





REFERS TO A PROFILE OR ELEVATION



⊢ PROFILE NUMBER ⊢ SHEET NUMBER ON WHICH IT IS LOCATED





HORIZONTAL DATUM NAD 1983 (2011)

VERTICAL DATUM NAVD 1988

ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF OKC STANDARDS AND SPECIFICATIONS

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ)

2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SHALL GOVERN. CITY OF TULSA ENGINEERING SERVICES DEPARTMENT CURRENT STANDARDS WILL BE USED AS APPLICABLE.

UTILITY COORDINATION BOX NUMBER WATER DESIGN 918-596-9580 918-596-9564 WASTEWATER DESIGN TRANSPORTATION DESIGN 918-596-9636 UTILITY COORDINATION - CHRIS KOVAC 918-596-9649 STORMWATER DESIGN 918-596-9498 PSO - ADAM FIELDS 877-250-6257 ONG - JONATHON MEADOWS 918-831-8215 AT&T - AL NICHOLS 918-596-4237 COX COMMUNICATION - BRANDON WADE 918-286-4716 918-830-0024 MTTA - ERIC SMITH

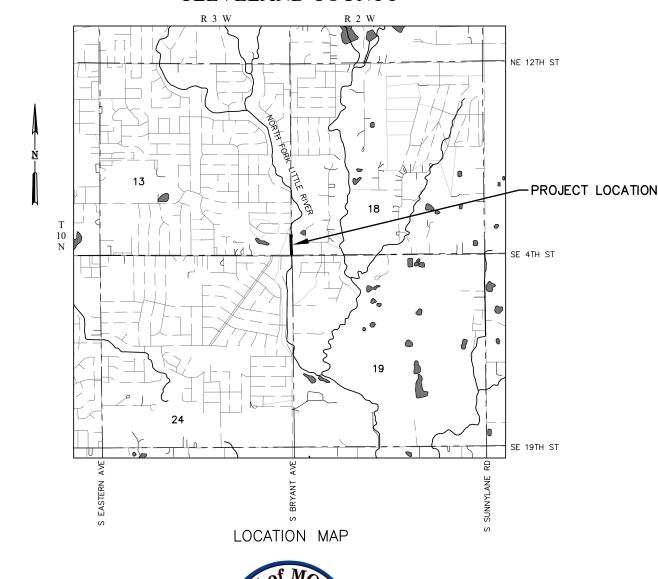
CITY OF MOORE, OKLAHOMA

CONSTRUCTION PLANS

FOR

SOUTH BRYANT AVE. STREET REHABILITATION

THE CITY OF MOORE. **CLEVELAND COUNTY**



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APPLICABLE STANDARDS:

CITY OF OKC: SEE SHEET 2

ODOT:

SEE SHEET 2

Prepared By:

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7-5-2023



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SHEET 1 OF 32 SHEETS

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE CURRENT CITY OF MOORE'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS.
- THE CONTRACTOR SHALL COMPLY WITH ALL 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 ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE
- PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF MOORE OR ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND
- THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS; AT&T, OKLAHOMA ELECTRIC COOPERATIVE (OEC), OKLAHOMA NATURAL GAS (ONG), OG&E, AND THE CITY OF MOORE. SEE TITLE SHEET FOR CONTACT INFORMATION.
- THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK, PHONE 1-800-522-6543.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE
- THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
- THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF MOORE TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
- CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO
- THE CONTRACTOR SHALL NOTIFY THE CITY OF MOORE, 405-793-5070, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS ASTM D4956-(LATEST REVISION).
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN 13. NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND PAVEMENT
- 14. LOCAL TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
- ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
- ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF 16. THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
- ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
- WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT 18. BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
- ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
- THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
- MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.

- 23. ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
- NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.
- CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS
- REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
- THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF OKLAHOMA CITY STANDARDS. CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS. AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.
- THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF 29. STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.
- STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
- THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
- PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
- FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON JULY 26, 2011 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK, WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- ALL TRENCH WIDTHS & BEDDING MATERIALS SHALL BE AS SHOWN ON ODOT STANDARD PIPE INSTALLATION DETAIL, STANDARD SPI-5-2. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP
- ANY ITEM THAT FALLS OUTSIDE OF THE STANDARD SPECIFICATIONS OR THESE SPECIAL PROVISIONS, AND IS NOT LISTED IN THE BID SCHEDULE, WILL BE CONSIDERED AS INCIDENTAL CONSTRUCTION. THE CONTRACTOR WILL BE HELD ACCOUNTABLE FOR SUCH ITEMS AND WILL NOT RECEIVE ANY ADDITIONAL COMPENSATION.
- THE PLANS DEPICT ALL KNOWN UTILITIES. THE CONTRACTOR IS REQUIRED TO UNCOVER AND VERIFY THE LOCATION AND ELEVATION OF THESE UTILITIES IN COLLABORATION WITH THE ENGINEER. IN THE EVENT OF ANY UNIDENTIFIED UTILITIES BEING DISCOVERED, THE CONTRACTOR MUST ALSO UNCOVER AND CONFIRM THEM WITH THE ENGINEER. NO ADDITIONAL PAYMENT OR EXTENSION OF THE CONTRACT PERIOD WILL BE GRANTED FOR ANY DELAYS RESULTING FROM THE UNCOVERING OR VERIFICATION OF BOTH KNOWN AND UNKNOWN
- THE CONTRACTOR BEARS THE RESPONSIBILITY OF ACCURATELY DETERMINING THE PRECISE ON-SITE POSITIONS OF ALL EXISTING UTILITIES AND ANY NEARBY FACILITIES RELATED TO THE PROJECT, PRIOR TO INITIATING THE WORK, THE CONTRACTOR MUST INFORM THE OWNERS OF THESE UTILITES AND FACILITIES ABOUT THE CONSTRUCTION ACTIVITIES TAKING PLACE IN THE AREA. THE CONTRACTOR ASSUMES FULL LIABILITY FOR ANY HARM OR DESTRUCTION CAUSED TO THE EXISTING UTILITIES AND FACILITIES DURING THE CONSTRUCTION PROCESS.

AS-BUILTS:

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

APPLICABLE CITY OF OKLAHOMA CITY STANDARD DRAWINGS:

D-600 D-700A - CHARDRAIL EXTRUDER TERMINAL - ADA CURB RAMP DETAILS

D-700B - ADA CURB RAMP DETAILS D-800 - STANDARD REPAIR DETAILS

APPLICABLE ODOT STANDARDS:

EROSION CONTROL

- SOLID SLAB SODDING - TEMPORARY SEDIMENT CONTROLS

<u>DRAINAGE STRUCTURES</u>
PCES-5-1 - PREFABRICATED CULVERT END SECTIONS - STANDARD PIPE INSTALLATION

PBB-1-2 - PIPE BEDDING AND BACKFILL

TRAFFIC CONTROL
TCS1-1-01 - TRAFFIC CONTROL CONSTRUCTION NOTES
TCS2-1-00 - TRAFFIC CONTROL TABLES AND CHARTS

- TEMPORARY TRAFFIC CONTROL ELEMENTS

- TRAFFIC CONTROL DEVICES TCS5-1-00 - TYPICAL SIGN INSTALLATION

TCS6-1-02 - CHANNELIZING DEVICES - PLACEMENT OF ADVANCE WARNING SIGNS

TCS8-1-00 - CONSTRUCTION SIGNS
TCS9-1-01 - TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS
TCS11-1-01 - TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS

GENERAL CONSTRUCTION NOTES

SOUTH BRYANT STREET REHAB

CITY OF MOORE

LANS AND ESTIMATES PREPARED BY MESHEK & ASSOCIATES, L.L.C.

REVISION BY DATE DRAWN AD 07/2 DESIGNED AD SURVEY C.A. 1487 FXPIRES 6/30/25 SHEET: **OF** 32

ROADWAY & DRAINAGE PAY ITEM NOTES

- ALL COSTS FOR REMOVING TREES, SHRUBS, STUMPS, POSTS, AND ALL OTHER DEBRIS AND/OR OBSTRUCTIONS NOT COVERED BY A SEPARATE PAY ITEM ARE INCLUDED IN THE PRICE BID.
- 2. INCLUDES COMPACTION OF BASE TO 98% AASHTO T180 MODIFIED PROCTOR
- CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND
 MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION
 AND INSPECTION OF THE ENTIRE PROJECT.
- 4. WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
- CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THIS PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER. COST SHALL BE INCLUDED IN THE PRICE BID.
- 6. EROSION PROTECTION SHALL BE PLACED AROUND DRAINAGE INLETS AS REQUIRED TO PREVENT ENTRANCE OF EROSION MATERIAL. EROSION PROTECTION SHALL BE PLACED AS NECESSARY TO PREVENT EROSION WASH TO ADJACENT PROPERTY. ALL EROSION PROTECTION INSTALLED MUST BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT. EROSION PROTECTION SHALL BE REMOVED AT THE END OF THE PROJECT AS DIRECTED BY THE ENGINEER, COST TO BE INCLUDED IN THE PRICE BID. THE PRICE INCLUDES THE COST OF SEDIMENT REMOVAL PER THE STORMWATER MANAGEMENT PLAN.
- 7. THE PAY ITEM FOR SOLID SLAB SODDING INCLUDES QUANTITIES FOR PLACEMENT AND COMPACTION OF SUITABLE BACKFILL AND SOD AT EXISTING GRASS AREAS WHICH MAY BE DAMAGED DURING CONSTRUCTION OF CURBS, SIDEWALKS, DRIVEWAYS, AND OTHER MISCELLANEOUS ITEMS. THE QUANTITIES ARE BASED ON UTILIZING A 3 FOOT WIDE STRIP IN THESE AREAS. THE SOD SHALL BE OF LIKE KIND TO THE EXISTING SOD. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF DAMAGE TO EXISTING GRASS THAT EXCEEDS THESE LIMITS.
- 8. PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION
- 9. COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS PER 10 SQ YDS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.
- 10. ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED.
- 11. THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED. NO PAYMENT WILL BE MADE FOR CURB AND/OR GUTTER THROUGH DRIVEWAYS AND INLETS.
- 12. INCLUDES ALL COST OF DOWEL BARS, STEEL FOR REINFORCED PANELS, SAWED JOINTS, AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.
- 13. CURB, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE DRIVEWAY.
- 14. THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF MOORE STANDARDS.
- 15. ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE CITY OF MOORE, 405-793-5070
- 16. THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE INCLUDED.
- 17. ALL HOUSE NUMBERS SHALL BE REPLACED/ REESTABLISHED THROUGHOUT PROJECT LIMITS.

 COST TO BE INCLUDED IN "CLEAR AND RESTORE". CONTRACTOR SHALL REESTABLISH DRAINS,

 ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF

 MOORE STANDARDS.
- 18. ALL REINFORCED CONCRETE PIPE AND MANHOLES TO BE SUPPLIED WITH AN OMNI-FLEX JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED.
- 19. QUICK SET FLOWABLE FILL TO BE USED TO BACKFILL AROUND STREET CURB INLETS AND PIPES AS DIRECTED BY THE ENGINEER.
- 20. ALL INLETS COMPLETE IN PLACE SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. NO BRICK INLETS SHALL BE ALLOWED. THIS PAY ITEM INCLUDES INLET FRAME, GRATE, HOOD AND CONCRETE.
- 21. NO MASONRY STRUCTURES SHALL BE CONSTRUCTED WITHIN THE RIGHT OF WAY.
- 22. ADDITIONAL DEPTH IN INLET SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING 3.71 VERTICAL FT, CALCULATED FROM THE CENTER ELEVATION OF THE LOWEST CAST IRON CURB TO THE FLOWLINE OF THE OUTLET PIPE.
- 23. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
- 24. IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR

DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.

25. THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.

- 26. N/A
- 27. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL REQUIRED FOR COMPLETION OF THE PROJECT.
- 28. THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.
- 29. ALL EXISTING DRAINAGE STRUCTURES SHALL BE CLEANED AND CLEARED OF ALL SEDIMENTATION AND DEBRIS TO THE RIGHT OF WAY. COST OF CLEARING SHALL BE INCLUDED IN THE PRICE RID.
- 30. PAY ITEM INCLUDES REMOVAL OF ALL STRUCTURES AND OBSTRUCTIONS WITHIN PROJECT LIMITS NOT SPECIFIED BY OTHER ITEMS OF WORK.
- 31. INCLUDES SAWING NOT INCLUDED IN OTHER ITEMS OF WORK.
- 32. STANDARD BEDDING MATERIAL TO BE TYPE A AGGREGATE BASE COMPACTED TO 95% STANDARD PROCTOR DENSITY. AGGREGATE BASE IN THE ROADWAY SHALL BE 98% MODIFIED PROCTOR.
- 33. ALL MANHOLES SHALL BE COMPLETE IN PLACE. THIS PAY ITEM INCLUDES FRAME, COVER, CONCRETE AND ALL OTHER INCIDENTALS REQUIRED FOR PLACEMENT.
- 34. MOBILIZATION FOR THE PROJECT IS TO BE INCLUDED IN THIS PAY ITEM. THE MAXIMUM ALLOWABLE AMOUNT WILL BE IN ACCORDANCE WITH THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION TABLE 641:1.
- 35. CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR "CLEARING AND RESTORING".
- 36. UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.
- 37. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.
- 38. ITEM TO INCLUDE THE REMOVAL AND REPLACEMENT OF MAIL BOXES, REPAIR OF PLANTERS, STAIRS, AND WALLS DISTURBED DURING CONSTRUCTION.
- 39. INCLUDES ALL COST OF FIELD COLLARS WHEN TYING INTO PROPOSED STRUCTURES.
- 40. ALL REINFORCING STEEL SHALL BE GRADE 60.
- 41. QUANTITIES ARE FOR CONCRETE COLLAR AT SANITARY SEWER AERIAL CROSSING.
- 42. PAY ITEM SHALL INCLUDE THE COST OF BACKFILLING THE VOID SPACES OF THE BLOCK WITH TOP SOIL.
- 43. ITEM SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO SEED ARTICULATING BLOCK REVETMENT SYSTEM AND OTHER AREAS SHOWN IN THE PLANS. SEE "PERMANENT EROSION CONTROL MEASURES" FOR SEEDING TYPES AND APPLICATION RATES.
- 44. QUANTITIES ARE FOR THE ARTICULATING BLOCK END TREATMENTS.
- 45. ALL PLASTIC PAVEMENT MARKINGS SHALL BE EITHER:

EXTRUDED—APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEED 55'F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.

OR

MULTI-POLYMER PAINT (USE ON CONCRETE PAVEMENT). MULTI-POLYMER PAVEMENT MARKINGS SHALL ONLY BE APPLIED 30 DAYS AFTER PAVING WHEN PAVEMENT SURFACE EXCEED 40°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION WITH A MINIMUM WIND CHILL TEMPERATURE OF 35°F. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION.

NO.	SPEC NO.	DESCRIPTION	NOTES	UNIT	QUANTI
1	221	NLET PROTECTION	6	LF	36
2	509	CLASS A CONCRETE	41	CY	2
3	509	CLASS C CONCRETE	44	CY	145
4	602	ARTICULATING CONCRETE BLOCK	42,43	SY	1317
5	613	24" CONCRETE END TREATMENT (CLASS A CONC.)		EA	1
6	613	(SP) 24" CORRUGATED POLYPROPYLENE PIPE	19,39	LF	7
7	OKC-109	SWPPP DOCUMENTATION AND MANAGEMENT	6,37	LSUM	1
8	OKC-200	UNCLASSIFIED EXCAVATION	4,25,36	CY	1326
9	OKC-201	EMBANKMENT		CY	446
10	OKC-212	TRENCH EXCAVATION AND BACKFILL (0' TO 10')		CY	52
11	OKC-215	ROCK BACKFILL	32	CY	32
12	OKC-222	CEMENTITIOUS STABILIZED SUBGRADE	2	SY	1598
13	OKC-302	RHM - ASPHALTIC CONCRETE (S4-PG64-22 OK) (2 INCHES THICK)		SY	1252
14	OKC-304	P.C. CONCRETE PAVEMENT (9" DOWEL JOINTED)	12,40	SY	1252
15	OKC-305	CURB & GUTTER (2'-8")(6" BARRIER)	11,13,40	LF	933
16	OKC-729	SHEET ALUMINUM PANEL SIGNS		SF	13
17	OKC-733	SQUARE STEEL POST SIGN		EA	4
18	OKC-735	TRAFFIC STRIPE (PLASTIC) (YELLOW) (4" WIDE)	45	LF	1025
19	OKC-735	TRAFFIC STRIPE (PLASTIC) (WHITE) (24" WIDE)	45	LF	12
20	OKC-801	CONSTRUCTION STAKING	3.28	LSUM	1
21	OKC-802	CONSTRUCTION TRAFFIC CONTROL	23,24,27	LSUM	1
22	OKC-809	MOBILIZATION	34	LSUM	1
23	OKC-810	CLEARING AND RESTORING	1,4,5,8,17,29,35,38	LSUM	1
24	OKC-811	REMOVE EXIST. HEADWALL & WINGWALL	4,10	EA	1
25	OKC-811	STRUCTURE REMOVAL (INLET)	4,10	EA	1
26	OKC-811	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	4,10,30,31	LSUM	1
27	OKC-812	REMOVE SIDEWALK	4,10	SY	223
28	OKC-812	REMOVE GUARDRAIL	4.10	LF	276
29	OKC-812	REMOVE RIPRAP	4,10	SY	60
30	OKC-812	REMOVE CURB & GUTTER	4.10	LF	95
31	OKC-812	CONCRETE PAVEMENT REMOVAL	4,10	SY	158
32	OKC-812	ASPHALT PAVEMENT REMOVAL	4,10	SY	1290
33	OKC-812	REMOVE DRIVEWAY	4,10	SY	415
34	OKC-819	ADJUST EXISTING STRUCTURE (SANITARY SEWER MANHOLE)	15,16,21,33	EA	1
35	OKC-820	SAWCUT PAVEMENT	10,10,21,00	LF	1832
36	OKC-823	SIDEWALK	12,13	SY	471
37	OKC-823	6" P.C. CONC. DRIVEWAY (HES)	12,13	SY	415
38	OKC-827	BEAM-TYPE GUARDRAIL (SINGLE)	12,10	LF	381
39	OKC-827	NEW GUARDRAIL EXTRUDER TERMINAL		EA	2
40	OKC-827	SOLID SLAB SODDING (U-3 BERMUDA)	7,9	SY	1536
41	OKC-840	TACTILE MARKERS/TRUNCATED DOMES	7,5	SF	10
41	OKC-971	FILTER FABRIC SILT FENCE-COMPLETE IN PLACE	6	LF	570
		RECESSED CURB INLET (RCI 1096)	14,16,18,20,21,22,33		
43 44	SPECIAL SPECIAL	ADD'L DEPTH IN INLET (RCI 1096)	14, 10, 10, 20, 21, 22, 33	EA VF	1
		, ,			
45	SPECIAL	PREFABRICATED ALUMINIZED METAL END SECTION FOR 12" CMP	1	EA	1

NORTH BRYANT AVE. FROM 10+00(SE4th Street) to Sta. 15+00

PAY ITEM NOTES

SOUTH BRYANT STREET REHAB

CITY OF MOORE

SHEET:

3 OF 32

	DRIVEWAY SUMMARY										
PLAN SHEET NO.	DRIVEWAY NO.	STREET	STATION	OFFSET	AREA (SF)						
27	1	S BRYANT	11+93.67	79.22L	1152.21						
27	2	S BRYANT	12+54.92	65.90L	525.39						
27	3	S BRYANT	13+52.04	34.34L	646.81						
27	4	S BRYANT	14+34.14	48.19L	1017.20						

	MAILBOX SUMMARY											
PLAN SHEET NO.	NO.	STREET	EXISTING STATION	EXISTING OFFSET	ACTION	PROPOSED STATION	PROPOSED OFFSET					
24	1	S BRYANT	11+74.79	6.21L	REMOVE AND RESET	11+84.09	14.00L					
24	2	S BRYANT	12+89.17	6.36L	REMOVE AND RESET	12+71.31	14.75L					
24	3	S BRYANT	13+38.49	5.38L	REMOVE AND RESET	13+45.32	14.75L					
25	4	S BRYANT	14+19.41	4.25L	REMOVE AND RESET	14+27.45	14.75L					

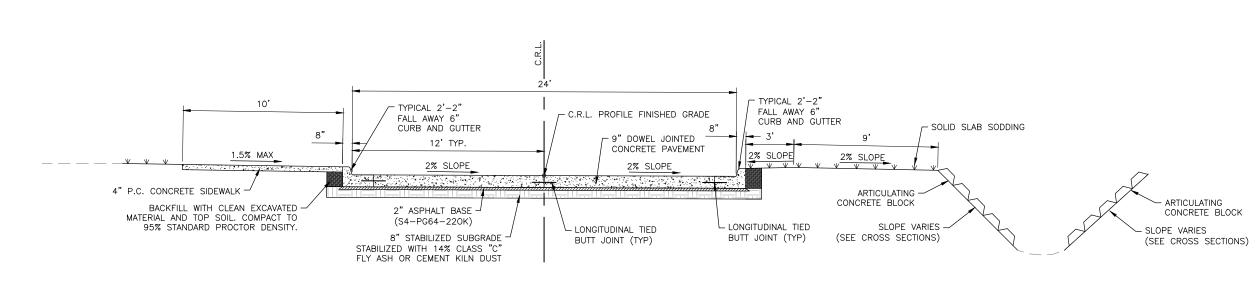
	CITY OF MOORE N BRYANT STREET IMPROVEMENTS																								
	INLET SUMMARY TABLE																								
STRUCTURE NO.	CRL STATIO N	SUMP/GRAD E CONDITION	INLET DESIGN	DRAINAGE AREA	AREA (ACRE)	C VALUE	REACH OVERLAND (FT)	SLOPE OVERLAND (%)	VELOCITY OVERLAND (FPS)	REACH CHANNEL (FT)	SLOPE CHANNEL (%)	VELOCITY CHANNEL (FPS)	REACH PAVING (FT)	SLOPE PAVING (%)	VELOCITY PAVING (FPS)	Tc (MINUTES)	150 (IN/HR)	Q50 (CFS)	SUM Q50 PLUS BYPASS AT INLETS (CFS)	DEPTH AT INLET (FT)	WIDTH AT INLET (FT)	INLET CAPTURE (CFS)	BYPASS Q50 (CFS)	DOWNSTREA M STRUCTURE	BYPASS TO
ST1	11+99. 07	SUMP	RCI 1096	DA-26	2.29	0.50	120	1.33	0.81	295	2.20	2.21	272	1.10	2.08	6.9	9.2	10.59	13.19	0.83	8.00	13.19	0.00	OF1	N/A

SOUTH	BRY	/ANT	STREET	REF	IAB
	CIT	′ OF	MOORE		
ANS AND ESTI MESHEK 7 S. BOULDER AV	. &	ASS	ED BY: OCIATES, D TULSA, DK 74119	L.]	L.C.
DEL COLONI					
REVISION	BY	DATE	DRAWN	AD	07/22
REVISION	BA	DATE	DRAWN DESIGNED	AD AD	07/22
REVISION	BY	DATE			

SHEET: 4 **OF** 32

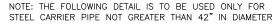
SUMMARY SCHEDULES

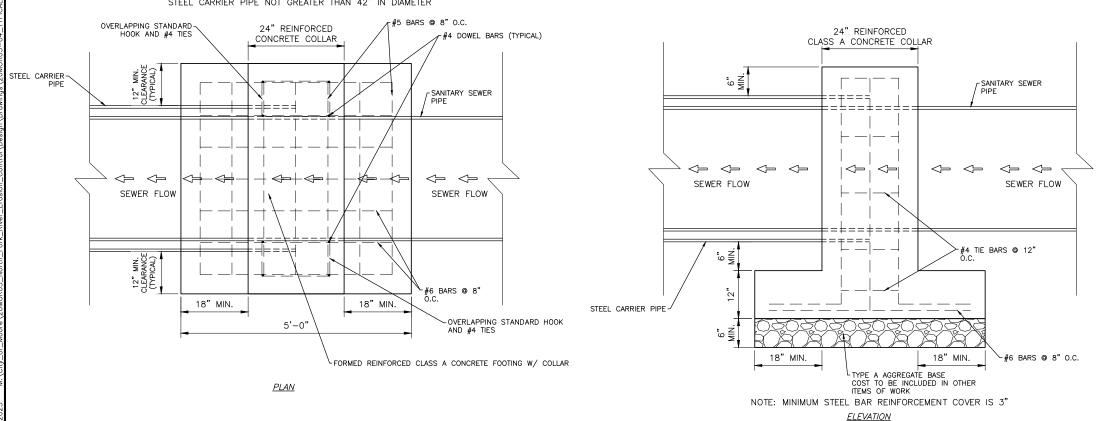
0//U5/2U25 M:\Gity_ot_Moore\2UMURU3_Nortn_Fork_River_Erosion_Control\Design\Urawings\2UM



PROPOSED DOWEL JOINTED CONCRETE SECTION SCALE: NONE

CRL STA.11+83.69 TO STA.14+64.08





NOTE: CONCRETE COLLAR WITH SPREAD FOOTINGS AND PIERS ARE TO INCLUDE ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION. ALL CONCRETE TO BE CLASS A. COST OF PIPE SADDLE & HOLD-DOWN STRAP, ANCHOR BOLTS, SPACERS, NON-SHRINK GROUT, TYPE A AGGREGATE BASE, CLASS A CONCRETE AND REINFORCING STEEL TO BE INCLUDED IN THE COST OF CLASS A CONCRETE AND REINFORCING STEEL TO BE INCLUDED IN THE COST OF STEEL MATERIALS TO BE 316L OR A4.

TYPICAL SECTIONS

SOUTH BRYANT STREET REHAB

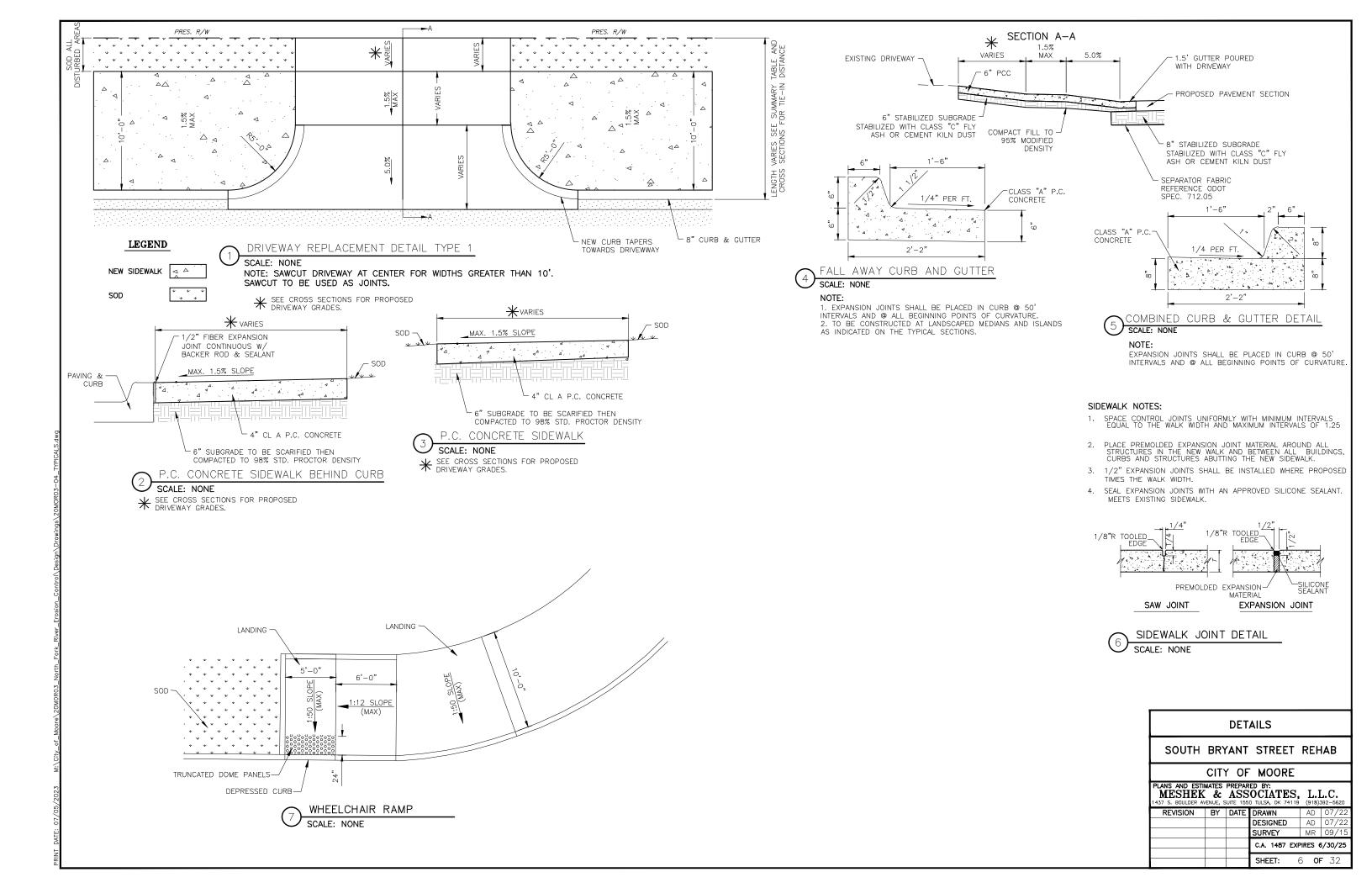
CITY OF MOORE

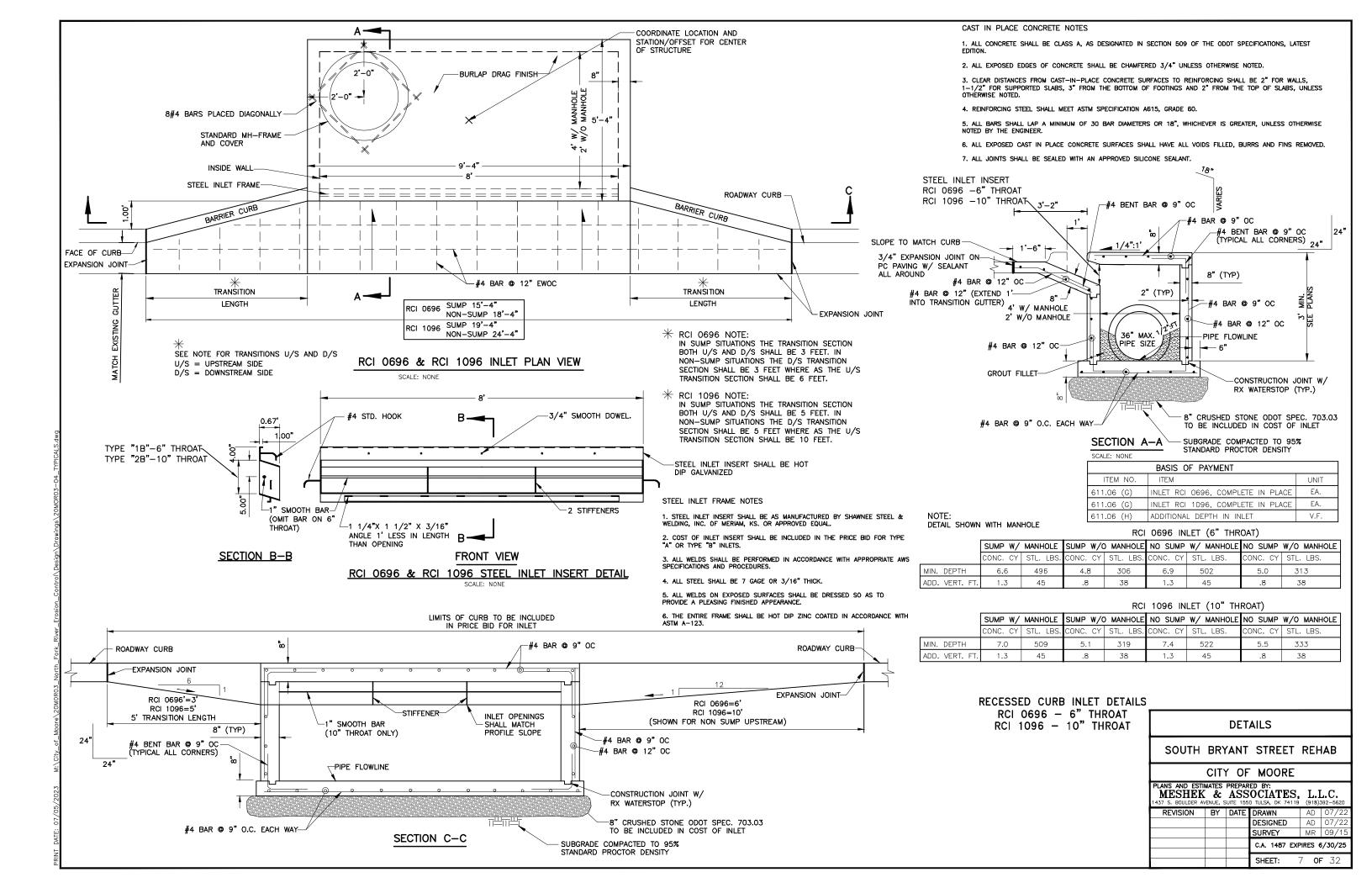
PLANS AND ESTIMATES PREPARED BY:

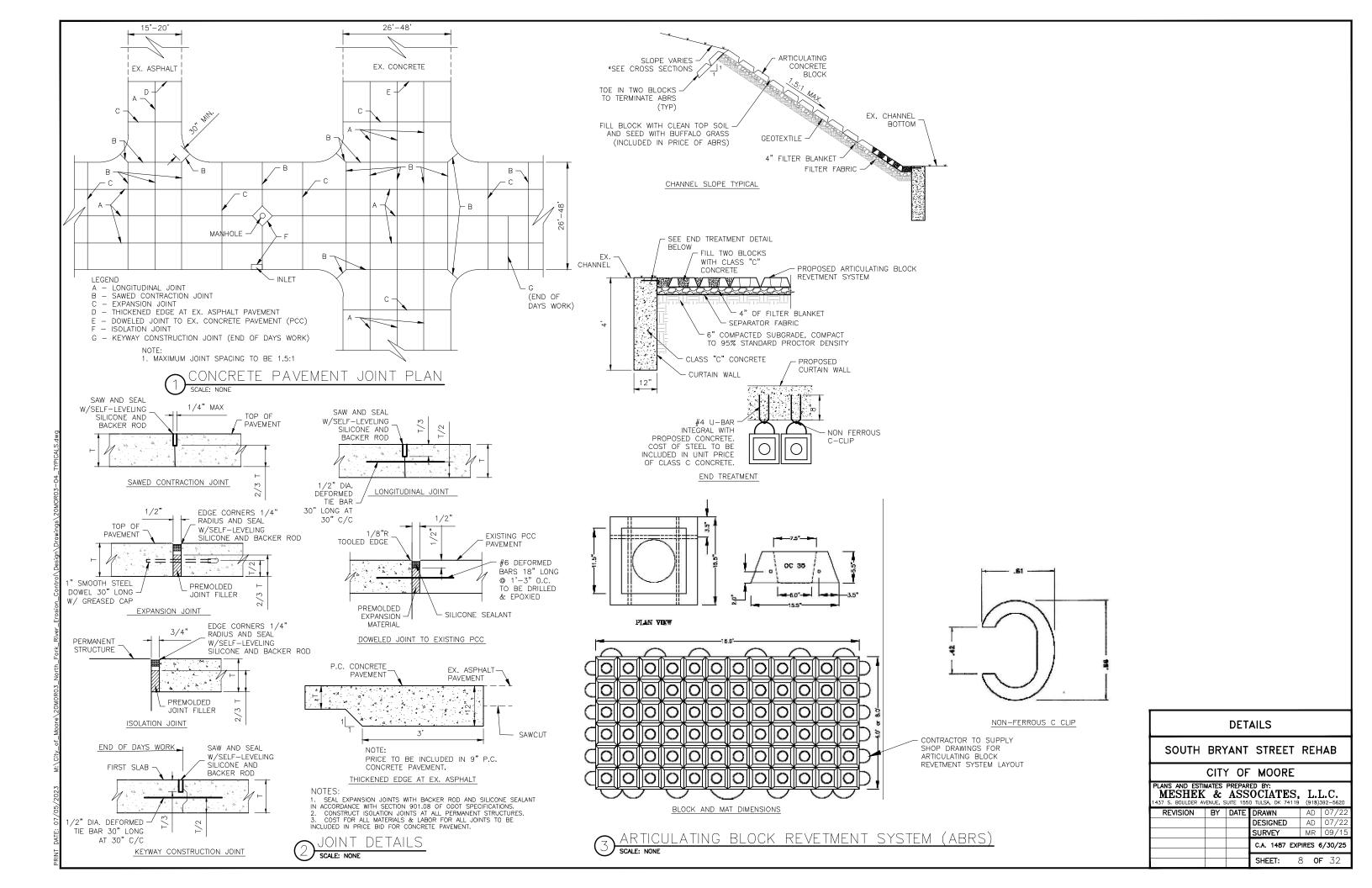
MESHEK & ASSOCIATES, L.L.C.

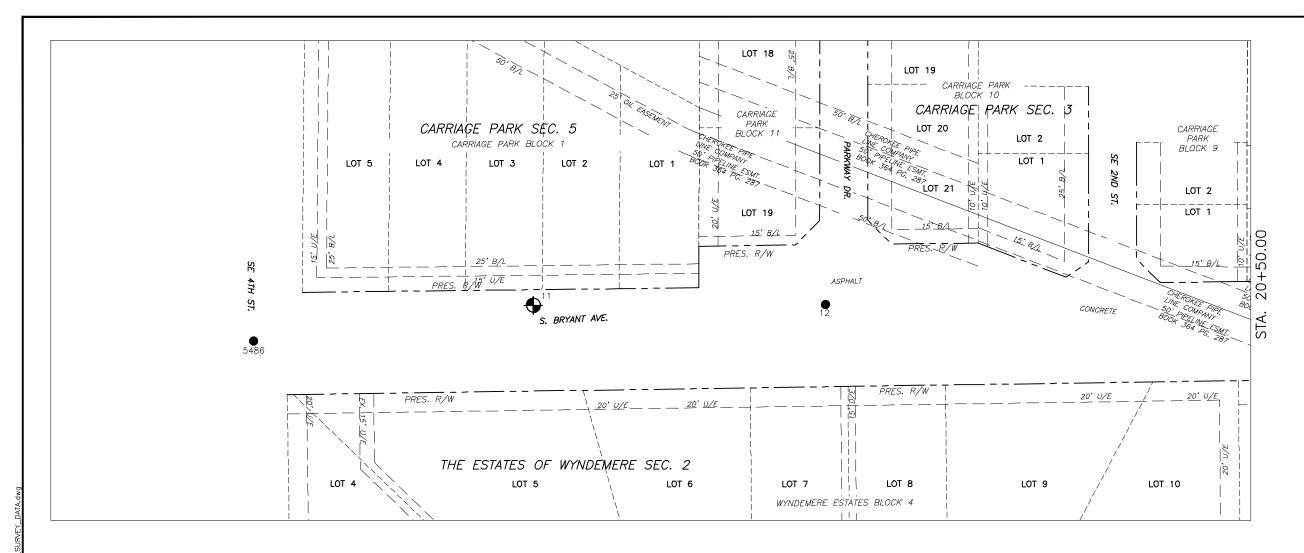
1437 S. BOULDER AVENUE, SUITE 1550 TULSA, OK 74119 (918)392-562

\bigcirc	CONCRETE	COLLAR	WITH	SPREAD	FOOTING
	SCALE: NONE				









SURVEY CONTROL												
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION						
BM-11	13+00.07	5.39LT	728908.38	2129782.28	1177.33	RBS 1/2"						
CP-12	16+03.86	9.37RT	729212.55	2129781.34	1179.54	RBS 1/2"						
CP-5486	10+06.76	6.47RT	728617.11	2129819.44	1178.33	RB 1" COPPER MDA 3046						

I, MICHAEL ROYCE, OF MESHEK & ASSOCIATES, LLC, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL AND BOUNDARY SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS."

I FURTHER CERTIFY, THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

DATE: 11/16/2022

MICHAEL ROYCE
REGISTERED PROFESSIONAL LAND SURVEYOR
OKLAHOMA L.S. 1627

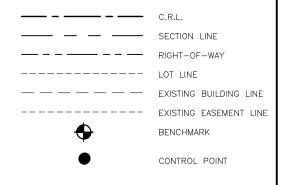
CERTIFICATE OF AUTHORIZATION NO. 1487 EXPIRES JUNE 30, 2023



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LEGEND



SOUTH BRYANT STREET REHAB

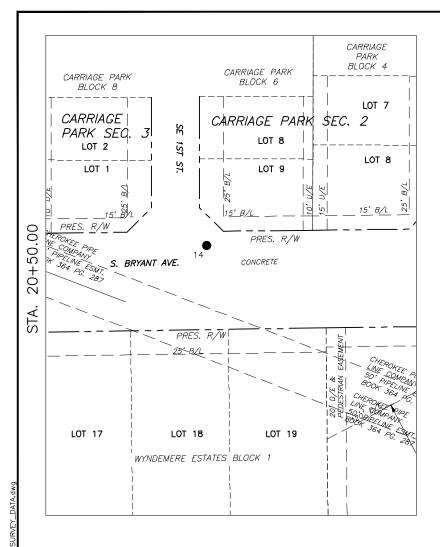
SURVEY DATA

CITY OF MOORE

PLANS AND ESTIMATES PREPARED BY:
Meshek & Associates, P.L.C.

				1437 S. Bou	lder Avenue, Sui	te 15	50 Tulsa,	OK 74119 (918)392-5620
	REVISION	BY	DATE	PLAN SCALE	DRAWN	AD	07/22	APPROVED:
				1" = 50'	DESIGNED	AD	07/22	
				1 = 50	SURVEY	MR	09/15	
				PROFILE SCALE	RECOMMENDED			
				HORIZONTAL:				
стП				N/A	DEVELOPMEN RECOMMENDED		RVICES	
СТ				VERTICAL:				
				N/A	DEPUTY	DIREC	TOR	PUBLIC WORKS DIRECTOR
Ш				FILE:	DRAWING:			DATE:
				ATLAS PAGE N	0.			SHEET 9 OF 33 SHEETS

NOTES:



SURVEY CONTROL									
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION			
CP-14	22+18.19	29.48LT	729823.30	2129770.26	1187.49	RBS 1/2"			

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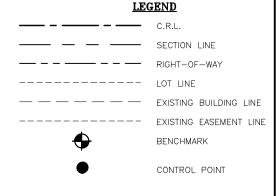
MICHAEL ROYCE REGISTERED PROFESSIONAL LAND SURVEYOR OKLAHOMA L.S. 1627

CERTIFICATE OF AUTHORIZATION NO. 1487 EXPIRES JUNE 30, 2023



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SOUTH BRYANT STREET REHAB

SURVEY DATA

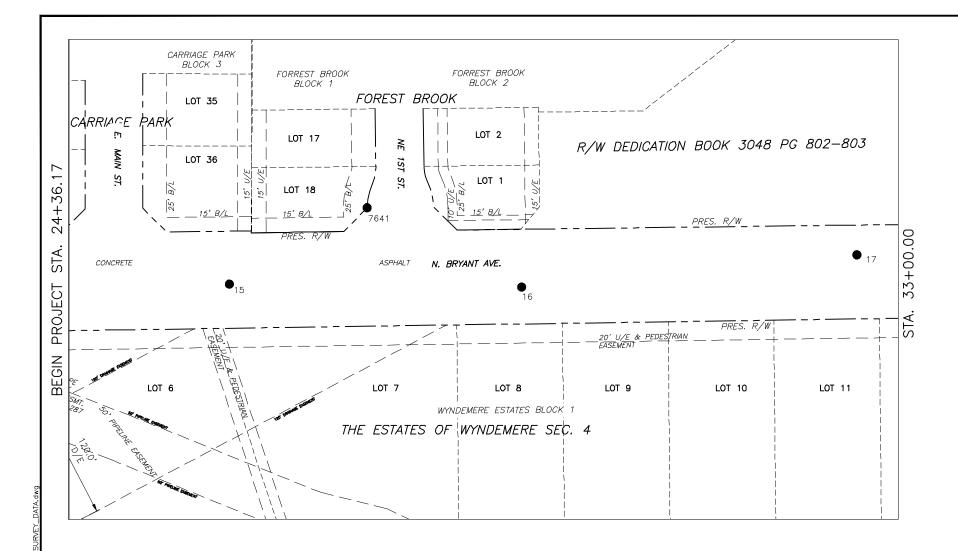
CITY OF MOORE

PLANS AND ESTIMATES PREPARED BY:

Meshek & Associates, P.L.C.

REVISION	BY	DATE	PLAN SCALE	DRAWN	AD	07/22	APPROVED:
				DESIGNED	AD	07/22	
			1" = 50'	SURVEY	MR	09/15	
			PROFILE SCALE	RECOMMENDED			
			HORIZONTAL:				
			N/A	DEVELOPMEN	NT SE	TVICES	
	\vdash		17/	RECOMMENDED			
			VERTICAL:	DEPUTY DIRECTOR			
			N/A			ror	PUBLIC WORKS DIRECTOR
			FILE:	DRAWING:			DATE:
			ATLAS PAGE N	0.			SHEET 10 OF 33 SHEETS

NOTES:



SURVEY CONTROL										
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION				
CP-15	26+03.54	11.29RT	730209.13	2129806.40	1187.99	RBS 1/2"				
CP-16	29+07.54	15.00RT	730513.38	2129809.39	1188.28	RBS 1/2"				
CP-17	32+58.88	13.37LT	730862.39	2129775.88	1189.22	RBS 1/2"				
CP-7641	27+46.91	68.29LT	730352.49	2129726.82	1190.27	RBB				

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LEGEND

C.R.L.

SECTION LINE

RIGHT-OF-WAY

LOT LINE

EXISTING BUILDING LINE

EXISTING EASEMENT LINE

BENCHMARK

CONTROL POINT

SOUTH BRYANT STREET REHAB

SURVEY DATA

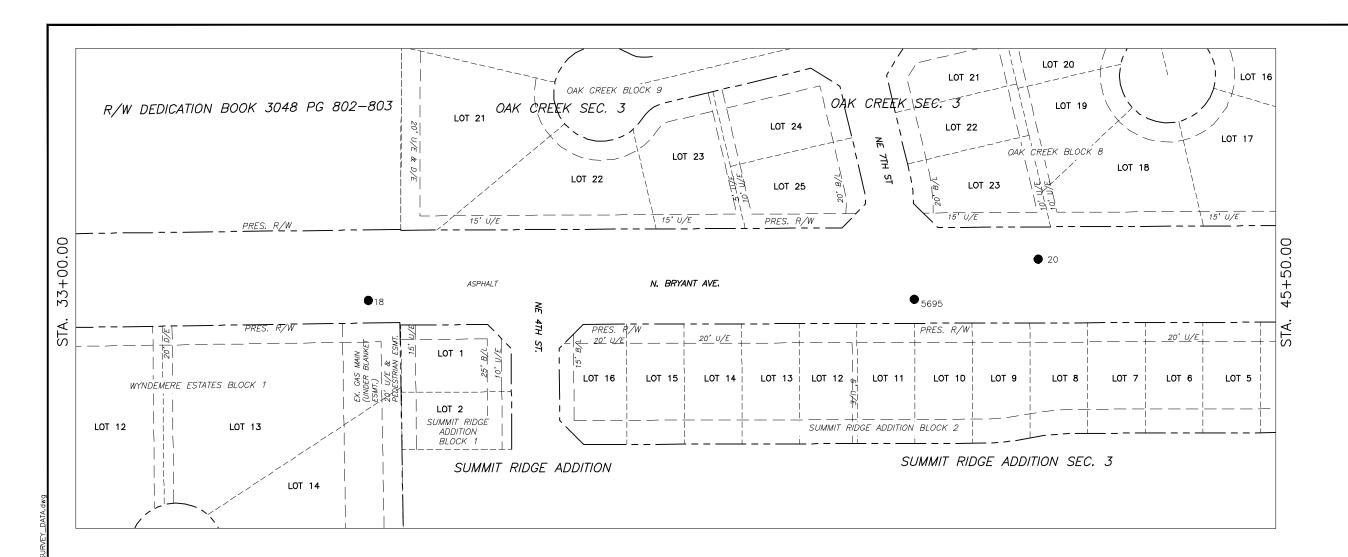
CITY OF MOORE

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			1" = 50'	DESIGNED	AD	07/22	
			1 = 50	SURVEY	MR	09/15	
			PROFILE SCALE	DEVELOPMENT SERVICES			
			HORIZONTAL:			A/ICES	
			N/A	RECOMMENDED			
			VERTICAL:				
			N/A	DEPUTY DIRECTOR DRAWING:			PUBLIC WORKS DIRECTOR
			FILE:				DATE:
			ATLAS PAGE N				SHEET 11 OF 32 SHEETS

NOTES:



	SURVEY CONTROL											
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION						
CP-19	39+51.44	16.76LT	731556.94	2129770.99	1192.76	RBS 1/2"						
CP-20	43+02.26	16.01LT	731907.76	2129770.99	1197.46	RBS 1/2"						
CP-5695	41+72.71	25.46RT	731778.80	2129812.74	1194.99	SXN						

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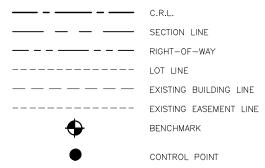
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LEGEND



SOUTH BRYANT STREET REHAB

SURVEY DATA

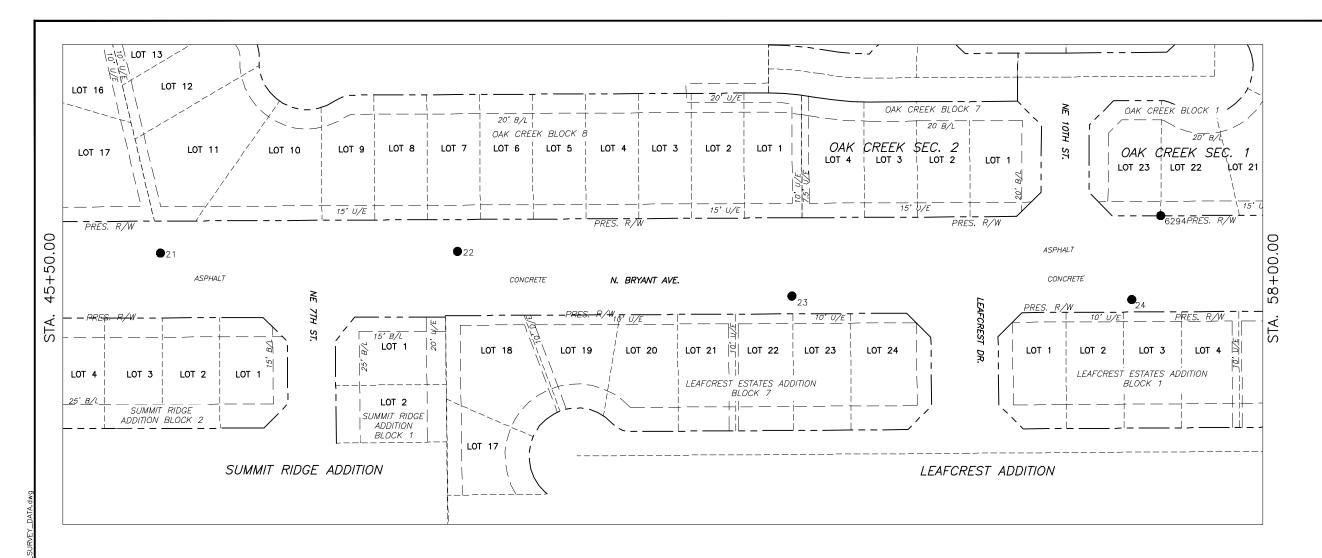
CITY OF MOORE

Meshek & Associates, P.L.C.

1437 S. Boulder Avenue, Suite 1550 Tulsa, OK 74119 (918)392-56

				(
	REVISION	BY	DATE	PLAN SCALE	DRAWN	AD	07/22	APPROVED:
				1" = 50'	DESIGNED	AD	07/22	
				1" = 50"	SURVEY	MR	09/15	
				PROFILE SCALE				
7				HORIZONTAL:				
1				N/A	DEVELOPMEN RECOMMENDED	DEVELOPMENT SERVICES		
ı					RECOMMENDED			
1				VERTICAL:				
ı				N/A	DEPUTY	DIREC	TOR .	PUBLIC WORKS DIRECTOR
1				FILE:	DRAWING:			DATE:
L				ATLAS PAGE N	0.			SHEET 12 OF 32 SHEETS

NOTES:



		S	URVEY CONTROL			
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-21	46+51.94	1.38LT	732257.44	2129768.87	1205.71	RBS 1/2"
CP-22	49+61.22	18.40LT	732566.71	2129767.18	1213.32	RBS 1/2"
CP-23	53+09.29	28.67RT	732914.88	2129813.50	1222.45	RBS 1/2"
CP-24	56+53.14	33.14RT	733268.75	2129817.22	1224.52	RBS 1/2"
CP-6294	56+93.49	54.09LT	733298.91	2129729.92	1223.50	RBB CAPCA1020

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- 4. THE HORIZONTAL AND VERTICAL DATUMS FOR THIS SURVEY ARE BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM OK SOUTH 3502 (2011) AND NAVD88 (GEOID 12B). THE SURVEYING METHODS USED ARE AVERAGED RTK GPS OBSERVATIONS ON THE SOURCE BENCHMARK OF BM-11.
- 5. REFER TO SHEET 9 FOR PROJECT EXTENTS. SURVEY DATA ON THIS SHEET IS FOR REFERENCE TO BENCHMARK AND CONTROL DATA ONLY.

LEGEND

C.R.L.

SECTION LINE

RIGHT-OF-WAY

LOT LINE

EXISTING BUILDING LINE

EXISTING EASEMENT LINE

BENCHMARK

CONTROL POINT

SOUTH BRYANT STREET REHAB

SURVEY DATA

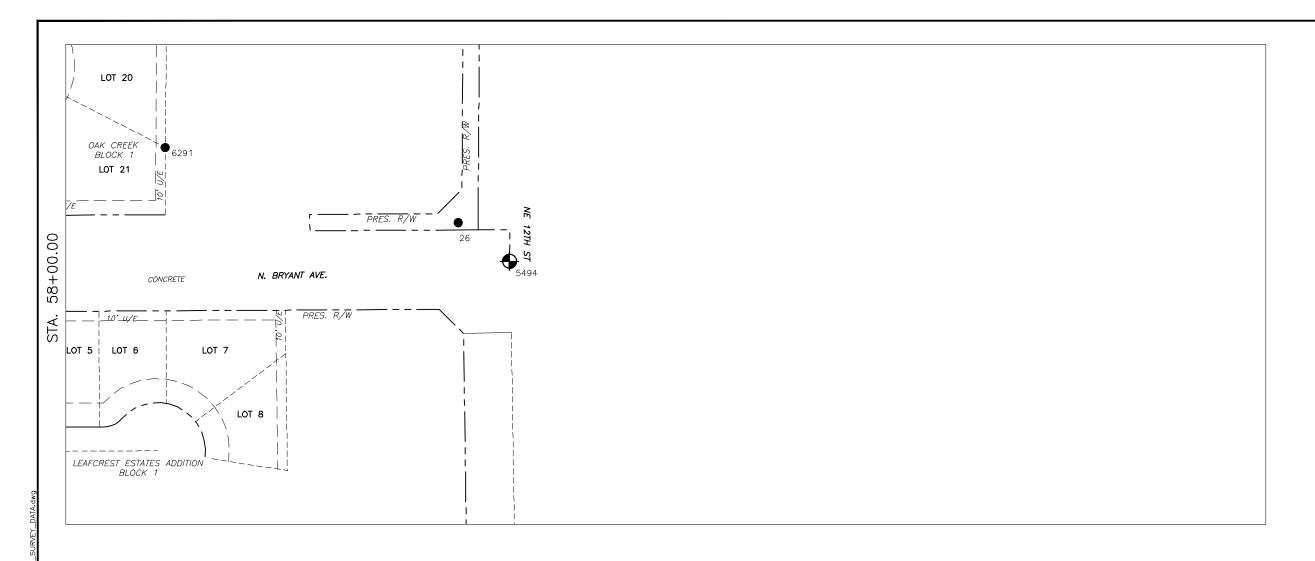
CITY OF MOORE

Meshek & Associates, P.L.C.

1437 S. Boulder Avenue, Suite 1550 Tulsa, OK 74119 (918)392-56

				1437 S. Bou	lder Avenue, Sui	te 15	50 Tulsa,	OK 74119 (918)392-5620
	REVISION	BY	DATE	PLAN SCALE	DRAWN	AD.	07/22	APPROVED:
				1" = 50'	DESIGNED	AD	07/22	
				1 = 50	SURVEY	MR	09/15	
				PROFILE SCALE	PROFILE SCALE RECOMMENDED			
7				HORIZONTAL:				
				N/A	DEVELOPMEN	NT SE	RVICES	
1		_		177	RECOMMENDED			
1				VERTICAL:	TICAL:			
1				N/A	DEPUTY	DIREC	FOR	PUBLIC WORKS DIRECTOR
1				FILE:	DRAWING:			DATE:
L				ATLAS PAGE N	D.			SHEET 13 OF 32 SHEETS

NOTES:



	SURVEY CONTROL											
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION						
CP-26	62+08.99	39.85LT	733814.31	2129737.14	1239.27	RBS 1/2"						
BM-5494	62+62.32	0.60RT	733867.74	2129777.44	1239.12	PK LEMKE CAS 6975						
CP-6291	59+03.90	124.60LT	733509.17	2129658.96	1228.44	RBB WITHCAP						

I, MICHAEL ROYCE, OF MESHEK & ASSOCIATES, LLC, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THAT THIS HORIZONTAL/VERTICAL CONTROL AND BOUNDARY SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION AND MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS."

I FURTHER CERTIFY, THE TOPOGRAPHICAL INFORMATION HEREON REPRESENTS A SURVEY PERFORMED UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

DATE: 11/16/2022

MICHAEL ROYCE REGISTERED PROFESSIONAL LAND SURVEYOR OKLAHOMA L.S. 1627

CERTIFICATE OF AUTHORIZATION NO. 1487 EXPIRES JUNE 30, 2023



NOTES

- 1. ABSTRACT OF TITLE OR ATTORNEY'S TITLE OPINION NOT AVAILABLE TO SURVEYOR AT DATE OF SURVEY.
- 2. THIS FIRM WAS NOT CONTRACTED TO RESEARCH EASEMENTS OR ENCUMBRANCES OF RECORD. NO ATTEMPT TO RESEARCH THE COUNTY RECORDS OR OTHER RECORD OFFICES WAS PERFORMED BY THIS FIRM, THEREFORE EASEMENTS MAY AFFECT THE SUBJECT TRACT THAT ARE NOT REFLECTED BY THIS PLAT.
- 3. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. (CALL "OKIE" BEFORE DIGGING!!)
- 4. THE HORIZONTAL AND VERTICAL DATUMS FOR THIS SURVEY ARE BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM OK SOUTH 3502 (2011) AND NAVD88 (GEOID 12B). THE SURVEYING METHODS USED ARE AVERAGED RTK GPS OBSERVATIONS ON THE SOURCE BENCHMARK OF BM-11.
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SOUTH BRYANT STREET REHAB

LEGEND

C.R.L.

SECTION LINE

RIGHT-OF-WAY

LOT LINE

— — — — — EXISTING BUILDING LINE

EXISTING EASEMENT LINE

BENCHMARK

CONTROL POINT

SURVEY DATA

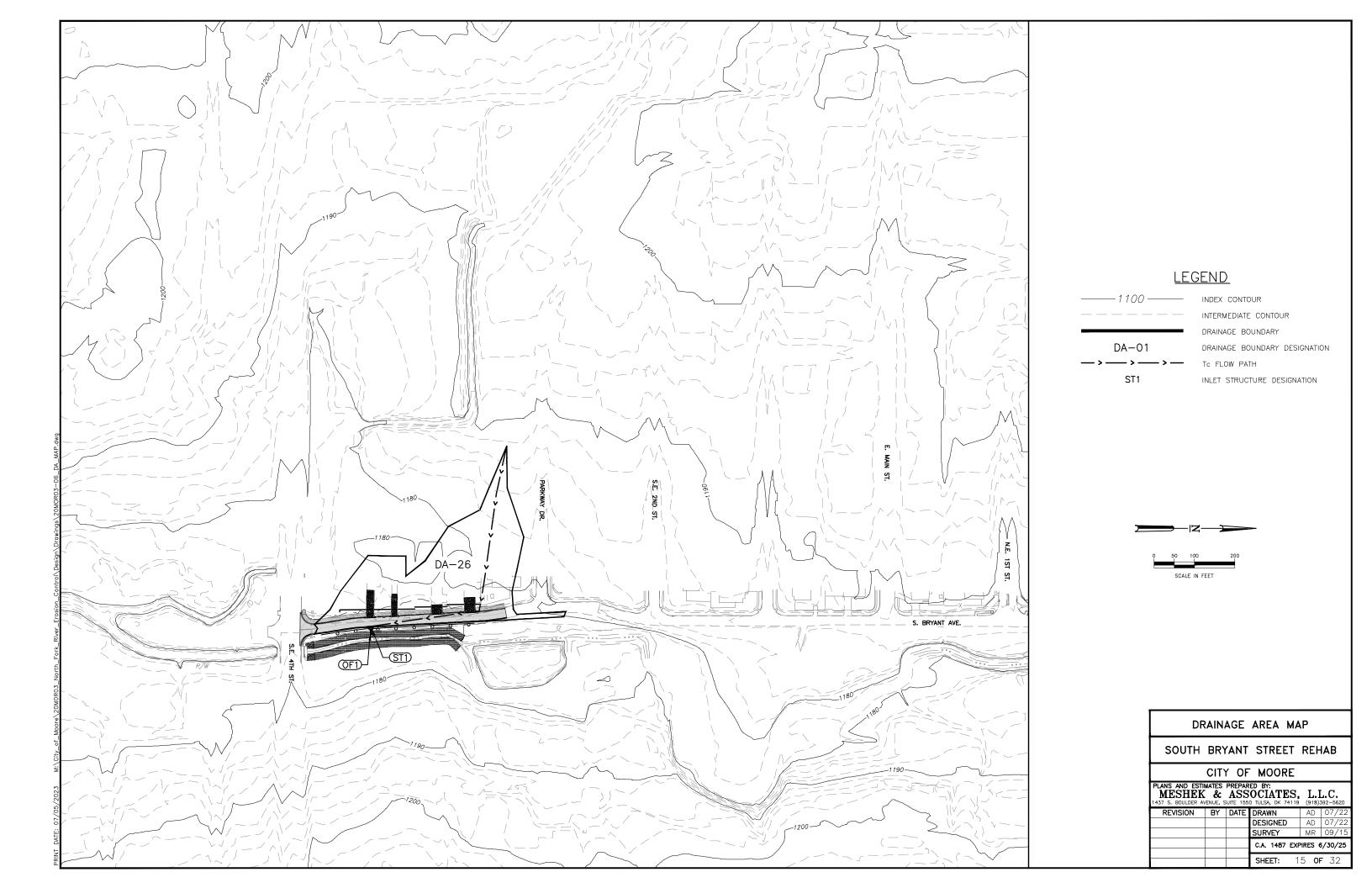
CITY OF MOORE

PLANS AND ESTIMATES PREPARED BY:

Meshek & Associates, P.L.C.

			1437 S. Boul	lder Avenue, Sui	te 15	50 Tulsa,	OK 74119 (918)392-5620
REVISION	BY	DATE	PLAN SCALE	DRAWN	AD	07/22	APPROVED:
			1" = 50'	DESIGNED	AD	07/22	
			1 = 50	SURVEY	MR	09/15	
			PROFILE SCALE	RECOMMENDED			
			HORIZONTAL:				
				DEVELOPMEN	NT SEI	RVICES	
			N/A	RECOMMENDED			
			VERTICAL:				
			N/A	DEPUTY	DIRECT	TOR	PUBLIC WORKS DIRECTOR
			FILE:	DRAWING:			DATE:
			ATLAS PAGE N	0.			SHEET 14 OF 32 SHEETS

NOTES:



STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION **EROSION AND SEDIMENT CONTROLS** PROJECT LIMITS: IN THE E/2 OF SECTION 13, TOWNSHIP 10 NORTH, RANGE 3 WEST AND IN THE W/2 SECTION 18, TOWNSHIP 10 NORTH, RANGE 2 WEST IN THE SOIL STABILIZATION PRACTICES: THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE CITY OF MOORE CLEVELAND COUNTY, OKLAHOMA. FOLLOWING: X TEMPORARY SEEDING X PERMANENT SODDING, SPRIGGING OR SEEDING MAINTENANCE AND INSPECTION: PROJECT DESCRIPTION: GRADING, DRAINAGE, SURFACING, AND EROSION CONTROL ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING VEGETATIVE MULCHING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR FOR THE CITY OF MOORE, OKLAHOMA. SOIL RETENTION BLANKET AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE X PRESERVATION OF EXISTING VEGETATION LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS. DRAINAGEWAYS. MATERIAL STORAGE. STRUCTURAL DEVICES. CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON EXAMPLES OF SITES THAT NEED TO BE INSPECTED. ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: WASTE MATERIALS: OR AS DIRECTED BY THE ENGINEER. PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. 1. TEMPORARY EROSION CONTROL MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION 2. FINAL GRADING. PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES. 3. INSTALL PERMANENT SODDING. STRUCTURAL PRACTICES: HAZARDOUS MATERIALS: STABILIZED CONSTRUCTION EXIT PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS X TEMPORARY SILT FENCE RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE X TEMPORARY SILT DIKES BUT ARE NOT LIMITED TO: PAINTS. ACIDS. CLEANING SOLVENTS. CHEMICAL ADDITIVES. CONCRETE CURING _ TEMPORARY FIBER LOG COMPOUNDS AND CONTAMINATED SOILS. _ DIVERSION, INTERCEPTOR OR PERIMETER DIKES __ DIVERSION, INTERCEPTOR OR PERIMETER SWALES A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION SOIL TYPE: B, C, & D DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS, AND SHALL BE PROVIDED BY THE CONTRACTOR. THIS ROCK FILTER DAMS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE __ TEMPORARY SLOPE DRAIN JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN TOTAL AREA OF THE CONSTRUCTION SITE: 1.10 ACRES FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE _____ PAVED DITCH W/ DITCH LINER PROTECTION __ TEMPORARY DIVERSION CHANNELS OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ESTIMATED AREA TO BE DISTURBED: __0.94 ACRES ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO __ TEMPORARY SEDIMENT BASINS IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM OFFSITE AREA TO BE DISTURBED: CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF TEMPORARY SEDIMENT TRAPS (FOR CONTRACTOR USE) HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, _ TEMPORARY SEDIMENT FILTERS CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 0.43 ACRES THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION. X TEMPORARY SEDIMENT REMOVAL RIP RAP THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD TOTAL IMPERVIOUS AREA X INLET SEDIMENT FILTER BE NOTED: POST-CONSTRUCTION: 0.48 ACRES ___ TEMPORARY BRUSH SEDIMENT BARRIERS 103.05 BONDING REQUIREMENTS POST-CONSTRUCTION RUNOFF _ SANDBAG BERMS 104.10 FINAL CLEANING UP COEFFICIENT OF THE SITE: 0.0 104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK _____ TEMPORARY STREAM CROSSINGS 104.13 ENVIRONMENTAL PROTECTION LATITUDE & LONGITUDE 106.08 STORAGE AND HANDLING OF MATERIAL OF CENTER OF PROJECT: 35.2051, -97.2733 107.01 LAWS, RULES AND REGULATIONS TO BE OBSERVED. 107.20 STORM WATER MANAGEMENT PROJECT WILL DISCHARGE TO: OFFSITE VEHICLE TRACKING: 220 MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION AND CONTROL 221 TEMPORARY SEDIMENT CONTROL NORTH FORK LITTLE RIVER, A TRIBUTARY TO LITTLE RIVER NAME OF RECEIVING WATERS: X HAUL ROADS DAMPENED FOR DUST CONTROL IN ADDITION: X LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN NO X SENSITIVE WATERS OR WATERSHEDS: "ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES X EXCESS DIRT ON ROAD REMOVED DAILY FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." 303 IMPAIRED WATERS: YES NO X ODEQ, WATER QUALITY DIVISION, SEPTEMBER 13, 2017. IF YES, LIST IMPAIRMENT: STORM WATER MANAGEMENT PLAN NOTES: YES X NO LOCATED IN A TMDL: SOUTH BRYANT STREET REHAB LAKE THUNDERBIRD TMDL: NO YES X NO M\$4 ENTITY MESHEK & ASSOCIATES, L.L.C. IF YES, LOCATION: OF1 - PRECAST CONCRETE END SECTION NOTE: REVISION BY DATE THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION

CONTROL SUMMARIES, PAY ITEMS, & NOTES.

REVISED 08 / 18 / 2017

CITY OF MOORE

DRAWN

SURVEY

SHEET:

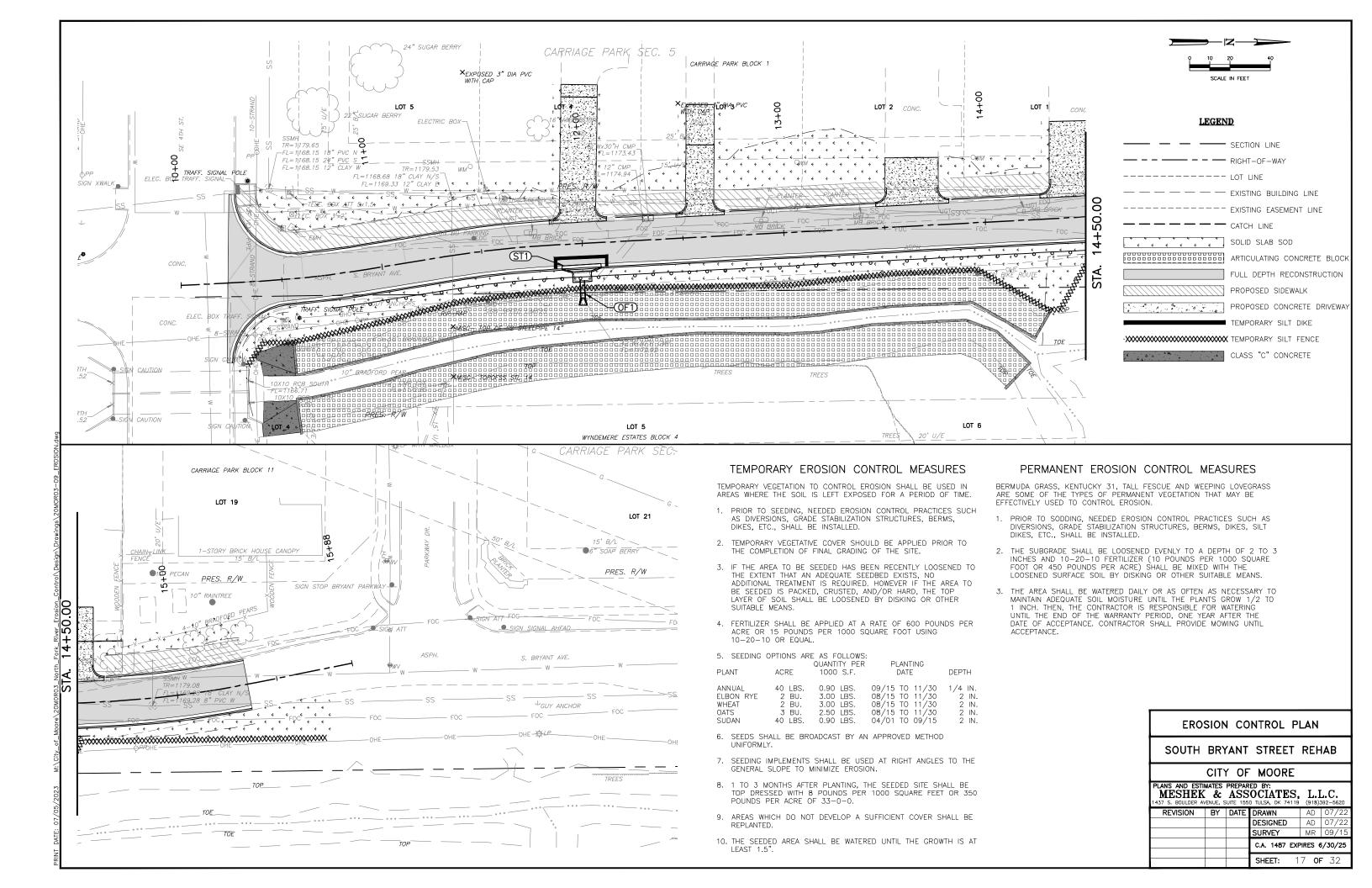
DESIGNED

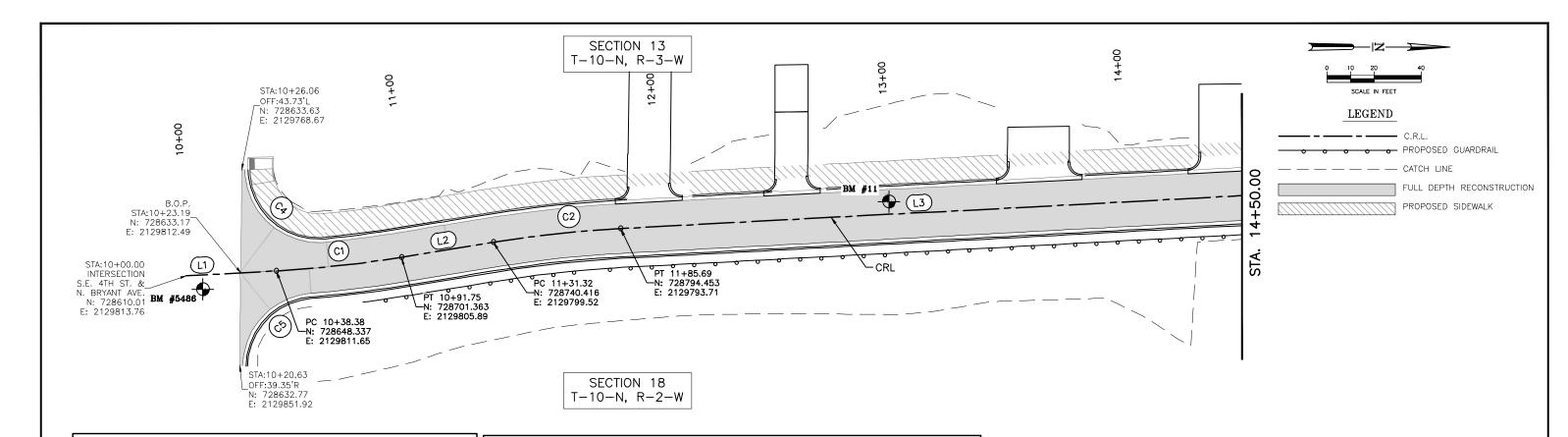
AD 07/22

AD

16 **or** 32

C.A. 1487 FXPIRES 6/30/25

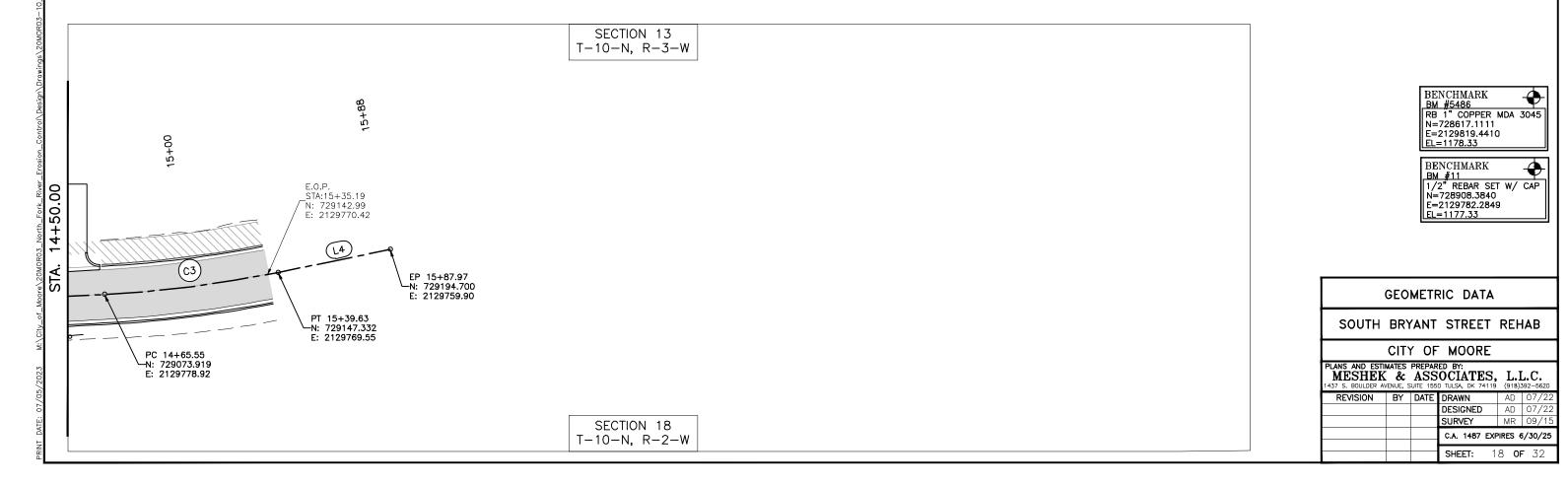


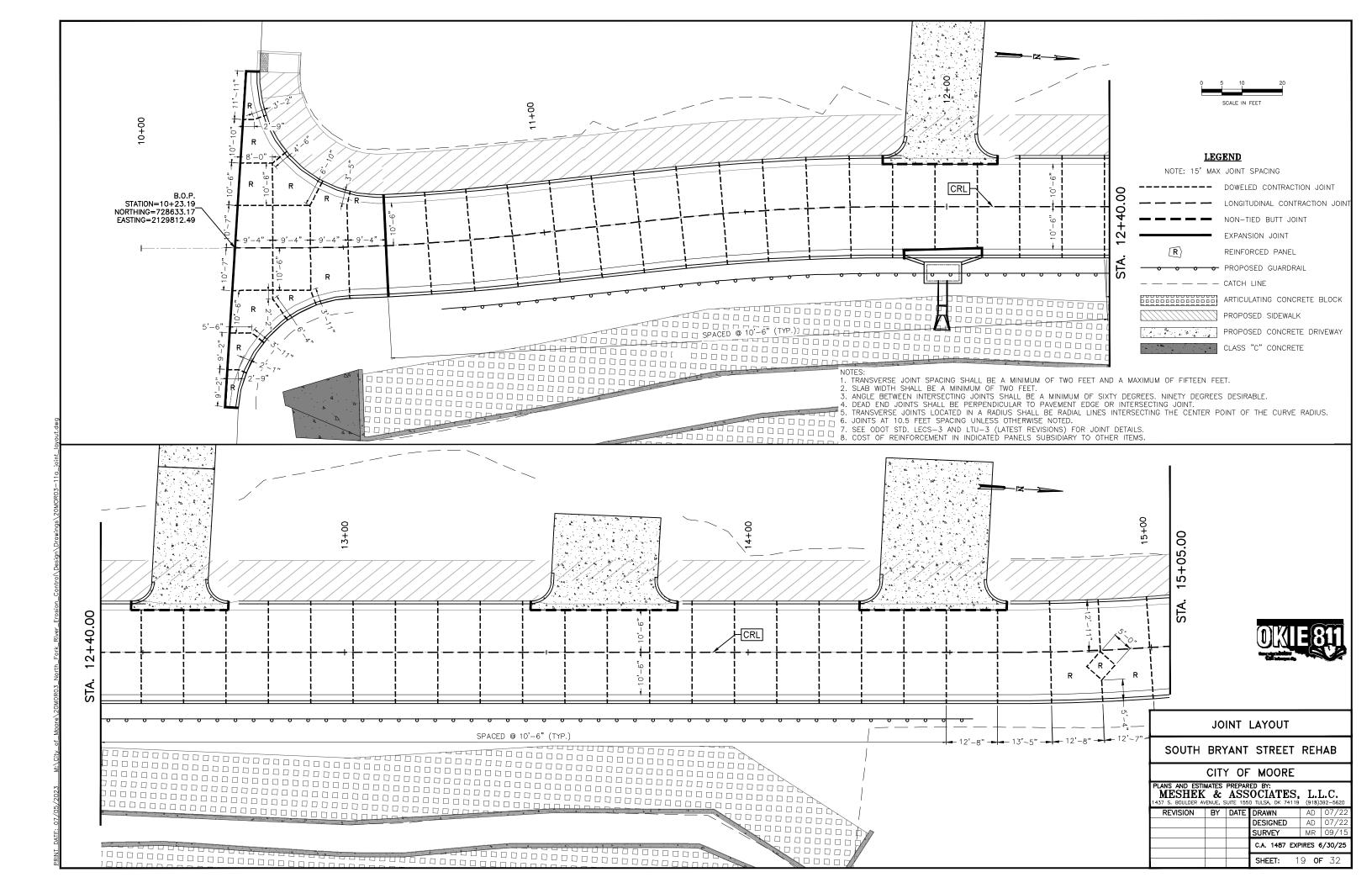


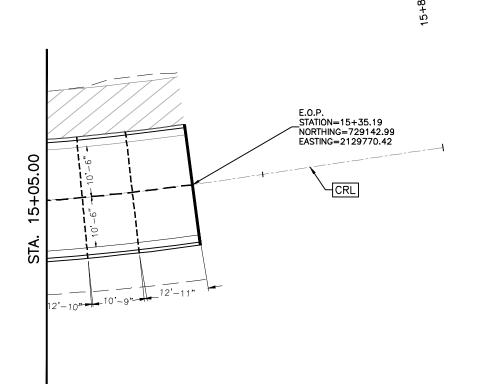
	S. BRYANT AVE. C.R.L. LINE DATA											
NO.	NO. LENGTH BEARING START POINT END POINT											
L1	38.38	N3° 08′ 40.23"W	728610.010, 2129813.759	728648.337, 2129811.654								
L2	39.57	N9° 15' 34.29"W	728701.363, 2129805.891	728740.416, 2129799.525								
L3	279.86	N3° 01' 42.42"W	728794.453, 2129793.708	729073.919, 2129778.922								
L4	48.34	N11° 31′ 00.92"W	729147.332, 2129769.553	729194.700, 2129759.902								

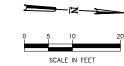
		S. BRYANT AVE. C.R.L. CURVE DATA												
	NO.	ARC LEN.	RADIUS	CHORD LENGTH	CHORD BEARING	START POINT	END POINT							
	C1	53.36	500.00	53.34'	N6° 12' 07"W	728648.34, 2129811.65	728701.36, 2129805.89							
	C2	54.38	500.00	54.35'	N6° 08' 38"W	728740.42, 2129799.52	728794.45, 2129793.71							
	С3	74.08	500.00	74.01	N7° 16' 22"W	729073.92, 2129778.92	729147.33, 2129769.55							
ł	C3	74.08	500.00	74.01'	N7° 16' 22"W	729073.92, 2129778.92	7291							

	INTERSECTION RADIUS DATA												
NO.	ARC LEN.	RADIUS	DELTA	TANGENT	RADIUS POINT NORTHING	RADIUS POINT EASTING							
C4	50.02	30.00	95°31'36"'	33.04	728666.31	2129768.15							
C5	45.13	30.00	86°11'32"'	28.07'	728665.41	2129852.58							







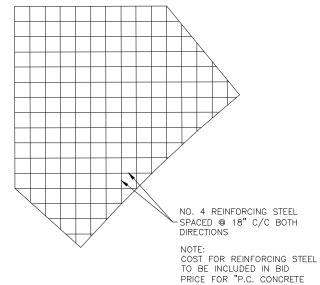


LEGEND

NOTE: 15' MAX JOINT SPACING

---- DOWELED CONTRACTION JOINT — — LONGITUDINAL CONTRACTION JOINT NON-TIED BUTT JOINT ISOLATION JOINT REINFORCED PANEL _ __ _ _ _ _ CATCH LINE ARTICULATING CONCRETE BLOCK PROPOSED SIDEWALK PROPOSED CONCRETE DRIVEWAY

CLASS "C" CONCRETE



FOR PAVEMENT"

REINFORCED PANEL DETAIL (NOT TO SCALE)

- NOTES:

 1. TRANSVERSE JOINT SPACING SHALL BE A MINIMUM OF TWO FEET AND A MAXIMUM OF FIFTEEN FEET.

 2. SLAB WIDTH SHALL BE A MINIMUM OF TWO FEET.

 3. ANGLE BETWEEN INTERSECTING JOINTS SHALL BE A MINIMUM OF SIXTY DEGREES. NINETY DEGREES DESIRABLE.

 4. DEAD END JOINTS SHALL BE PERPENDICULAR TO PAVEMENT EDGE OR INTERSECTING JOINT.

 5. TRANSVERSE JOINTS LOCATED IN A RADIUS SHALL BE RADIAL LINES INTERSECTING THE CENTER POINT OF THE CURVE RADIUS.

 6. JOINTS AT 10.5 FEET SPACING UNLESS OTHERWISE NOTED.

- 7. SEE ODOT STD. LECS—3 AND LTU—3 (LATEST REVISIONS) FOR JOINT DETAILS. 8. COST OF REINFORCEMENT IN INDICATED PANELS SUBSIDIARY TO OTHER ITEMS.



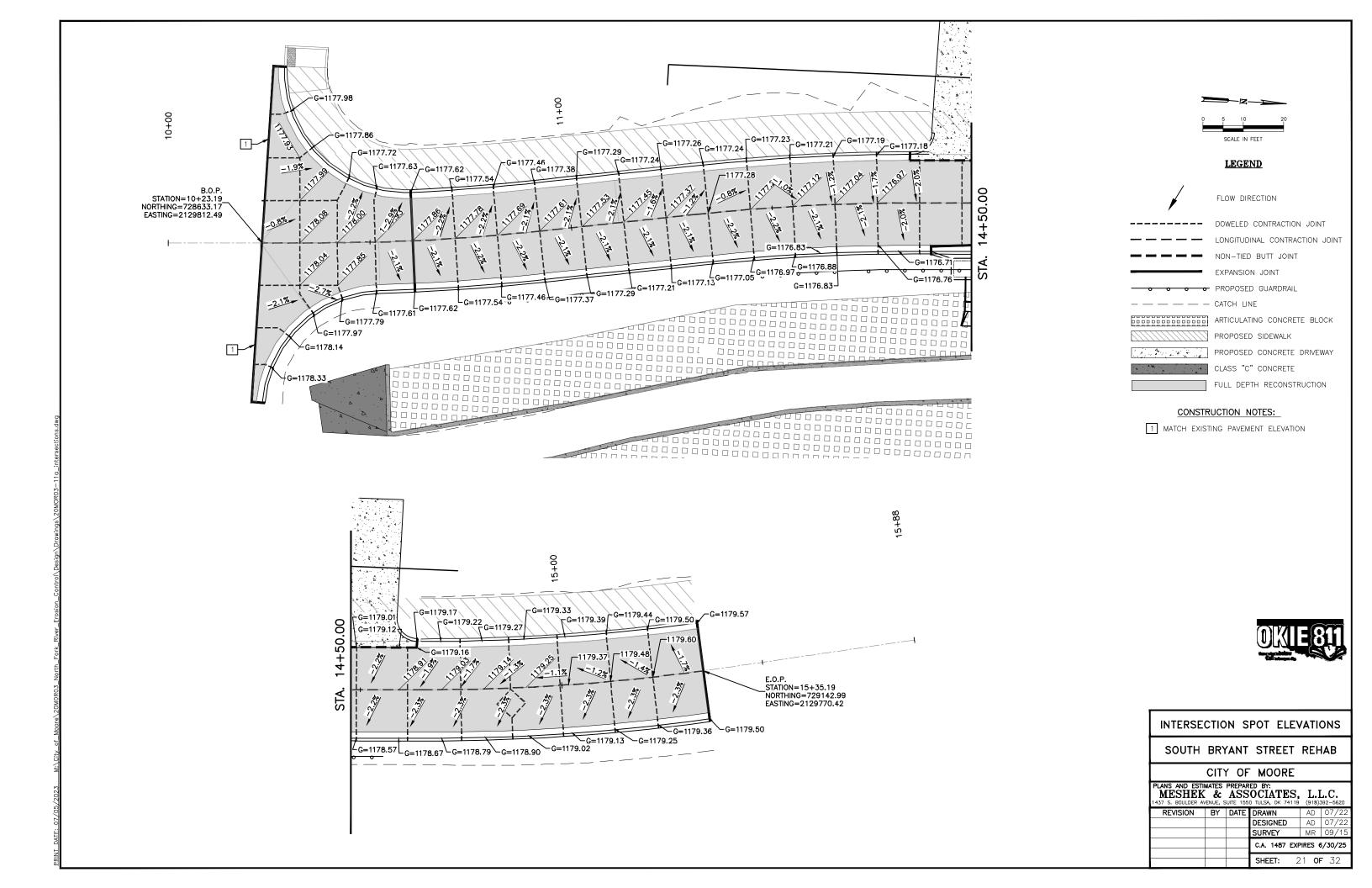
JOINT LAYOUT

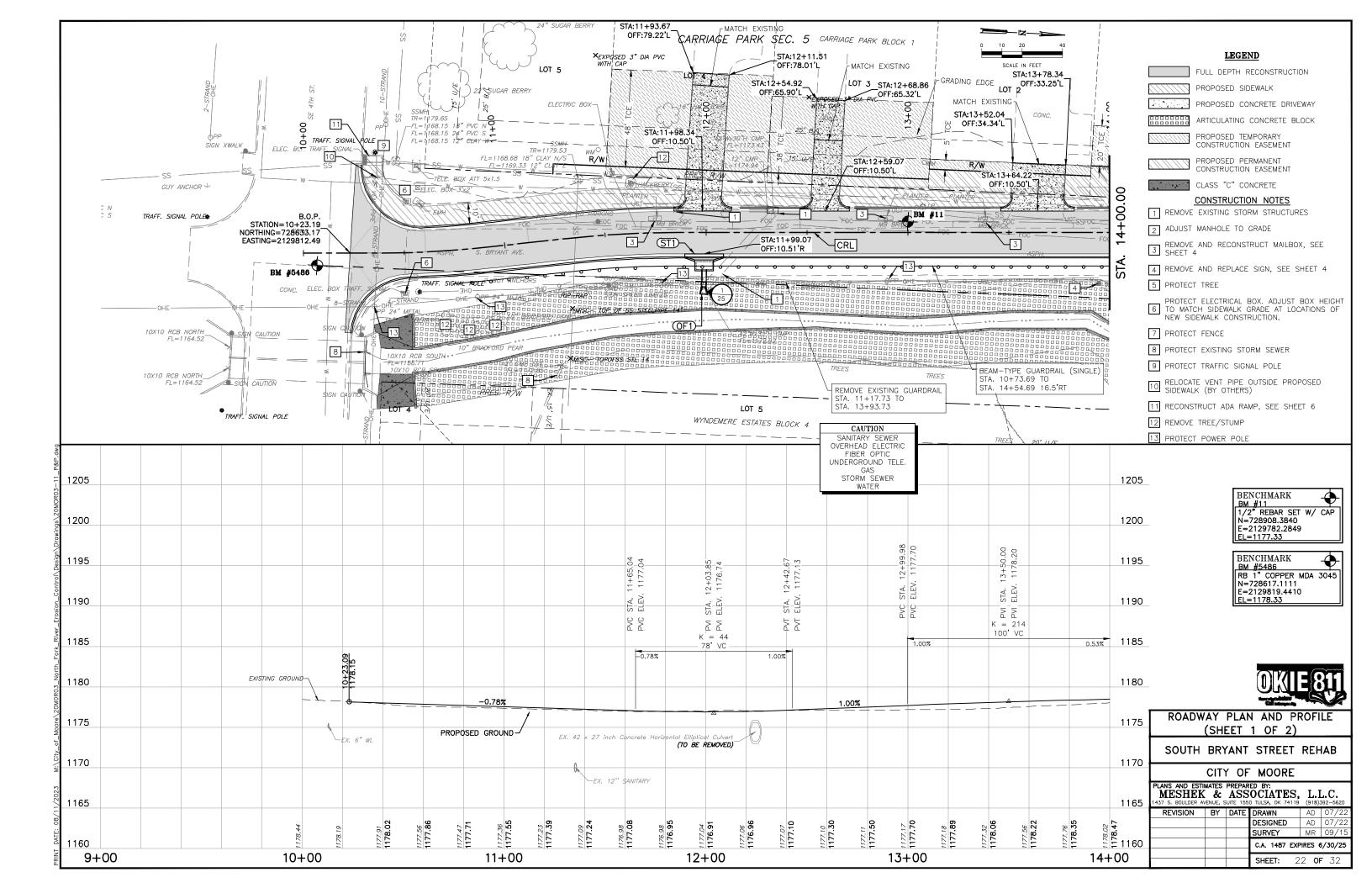
SOUTH BRYANT STREET REHAB

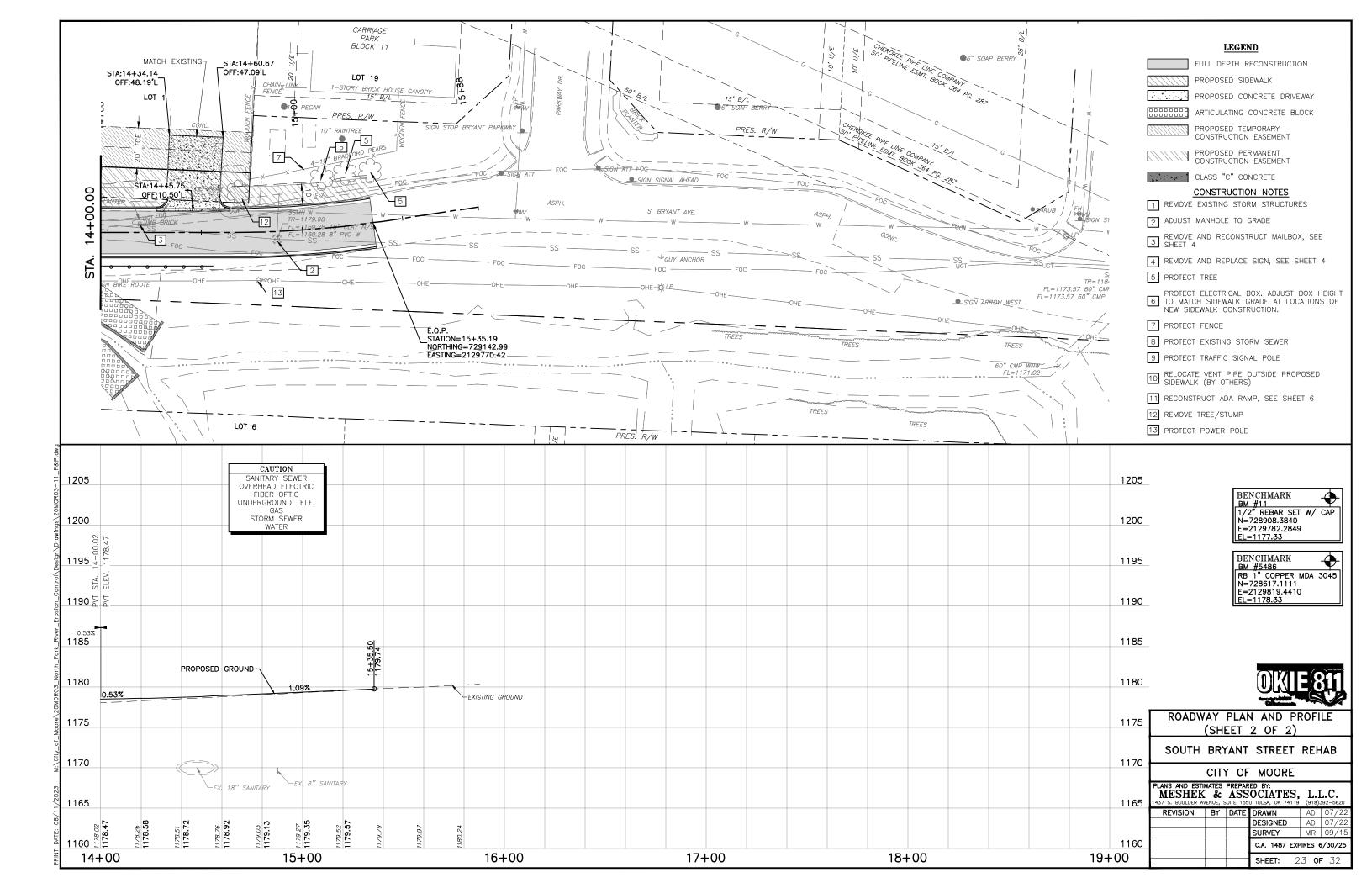
CITY OF MOORE

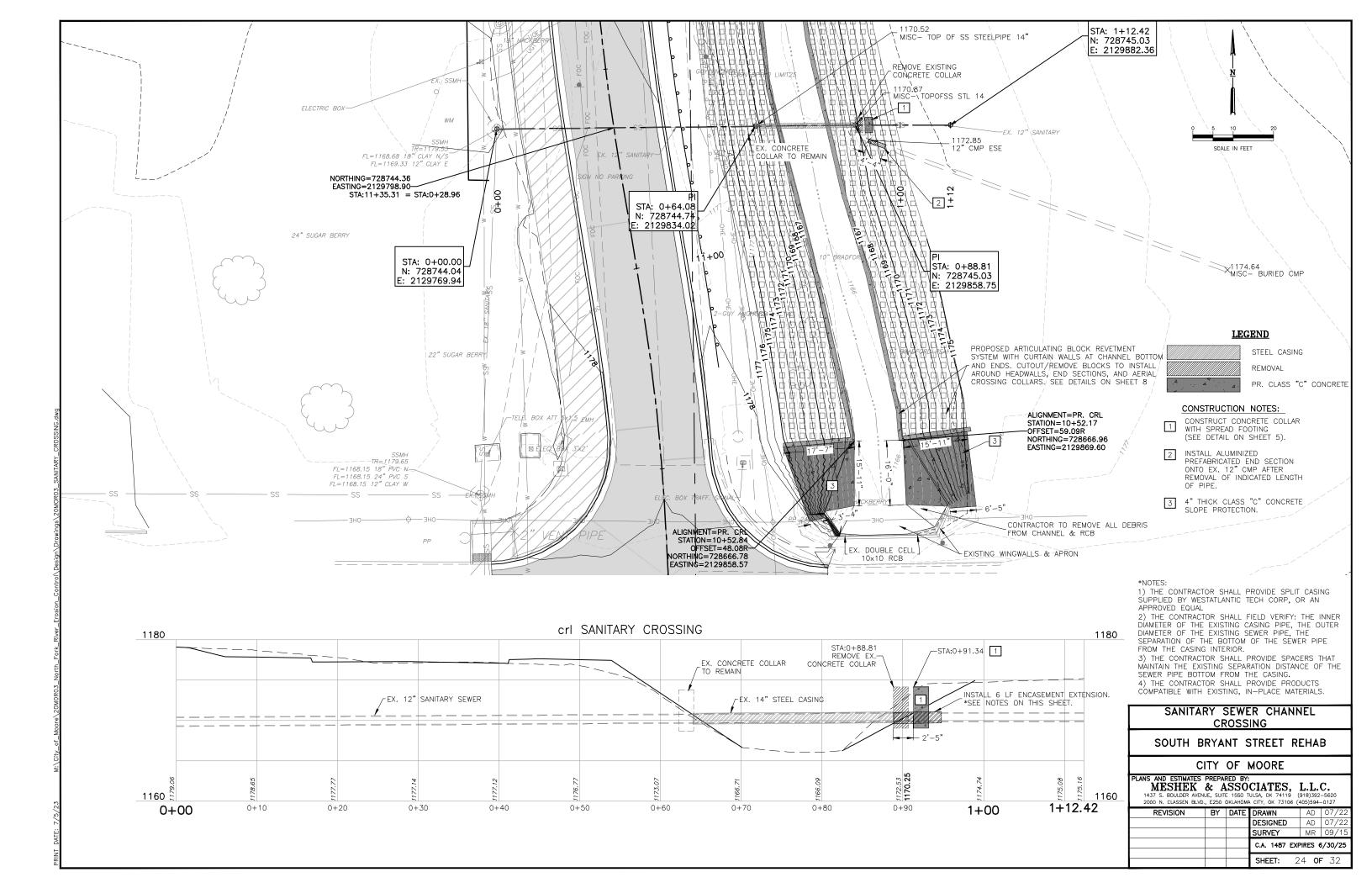
PLANS AND ESTIMATES PREPARED BY: MESHEK & ASSOCIATES, L.L.C.
437 S. BOULDER AVENUE, SUITE 1550 TULSA, OK 74119 (918)392-562

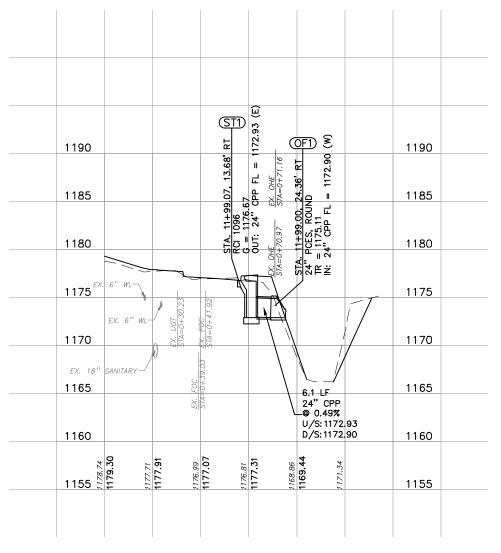
REVISION BY DATE DRAWN AD 07/22 DESIGNED AD 07/2 SURVEY C.A. 1487 EXPIRES 6/30/25 **SHEET:** 20 **OF** 32











STORM SEWER PROFILE

STORM PROFILES												
SOUTH BRYANT STREET REHAB												
CITY OF MOORE												
PLANS AND ESTIMATES PREPARED BY: MESHEK & ASSOCIATES, L.L.C. 1437 S. BOULDER AVENUE, SUITE 1550 TULSA, OK 74119 (918)392-5620												
REVISION	BY	DATE	DRAWN	AD	07/22							
			DESIGNED	AD	07/22							
			SURVEY	MR	09/15							
			C.A. 1487 EXF	PIRES	6/30/25							
			SHEET: 2	5 0	F 32							

