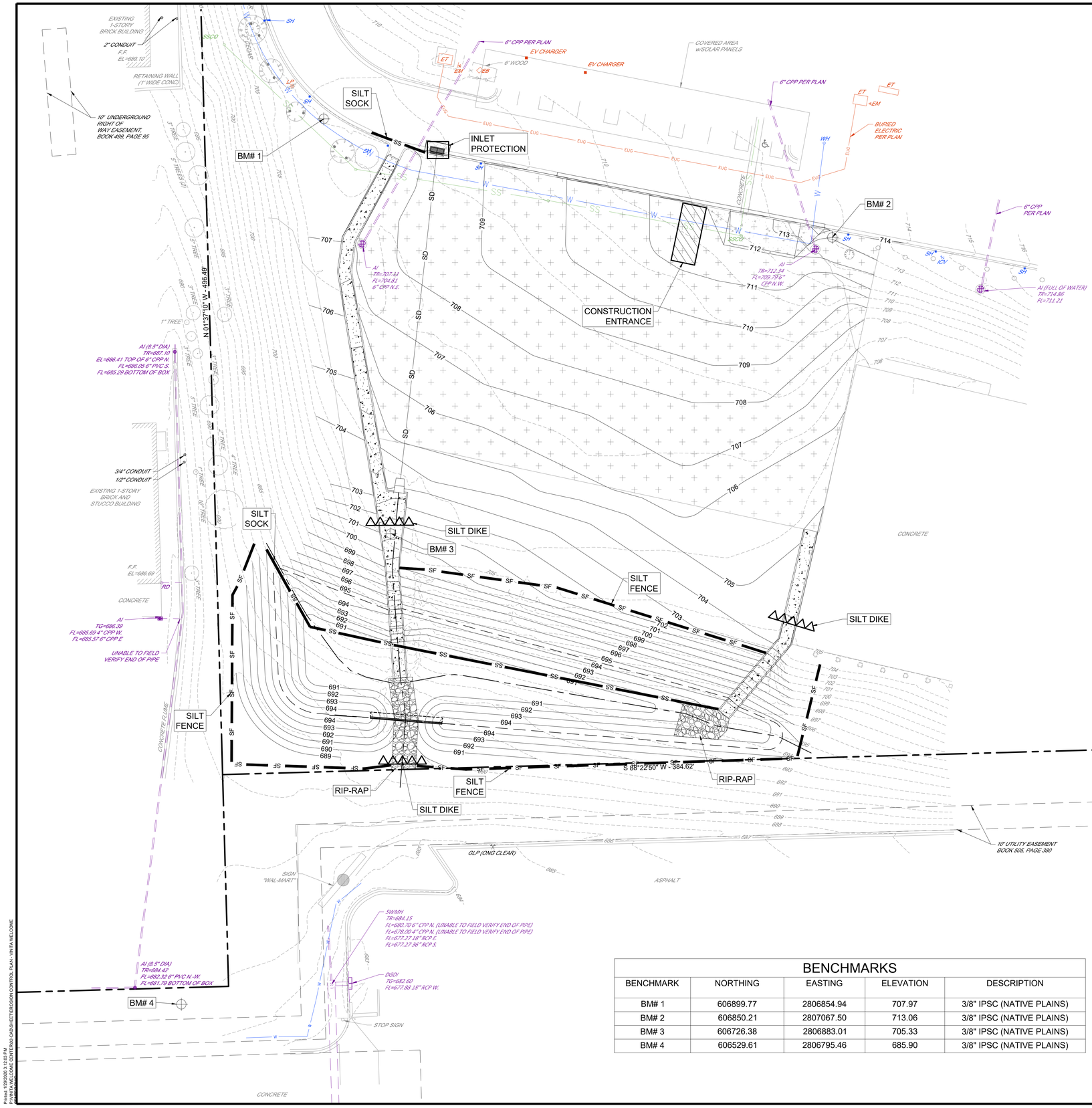

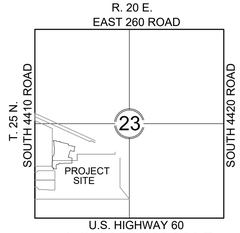

LOCATION MAP

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL CONTACT "OKIE" AT 811 OR 800-552-6543, THREE (3) WORKING DAYS BEFORE BEGINNING ANY WORK, SO EXISTING UNDERGROUND UTILITIES MAY BE LOCATED AND MARKED.
2. THE EROSION CONTROL PLAN WILL INCORPORATE EROSION CONTROL MEASURES AND TECHNIQUES TO PREVENT SEDIMENT AND ERODED SOIL FROM LEAVING THE SITE EITHER IN THE EXISTING STORM DRAIN SYSTEM OR ONTO ADJACENT PRIVATE AND PUBLIC PROPERTY. CONSTRUCT TEMPORARY EROSION CONTROL SYSTEMS AS SHOWN ON THE PLANS TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM EROSION AND SEDIMENTATION. CONTRACTOR SHALL NOTIFY THE CIVIL ENGINEER AT ONCE IF SITE CONDITIONS WARRANT ADDITIONAL EROSION CONTROL MEASURES. CONTRACTOR IS RESPONSIBLE FOR TAKING IMMEDIATE ACTION TO REMEDY EROSION CONTROL MEASURES WHILE ENGINEER IS PREPARING RESPONSE.
3. ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY GROUND DISTURBING ACTIVITIES.
4. THE APPROPRIATE EROSION CONTROL DEVICE(S) SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY AND SHALL BE PROPERLY MAINTAINED AND/OR OPERATED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. SILT FENCE SHOWN ON PLANS IS A SUGGESTED LAYOUT. IF CONDITIONS WARRANT, THE CONTRACTOR MAY SUBMIT AN ALTERNATE EROSION CONTROL PLAN TO THE CONSULTING ENGINEER FOR APPROVAL.
5. SEDIMENT COLLECTED BEHIND THE SILT FENCES OR SEDIMENT BARRIER SHALL BE REMOVED WHEN SEDIMENT REACHES ONE THIRD THE HEIGHT OF THE BARRIER.
6. SEDIMENT FILTERS AND SILT FENCES SHALL BE INSPECTED AND MAINTAINED NO LESS THAN WEEKLY AND/OR WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.5 INCHES OR MORE. MAINTENANCE SHALL INCLUDE BUT IS NOT LIMITED TO SEDIMENT REMOVAL, BARRIER REPAIR AND/OR REPLACEMENT.
7. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, PERIODICALLY WATER THE SITE TO CONTROL DUST.
8. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED FOLLOWING CONSTRUCTION OR UPON PERMANENT STABILIZATION OF THE DISTURBED AND GRADED AREAS, WHICHEVER OCCURS LAST.
9. ALL DISTURBED GRASS AREAS WITHIN THE CONSTRUCTION AREA SHALL BE REPAIRED OR REPLACED AND SHALL MEET OR EXCEED PRE DEVELOPMENT CONDITIONS.
10. THE SILT FENCE SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION AND DEBRIS REMOVAL HAS BEEN COMPLETED AND PERMANENT EROSION CONTROL MEASURES ARE IN PLACE.
11. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAYS SHALL BE REMOVED IMMEDIATELY.
12. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL BE ADEQUATELY CONTAINED THROUGH THE USE OF SEEDING, MULCH OR SILT FENCE.
13. WHERE CONSTRUCTION OR LAND DISTURBING ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.
14. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE OR CATCH BASIN.
15. PERMANENT EROSION CONTROL MEASURES SUCH AS SEEDING AND/OR SODDING SHALL TAKE PLACE AS SOON AS POSSIBLE AFTER FINAL GRADING OPERATIONS HAVE BEEN COMPLETED.
16. ALL EROSION CONTROL MEASURES TO BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN OR AS DIRECTED BY THE CONSULTING ENGINEER TO MINIMIZE SILT RUNOFF.

BENCHMARKS

BENCHMARK	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM# 1	606899.77	2806854.94	707.97	3/8" IPSC (NATIVE PLAINS)
BM# 2	606850.21	2807067.50	713.06	3/8" IPSC (NATIVE PLAINS)
BM# 3	606726.38	2806883.01	705.33	3/8" IPSC (NATIVE PLAINS)
BM# 4	606529.61	2806795.46	685.90	3/8" IPSC (NATIVE PLAINS)

EROSION CONTROL LEGEND

- CONSTRUCTION ENTRANCE RE: 2/CS501
- SF — SILT FENCE RE:1/CS501
- SS — SILT SOCK RE: 4/CS501
- SILT DIKE RE: 5/CS501
- INLET PROTECTION RE: 3/CS501
- TYPE 1 PLAIN RIP-RAP (D50 > 0.80 FT. - 18" THICK) RE: 6/CS501

TOTAL DISTURBED AREA
1.25 ACRES

LICENSED PROFESSIONAL ENGINEER
BILLY COX
23063
OKLAHOMA
02-24-2026

BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

20 10 0 20
SCALE: 1" = 20'

BEFORE YOU DIG CALL OKIE 811

BY	REVISION	DATE

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

EROSION CONTROL PLAN

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS
953 E. ILLINOIS AVE.
VINITA, OK 74301

DRAWN BY:	ST
APPV. BY:	BC
DATE:	01/28/2026

SHEET CE101

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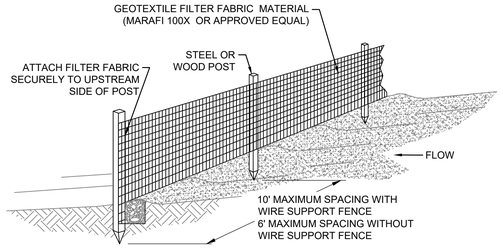
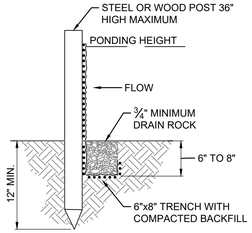


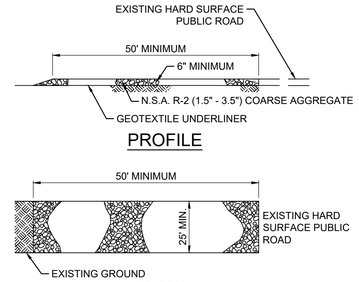


TRENCH DETAIL

FABRIC FILTER SILT FENCE NOTES:

1. MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE POUNDING EFFICIENCY.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

1 SILT FENCE
SCALE: NOT TO SCALE



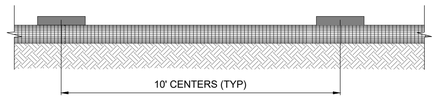
PROFILE

PLAN

DETAIL NOTES:

1. STONE SIZE SHALL BE N.S.A. R-2 (1.5" TO 3.5") COARSE AGGREGATE WITH A GEOTEXTILE UNDERLINER.
2. LENGTH-AS EFFECTIVE. BUT NO LESS THAN 50 FEET.
3. THICKNESS-NOT LESS THAN SIX (6) INCHES.
4. WIDTH-NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS, OR AS INDICATED ON THE PLAN.
5. WASHING-WHEN NECESSARY. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATER-COURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
6. MAINTENANCE-THE ENTRANCE/EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.

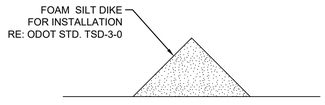
2 CONSTRUCTION ENTRANCE
SCALE: NOT TO SCALE



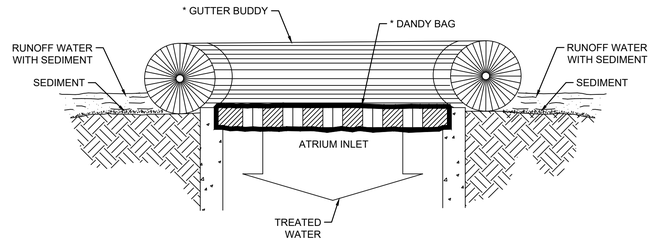
DETAIL NOTE:

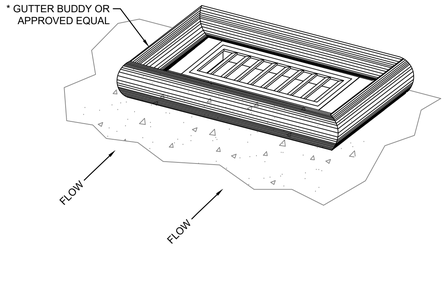
SILT SOCK MUST BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL SEEDING IS IN PLACE OR 75% VEGETATION STABILIZATION IS OBTAINED IN THE TRIBUTARY AREA.

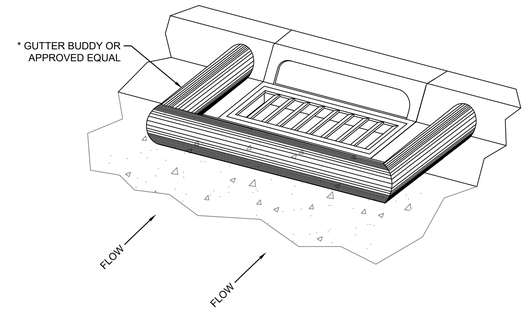
4 SILT SOCK
SCALE: NOT TO SCALE



5 SILT DIKE
SCALE: NOT TO SCALE







3 SEDIMENT INLET FILTER
SCALE: NOT TO SCALE

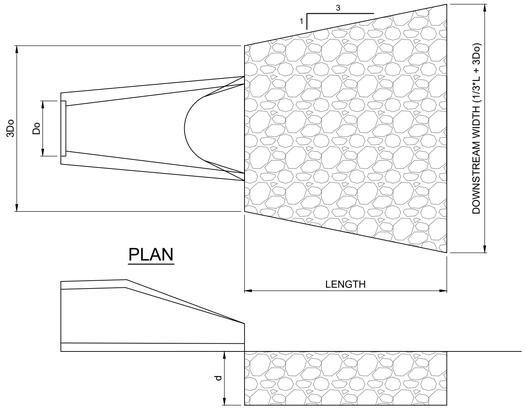
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

* GUTTERBUDDY SYNTHETIC FIBER CURB INLET & DITCH PAVEMENT FILTER AT 12' LONG SI GEOSOLUTIONS - 6025 LEE HIGHWAY, SUITE 435, CHATTANOOGA, TN 37421 (800) 621-0444 PHONE, (423) 899-7619 FAX - WWW.SIGEOSOLUTIONS.COM
* DANDY BAG SLIPOVER SYNTHETIC FIBER BAG FOR FLAT GRATES AND MOUNTABLE CURBS TO DETAIN SEDIMENT LADEN STORMWATER. MANUFACTURER: TED CATE NICOLON, 365 SOUTH HOLLAND DRIVE PENDERGRASS, GEORGIA 30567 USA OR WWW.TCNICOLON.COM 1(888) 795-0808 PHONE, 1(706) 693-4400 FAX

RIPRAP DESIGN GUIDELINE FOR CULVERT OUTLETS						
OUTFLOW VELOCITY (FT/SEC)	RIPRAP D50 (FT)	LENGTH OF RIPRAP IN FT		RIPRAP THICKNESS	FILTER THICKNESS	RIPRAP TYPE
		FOR PIPE CULVERT	FOR BOX CULVERT			
6-9	> 0.50	2.5 x DIA.	3 x RISE	12 IN	0 IN	TYPE 1 PLAIN
10-15	> 0.80	5 x DIA.	6 x RISE	18 IN	0 IN	TYPE 1 PLAIN
16-24	> 1.20	7.5 x DIA.	9 x RISE	24 IN	6 IN	TYPE 1 PLAIN
OVER 24	> 1.50	10 x DIA.	12 x RISE	30 IN	12 IN	TYPE 4 GROUTED
ODOT ROADWAY DRAINAGE MANUAL, NOVEMBER 2014 FIGURE 11.8-A-RIPRAP DESIGN GUIDLINE FOR CULVERT OUTLETS.						

NOTE: THE ABOVE TABLE IS A DESIGN GUIDELINE. FOR ACTUAL RIPRAP DIMENSIONS REFER TO TABLE ON XX##.



PLAN

SECTION

NOTE: REFERENCE ODOT 2019 SPECIFICATIONS SECTION 601 FOR RIPRAP REQUIREMENTS.

6 RIPRAP DETAIL
SCALE: NOT TO SCALE

BILLY COX
LICENSED PROFESSIONAL ENGINEER
23063
OKLAHOMA
02-24-2026
BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

BEFORE YOU DIG
811
CALL OKIE

DATE	REVISION	BY

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

EROSION CONTROL DETAILS

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS

953 E. ILLINOIS AVE.
VINITA, OK 74301

DRAWN BY:	ST
APPV. BY:	BC
DATE:	01/28/2026

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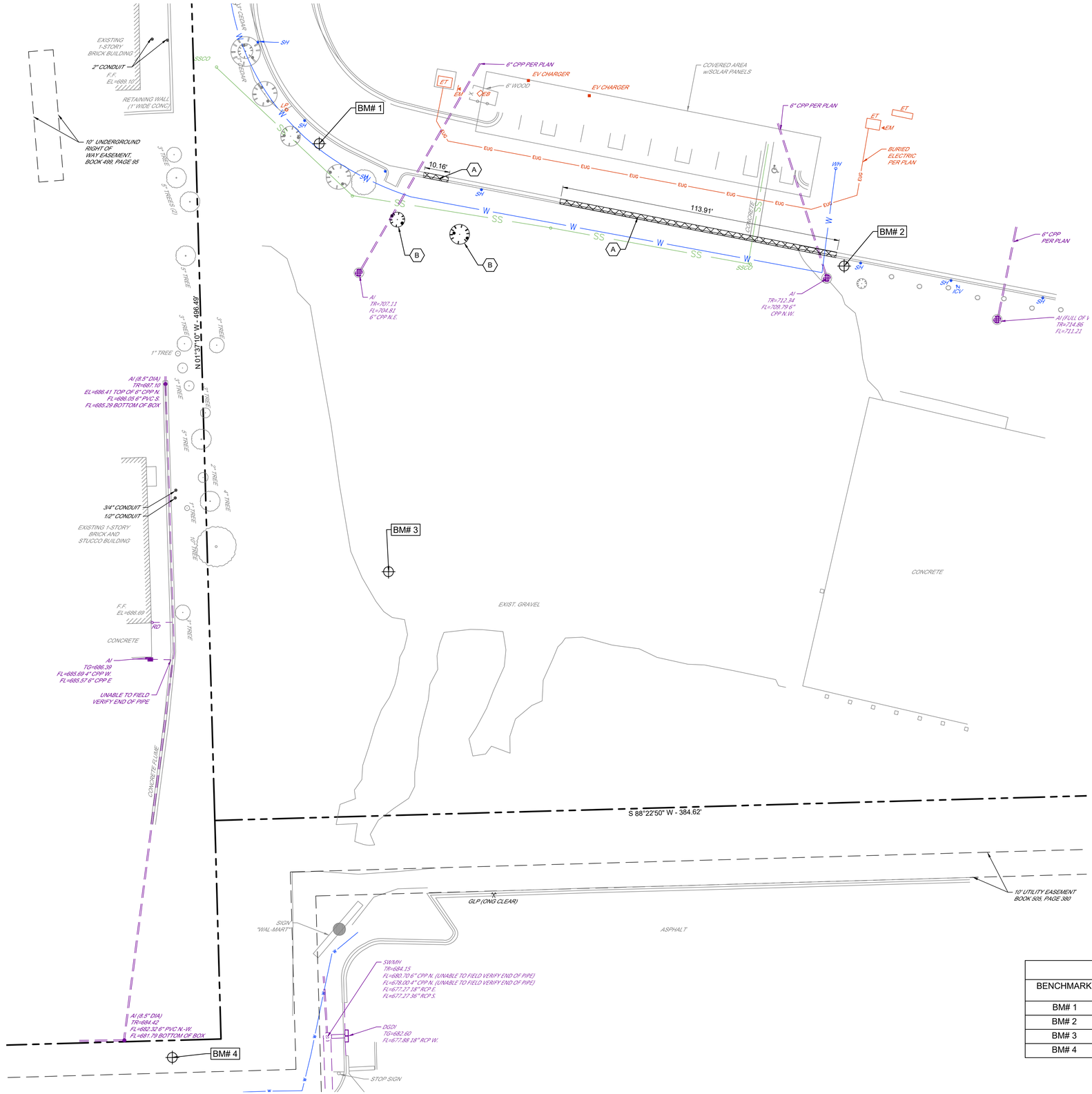

DEMOLITION PLAN NOTES

1. PRIOR TO ANY WORK, CONTRACTOR SHALL CONTACT THE OKLAHOMA ONE-CALL SYSTEM, 1-800-522-6543, TO LOCATE EXISTING UTILITIES. PHONE BETWEEN 10 DAYS AND 48 HOURS PRIOR TO COMMENCEMENT OF WORK, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS.
2. CONTRACTOR SHALL ABIDE BY ALL FEDERAL, STATE, AND LOCAL CODES FOR THE DEMOLITION AND DISPOSAL OF ALL MATERIALS.
3. ENGINEER SHALL NOT BE LIABLE FOR ANY DEMOLITION PROCEDURES, SCHEDULING, AND DISPOSAL OF ANY MATERIALS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL TRASH AND BUILDING MATERIALS. ALL WASTE MATERIAL GENERATED BY DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE HAULED OFF-SITE TO A LEGAL DUMP SITE AND DEPOSITED AT THE CONTRACTORS EXPENSE. THE HAUL ROUTE SHALL BE MAINTAINED FREE OF DEBRIS, MUD, ROCK, AND TRASH AT ALL TIMES.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SURE THAT ADJACENT PROPERTY IS NOT DAMAGED AND IS ACCESSIBLE AT ALL TIMES, AND THAT CONSTRUCTION DOES NOT CREATE ANY HARDSHIP TO LAND OWNERS ADJACENT TO THE CONSTRUCTION SITE.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
7. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE DISCONNECTION, REMOVAL AND RELOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING BUILDINGS PRIOR TO DEMOLITION OF THE BUILDINGS.
9. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER WITH ONSITE LOCATIONS OF EXISTING UTILITIES.
10. ALL UTILITIES SUCH AS ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
11. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO DEMOLITION.
12. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS. IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPLACEMENT.
13. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATERMAIN SHUT-OFFS WITH THE UTILITY PROVIDED DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATERLINE SHUT-OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
14. IF ANY ABANDONED SEPTIC TANKS ARE FOUND PRESENT WITHIN THE LIMITS OF DISTURBANCE THEY SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.
15. IF THE CONTRACTOR FINDS ANY UNDERGROUND TANKS ON SITE, THEY SHALL CONTACT THE ENGINEER IMMEDIATELY.
16. ALL WELLS SHALL BE CAPPED AND CLOSED IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL LAW.
17. ALL REMOVED AND SALVAGED ITEMS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OR REQUESTED BY THE OWNER.
18. THE CONTRACTOR SHALL USE PERIODIC WETTING AND OR WATERING WITHIN LIMITS OF CONSTRUCTION TO CONTROL DUST AND DIRT CAUSED BY DEMOLITION WORK OR HIGH WINDS.
19. ALL EXISTING PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, FOUNDATIONS, ETC. SHOWN TO BE DEMOLISHED ARE TO BE REMOVED TO FULL DEPTH.
20. ANY CAVITIES LEFT BY STRUCTURES, FOUNDATIONS, OR TREE STUMP REMOVAL SHALL BE BACK FILLED AND COMPACTED PER THE SPECIFICATIONS, OR AS INSTRUCTED BY THE ENGINEER OF RECORD.
21. ANY DAMAGE TO EXISTING ITEMS NOT INCLUDED IN SCOPE OF THE WORK SHALL BE REPLACED TO NEW CONDITION BY CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
22. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AND/OR RELOCATED AS NECESSARY BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER WHETHER SHOWN ON THE PLANS OR NOT.

DEMOLITION KEY NOTES

(A) REMOVE CURB AND GUTTER, SAWCUT TO FULL DEPTH

(B) REMOVE TREES

DEMOLITION LEGEND

CURB AND GUTTER OF DEMOLITION

BENCHMARKS

BENCHMARK	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM# 1	606899.77	2806854.94	707.97	3/8" IPSC (NATIVE PLAINS)
BM# 2	606850.21	2807067.50	713.06	3/8" IPSC (NATIVE PLAINS)
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LICENSED PROFESSIONAL ENGINEER
BILLY COX
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02-24-2026
BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

20 10 0 20
SCALE: 1" = 20'

BEFORE YOU DIG 811 OKLAHOMA ONE-CALL SYSTEM, INC. CALL OKIE

BY								
REVISION								
DATE								

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

DEMOLITION PLAN

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS

953 E. ILLINOIS AVE.
VINITA, OK 74301

DRAWN BY:	ST
APPV. BY:	BC
DATE:	01/28/2026

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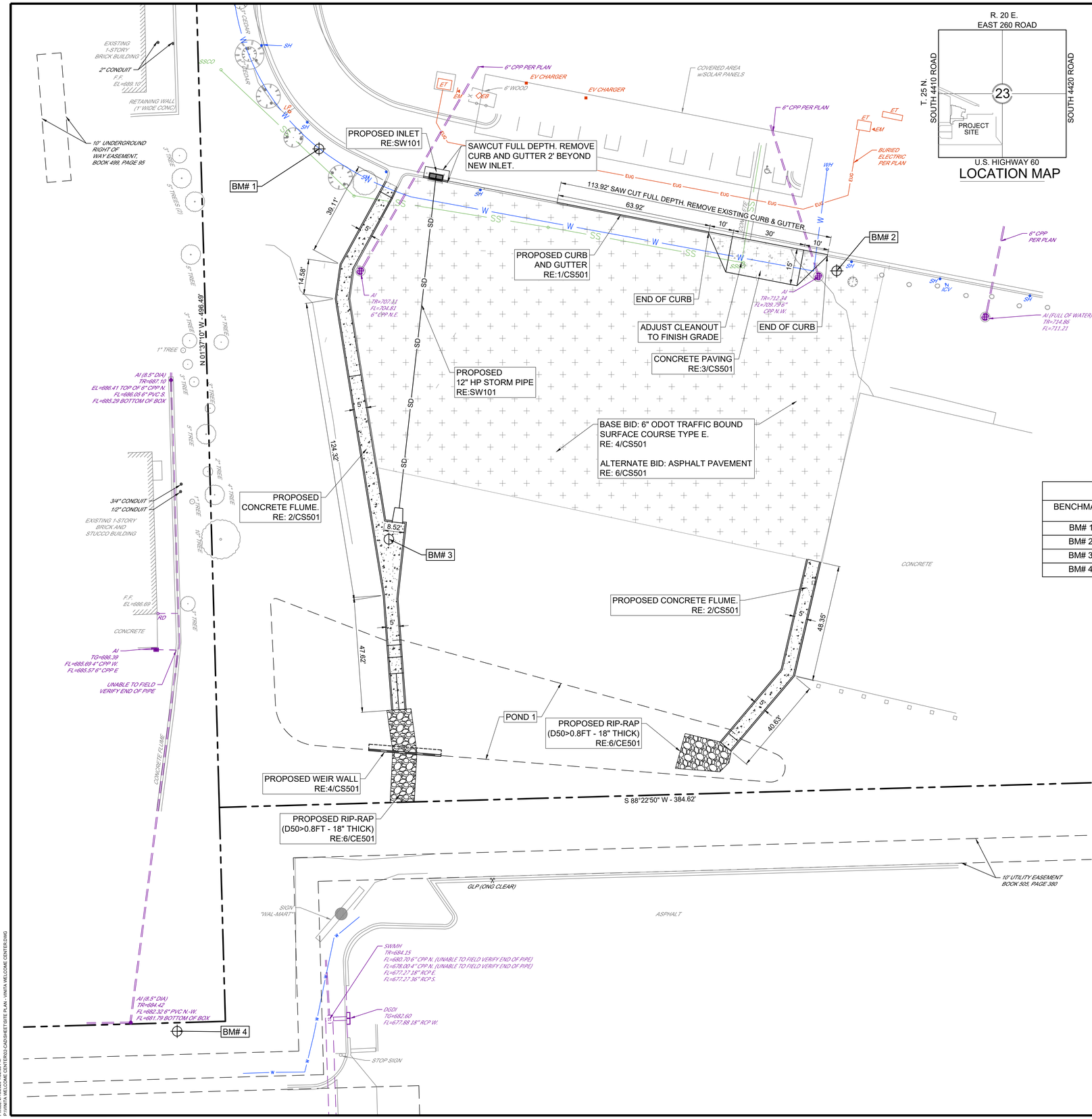

LOCATION MAP

SITE PLAN NOTES

1. THE CONTRACTOR SHALL CONTACT "OKIE" AT 811 OF 800-522-6543, THREE (3) WORKING DAYS BEFORE BEGINNING AY WORK, SO EXISTING UNDERGROUND UTILITIES CAN BE LOCATED AND MARKED.
2. EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. ALL CONSTRUCTION AND METHODS TO BE IN STRICT ACCORDANCE WITH CURRENT AUTHORITY HAVING JURISDICTION SPECIFICATIONS AND DETAILS.
4. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS. MAINTAIN ALL BARRICADES, WARNING SIGNS, FLASHING LIGHTS AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH ALL O.S.H.A. REGULATIONS AND SAFETY REQUIREMENTS.
5. THIS SET OF CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED AS A WHOLE IN THAT THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS ARE RESPONSIBLE FOR INFORMATION PRESENTED ON ALL SHEETS OF THIS SET OF DRAWINGS.
6. CONTRACTOR IS TO BE RESPONSIBLE FOR OBTAINING ANY REQUIRED STATE OR LOCAL PERMITS. CONSTRUCTION MEANS AND METHODS SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
7. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE, AS NECESSARY, TO RETURN IT TO THE EXISTING CONDITION OR BETTER. CONTRACTOR SHALL REPAIR AND RESTORE ANY AREAS DAMAGED DURING CONSTRUCTION AT HIS OWN EXPENSE.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL MEASURES PER THE EROSION CONTROL PLAN.
9. THE CONTRACTOR SHALL PERFORM THE WORK ACCORDING TO ALL CITY, COUNTY, STATE AND FEDERAL SAFETY AND HEALTH REGULATIONS. IN PARTICULAR THE "TRENCHING" AND "OPEN EXCAVATION" OPERATIONS SHALL COMPLY WITH ALL CURRENT O.S.H.A. REGULATORY REQUIREMENTS.

PAVING NOTES

1. TRAFFIC CONTROL MEASURES SHALL BE IN-ACCORDANCE WITH CITY AND THE LATEST VERSION OF THE MUTCD.
2. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND ANY NEW PAVEMENT.
3. ALL TRENCH BACKFILL FOR OPEN CUT PAVEMENT AREAS SHALL BE BACKFILLED FULL DEPTH WITH AGGREGATE BASE MATERIAL AND COMPACTED IN 9 INCH LIFTS TO 95% STANDARD PROCTOR DENSITY TO THE BOTTOM OF SURFACE PAVEMENT.

LEGAL DESCRIPTION

A TRACT OF LAND LYING IN THE SOUTHWEST QUARTER (SW/4) OF SECTION 23, TOWNSHIP 25 NORTH, RANGE TWENTY EAST A PART OF THE CITY OF VINITA, CRAIG COUNTY, STATE OF OKLAHOMA

BENCHMARKS

BENCHMARK	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM# 1	606899.77	2806854.94	707.97	3/8" IPSC (NATIVE PLAINS)
BM# 2	606850.21	2807067.50	713.06	3/8" IPSC (NATIVE PLAINS)
BM# 3	606726.38	2806883.01	705.33	3/8" IPSC (NATIVE PLAINS)
BM# 4	606529.61	2806795.46	685.90	3/8" IPSC (NATIVE PLAINS)

BILLY COX
LICENSED PROFESSIONAL ENGINEER
23063
OKLAHOMA
02-24-2026
BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

SCALE: 1" = 20'

811 BEFORE YOU DIG CALL OKIE

BY	REVISION	DATE

RT66 ENGINEERING
5 SOUTH MAIN STREET
SAPULPA, OK 74066

SITE PLAN

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS

953 E. ILLINOIS AVE.
VINITA, OK 74301

DRAWN BY:	ST
APPV. BY:	BC
DATE:	01/28/2026

SHEET CS101

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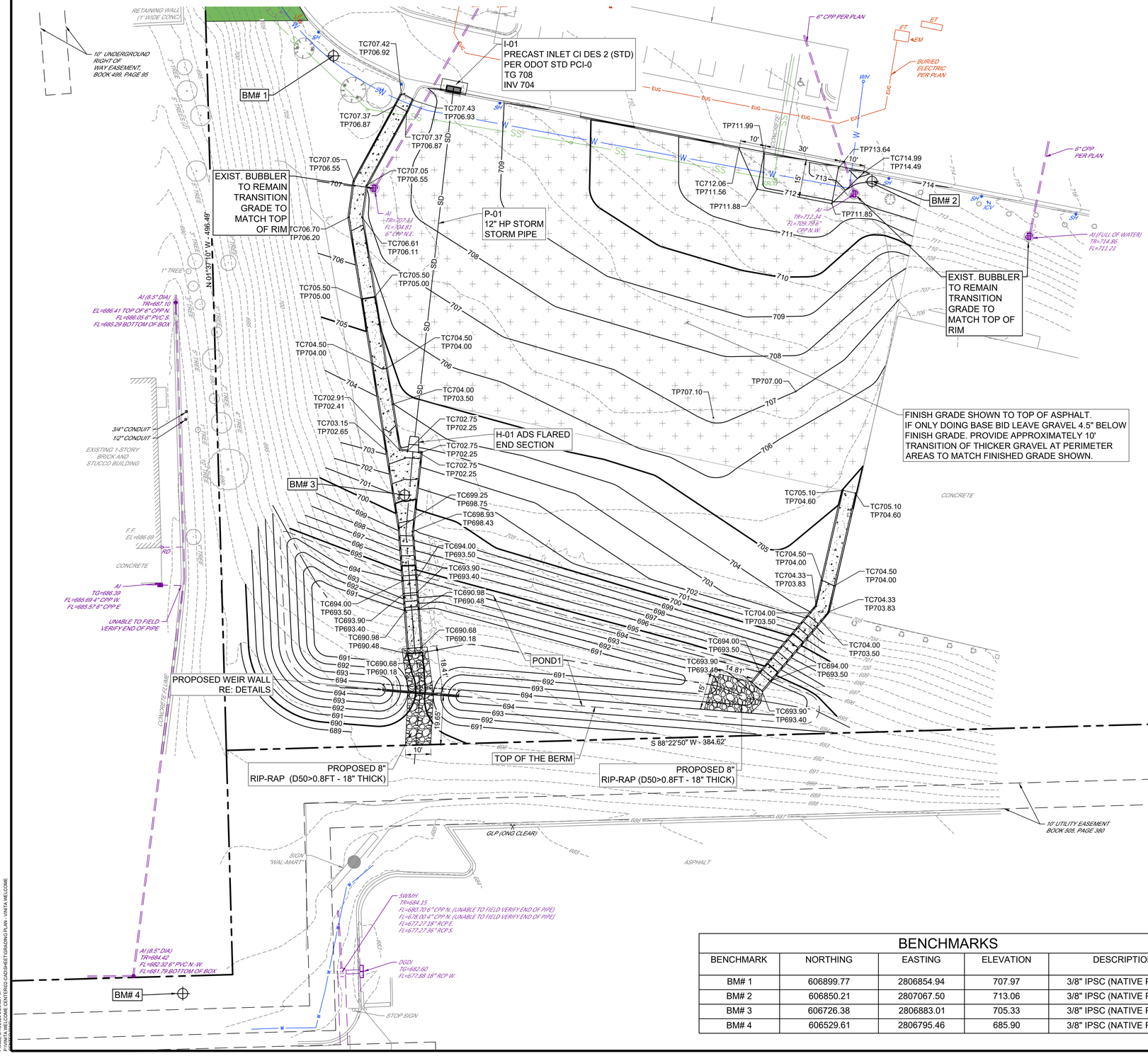
SEE SHEET CG102



BENCHMARKS

BENCHMARK	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM# 1	606899.77	2806854.94	707.97	3/8" IPSC (NATIVE PLAINS)
BM# 2	606850.21	2807067.50	713.06	3/8" IPSC (NATIVE PLAINS)
BM# 3	606726.38	2806883.01	705.33	3/8" IPSC (NATIVE PLAINS)
BM# 4	606529.61	2806795.46	685.90	3/8" IPSC (NATIVE PLAINS)

GRADING PLAN NOTES

1. THE CONTRACTOR SHALL CONTACT "OKIE" AT 811 OR 800-522-6543, ONE CALL SERVICE, THREE (3) WORKING DAYS BEFORE BEGINNING ANY WORK, SO EXISTING UNDERGROUND UTILITIES MAY BE LOCATED AND MARKED.
2. EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. UNLESS OTHERWISE SHOWN, NEW PAVING SHALL BE CONSTRUCTED TO ALLOW FOR POSITIVE DRAINAGE TO CATCH BASIN, CURB, GUTTER, AND OTHER RUNOFF COLLECTION DEVICES. NEW PAVEMENT SLOPE SHALL BE MINIMUM 0.50% FOR CONCRETE AND 1.5% FOR ASPHALT UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT/ENGINEER.
4. ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED SHALL BE SODDED UNLESS NOTED OTHERWISE. ENSURE ALL DISTURBED AREAS HAVE TOPSOIL TO A DEPTH OF FOUR TO SIX INCHES (4"-6").
5. THE CONTRACTOR SHALL KEEP THE SITE CLEAN AT ALL TIMES AND CONTROL DUST RESULTING FROM THE EARTHWORK OPERATIONS. THE CONTRACTOR SHALL NOT TRACK MUD ON THE PUBLIC STREETS.
6. NEW CONTOURS DENOTE TOP OF FINISHED PAVING AND TOP OF SOD AS INDICATED. ALL PROPOSED ELEVATIONS ARE TOP OF CURB, GUTTER OR TOP OF SOD AS INDICATED ON THE PLANS, UNLESS NOTED OTHERWISE.
7. PUBLIC STORM DRAIN SYSTEMS AND STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY/CITY STANDARD DRAWINGS AND SPECIFICATIONS.
8. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND SHALL NOT DAMAGE OR DISTURB ANY SERVICE. THE CONTRACTOR SHALL REPAIR, AT CONTRACTOR'S OWN EXPENSE, ANY DAMAGED UTILITIES CAUSED BY CONSTRUCTION OPERATIONS.
9. ALL PIPES, SHALL HAVE A MINIMUM COVER OF (1) FEET TO TOP OF PIPE, UNLESS NOTED OTHERWISE. MIN. COVER FOR WATER LINES IS 30".
10. ADJUST ALL VALVE BOXES AND MANHOLE COVERS TO FINISHED GRADE WHEN APPLICABLE.
11. IF FIELD GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
12. MANHOLE LIDS AND SLEEVES IN PAVED AREAS SHALL BE HS-25 TRAFFIC RATED.
13. IF, AT ANY TIME THE CONTRACTOR FINDS ERROR AND/OR CONFLICTS IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
14. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS. ANY DISCREPANCY FOUND SHALL BE DISCUSSED WITH THE ENGINEER OF RECORD PRIOR TO ANY CONSTRUCTION WORK.
15. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF EXISTING UTILITIES ON SITE OR IN RIGHT-OF-WAY. ALL UTILITIES MUST BE LOCATED PRIOR TO GRADING START.
16. ALL CUT OR FILL SLOPES SHALL BE A MAX 3:1 SLOPE OR FLATTER UNLESS OTHERWISE NOTED.
17. ALL STORM SEWER PIPE CONNECTIONS TO STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT. ALL STORM SEWER STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
18. THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS THROUGHOUT ALL PHASES OF CONSTRUCTION.
19. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE, AS NECESSARY, TO RETURN IT TO THE EXISTING CONDITION OR BETTER. CONTRACTOR SHALL REPAIR AND RESTORE ANY AREAS DAMAGED DURING CONSTRUCTION AS HIS OWN EXPENSE.
20. NO HAZARDOUS MATERIALS SHALL BE BROUGHT ON SITE OR GENERATED AT THE SITE.
21. IF CONTRACTOR DISCOVERS UNFORESEEN SOIL CONDITIONS PLEASE CONTACT ENGINEER IMMEDIATELY.

GRADING LEGEND

TP = TOP OF PAVEMENT
TC = TOP OF CURB

BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

SCALE: 1" = 20'

BY	REVISION	DATE

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

GRADING PLAN 1

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS
953 E. ILLINOIS AVE.
VINITA, OK 74301

DRAWN BY:	ST
APPV. BY:	BC
DATE:	01/28/2026

SHEET CG101

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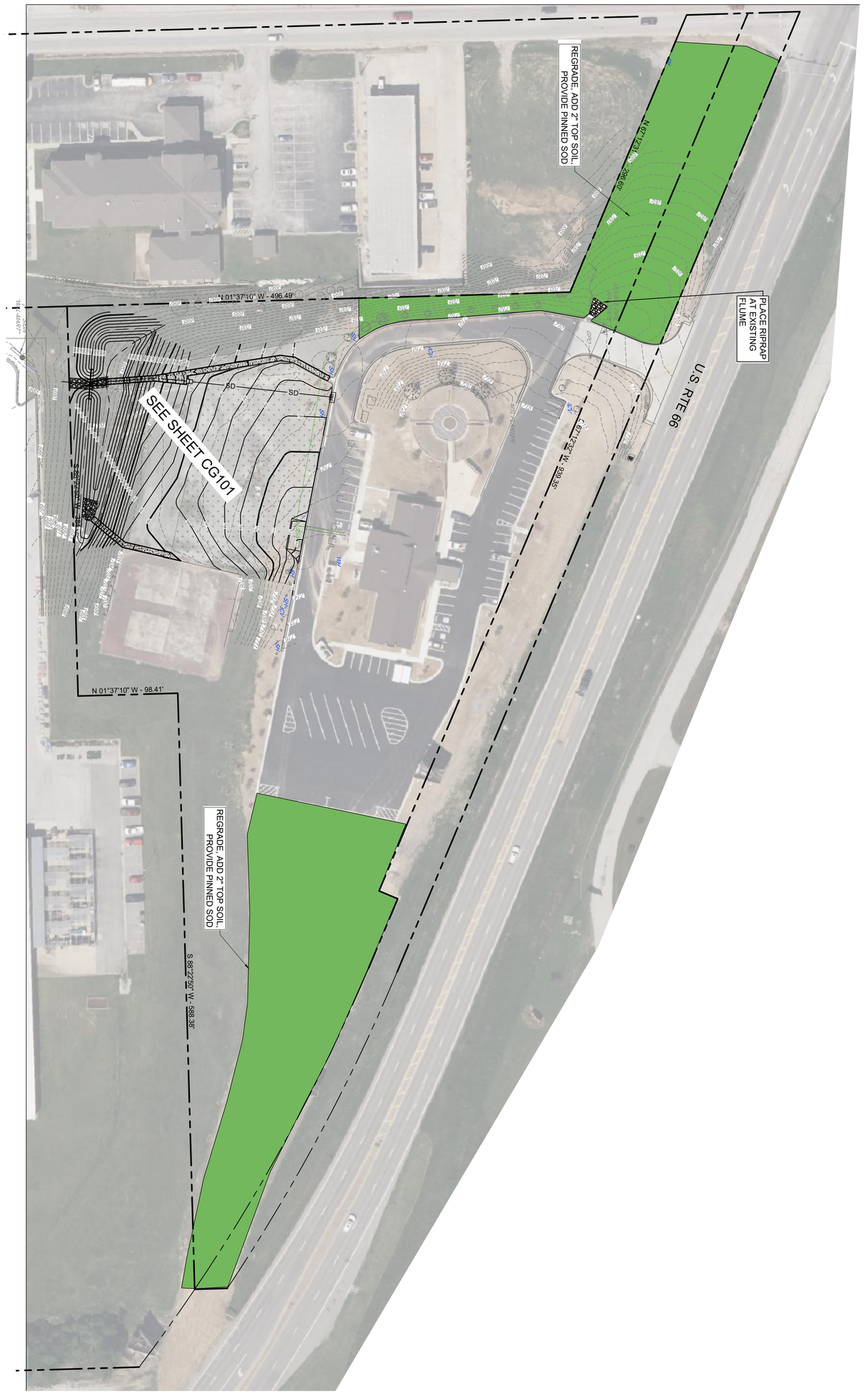

SHEET CG102

DRAWN BY: ST
APPV. BY: BC
DATE: 01/26/2026

GRADING PLAN 2

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS

953 E. ILLINOIS AVE.
VINITA, OK 74301

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

DATE	REVISION	BY

SCALE: 1" = 50'

50 25 0 50

BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

LICENSED PROFESSIONAL ENGINEER
BILLY COX
23063
STATE OF OKLAHOMA
02-24-2026

HYDROLOGIC ELEMENT	DRAINAGE AREA (MI2)	PEAK DISCHARGE (CFS)	TIME OF PEAK (CFS)	VOLUME (IN)
2 YEAR STORM				
DX-100	0.00368	4.8	22 April 2025, 12:15	2.3
DX-101	0.00341	4	22 April 2025, 12:15	2.08
DX-102	0.00331	3.9	22 April 2025, 12:15	2.08
EX POA 1	0.00368	4.8	22 April 2025, 12:15	2.3
EX POA 2	0.00341	4	22 April 2025, 12:15	2.08
EX POA 3	0.00331	3.9	22 April 2025, 12:15	2.08
5 YEAR STORM				
DX-100	0.00368	6.9	22 April 2025, 12:15	3.44
DX-101	0.00341	6	22 April 2025, 12:15	3.18
DX-102	0.00331	5.8	22 April 2025, 12:15	3.18
EX POA 1	0.00368	6.9	22 April 2025, 12:15	3.44
EX POA 2	0.00341	6	22 April 2025, 12:15	3.18
EX POA 3	0.00331	5.8	22 April 2025, 12:15	3.18
10 YEAR STORM				
DX-100	0.00368	8.5	22 April 2025, 12:15	4.35
DX-101	0.00341	7.5	22 April 2025, 12:15	4.06
DX-102	0.00331	7.3	22 April 2025, 12:15	4.06
EX POA 1	0.00368	8.5	22 April 2025, 12:15	4.35
EX POA 2	0.00341	7.5	22 April 2025, 12:15	4.06
EX POA 3	0.00331	7.3	22 April 2025, 12:15	4.06
25 YEAR STORM				
DX-100	0.00368	10.6	22 April 2025, 12:15	5.51
DX-101	0.00341	9.4	22 April 2025, 12:15	5.2
DX-102	0.00331	9.1	22 April 2025, 12:15	5.21
EX POA 1	0.00368	10.6	22 April 2025, 12:15	5.51
EX POA 2	0.00341	9.4	22 April 2025, 12:15	5.2
EX POA 3	0.00331	9.1	22 April 2025, 12:15	5.21
50 YEAR STORM				
DX-100	0.00368	12.1	22 April 2025, 12:15	6.41
DX-101	0.00341	10.8	22 April 2025, 12:15	6.1
DX-102	0.00331	10.5	22 April 2025, 12:15	6.1
EX POA 1	0.00368	12.1	22 April 2025, 12:15	6.41
EX POA 2	0.00341	10.8	22 April 2025, 12:15	6.1
EX POA 3	0.00331	10.5	22 April 2025, 12:15	6.1
100 YEAR STORM				
DX-100	0.00368	13.7	22 April 2025, 12:15	7.34
DX-101	0.00341	12.3	22 April 2025, 12:15	7.02
DX-102	0.00331	12	22 April 2025, 12:15	7.02
EX POA 1	0.00368	13.7	22 April 2025, 12:15	7.34
EX POA 2	0.00341	12.3	22 April 2025, 12:15	7.02
EX POA 3	0.00331	12	22 April 2025, 12:15	7.02

EXISTING SUMMARY OF HYDROLOGIC DATA AND RUNOFF CALCULATIONS

D.A. NO.	AREA	FACTORED RUNOFF CURVE NUMBER	INITIAL ABSTRACTION	DESIGN YEAR RUNOFF (SCS)						TOTAL FLOWPATH LENGTH	OVERLAND (FIGURE 6-1 COT DRAINAGE MANUAL)					GRASS WATERWAYS (FIGURE 6-1 COT DRAINAGE MANUAL)					PAVEMENT / ROOF FLOW					IN PIPE FLOW			TOTAL TIME OF CONCENTRATION	SCS BASIN LAG TIME
	A	CN	Ia	Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}		DESIGN FLOWPATH LENGTH (MAX=150 LF)	AVG SLOPE	Manning's Coefficient	VELOCITY	T_I	FLOWPATH LENGTH	AVG SLOPE	Manning's Coefficient	VELOCITY	T_F	FLOWPATH LENGTH	AVG SLOPE	Manning's Coefficient	VELOCITY	Tt	FLOW PATH LENGTH	VELOCITY	T_P	$T_C=T_I+T_F+T_T+T_P$	T_{LAG}
	ACRES			CFS	CFS	CFS	CFS	CFS	CFS	LF	LF	%	n	FPS	MIN	LF	%	n	FPS	MIN	LF	%	n	FPS	MIN	LF	FPS	MIN	MIN	MIN
DX-100	2.356	87.81	0.278	4.8	6.9	8.5	10.6	12.1	13.7	552	150	5.60%	0.073	1.65	1.52	402	6.10%	0.05	3.99	1.68									3.20	1.92
DX-101	2.181	85.11	0.350	4	6	7.5	9.4	10.8	12.3	612	150	1.00%	0.073	0.7	3.57	462	4.20%	0.05	3.31	2.33									5.90	3.54
DX-102	2.119	85.15	0.349	3.9	5.8	7.3	9.1	10.5	12	764	150	1.40%	0.073	0.82	3.05	614	5.10%	0.05	3.64	2.81									5.86	3.516

BENCHMARKS

BENCHMARK	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM# 1	606899.77	2806854.94	707.97	3/8" IPSC (NATIVE PLAINS)
BM# 2	606850.21	2807067.50	713.06	3/8" IPSC (NATIVE PLAINS)
BM# 3	606726.38	2806883.01	705.33	3/8" IPSC (NATIVE PLAINS)
BM# 4	606529.61	2806795.46	685.90	3/8" IPSC (NATIVE PLAINS)

BILLY COX
23063
PROFESSIONAL ENGINEER
OKLAHOMA
10-24-2026
BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

N

50 25 0 50

SCALE: 1" = 50'

811 BEFORE YOU DIG CALL OKIE

DATE	REVISION	BY

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

EXISTING DRAINAGE AREA MAP

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS

953 E. ILLINOIS AVE.
VINITA, OK 74301

DRAWN BY: ST
APPV. BY: BC
DATE: 01/28/2026

SHEET DA101

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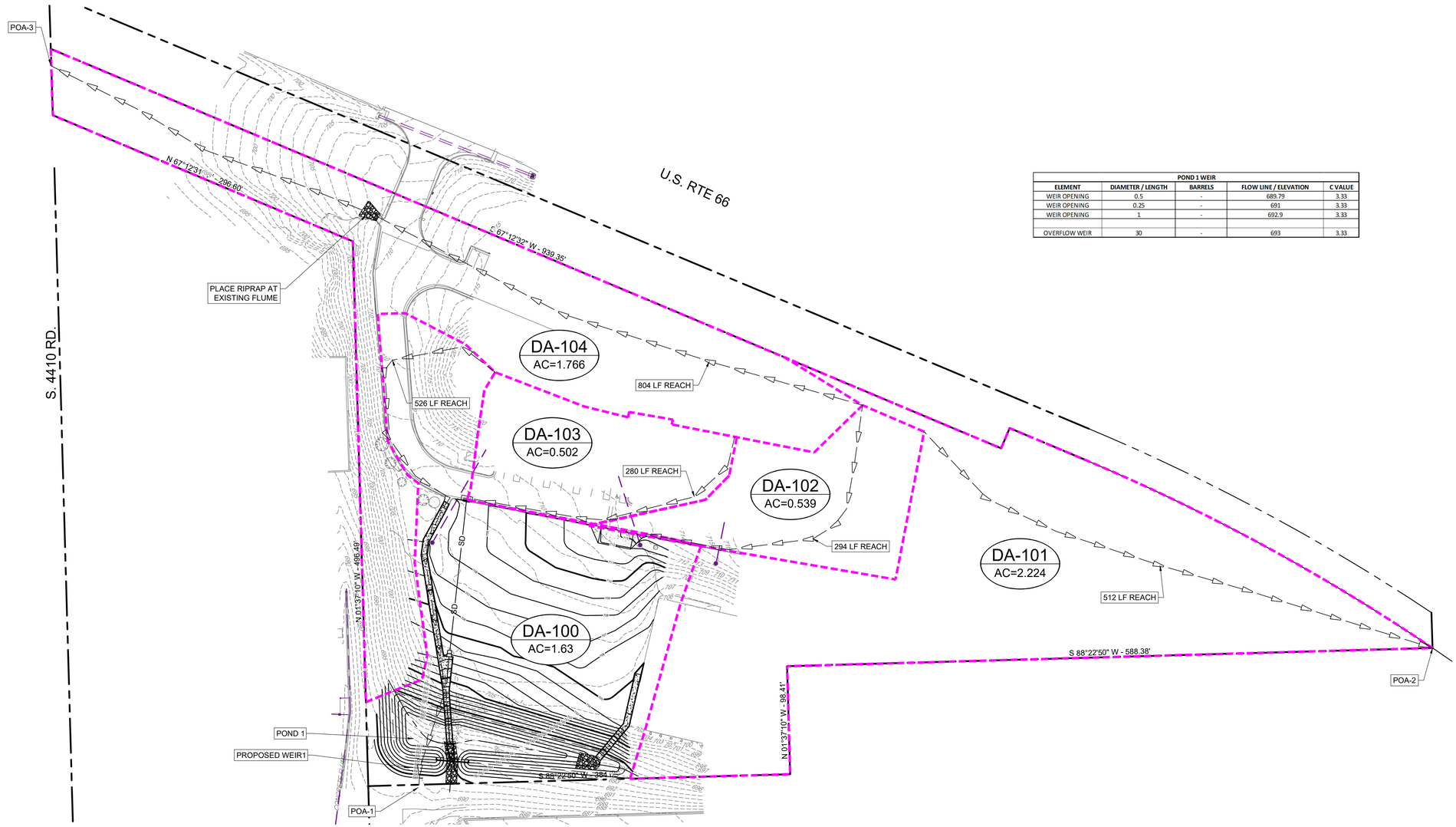


POND 1 WEIR				
ELEMENT	DIAMETER / LENGTH	BARRELS	FLOW LINE / ELEVATION	C VALUE
WEIR OPENING	0.5	-	689.79	3.33
WEIR OPENING	0.25	-	691	3.33
WEIR OPENING	1	-	692.9	3.33
OVERFLOW WEIR	30	-	693	3.33

HYDROLOGIC ELEMENT	DRAINAGE AREA (MI2)	PEAK DISCHARGE (CFS)	TIME OF PEAK (CFS)	VOLUME (IN)
2 YEAR STORM				
DA-100	0.00255	3.8	22 April 2025, 12:15	2.65
DA-101	0.00348	4.4	22 April 2025, 12:15	2.25
DA-102	0.00084	1.4	22 April 2025, 12:15	3.12
DA-103	0.00078	1.2	22 April 2025, 12:15	2.82
DA-104	0.00276	3.8	22 April 2025, 12:15	2.46
POA-1	0.00417	4.5	22 April 2025, 12:30	2.76
POA-2	0.00348	4.4	22 April 2025, 12:15	2.25
POA-3	0.00276	3.8	22 April 2025, 12:15	2.46
POND 1	0.00417	4.5	22 April 2025, 12:30	2.76
5 YEAR STORM				
DA-100	0.00255	5.2	22 April 2025, 12:15	3.84
DA-101	0.00348	6.4	22 April 2025, 12:15	3.38
DA-102	0.00084	1.8	22 April 2025, 12:15	4.33
DA-103	0.00078	1.6	22 April 2025, 12:15	4.01
DA-104	0.00276	5.4	22 April 2025, 12:15	3.62
POA-1	0.00417	6.2	22 April 2025, 12:30	3.96
POA-2	0.00348	6.4	22 April 2025, 12:15	3.38
POA-3	0.00276	5.4	22 April 2025, 12:15	3.62
POND 1	0.00417	6.2	22 April 2025, 12:30	3.96
10 YEAR STORM				
DA-100	0.00255	6.3	22 April 2025, 12:15	4.77
DA-101	0.00348	8	22 April 2025, 12:15	4.28
DA-102	0.00084	2.2	22 April 2025, 12:15	5.28
DA-103	0.00078	2	22 April 2025, 12:15	4.95
DA-104	0.00276	6.6	22 April 2025, 12:15	4.54
POA-1	0.00417	7.4	22 April 2025, 12:30	4.89
POA-2	0.00348	8	22 April 2025, 12:15	4.28
POA-3	0.00276	6.6	22 April 2025, 12:15	4.54
POND 1	0.00417	7.4	22 April 2025, 12:30	4.89
25 YEAR STORM				
DA-100	0.00255	7.7	22 April 2025, 12:15	5.96
DA-101	0.00348	9.9	22 April 2025, 12:15	5.44
DA-102	0.00084	2.6	22 April 2025, 12:15	6.48
DA-103	0.00078	2.4	22 April 2025, 12:15	6.14
DA-104	0.00276	8.1	22 April 2025, 12:15	5.71
POA-1	0.00417	9.1	22 April 2025, 12:30	6.08
POA-2	0.00348	9.9	22 April 2025, 12:15	5.44
POA-3	0.00276	8.1	22 April 2025, 12:15	5.71
POND 1	0.00417	9.1	22 April 2025, 12:30	6.08
50 YEAR STORM				
DA-100	0.00255	8.8	22 April 2025, 12:15	6.88
DA-101	0.00348	11.4	22 April 2025, 12:15	6.34
DA-102	0.00084	3	22 April 2025, 12:15	7.41
DA-103	0.00078	2.7	22 April 2025, 12:15	7.06
DA-104	0.00276	9.3	22 April 2025, 12:15	6.62
POA-1	0.00417	10.4	22 April 2025, 12:30	7
POA-2	0.00348	11.4	22 April 2025, 12:15	6.34
POA-3	0.00276	9.3	22 April 2025, 12:15	6.62
POND 1	0.00417	10.4	22 April 2025, 12:30	7
100 YEAR STORM				
DA-100	0.00255	9.8	22 April 2025, 12:15	7.82
DA-101	0.00348	12.9	22 April 2025, 12:15	7.27
DA-102	0.00084	3.3	22 April 2025, 12:15	8.35
DA-103	0.00078	3.1	22 April 2025, 12:15	8
DA-104	0.00276	10.4	22 April 2025, 12:15	7.56
POA-1	0.00417	11.8	22 April 2025, 12:30	7.95
POA-2	0.00348	12.9	22 April 2025, 12:15	7.27
POA-3	0.00276	10.4	22 April 2025, 12:15	7.56
POND 1	0.00417	11.8	22 April 2025, 12:30	7.95

PROPOSED SUMMARY OF HYDROLOGIC DATA AND RUNOFF CALCULATIONS

D.A. NO.	AREA	FACTORED RUNOFF CURVE NUMBER	INITIAL ABSTRACTION	DESIGN YEAR RUNOFF (SCS)						TOTAL FLOWPATH LENGTH	OVERLAND (FIGURE 6-1 COT DRAINAGE MANUAL)					GRASS WATERWAYS (FIGURE 6-1 COT DRAINAGE MANUAL)					PAVEMENT FLOW SMALL UPLAND GULLIES (FIGURE 6-1 COT DRAINAGE MANUAL)					IN Roof FLOW			TOTAL TIME OF CONCENTRATION	SCS BASIN LAG TIME
	A	CN	Ia	Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}		DESIGN FLOWPATH LENGTH (MAX=150 LF)	AVG SLOPE	Manning's Coefficient	VELOCITY	T_i	FLOWPATH LENGTH	AVG SLOPE	Manning's Coefficient	VELOCITY	T_F	FLOWPATH LENGTH	AVG SLOPE	Manning's Coefficient	VELOCITY	Tt	FLOW PATH LENGTH	VELOCITY	T_P	$T_C=T_i+T_P+T_f+T_P$	T_{LAG}
	ACRES			CFS	CFS	CFS	CFS	CFS	CFS	LF	LF	%	n	FPS	MIN	LF	%	n	FPS	MIN	LF	%	n	FPS	MIN				MIN	MIN
DA-100	1.63	92.43	0.164	3.8	5.2	6.3	7.7	8.8	9.8	526	90	10.00%	0.073	2.2	0.68						436	4.60%	0.025	4.36	1.67				2.35	1.41
DA-101	2.224	87.18	0.294	4.4	6.4	8	9.9	11.4	12.9	512	150	0.30%	0.073	0.38	6.58	362	5.20%	0.05	3.68	1.64									8.22	4.932
DA-102	0.539	96.15	0.080	1.4	1.8	2.2	2.6	3	3.3	294											294	3.20%	0.025	3.64	1.35				1.35	0.81
DA-103	0.502	93.26	0.145	1.2	1.6	2	2.4	2.7	3.1	280	73	8.20%	0.073	1.99	0.61						187	4.30%	0.025	4.22	0.74	20.00	2.87	0.12	1.47	0.882
DA-104	1.766	89.56	0.233	3.8	5.4	6.6	8.1	9.3	10.4	804						337	5.80%	0.05	3.89	1.44	467	2.80%	0.025	3.4	2.29				3.73	2.238

TABLE 100 DISCHARGES TO POINT POA-1

Storm Event	Existing Runoff SW (DX-100) = EXISTING POINT EX POA 1	AREA DA-100 DISCHARGE	AREA DA-102 DISCHARGE	AREA DA-103 DISCHARGE	POND 1 DISCHARGE	PROPOSED POINT POA-1	EXISTING VS PROPOSED ANALYSIS (CFS) POINT EX POA 1 AND POA-1
2 Year	4.8	3.8	1.40	1.20	4.50	4.5	-0.3
5 Year	6.9	5.2	1.80	1.60	6.20	6.2	-0.7
10 Year	8.5	6.3	2.20	2.00	6.20	6.2	-2.3
25 Year	10.6	7.7	2.60	2.40	9.10	9.1	-1.5
50 Year	12.1	8.8	3.00	2.70	10.40	10.4	-1.7
100 Year	13.7	9.8	3.30	3.10	11.80	11.8	-1.9

TABLE 101 DISCHARGES TO POINT POA-2

Storm Event	Existing Runoff SW (DX-101) = EXISTING POINT EX POA 2	AREA DA-101 DISCHARGE = PROPOSED POINT POA-2	EXISTING VS PROPOSED ANALYSIS (CFS) POINT EX POA 2 AND POA-2
2 Year	4	4.40	0.40
5 Year	6	6.40	0.40
10 Year	7.5	8.00	0.50
25 Year	9.4	9.90	0.50
50 Year	10.8	11.40	0.60
100 Year	12.3	12.90	0.60

TABLE 102 DISCHARGES TO POINT POA-3

Storm Event	Existing Runoff SW (DX-102) = EXISTING POINT EX POA 3	AREA DA-104 DISCHARGE = PROPOSED POINT POA-3	EXISTING VS PROPOSED ANALYSIS (CFS) POINT EX POA 3 AND POA-3
2 Year	3.9	3.80	-0.10
5 Year	5.8	5.40	-0.40
10 Year	7.3	6.60	-0.70
25 Year	9.1	8.10	-1.00
50 Year	10.5	9.30	-1.20
100 Year	12	10.40	-1.60

BILLY COX
23063
PROFESSIONAL ENGINEER
OKLAHOMA
02-24-2026
BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

N

50 25 0 50

SCALE: 1" = 50'

BEFORE YOU DIG 811 CALL OKIE

BY								
REVISION								
DATE								

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

PROPOSED DRAINAGE AREA MAP

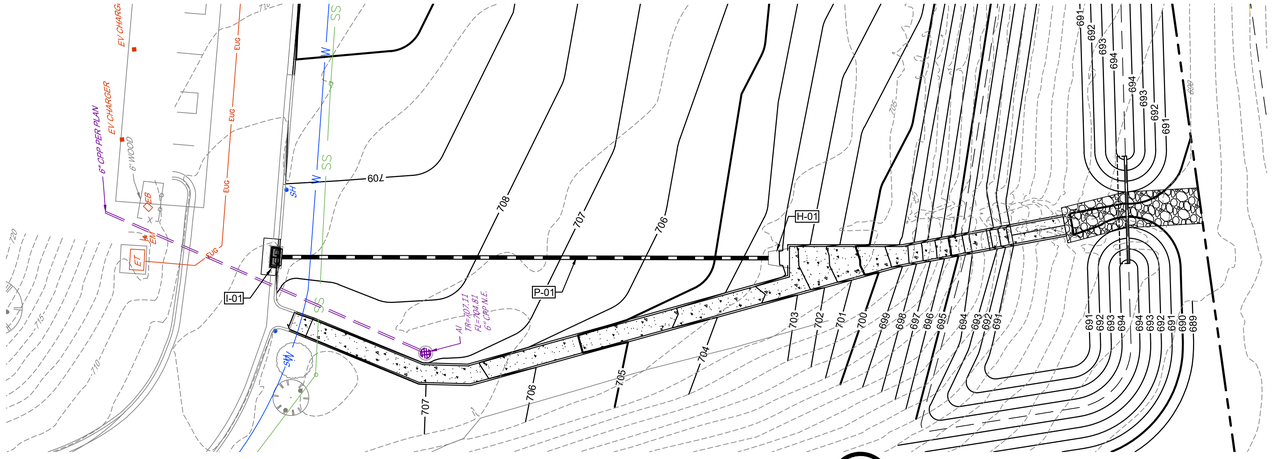
CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS

953 E. ILLINOIS AVE.
VINITA, OK 74301

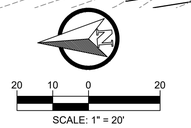
DRAWN BY: ST
APPV. BY: BC
DATE: 01/28/2026

SHEET DA102

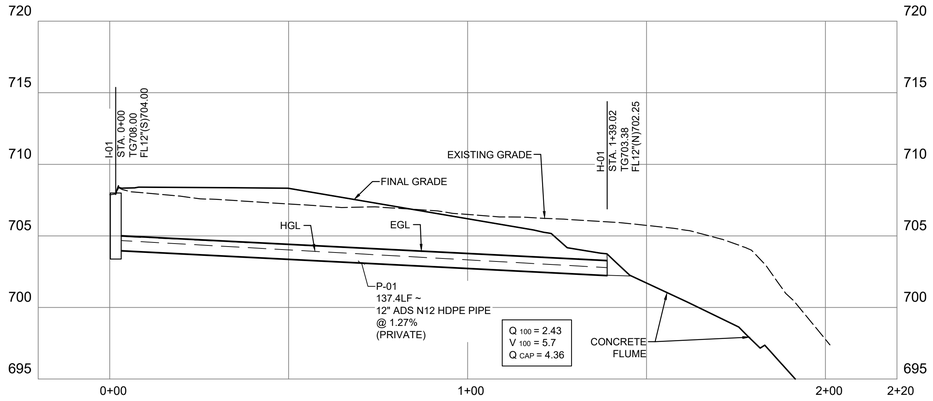
Printed: 1/29/2026 3:12:16 PM
P:\VINITA WELCOME CENTER\02-CAD\SHEETS\PROPOSED DRAINAGE AREA MAP - VINITA



PLAN VIEW



SCALE: 1" = 20'



STORM DRAIN P-01 PROFILE
SCALE: 1"=20' HORIZONTAL
1"=5' VERTICAL

STRUCTURE TABLE PROJECT POSITIVE

NAME	PRIVATE/ PUBLIC	TYPE	FT SIZE	NORTHING	EASTING	RIM OR TOP OF GRATE ELEV.	FL IN	FL OUT	DEPTH OF STRUCTURE
						FT	FT	FT	FT
INLETS									
I-01	PRIVATE	PRECAST INLET CI DES 2 (STD) PER ODOT STD PCI-0	SEE ODOT DETAILS	606,885.53	2,806,902.18	708.00	N/A	12" S 704	4.00
OUTLET STRUCTURES									
H-01	PRIVATE	ADS FLARED END SECTION	12" END SECTION	606,749.44	2,806,887.09	N/A	12" N 702.25	N/A	N/A

PIPE NETWORK - VINITA WELCOME CENTER

Label	PRIVATE/ PUBLIC PIPE	PIPE TYPE	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Length (ft)	Diameter (in)	Barrels	Slope (Calculated) (ft/ft)	Manning's n	Flow (cfs)	Capacity (Full Flow) (cfs)	Velocity (Out) (ft/s)	Elevation Ground (Start) (ft)	Elevation Ground (Stop) (ft)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)	Energy Grade Line (In) (ft)	Energy Grade Line (Out) (ft)	Froude Number (Normal)
P-01	**PRIVATE**	**HP STORM**	I-01	704	H-1	702.25	137.4	12	1	0.013	0.012	2.43	4.36	5.7	708	702.25	704.67	702.78	704.96	703.29	1.536

LICENSED PROFESSIONAL ENGINEER
BILLY COX
23063
OKLAHOMA
02-24-2026
BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

BEFORE YOU DIG 811 OKLAHOMA ONE CALL CALL OKIE

DATE	REVISION	BY

RT66 ENGINEERING
5 SOUTH MAIN STREET,
SAPULPA, OK 74066

STORM DRAIN PLAN & PROFILE

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS
953 E. ILLINOIS AVE.
VINITA, OK 74301

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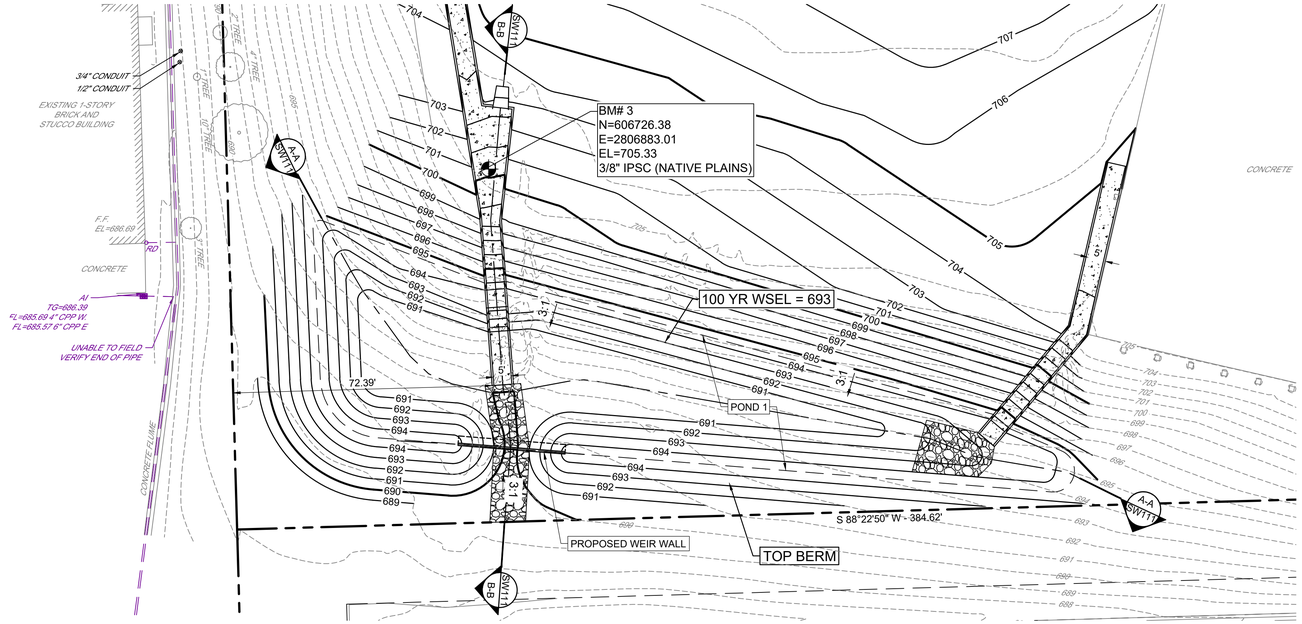
SHEET SW101

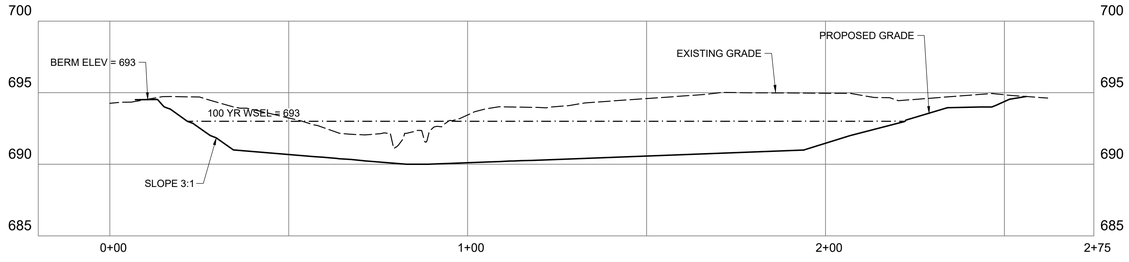


1 DETENTION POND 1 PLAN
SCALE: 1" = 20'

Pond 1 Elevations			
ELEV	SF	ACRE	CF
689.79	0.00	0	
690	62.82	0.001442	25
691	2,622.99	0.060216	1,368
692	3,714.99	0.085284	4,537
693	4,939.24	0.113389	8,864
694	6,532.03	0.149955	11,158

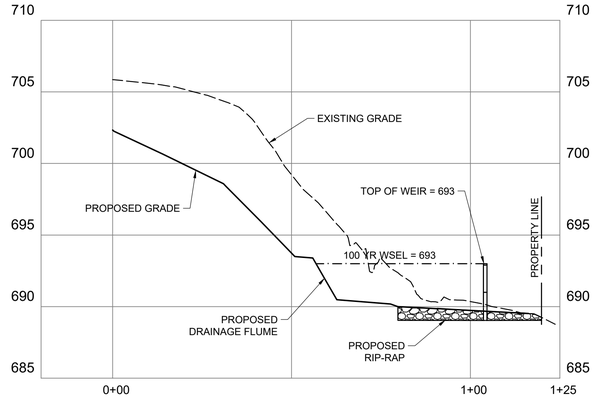
Pond 1 WSEL / Discharge		
STORM EVENT	ELEV	Discharge (CFS)
2 Year	691.6	4.50
5 Year	692	6.20
10 Year	692.2	7.40
25 Year	692.5	9.10
50 Year	692.7	10.40
100 Year	693	11.80

Pond 1 Stage / Discharge	
ELEV	Discharge (CFS)
689.79	0
690	0.2
691	2.2
692	7.1
693	11.8



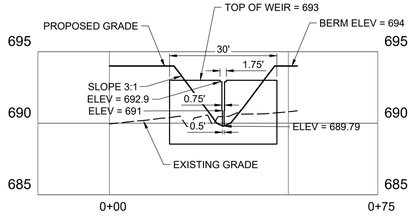
PROFILE
SCALE: 1"=20 HORIZONTAL
1"=5' VERTICAL

2 CROSS SECTION A-A
SCALE:



PROFILE
SCALE: 1"=20 HORIZONTAL
1"=5' VERTICAL

3 CROSS SECTION B-B
SCALE:



PROFILE
SCALE: 1"=20 HORIZONTAL
1"=5' VERTICAL

4 WEIR ELEVATION VIEW
SCALE:

BILLY COX
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23063
OKLAHOMA
12-24-2026

BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2027

20 10 0 20
SCALE: 1" = 20'

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REVISION								
DATE								

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SAPULPA, OK 74066

DETENTION POND SECTIONS

CHEROKEE NATION ANNA MITCHELL CULTURAL & WELCOME CENTER SITE IMPROVEMENTS
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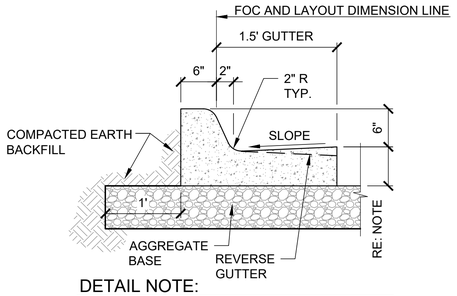


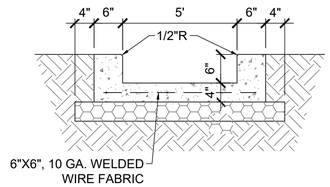
DETAIL NOTE:

THIS CURB AND GUTTER DETAIL APPLIES IN TWO CONDITIONS:

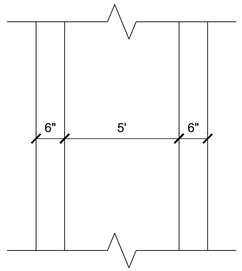
1. STANDARD CURB AND GUTTER
2. STANDARD CURB WITH REVERSE GUTTER.

FOR REVERSE GUTTERS, REVERSE THE GUTTER SLOPE 1/4 " IN AREA WHERE WATER IS TO SHEET FLOW TO THE OUTFALL POINT. REFER TO THE GRADING AND DRAINAGE SHEET FOR REVERSE GUTTER LOCATIONS. BOTH (STANDARD AND REVERSE) GUTTERS SHOULD MAINTAIN A 6" MINIMUM CONCRETE GUTTER DEPTH.

1 6" CURB DETAIL
SCALE: NOT TO SCALE

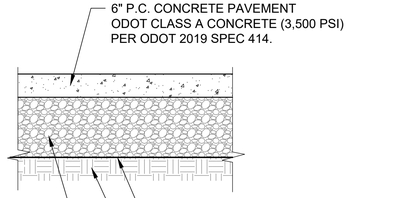


SECTION



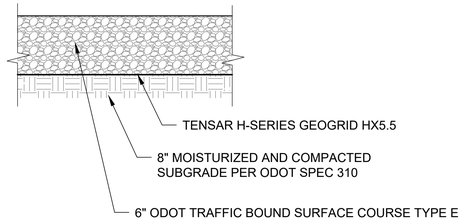
PLAN

2 CONCRETE FLUME DETAIL
SCALE: NOT TO SCALE

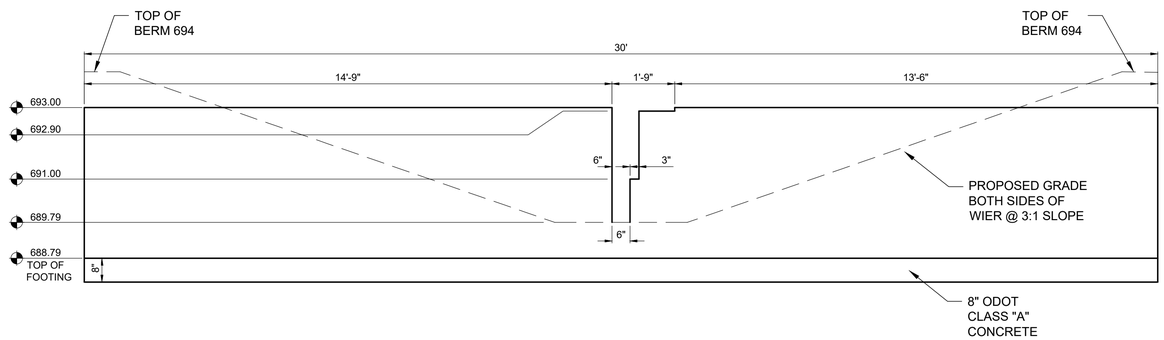


PORTLAND CEMENT CONCRETE (PCC)

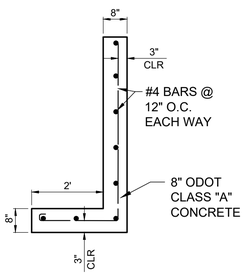
3 PAVEMENT SECTION
SCALE: NOT TO SCALE

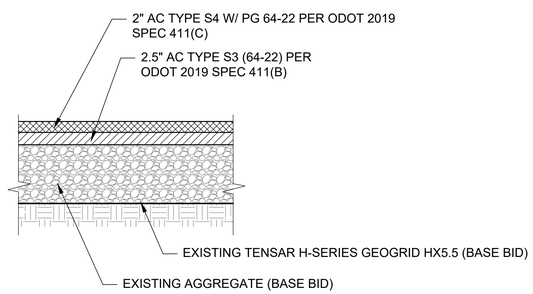


4 GRAVEL SECTION (BASE BID)
SCALE: NOT TO SCALE



5 WEIR WALL DETAIL
SCALE: NOT TO SCALE





ASPHALT PAVEMENT SECTION

6 ASPHALT PAVEMENT SECTION (ALTERNATE BID)
SCALE: NOT TO SCALE

NOTE: TYPICAL SECTION SHOWN FOR BIDDING PURPOSES.
TYPICAL SECTION BASED ON EXPERIENCE WITH SIMILAR PROJECTS.
IT IS RECOMMENDED THE OWNER CONSULT A GEOTECHNICAL ENGINEER TO OBTAIN MORE ACCURATE SOIL CONDITIONS. GEOTECHNICAL ENGINEER SHOULD PROVIDE PAVEMENT DESIGN BASED ON SOIL CONDITIONS AND ESTIMATED TRAFFIC COUNTS FOR THIS SITE.

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