CHEROKEE NATION PROPERTY MANAGEMENT LLC CHEROKEE SPRINGS GOLF COURSE TAHLEQUAH OVERFLOW WEIR PART OF THE E/2 SECTION 9, T-16-N, R-22-E, CHEROKEE COUNTY, OKLAHOMA

CHEROKEE NATION Property Management

| | QUANTITIES FOR DRIVEWAY TO ADMINISTRATION OFFICES | | | | | | | | | |
|--------|---|-----|------|-------|--|--|--|--|--|--|
| ITEM | ITEM DESCRIPTION | | | | | | | | | |
| 202(A) | UNCLASSIFIED EXCAVATION | (1) | L.S. | 1 | | | | | | |
| 202(E) | SELECT BORROW | (6) | L.S. | 1 | | | | | | |
| 205(A) | TYPE A SALVAGED TOPSOIL | | L.S. | 1 | | | | | | |
| 221 | EROSION CONTROL | | L.S. | 1 | | | | | | |
| 230(A) | SOLID SLAB SODDING | | S.Y. | 2,000 | | | | | | |
| 303(A) | TYPE "A" AGGREGATE BASE | (2) | C.Y. | 80 | | | | | | |
| 509(B) | CLASS A CONCRETE FOR FLUMES, WEIR AND APRONS (6" THICK) | (3) | C.Y. | 160 | | | | | | |
| 619(A) | REMOVAL OF STRUCTURES AND OBSTRUCTIONS | (4) | L.S. | 1 | | | | | | |
| SPEC | TRAFFIC CONTROL | (5) | L.S. | 1 | | | | | | |
| SPEC | NEW 16' GATE (2 - 8' GATE SECTIONS) | | L.S. | 1 | | | | | | |

QUANTITY NOTES

- (1) COST TO INCLUDE HAULING OFF EXCESS EXCAVATION FROM SITE, TEMPORARY COFFER DAM INSTALLATION INCLUDING ANY DEWATERING NECESSARY
- (2) TYPE "A" AGGREGATE BASE 4" THICK UNDER CONCRETE FLUME ONLY.
- (3) COST TO INCLUDE ALL STEEL REINFORCING.
- (4) COST TO INCLUDE REMOVAL OF EXISTING CONCRETE FLUME AND ALL UNDERCUTTING TO REMOVE BEAVER DAN
- (5) COST TO INCLUDE ALL TEMPORARY DETOUR SIGNAGE AND CONSTRUCTION BARRIERS & ETC. FOR SOUTH PARK HILI ROAD.
- (6) BORROW MATERIAL FOR STRUCTURAL FILL CAN BE OBTAINED ONSITE FROM AREA TO THE WEST OF THE POND. MATERIAL REMOVED CAN BE USED TO FILL BORROW AREAS.

United States of America In Trust for Cherokee Nation Book 1166, Page 740

| EXISTING LEGEND | | CONTROL | POINT DATA | l l |
|------------------------------|---------|------------|--------------|-----------|
| | CONTROL | | COORDINATES | |
| CONTOUR MAJOR (EVERY 5 FEET) | POINT | NORTHING | EASTING | ELEVATION |
| | | 332,834.34 | 2,866,774.01 | 793.28 |
| - EXISTING ROAD | 2 | 335,207.63 | 2,866,922.43 | 812.89 |
| × EXISTING FENCE LINE | 3 | 333,727.78 | 2,864,525.60 | 807.39 |
| ROPOSED LEGEND | (4) | 331,011.19 | 2,866,840.74 | 820.91 |

- NEW CONCRETE WEIR

- NEW CONCRETE DRIVEWAY

- NEW CONCRETE FLUME

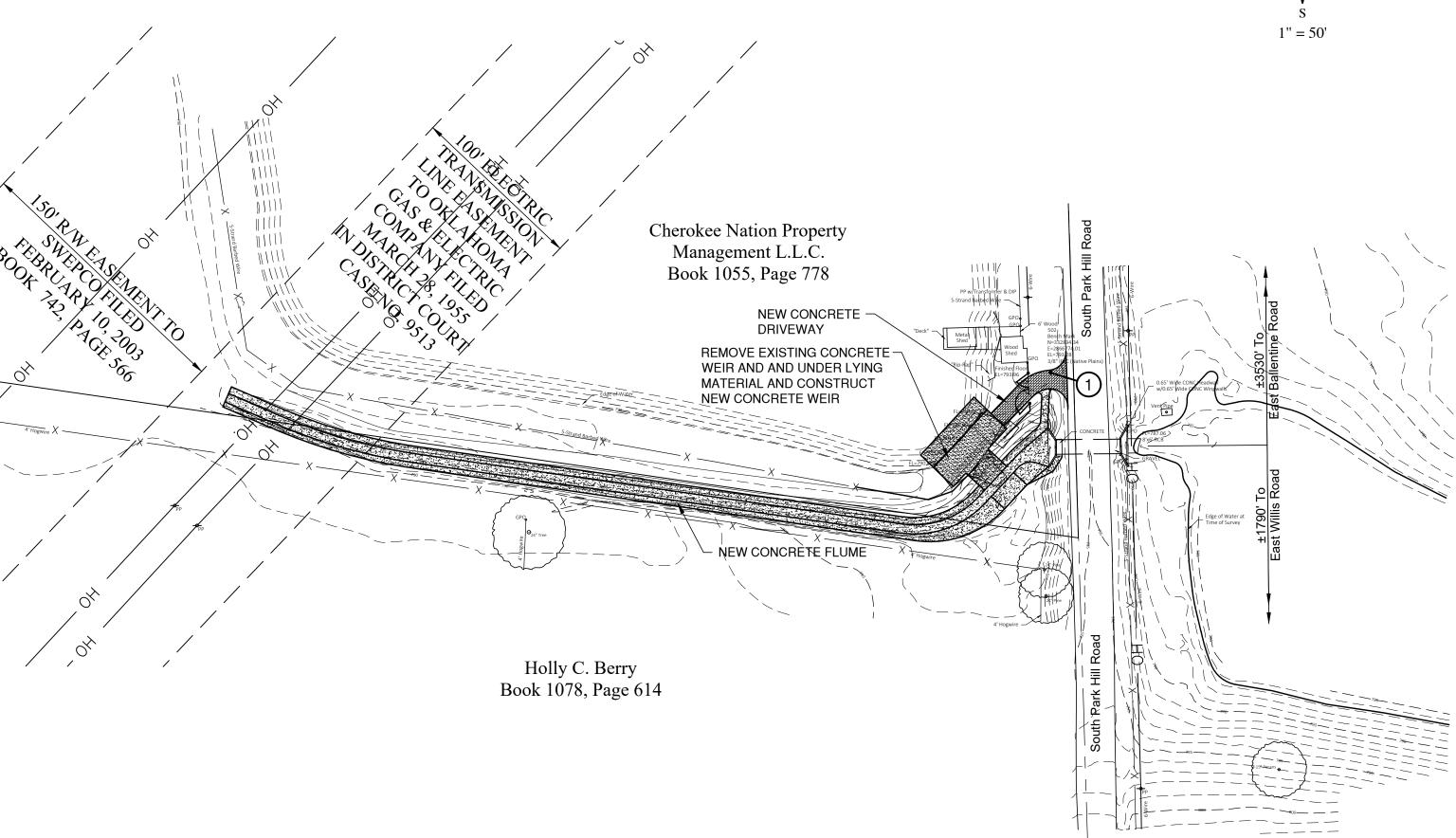
OWNER: Cherokee Nation Property Management L.L.C.

NEW STORM SEWER STRUCTURES



LOCATIONS OF UNDERGROUND UTILITIES WERE OBTAINED FROM THE UTILITY OWNERS. BEFORE DOING ANY WORK WITH HEAVY EQUIPMENT, THE CONTRACTOR YOU DIG ... SHALL NOTIFY THE UTILITY OWNERS OR "CALL OKIE 1-800-522-6543 (OKLAHOMA ONE-CALL)" NOT LESS THAN 48 HOURS IN CALL OKIE ADVANCE AND SHALL ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES.

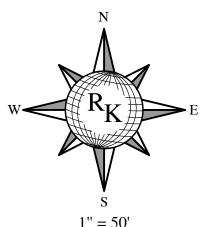
REVISIONS



CONTACT LIST

| | | | • | | |
|----------------|--------------------------------------|----------------|----------------|------------------------|---|
| NAME | COMPANY | PHONE NO | CELL NO | EMAIL ADDRESS | ADDRESS |
| Richard Kosman | RK & Associates PLC | (918) 277-4784 | (918) 277-4784 | rkosman@sbcglobal.net | 4815 South Harvard Avenue, Suite 290, Tul |
| Nathan Reed | Native Plains Surveying & Mapping | (918) 234-4859 | (918) 914-9250 | nathan@nativeplains.us | 5807 South Garnett Road, Stek, Tulsa, (|

| DATE | APPROVED | PROFESS / ONAL RICHARD L. KOSMAN 11234 OKLAHONN 21 | RK | RICHARD L. KOSMAN, PE. & ASSOCIATES PL CIVIL ENGINEERING 4815 South Harvard Ave. Ste. 290 Tulsa, OK. 74135 Phone: 918(277-4784) Email: rkosman@sbcglobal.net Certificate of Authority No. 4831 Expires June 30, 2023 |
|------|----------|--|----|--|



Sheet Index

| 1 | Cover Sheet |
|---|------------------------------------|
| 2 | Grading, Paving & Typical Sections |
| 3 | Blowup Plan |
| 4 | Details, Notes & Profiles |
| 5 | Soil Erosion Control Plan |
| 6 | Soil Erosion Control Details |

O.D.O.T. Standards

Solid Slab Sodding **Temporary Sediment Controls**

SSS-1-1 TSC2-3-2

BASIS OF BEARINGS

State Plane Coordinates NAVD 1988

ENGINEER

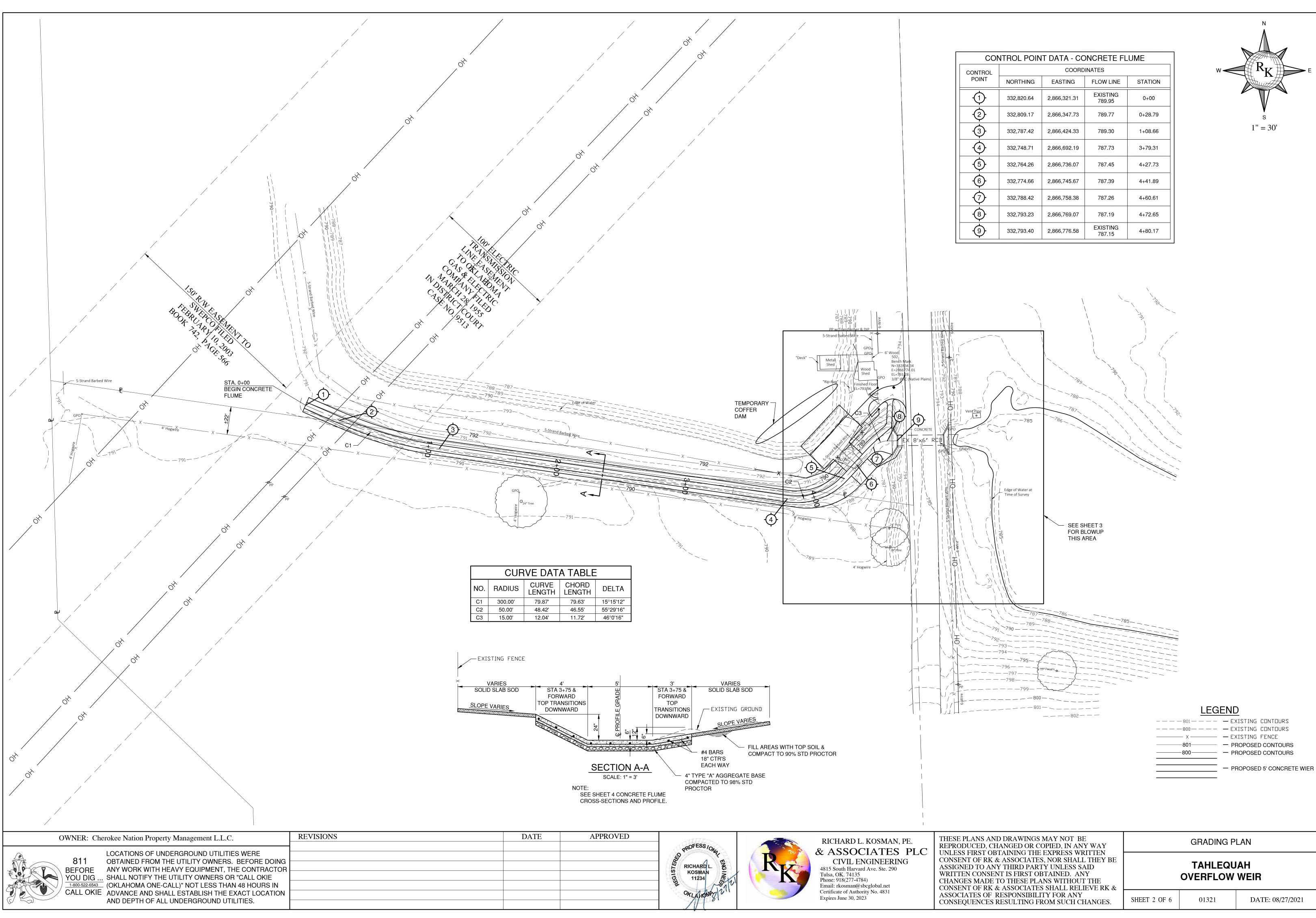
RK & Associates, PLC 4815 South Harvard Ave. Ste. 290 Tulsa, Oklahoma 74135 Phone: (918) 277-4784 e-mail: rkosman@sbcglobal.net Certificate of Authorization No. 4831 Expires June 30, 2023

OWNER

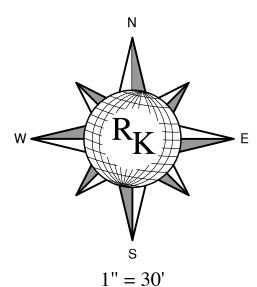
Cherokee Nation Property Management L.L.C. 777 Cherokee Drive Catoosa, OK 74135 Phone: (918) 384-7785

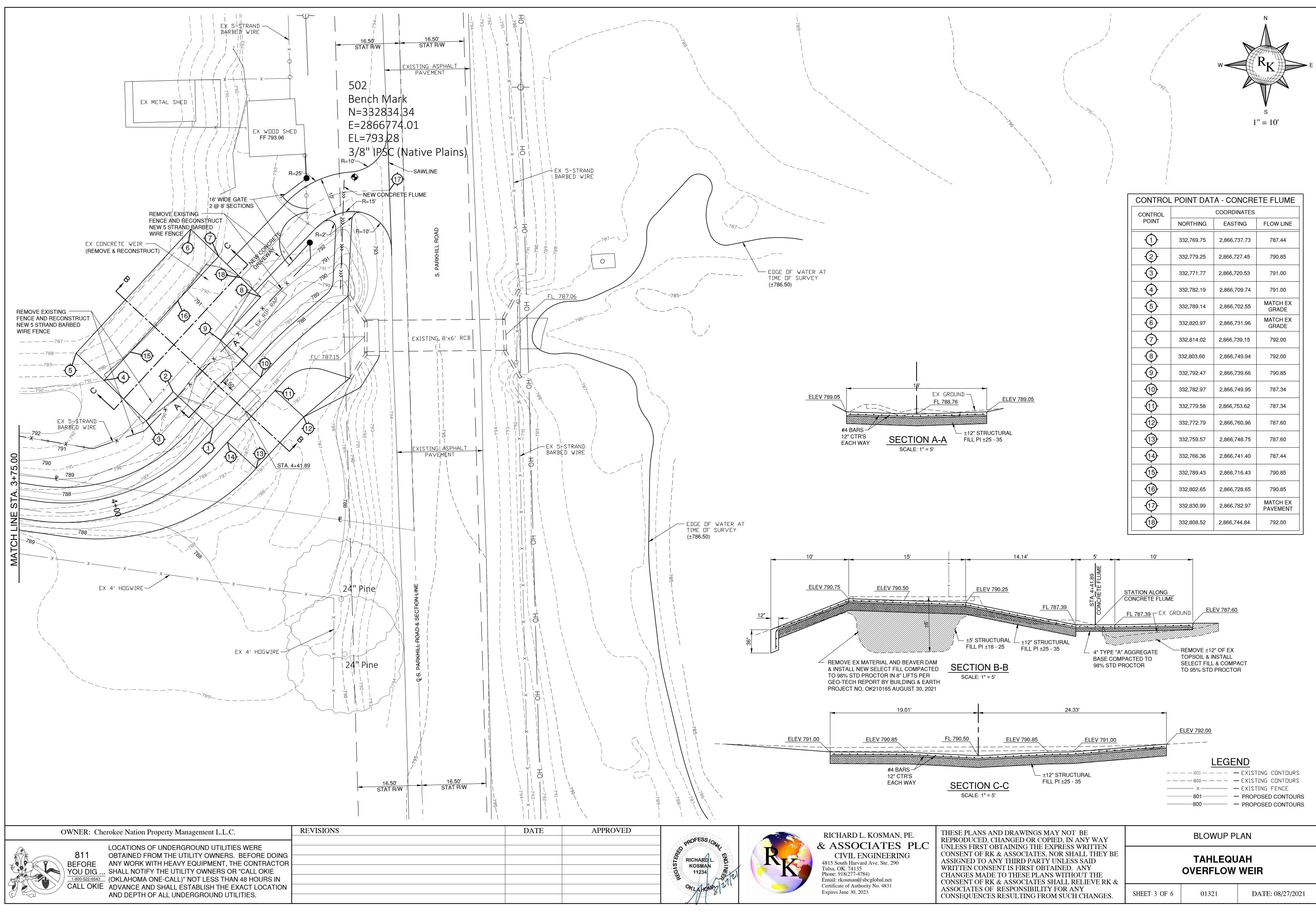
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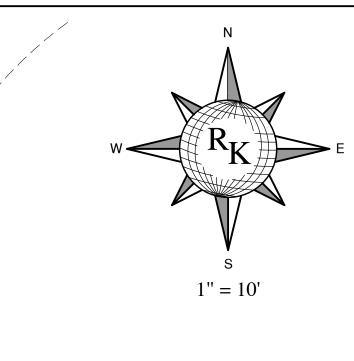
| LC | THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, CHANGED OR COPIED, IN ANY WAY UNLESS FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RK & ASSOCIATES, NOR SHALL THEY BE ASSIGNED TO ANY THIRD PARTY UNLESS SAID WRITTEN CONSENT IS FIRST OBTAINED. ANY CHANGES MADE TO THESE PLANS WITHOUT THE CONSENT OF RK & ASSOCIATES SHALL RELIEVE RK & ASSOCIATES OF RESPONSIBILITY FOR ANY CONSEQUENCES RESULTING FROM SUCH CHANGES. | COVER SHEET | | | |
|----------|---|----------------------------|-------|------------------|--|
| <i>L</i> | | TAHLEQUAH OVERFLOW WEIR | | | |
| | | SHEET 1 OF 6 | 01321 | DATE: 08/27/2021 | |



| CON | CONTROL POINT DATA - CONCRETE FLUME | | | | | | | | |
|------------|-------------------------------------|--------------|--------------------|---------|--|--|--|--|--|
| CONTROL | | COORD | INATES | | | | | | |
| POINT | NORTHING | EASTING | FLOW LINE | STATION | | | | | |
| 1 | 332,820.64 | 2,866,321.31 | EXISTING 789.95 | 0+00 | | | | | |
| 2 | 332,809.17 | 2,866,347.73 | 789.77 | 0+28.79 | | | | | |
| 3 | 332,787.42 | 2,866,424.33 | 789.30 | 1+08.66 | | | | | |
| 4 | 332,748.71 | 2,866,692.19 | 787.73 | 3+79.31 | | | | | |
| 5 | 332,764.26 | 2,866,736.07 | 787.45 | 4+27.73 | | | | | |
| - (6)- | 332,774.66 | 2,866,745.67 | 787.39 | 4+41.89 | | | | | |
| \bigcirc | 332,788.42 | 2,866,758.38 | 787.26 | 4+60.61 | | | | | |
| (§) | 332,793.23 | 2,866,769.07 | 787.19 | 4+72.65 | | | | | |
| ·9· | 332,793.40 | 2,866,776.58 | EXISTING 787.15 | 4+80.17 | | | | | |







| CONTROL POINT DATA - CONCRETE FLUME | | | | | | |
|-------------------------------------|------------|--------------|----------------------|--|--|--|
| CONTROL | | COORDINATES | | | | |
| POINT | NORTHING | EASTING | FLOW LINE | | | |
| 1 | 332,769.75 | 2,866,737.73 | 787.44 | | | |
| 2 | 332,779.25 | 2,866,727.45 | 790.85 | | | |
| 3 | 332,771.77 | 2,866,720.53 | 791.00 | | | |
| 4 | 332,782.19 | 2,866,709.74 | 791.00 | | | |
| -(5)- | 332,789.14 | 2,866,702.55 | MATCH EX GRADE | | | |
| 6 | 332,820.97 | 2,866,731.96 | MATCH EX GRADE | | | |
| \bigcirc | 332,814.02 | 2,866,739.15 | 792.00 | | | |
| (B) | 332,803.60 | 2,866,749.94 | 792.00 | | | |
| () () | 332,792.47 | 2,866,739.66 | 790.85 | | | |
| -10- | 332,782.97 | 2,866,749.95 | 787.34 | | | |
| -(1)- | 332,779.58 | 2,866,753.62 | 787.34 | | | |
| -12- | 332,772.79 | 2,866,760.96 | 787.60 | | | |
| -(13)- | 332,759.57 | 2,866,748.75 | 787.60 | | | |
| -14- | 332,766.36 | 2,866,741.40 | 787.44 | | | |
| -15- | 332,789.43 | 2,866,716.43 | 790.85 | | | |
| -16- | 332,802.65 | 2,866,728.65 | 790.85 | | | |
| 17 | 332,830.99 | 2,866,782.97 | MATCH EX PAVEMENT | | | |
| -(18)- | 332,808.52 | 2,866,744.84 | 792.00 | | | |

GRADING NOTES:

- 1. ALL GRADING AND EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND O.D.O.T. SPECIFICATIONS AND STANDARDS.
- 2. THE CONTRACTOR SHALL VERIFY UNDERGROUND & OVERHEAD UTILITY LOCATIONS BEFORE EXCAVATING.
- 3. ALL EXISTING USABLE TOPSOIL SHALL BE STRIPPED AND STOCKPILED IN AN AREA APPROVED BY THE OWNER AND RESPREAD AS DIRECTED BY OWNER.
- 4. CONTRACTOR SHALL PROVIDE WATER AS REQUIRED TO OBTAIN SPECIFIED COMPACTION REQUIREMENTS AND SHALL CONTACT THE CITY OF TAHLEQUAH FOR METER PERMITS.
- 5. SUBGRADE STABILIZATION FOR BOTH WEIR AND FLUME SHALL BE PER PLANS OR AS DIRECTED BY THE CONTRACTOR'S TESTING FIRM.
- 6. ENGINEER WILL NOT INTERPRET SOILS REPORTS OR ACCEPT RESPONSIBILITY FOR ALTERNATIVE METHODS PROPOSED BY THE CONTRACTOR.
- 7. ALL INDEPENDENT THIRD PARTY TESTING BY THE CONTRACTOR AND NOT THE OWNER.
- 8. CORRECTIVE MEASURES DIRECTED BY THE ENGINEER MAY INCLUDE COMPLETE REMOVAL AND REPLACEMENT AT NO COST TO THE OWNER IN CASES OF POOR WORKMANSHIP OR UNSATISFACTORY IN-PLACE CONDITIONS.
- 9. SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
- 10. ALL AREAS DISTURBED BY GRADING OR FILLING OPERATIONS SHALL RECEIVE 3" OF TOPSOIL TO FINAL GRADE. THE TOPSOIL SHALL BE WATER FLOODED, DRIED AND PROOF-ROLLED PRIOR TO PLACEMENT OF SOLID SLAB SOD.

GENERAL NOTES:

- 1. ALL GRADING AND CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE OKLAHOMA DEPARTMENT OF TRANSPORTATION 2009 STANDARD SPECIFICATIONS & STANDARDS. ALL CONSTRUCTION TESTING SHALL BE IN ACCORDANCE WITH OKLAHOMA DEPARTMENT OF TRANSPORTATION (O.D.O.T.) 2009 MATERIAL AND TESTING e-Guide, FIELD SAMPLING, TESTING AND ACCEPTED GUIDES . GRADING & COMPACTION & ANY SELECT MATERIAL FOR THE NEW OVERFLOW WEIR SHALL BE PER THE GEO-TECHNICAL REPORT.
- 2. CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OKLAHOMA 'ONE-CALL SYSTEM INC'. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS OR LATER THAN 72 HOURS (EXCLUDING SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS), PRIOR TO COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
- 3. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESES DRAWINGS AND WE ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OF THEIR DEPICTED LOCATION ON THESE DRAWINGS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN, AND ALL OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS BY VERIFICATION OF THEIR LOCATION IN THE FIELD PRIOR TO THE INITIATION OF THE ACTUAL PORTION OF THEIR WORK.
- 4. ALL CONSTRUCTION STAKING SHALL BE PERFORMED BY LICENSED SURVEYOR. ELECTRONIC DATA WILL BE MADE AVAILABLE TO THE SURVEYOR FOR HIS USE.
- 5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE TRIBAL, FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH, AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTIONS ON HIS OWN RESPONSIBILITY OR AS THE ENGINEER MANY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF THE WORK COVERED BY THE CONTRACT. THE CONTRACTOR SHALL COMPLY WITH THE LATEST OSHA REGULATIONS.
- 6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS REQUIRED.
- 7. ALL DIMENSIONS SHALL BE COORDINATED WITH ENGINEER. AN ELECTRONIC FORMAT WILL BE AVAILABLE TO SURVEYOR.
- 8. THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A DISCREPANCY OR INCONSISTENCY IS IDENTIFIED ON THE PLANS AND/OR SPECIFICATIONS IMMEDIATELY.

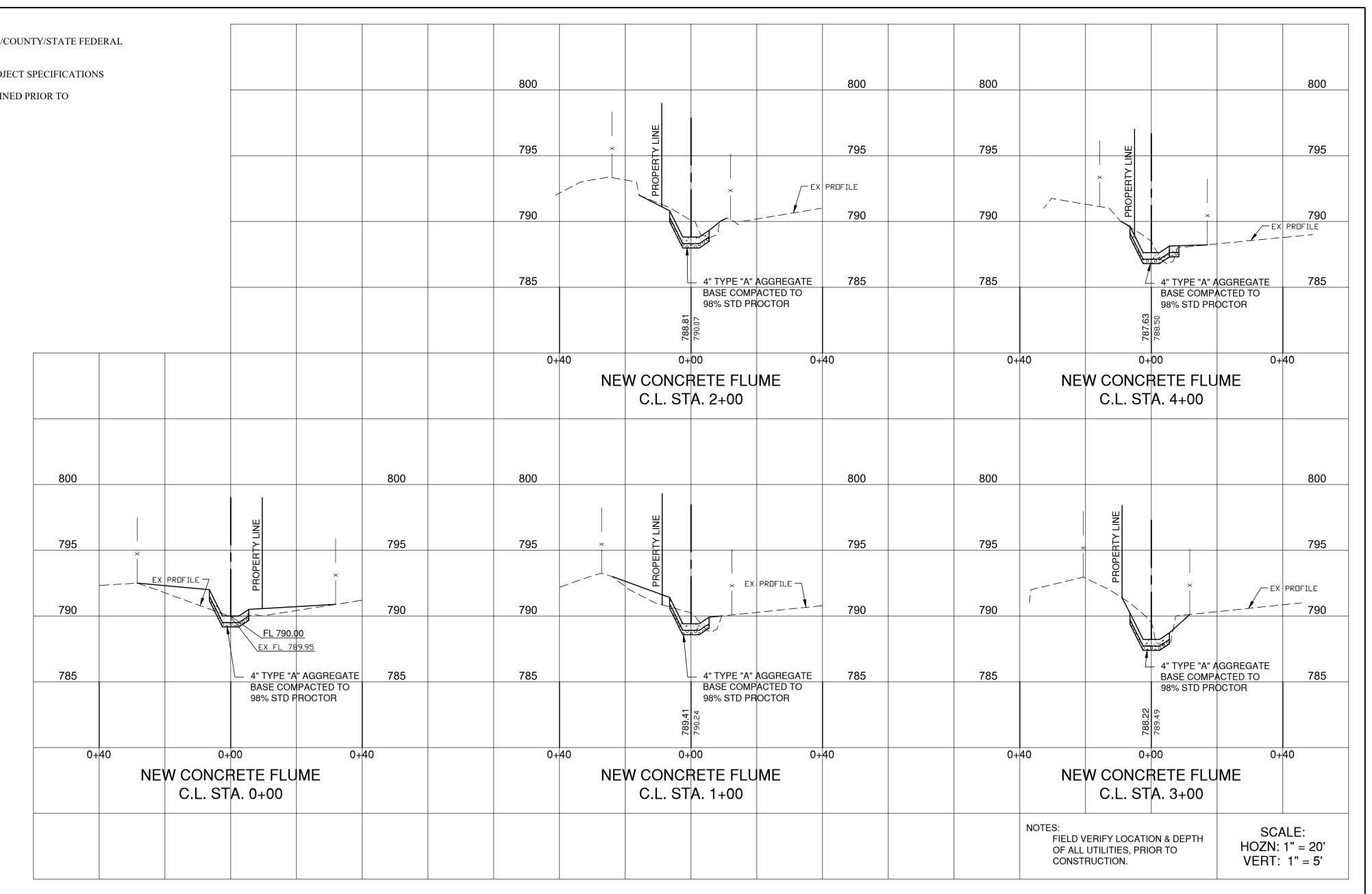
9. CONTRACTOR SHALL KEEP ON SITE A CURRENT SET OF THE APPROVED CONSTRUCTION WORKING DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL MARK (IN RED) ALL APPROVED CHANGES INCURRED FOLLOWING APPROVAL OF THE INITIAL DRAWINGS. THESE CHANGES MAY BE INITIATED FROM FIELD CONDITIONS OR CHANGES MADE BY THE DESIGN ENGINEER. EXCEPT FOR MINOR FIELD ADJUSTMENTS, ALL CHANGES SHALL BE REVIEWED AND AGREED TO BY THE DESIGN ENGINEER PRIOR TO FINAL APPROVAL OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT THE WORKING DRAWINGS TO THE DESIGN ENGINEER AFTER FINAL INSPECTION OF THE PROJECT TO SERVE AS A BASIS FOR DEVELOPMENT OF THE FINAL AS-BUILT RECORD DRAWINGS.

| SUBMIT THE WORKING DRAWINGS TO TH PROJECT TO SERVE AS A BASIS FOR DEVI | | | | | | | | | |
|---|-----------|---|--------------------------------|------------------|--------------|--------|---|--|--|
| 800 | | BARANCE AND | | | | | | | 800 |
| 795 | | A CONCRETE FL | | | | | | RFLOW NORTH STAT R/W C SOUTH PARK | 795 |
| 790 | STA. 0+00 | BEGIN | NEW 6" CONCRETE F | FLUME | | | | | 790 |
| 785 | | EX FL 789.95 | <u>ૡ૾૾ઌ૾૾ઌ૾૾ઌ૾ઌ૾ઌઌઌઌઌઌઌઌઌઌ</u> | | <u>0.59%</u> | | | | WATER ELEV 786.50 785 |
| | | | | | | BAS | PE "A" AGGREGATE COMPACTED TO STD PROCTOR | FL 787.15 STA. 4+80.17 END NEW CONCRETE | |
| 780 | | | 790.24 | 790.07 790.07 | | 789.49 | 787.63 | NOTES: FIELD VERIFY LOCATION & DEPTH OF ALL UTILITIES, PRIOR TO CONSTRUCTION. | 780 SCALE: HOZN: 1" = 20' VERT: 1" = 5' |
| | 0 | +00 1 | +00 | 2+00 | | 3+00 | 4+00 | | |

| | | | | | W CONCILLE | |
|--|-----------|------|----------|--|------------|---|
| OWNER: Cherokee Nation Property Management L.L.C. | REVISIONS | DATE | APPROVED | TERO | | RICHARD L. KOSMAN, PE. |
| 811 BEFORE YOU DIG 1-800-522-6543 CALL OKIE CALL OKIE BEFORE YOU DIG 1-800-522-6543 CALL OKIE CALL | | | | RICHARD L. HICHARD L. HICHARD L. KOSMAN 11234 OKLAHONNY 211 | RK | & ASSOCIATES PLC CIVIL ENGINEERING 4815 South Harvard Ave. Ste. 290 Tulsa, OK. 74135 Phone: 918(277-4784) Email: rkosman@sbcglobal.net Certificate of Authority No. 4831 Expires June 30, 2023 |

<u>SITE NOTES:</u>

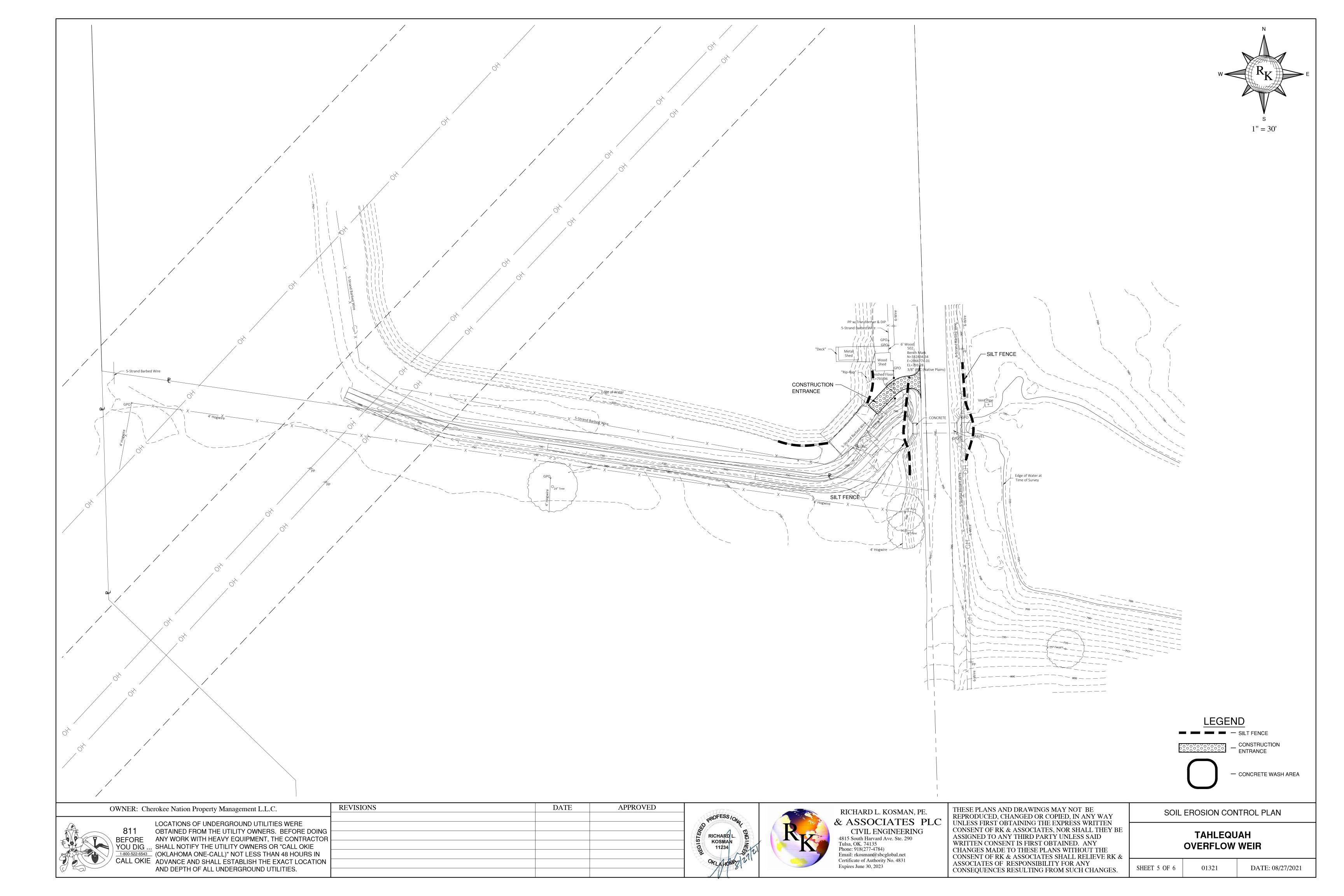
- 1. THE WORK AND MATERIAL SHALL COMPLY WITH ALL TRIBAL/CITY/COUNTY/STATE FEDERAL REGULATIONS CODES AND OSHA STANDARDS.
- 2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS
- 3. CONTRACTOR SHALL ENSURE ALL NECESSARY PERMITS ARE OBTAINED PRIOR TO CONSTRUCTION START.

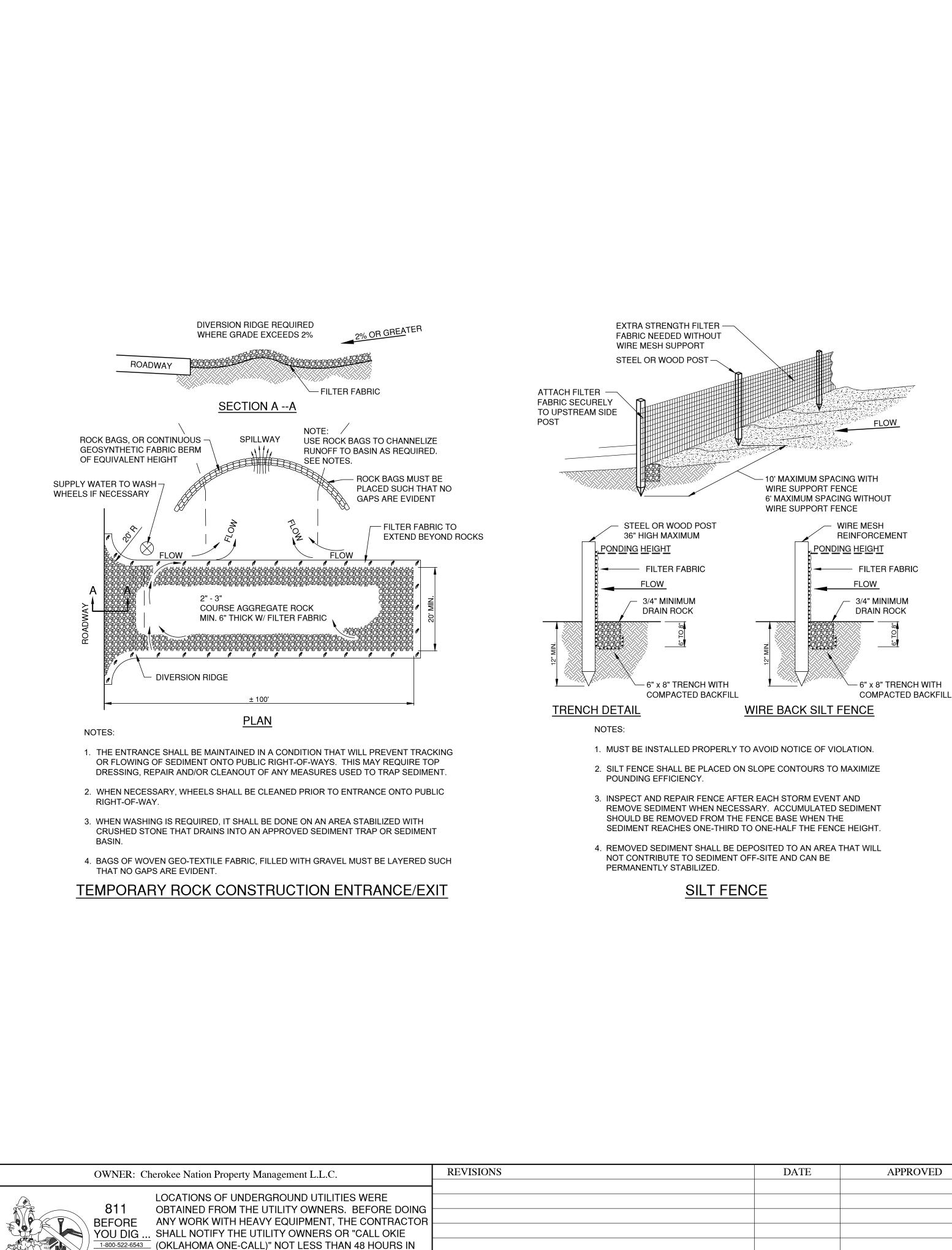


NEW CONCRETE FLUME CROSS-SECTIONS

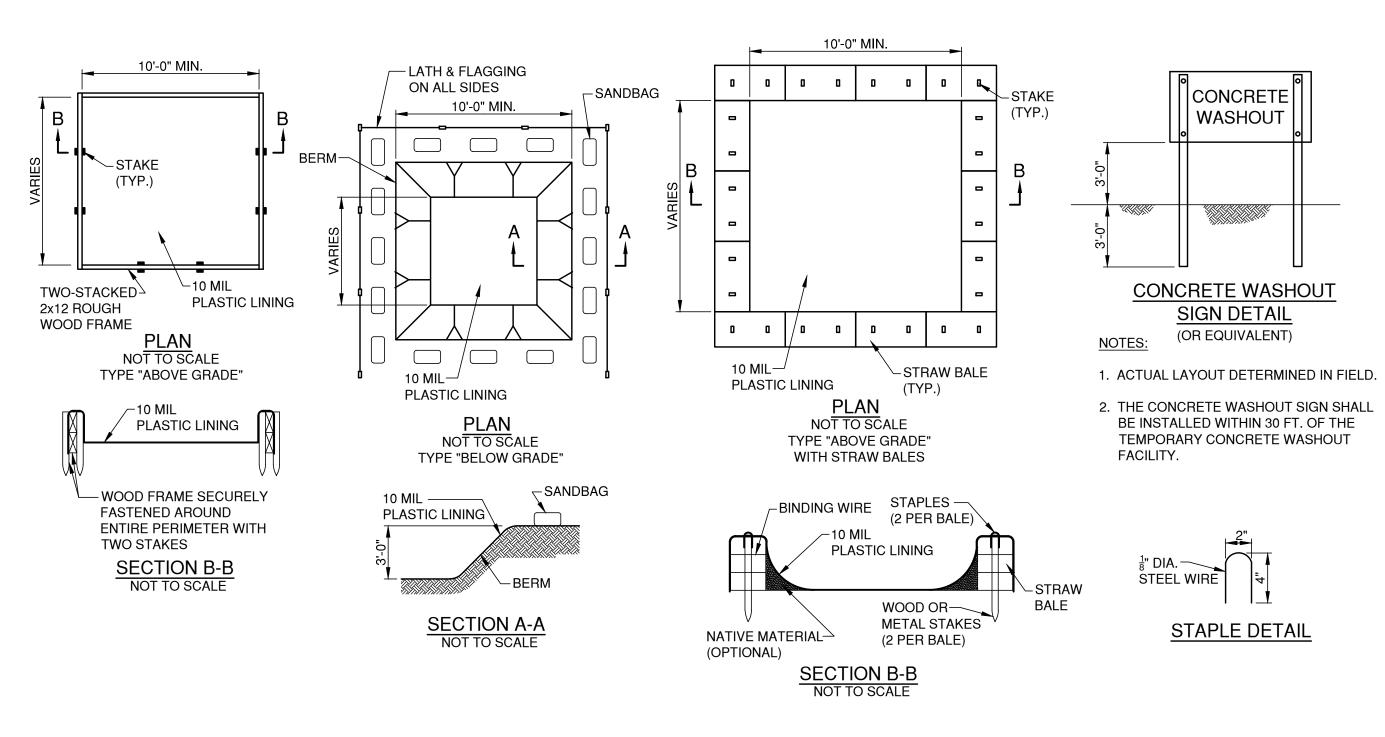
NEW CONCRETE FLUME PROFILE

| | 4+00 | | | | | |
|---|---|--------------|----------------------------|------------------|--|--|
| C | THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, CHANGED OR COPIED, IN ANY WAY UNLESS FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RK & ASSOCIATES, NOR SHALL THEY BE ASSIGNED TO ANY THIRD PARTY UNLESS SAID WRITTEN CONSENT IS FIRST OBTAINED. ANY CHANGES MADE TO THESE PLANS WITHOUT THE CONSENT OF RK & ASSOCIATES SHALL RELIEVE RK & ASSOCIATES OF RESPONSIBILITY FOR ANY CONSEQUENCES RESULTING FROM SUCH CHANGES. | DETA | DETAILS, NOTES & PROFILES | | | |
| Ľ | | | TAHLEQUAH OVERFLOW WEIR | | | |
| | | SHEET 4 OF 6 | 01321 | DATE: 08/27/2021 | | |





CALL OKIE ADVANCE AND SHALL ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES.



ONSITE TEMPORARY CONCRETE WASHOUT FACILITY, TRANSIT TRUCK WASHOUT PROCEDURES

- 1. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE LOCATED A MINIMUM OF 50 FT. FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES AND WATERCOURSES. EACH FACILITY SHOULD BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
- 2. A SIGN SHOULD BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
- 3. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE CONSTRUCTED ABOVE GRADE OR BELOW GRADE AT THE OPTION OF THE CONTRACTOR. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
- 4. TEMPORARY WASHOUT FACILITIES SHOULD HAVE A TEMPORARY PIT OR BERMED AREAS OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS GENERATED DURING WASHOUT PROCEDURES.
- 5. WASHOUT OF CONCRETE TRUCKS SHOULD BE PERFORMED IN DESIGNATED AREAS ONLY.
- 6. ONLY CONCRETE FROM MIXER TRUCK CHUTES SHOULD BE WASHED INTO CONCRETE WASHOUT.
- 7. CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OF OFFSITE.
- 8. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED AND DISPOSED OF OFFSITE IN A LEGAL MANNER. DISPOSE OF HARDENED CONCRETE ON A REGULAR BASIS.
- 9. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE ABOVE GRADE)
 - a. TEMPORARY WASHOUT FACILITY (TYPE ABOVE GRADE) SHOULD BE CONSTRUCTED AS SHOWN IN THE DETAILS ON THIS SHEET WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10 FT., BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
 - b. STRAW BALES, WOOD STAKES AND SANDBAG MATERIALS SHOULD CONFORM TO THE PROVISIONS IN THE EROSION AND SEDIMENT CONTROL PLAN.
 - c. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
- 10. TEMPORARY CONCRETE WASHOUT FACILITY (TYPE BELOW GRADE)
 - a. TEMPORARY WASHOUT FACILITY (TYPE BELOW GRADE) SHOULD BE CONSTRUCTED AS SHOWN IN THE DETAILS ON THIS SHEET WITH A RECOMMENDED MINIMUM LENGTH AND MINIMUM WIDTH OF 10 FT., BUT WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
 - b. LATH AND FLAGGING SHOULD BE COMMERCIAL TYPE.
 - c. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.

| DATE | APPROVED | | RICHARD L. KOSMAN, PE. |
|------|----------|-----------------|--|
| | | - DPROFESSIONAL | & ASSOCIATES PLO |
| | | RICHARDL. | CIVIL ENGINEERING 4815 South Harvard Ave. Ste. 290 |
| | | KOSMAN 11234 | Tulsa, OK. 74135 Phone: 918(277-4784) |
| | | OKLAHOWAY 21 | Email: rkosman@sbcglobal.net Certificate of Authority No. 4831 Expires June 30, 2023 |
| | | After . | |

CONCRETE WASHOUT DETAILS

REMOVAL OF TEMPORARY CONCRETE WASHOUT FACILITIES

- 1. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED SHALL BE REMOVED AND DISPOSED OF. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF
- 2. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED AND REPAIRED.

INSPECTION AND MAINTENANCE

- 1. INSPECT AND VERIFY THAT ACTIVITY-BASED BMPS ARE IN PLACE PRIOR TO THE COMMENCEMENT OF ASSOCIATED ACTIVITIES. WHEN ACTIVITIES ASSOCIATED WITH THE BMP ARE UNDER WAY, INSPECT WEEKLY DURING THE RAINY SEASON AND AT TWO WEEK INTERVALS IN THE NON-RAINY SEASON TO VERIFY CONTINUED BMP IMPLEMENTATION.
- 2. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4 INCHES FOR ABOVE GRADE FACILITIES AND 12 INCHES FOR BELOW GRADE FACILITIES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHALL BE REMOVED AND DISPOSED OF.
- 3. WASHOUT FACILITIES SHALL BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.

| THESE PLANS AND DRAWINGS MAY NOT BE REPRODUCED, CHANGED OR COPIED, IN ANY WAY | SOIL EROSION CONTROL DETAILS | | | |
|--|------------------------------|-------|------------------|--|
| UNLESS FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF RK & ASSOCIATES, NOR SHALL THEY BE ASSIGNED TO ANY THIRD PARTY UNLESS SAID WRITTEN CONSENT IS FIRST OBTAINED. ANY CHANGES MADE TO THESE PLANS WITHOUT THE CONSENT OF RK & ASSOCIATES SHALL RELIEVE RK & | TAHLEQUAH OVERFLOW WEIR | | | |
| ASSOCIATES OF RESPONSIBILITY FOR ANY CONSEQUENCES RESULTING FROM SUCH CHANGES. | SHEET 6 OF 6 | 01321 | DATE: 08/27/2021 | |