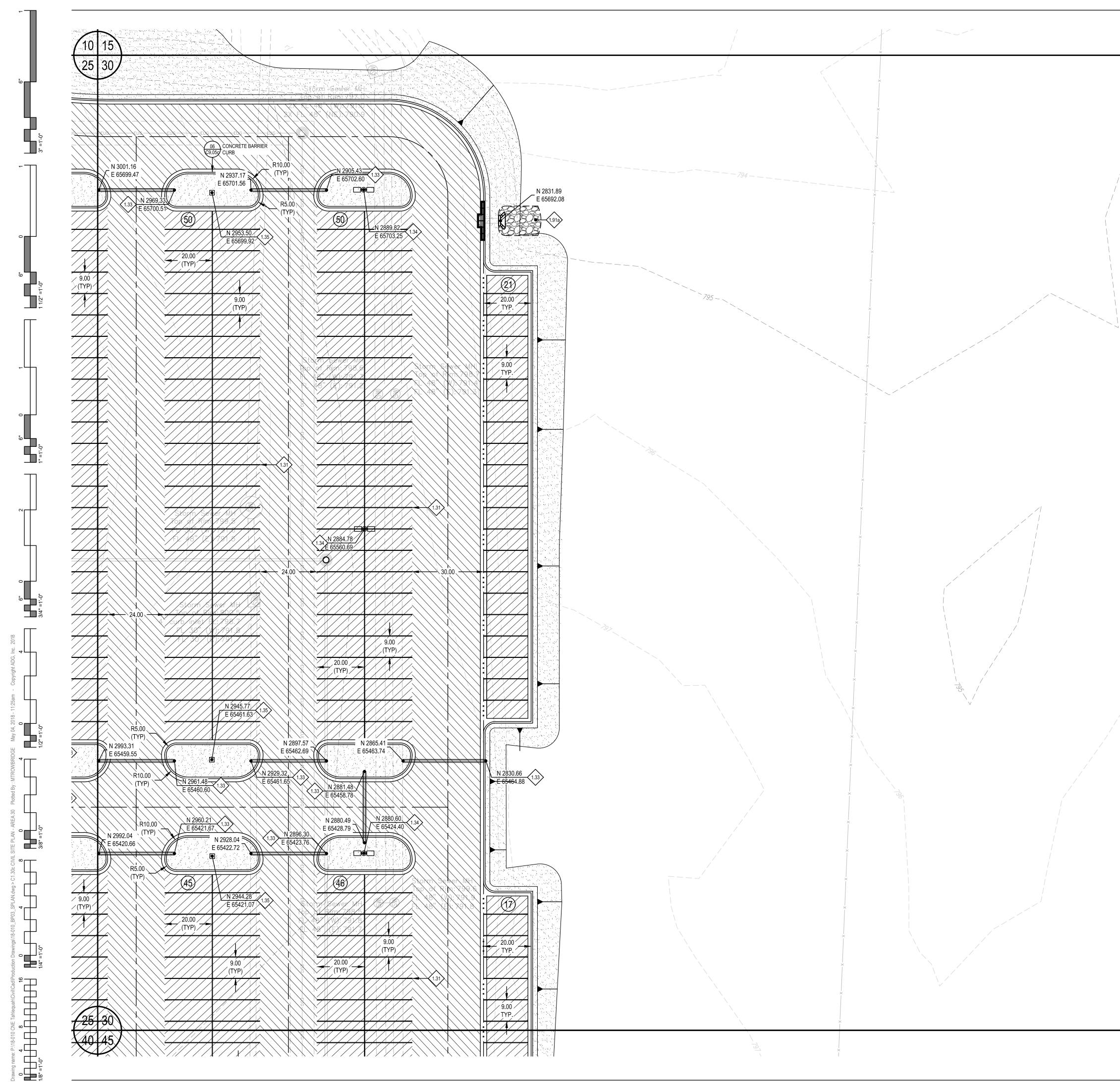
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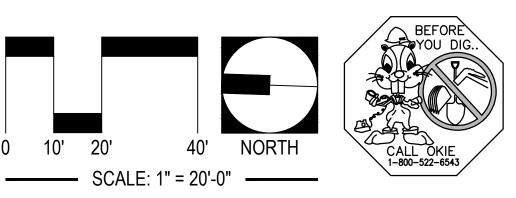
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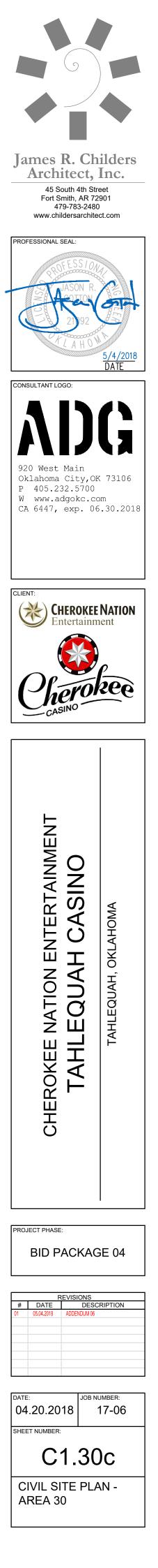
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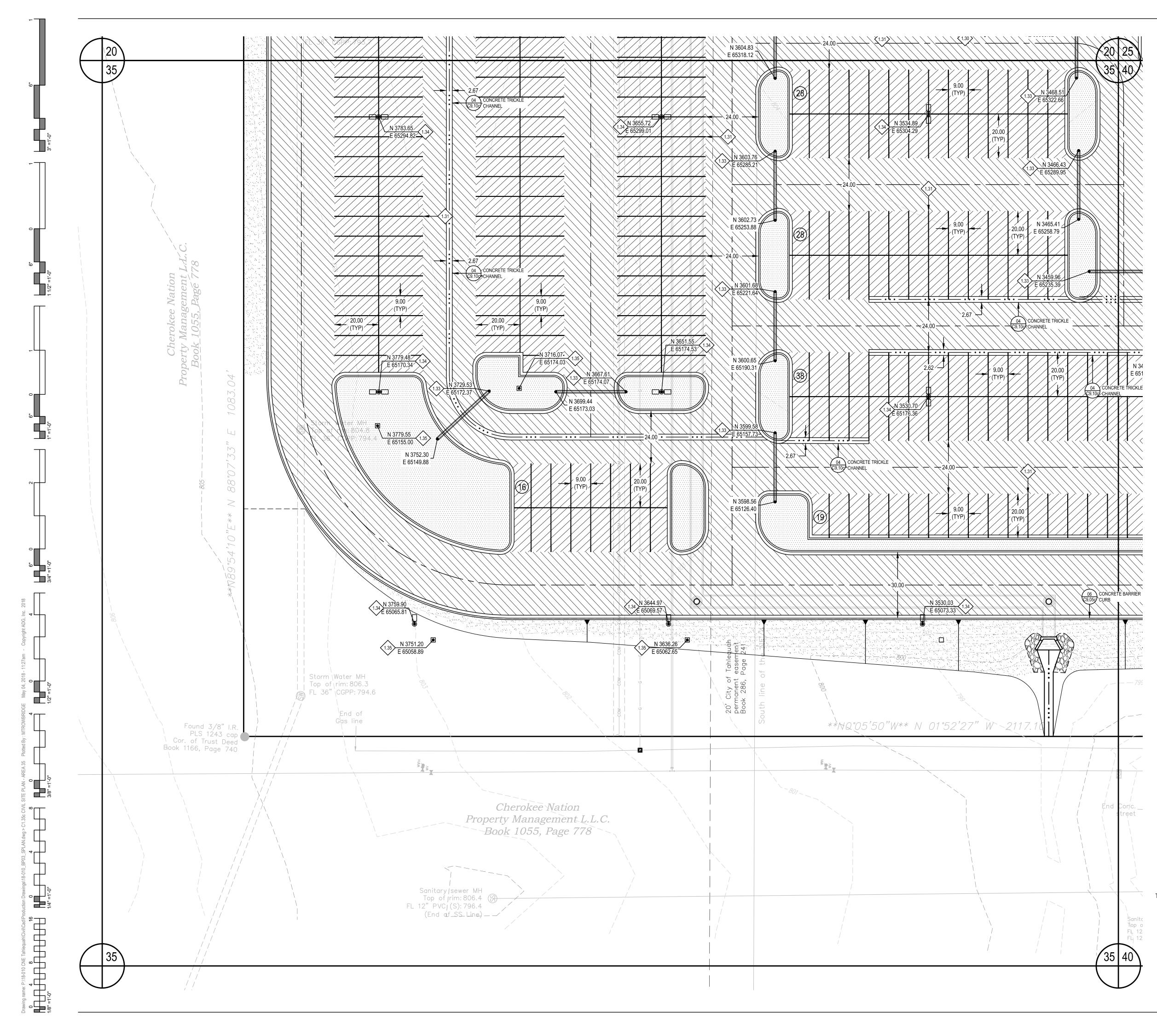
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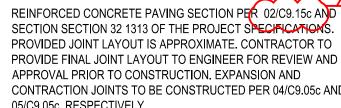
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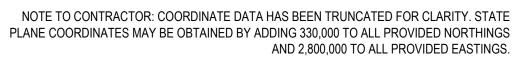
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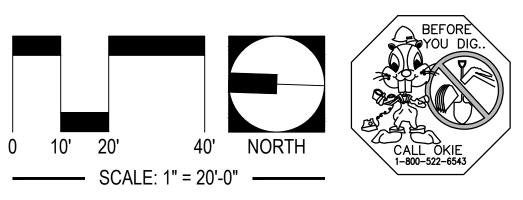


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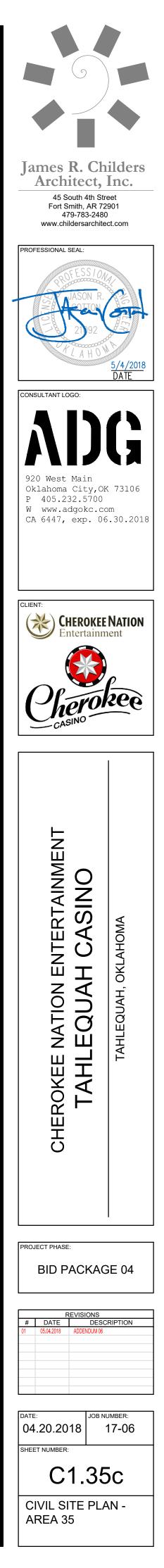
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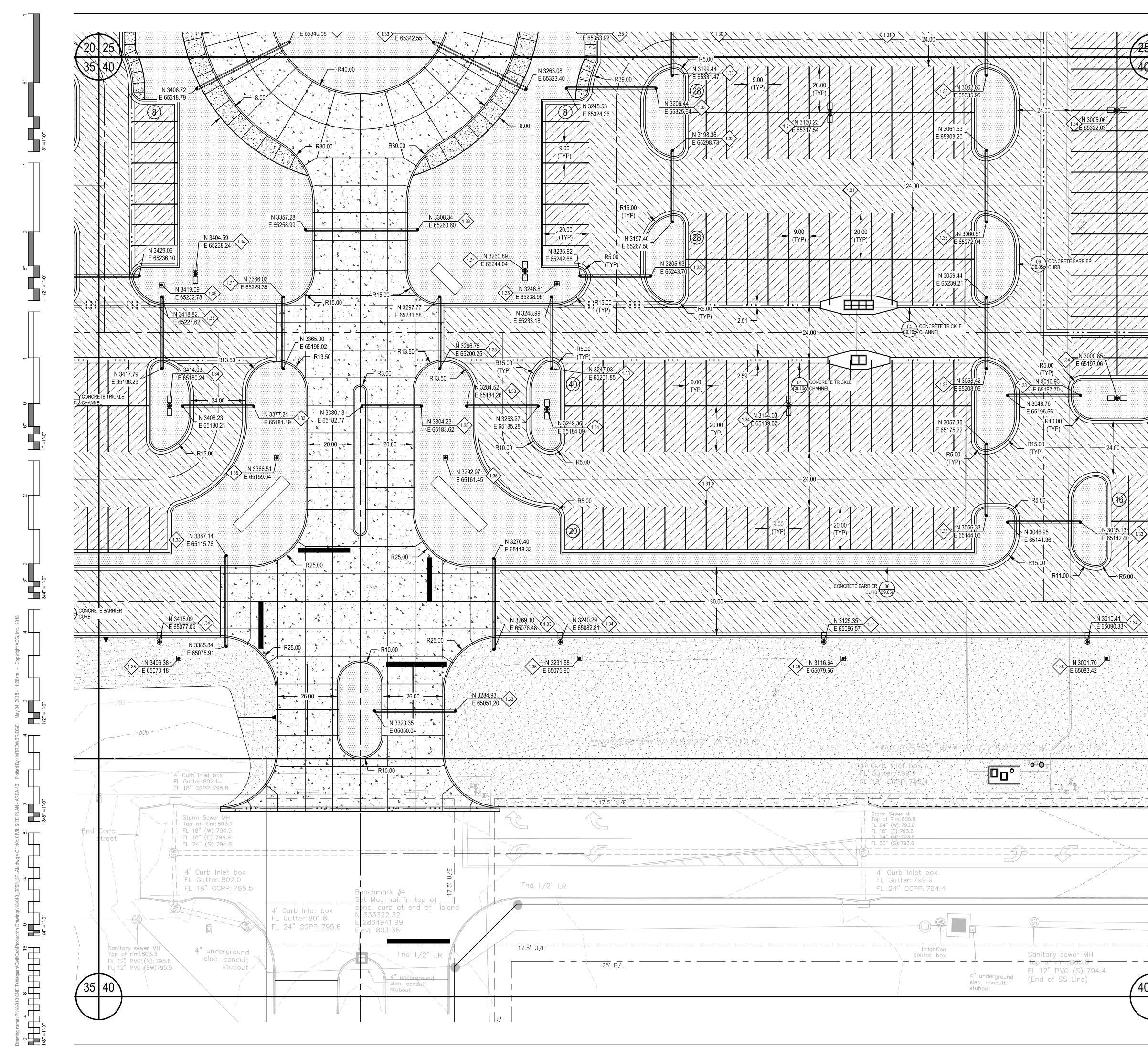


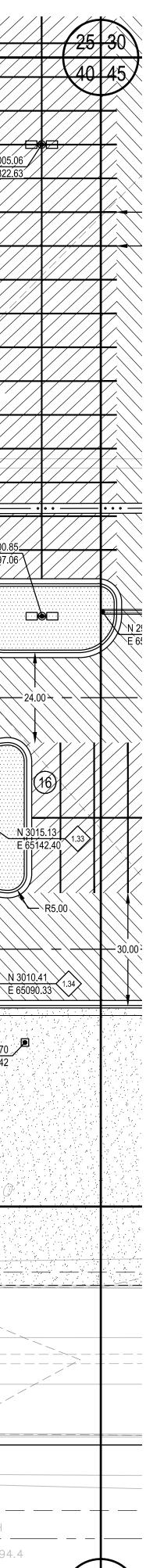


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LEGEND



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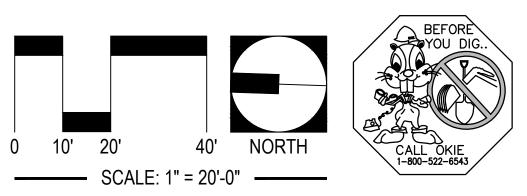
AREAS.

PROPOSED TURF AREA. CONTRACTOR TO INSTALL SOLID SLAB SODDING PER SECTION 32 9223 OF THE PROJECT SPECIFICATIONS. CONTRACTOR RESPONSIBLE FOR IRRIGATION AND MAINTENANCE OF TURF AREA UNTIL SUCH TIME THAT A VIGOROUS VEGETATIVE COVER HAS BEEN ESTABLISHED. SEE SWPPP FOR ADDITIONAL REQUIREMENTS RELATED TO STABILIZATION OF DISTURBED

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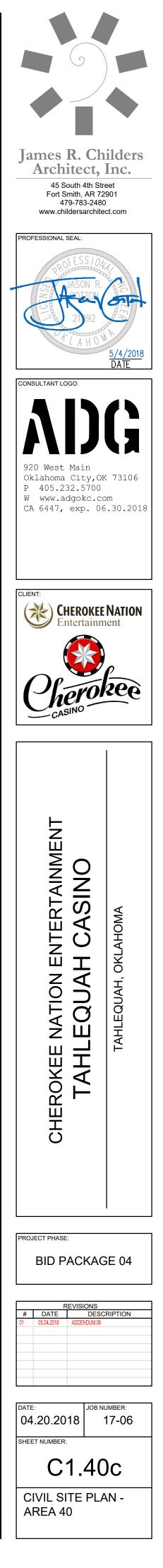
SITE PLAN KEYNOTES		
ID	DESCRIPTION	
1.30	PROVIDE ACCESSIBLE SPACE PAVEMENT MARKING PER 09/C9.05c AND SECTION 32 1723 OF THE PROJECT SPECIFICATIONS. PAVEMENT MARKING SHALL MEET THE REQUIREMENTS OF MUTCD, CURRENT EDITION (TYPICAL).	
1.31	4-IN WHITE PARKING SPACE STRIPING PER SECTION 32 1723 OF THE PROJECT SPECIFICATIONS (TYPICAL).	
1.32	ACCESSIBLE PARKING SPACE LOADING ZONE. CONTRACTOR TO PROVIDE 4-IN WHITE BORDER WITH 4-IN WHITE DIAGONALS SPACES AT 24-IN CENTERS. WORK TO BE COMPLETED PER SECTION 32 1723 OF THE PROJECT SPECIFICATIONS.	
1.33	(2) 4-IN SCH40 PVC SLEEVES (FUTURE IRRIGATION SERVICE) DEPTH OF SLEEVES SHALL BE MINIMUM OF 24-IN BELOW BOTTOM OF OVERLYING SIDEWALK OF VEHICULAR PAVING SUBGRADE. (TYPICAL)	
1.34	PROPOSED SITE LIGHTING/LIGHT POLE/POLE BASE PER ELECTRICAL DRAWINGS. SEE ELECTRICAL DOCUMENTS FOR ADDITIONAL DETAIL/INFORMATION.	
1.35	ELECTRICAL PULL BOX PER SERVICE PROVIDER REQUIREMENTS. CONTRACTOR SHALL MAKE TOP OF PULL BOX LEVEL. TOP OF PULL BOX SHALL 0.10-FT ABOVE HIGHEST SURROUNDING GRADE.	
1.37	PROPOSED TRANSFORMER LOCATIONS. CONSTRUCT CONCRETE TRANSFORMER PAD PER ELECTRICAL SERVICE PROVIDER REQUIREMENTS/STANDARDS. SEE ELECTRICAL DOCUMENTS FOR ADDITIONAL DETAIL/INFORMATION.	
1.38	PROPOSED GENERATOR LOCATIONS. EQUIPMENT FOUNDATION SHALL BE PER GENERATOR MANUFACTURER REQUIREMENTS. SEE ELECTRICAL AND STRUCTURAL DOCUMENTS FOR ADDITIONAL DETAIL/INFORMATION.	
1.39	PROPOSED ARCHITECTURAL BOLLARD PER ELECTRICAL PLANS AND SPECIFICATIONS. BOLLARD FOUNDATION PER MANUFACTURER REQUIREMENTS AND STRUCTURAL ENGINEER RECOMMENDATIONS.	
1.40a	PROPOSED RETAINING WALL - TYPE IIIB (DESIGN No. 2) FOOTING ELEVATION: 800.60.	
1.40b	RETAINING WALL TRANSITION SECTION. CONTRACTOR SHALL SLOPE CONCRETE FOOTING AS REQUIRED TO COINCIDE WITH FOOTING ELEVATION AT EITHER END OF TRANSITION SECTION. BOTTOM OF FOOTING SHALL BE A MINIMUM OF 30-IN BELOW LOWEST ADJACENT GRADE.	
1.40c	PROPOSED RETAINING WALL - TYPE IIIB (DESIGN No. 6) FOOTING ELEVATION: 799.08.	
1.80	CONSTRUCT VEHICULAR/EQUIPMENT GATE PER 01/C9.20c AND SECTION 32 3113 OF THE PROJECT SPECIFICATIONS (TYPICAL).	
1.80b	CONSTRUCT PEDESTRIAN GATE PER 01/C9.20c AND SECTION 32 3113 OF THE PROJECT SPECIFICATIONS (TYPICAL).	
1.90	CONSTRUCT 24-IN x 8-IN CONCRETE CUT-OFF WALL AT FLUME TERMINATION.	
1.91a	INSTALL 6-IN COURSE OF 4-IN (D50) RIPRAP AT STORM WATER OUTFALL. METHODS AND MATERIALS SHALL BE PER THE REQUIREMENTS OF SECTION 33 4100 OF THE PROJECT SPECIFICATIONS.	
1.91b	INSTALL 18-IN COURSE OF 12-IN (D50) RIPRAP AT STORM WATER OUTFALL. METHODS AND MATERIALS SHALL BE PER THE REQUIREMENTS OF SECTION 33 4100 OF THE PROJECT SPECIFICATIONS.	
1.92	APPROXIMATE 100-YEAR WSEL OF PROPOSED STORM WATER DETENTION FACILITY. SEE DRAINAGE AND DETENTION REPORT FOR ADDITIONAL DETAIL AND INFORMATION.	
1.93	PROPOSED PC CONCRETE SPILLWAY WITH 4:1 SIDE SLOPES. INSTALL 8-IN PC CONCRETE OVER 8-IN TYPE A AGGREGATE BASE. CONTRACTOR SHALL CONSTRUCT 8-IN x 24-IN CONCRETE CUT-OFF WALL AT PERIMETER OF SPILLWAY INSTALLATION.	

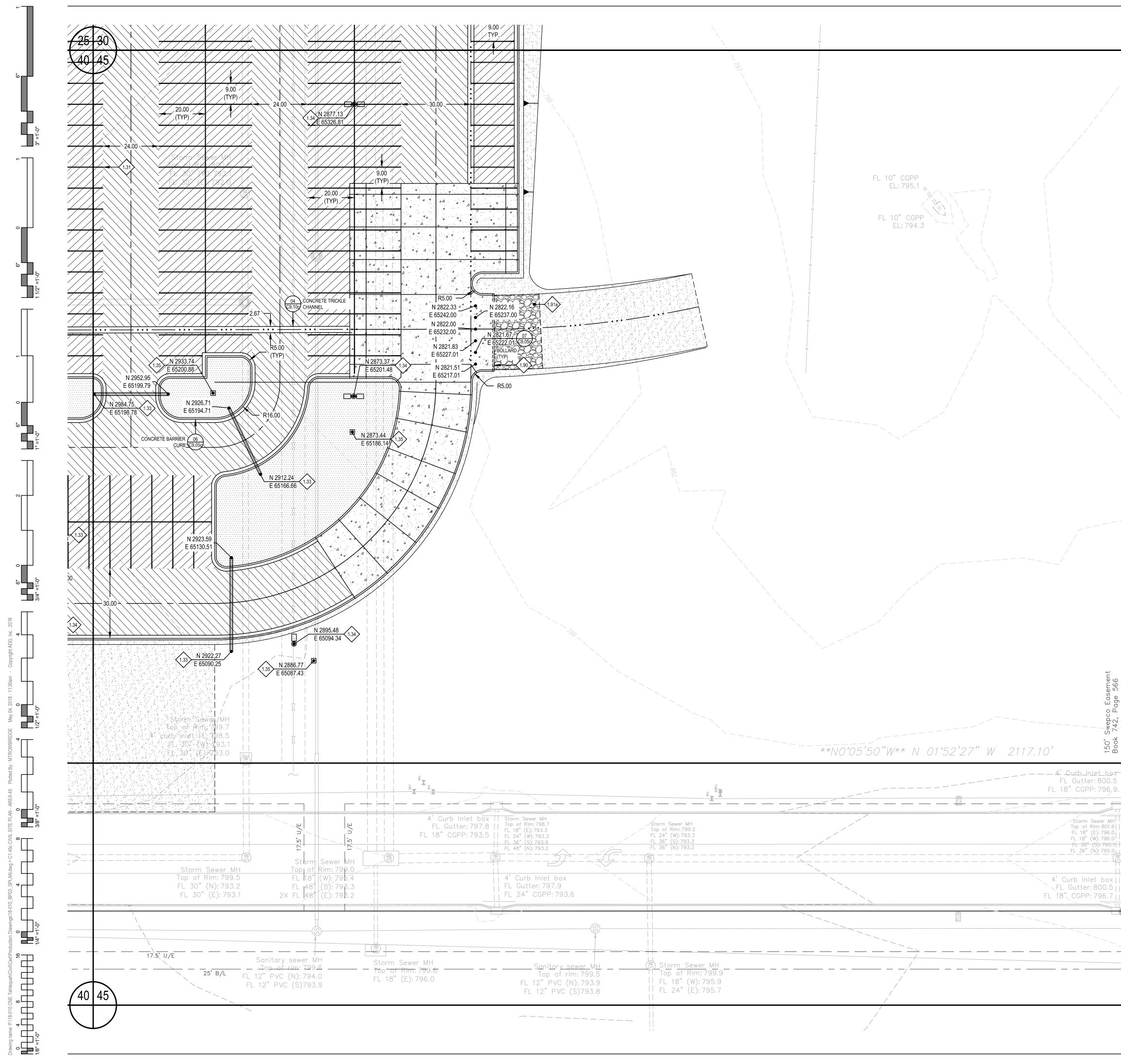
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RIGID ONLY

RIGIDONLY

PROPOSED PC CONCRETE SIDEWALK / PATIO PER 03/C9.05c. WORK TO BE PERFORMED PER SECTION 32 1313 OF THE PROJECT SPECIFICATIONS. SIDEWALK IMPROVEMENTS IN PUBLIC R/W SHALL BE PER CITY OF CITY OF TAHLEQUAH STANDARDS AND SPECIFICATIONS.

> HEAVY-DUTY PAVING SECTION FER 02/C9.15c AND SECTION 32 1216 / 32 1313 OF THE PROJECT SPECIFICATIONS IN THE EVENT THAT A RIGID PAVING SECTION IS SELECTED BY THE OWNER, CONTRACTOR TO PROVIDE FINAL JOINT LAYOUT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. EXPANSION AND CONTRACTION JOINTS TO BE CONSTRUCTED PER 04/C9.05c AND 05/C9.05c, RESPECTIVELY.

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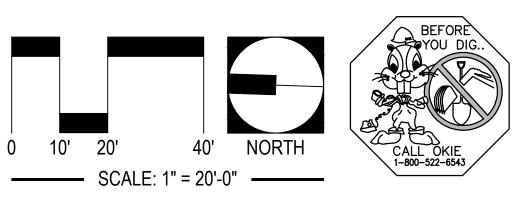
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