PROFILE HOR. 1" = 10" SCALES PLAN 1" = 10"

LAYOUT MAP 1" = 2,640" 1" = 10"

AND COORDINATES ARE ASSUMED

SURVEY DATA

1. HORIZONTAL CONTROL

A, HORIZONTAL CONTROL FOR THIS SURVEY IS THE ESTABLISHED SECTION CORNERS ALONG THE CONSTRUCTION REFERENCE LINE & SECTION LINE.

2. VERTICAL CONTROL

A. LEVEL DATUM IS MEAN SEA LEVEL (U.S.C. & G.S.)



E EXACT CERTIFY THAT THEY

UTILITY STATEMENT:
THE UNDERGROUND UTILITY
FROM FIELD SURVEY INFORMES NO
THE SURVEYOR MAKES NO
UNDERGROUND UTILITIES NO
UNDERGROUND UTILITIES NO
UNDERGROUND UTILITIES NO
THE AREA FIELD
THE SURVEYOR FURTHER DE
THE STATEMENT OF THE THE STATEMENT OF THE THE STATEMENT OF THE STATEM

-RAILROADS PROPOSED ROAD

GROUND LINE EXISTING ROADS

EPHONE & TELEGRAPH

E. YOST RD.

QUARTER SECTION LINES FENCES RANGE & TOWNSHIP SECTION LINES

E. GLENCOE RD.

N. BRUSH CREEK RD.

N. FAIRGROUNDS RD.

(16)

N. PRAIRIE RD.

(15)

UNION RD.

DIAMOND-WAY

(3)

N. ROSE RD.

(18)

E 0560

STILLWATER CENTRAL AR

E 0550

J.S. 412 E 0540

6

E 0530

(3)

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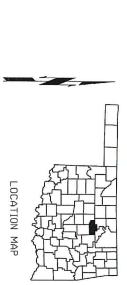
(1)

@

E. OLD CHIMNEY RD.

CONVENTIONAL SYMBOLS





COUNTY COMMISSIONERS DISTRICT #1

E0530 RD. (E. NOBLE RD.) OVER OAK CREEK

STRUCTURE NO. 60E0530N3380001 BRIDGE NBI NO. 01045

BRIDGE REPLACEMENT CN #007 65'-0" I-BEAM SPAN

PLAN OF PROPOSED

20192471-007 PROJ. NO.

SHEET NO.

TOTAL SHEETS

PAYNE COUNTY, OKLAHOMA

R-4-E

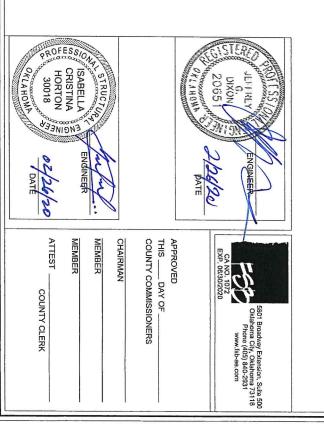
EROSION CONTROL PLAN	R002
STORM WATER MANAGEMENT PLAN	R001
SECTION 404 PERMIT COMPLIANCE	E001
65' I-BEAM SPAN BRIDGE DETAILS 3 OF 3	B005
65' I-BEAM SPAN BRIDGE DETAILS 2 OF 3	B004
65' I-BEAM SPAN BRIDGE DETAILS 1 OF 3	B003
FOUNDATION REPORT	B002
GENERAL PLAN AND ELEVATION	B001
GENERAL NOTES AND PAY QUANTITIES (BRIDGE)	AB01
REGIONAL MAP	0002
TITLE SHEET	0001
Sheet Title	Sheet Number
Sheet List Table	

E 0510

6

E 0520

6



BRIDGE REPLACEMENT — CN #007 CN #007 LAT: 36°14'47.10" N LONG: 96°58'37.91" W EW 0540 0.89 MILES WEST OF US HWY 412 NS 3380 214.50 ACCESS TO CN #007 FROM GLENCOE, OKLAHOMA STRUCTURE NO. 60E0530N3380001 BRIDGE NBI NO. 01045 NS 3390 REGIONAL MAP E0530 RD. GLENCOE RD. NS 3400 U.S. 412 -2.86 MILES WEST ON CO. RD. E0530 TO CN #007 OVER OAK CREEK S.H. 108 N. ROSE AVE. E. BURKHART ST. EW 0540 GLENCOE, OKLAHOMA
TO CO. RD. E0530 0 500 1000 2000 Scale: 1" = 1000' LOCATION MAP

nsion, Suite 500 lahoma 73118 340-2931 e.com

REGIONAL MAP FOR ACCESS TO BRIDGE REPLACEMENT PROJECT CN #007

0002-92471

SHEET NO. 0002 (2 OF 11)

PAYNE COUNTY

DIST. #1

CN# 007

GENERAL NOTES

SPECIFICATIONS:

COMPLY WITH THE REQUIREMENTS OF THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

THE WORK TO BE PERFORMED UNDER THIS CONTRACT CONSISTS OF THE REPLACEMENT OF A SINGLE SPAN BRIDGE LOCATED ON E. NOBLE RD. (60350 RD.) OVER OAK CREEK IN PAYNE COUNTY, OKLAHOMA. THE APPROACH AND ROADWAY WILL BE THE RESPONSIBILITY OF THE COUNTY AND WILL REQUIRE THE CONTRACTOR TO COORDINATE WITH THE APPROPRIATE COUNTY MUNICIPALITIES ON THE SCOPE AND/OR EXTENT OF WHAT WILL BE PROVIDED AND AT WHAT POINT OF TIME IN THE PROJECT.

BRIDGE, APPROACH AND ROADWAY WILL BE WIDENED FROM ±20' TO A 28' ROADWAY CLEARANCE. THE WIDENING WILL BE ACCOMPLISHED BY REMOVING AND REPLACING EXISTING DECK, REPLACING THE EXISTING ABUTMENTS WITH NEW ABUTMENTS, AND REPLACING EXISTING BEAMS WITH NEW STEEL BEAMS THE CENTERLINE OF PROPOSED BRIDGE WILL BE LOCATED 3' SOUTH OF THE SECTION LINE, BEARING N89°18'13.01'E AS PER THE SURVEY. BEAMS.

VERIFICATION OF EXISTING CONDITIONS:

ALL DIMENSIONS OF THE EXISTING COMPONENTS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DATA NECESSARY TO CONNECT THE NEW MATERIAL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCUPACY THEREOF. BIDDERS SHALL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITIONS UNDER WHICH IT WILL BE PERFORMED. THE CONTRACTOR SHALL ADOPT METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE WORK AREA OR SURROUNDING AREA. ANY DAMAGE TO THE AREA DUE TO THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE RESIDENT ENGINEER.

CONTRACTOR SHALL BE AWARE OF EXISTING CONDITIONS AND POTENTIAL HAZARDS DURING CONSTRUCTION. CONTRACTOR SHALL TAKE PRECAUTIONS TO MAINTAIN THE INTEGRITY OF ANY CONSTRUCTION SHALL BE EXISTING UTILITIES AND STRUCTURES. ANY DAMAGE TO THESE ITEMS DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE RESIDENT

HORIZONTAL GEOMETRY & VERTICAL CURVE DATA:

THE INFORMATION SHOWN ON THE "GENERAL PLAN AND ELEVATION" (SHEET B001) DRAWINGS REGARDING HORIZONTAL GEOMETRY AND VERTICAL PROFILE WERE TAKEN FROM SURVEYING. THIS INFORMATION IS NICLUDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHE BALL FIELD VERIFY THE EXISTING HORIZONTAL AND VERTICAL GEOMETRY. THE RECONSTRUCTION OF THE BRIDGE DECKS IS INTENDED TO CONSTRUCT NEW BRIDGE STRUCTURE ABOVE BOTTOM OF EXISTING BRIDGE BEAM (LOW CHORD) ELEVATION AND TRANSITION THE APPROACHING ROADWAY TO MEET THE NEW DECK ELEVATION.

CONCRETE DECK FINISHING:

BRIDGE DECKS FOR THIS PROJECT ARE TO BE FINISHED WITH A MECHANICAL TYPE FINISHING MACHINE. OVER-HANGING SLAB FORMS WILL BE REQUIRED TO BE OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE CONCRETE, FORMS, FINISHING MACHINE AND OTHER CONSTRUCTION LOADS. PRIOR TO FINISHING OPERATIONS, A PROPOSAL STIPULATING THE TYPE OF FINISHING MACHINE AND THE FINISHING PROCEDURE WILL BE SUBMITTED TO THE RESIDENT ENGINEER. THIS PROPOSAL SHALL SET FORTH ANY AREAS IN WHICH A MECHANICAL FINISHER CANNOT BE USED AND THE METHODS FOR FINISHING THESE AREAS. CONCRETE SHALL NOT BE PLACED UNTIL THIS PROPOSAL IS APPROVED BY THE RESIDENT

PAY ITEM NOTES

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REMOVAL OF BRIDGE ITEMS:
THE PAY ITEM "REMOVAL OF BRIDGE ITEMS" SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL ITEMS TO BE
REMOVED FROM THE EXISTING BRIDGE AS SPECIFIED OR SHOWN IN THE PLANS INCLUDING THE FOLLOWING:

 WOODED DECK WITH GUARDRAILS. BEAMS AND DIAPHRAGMS. SHEET PILES.

THE EXISTING STRUCTURE MATERIAL, FROM ITEMS LISTED ABOVE, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, EXCEPT FOR STEEL BEAMS AND PORTIONS OF DRIVEN PILES WHICH WILL BECOME PROPERTY OF THE COUNTY, DRIVE PILES SHALL BE CUT AT GROUND LINE ELEVATION.

ALL COSTS NECESSARY TO COMPLETE THE WORK AS SPECIFIED OR AS SHOWN IN THE PLANS INCLUDING THE COST OF CUTTING, DEMOLITION, AND CLEANING, CONTAINMENT AND REMOVAL OF DEBRIS, MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LUMP SUM OF "REMOVAL OF BRIDGE ITEMS"

2)

EROSION CONTROL MAINTENANCE:
PRICE BID SHALL INCLUDE PLAN QUANTITIES OF SILT FENCE AND SILT DIKES AND ALL MAINTENANCE INCLUDING CUT
AND DISPOSAL OF SILT WHEN 50% FULL AND/OR IN CONFORMANCE OF THE SWMP AND/OR SWPPP. SEE SHEET R001

3

FOLLOWING:

SURVEYING AND CONSTRUCTION STAKING:
THE CONTRACTOR WILL BE REQUIRED TO CONDUCT ALL SURVEYING AND CONSTRUCTION STAKING NECESSARY
FOR THE COMPLETION OF THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER. THE SURVEYING AND
CONSTRUCTION STAKING REQUIRED FOR COMPLETION OF THE PROJECT MAY INCLUDE, BUT IS NOT LIMITED TO, THE

- ESTABLISHING HORIZONTAL CONTROL INCLUDING THE STAKING OF CENTERLINE BRIDGE AND APPROACH ROADWAY AND ASSIGNING STATIONING AS DIRECTED BY THE RESIDENT ENGINEER. ESTABLISHING VERTICAL CONTROL INCLUDING THE SETTING OF BENCHMARKS. MEASURING THE ELEVATIONS ALONG THE EXISTING BRIDGE DECK SLAB AT CENTERLINE AND OF DRIVING LANES AND EDGES OF SHOULDERS.
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- Ē MEASURING THE ELEVATIONS ALONG THE EXISTING APPROACH ROADWAY AT CENTERLINE, EDGES OF DRIVING LANES AND EDGES OF SHOULDERS.
 MEASURING THE EXISTING TOP OF BEAM ELEVATION FOR DETERMINING DECK SLAB HAUNCH AND FORMING
- MEASURING AND SETTING CONSTRUCTION STAKES AS NECESSARY FOR CONDUCTING THE GRADING AND SURFACING WORK ON THE APPROACH ROADWAY.

ALL COST OF SURVEYING AND CONSTRUCTION STAKING NECESSARY FOR COMPLETION OF THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER, INCLUDING THE COST OF MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LUMP SUM OF "CONSTRUCTION STAKING LEVEL!".

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AIR RELIEF VENTS FOR CONCRETE DECK SLAB:
VENT OPENINGS SHALL BE CONSTRUCTED WITH SCH APVC PIPE AND CAST INTO CONCRETE SLAB AT THE SPACING
AND LOCATION SHOWN ON SHEET 8093. DRILLING THE CONCRETE SLAB IS PROHIBITED. ALL COST OF MATERIAL,
LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN IN THE PLANS SHALL BE NCLUDED ON PAY ITEM "CLASS AA CONCRETE".

BR-1:
PAYMENT FOR THIS ITEM WILL BE BASED ON THE PLAN QUANTITIES ONLY

BR-2: STRUCTURAL STEEL CONSISTING OF W36x170 ROADWAY BEAMS ONLY.

BR-3:
STEEL SHEET PILING SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM A557 FROM MATERIAL CONFORMING TO ASTM A570 GRADE 36.
THE MATERIAL SHALL BE HOT DIP GALVANIZED PER ASTM A123 AT A RATE OF 2 OZ. PER SQUARE FOOT ON SURFACE AREA, ON BOTH SIDES.
PRE-GALVANIZED MATERIAL SHALL CONFORM TO ASTM A446 GRADE A AND BE GALVANIZED PER ASTM A525 WITH A CLASS 6210 COATING.
STEEL SHEET PILING SHALL BE 10 GA., 0.1345 INCHES THICK, WEIGHING 12,5 LBS. PER LINEAR FOOT OF PILE OR 76 LBS. PER SQUARE FEET OF WALL, SHALL HAVE SECTION MODULE OF 3.60 INCHES CUBED PER SECTION AND MOMENT OF INERTIA OF 6.0 IN¹ <u>BR-4;</u> ELEVATIONS PROVIDED ON THESE DOCUMENTS ARE FROM ARE FROM THE SURVEY. CONTRACTOR SHALL FIELD VERIFY. LENGTH OF PILES ARE BASED ON SURVEY AND AVERAGE A LENGTH OF 53° AT THE WEST ABUTMENT AND 38° AT THE EAST ABUTMENT.

S-CIVILISHEETSV/801-92471-GENERAL HOTES AND PAY QUANTITIES BRIDGE DWG. SAVE DATE: 2/26/2020.8.21 AM BY IPSG. PLOT DATE: 2/26/2020.8.21 AM

<u>BR-5:</u> CONTRACTOR SHALL PROVIDE STRUCTURAL STEEL FOR HP 10X42 CONFORMING TO AASHTO M270, GRADE 50W

<u>BR-6;</u> PRICE TO INCLUDE ALL HARDWARE NECESSARY FOR THE COMPLETE INSTALLATION OF THE GUARDRAIL (RE: SHEET B003), INCLUDING PRICE TO INCLUDE ALL HARDWARE NECESSARY FOR TYPE 3 OBJECT MARKERS (2) OM3-L AND (2) OM3-R] SIMILAR TO DETAIL 1, SHEET B005,

BRIDGE "A'	PAY QUANTITIES BRIDGE "A" 65' COMPOSITE I-BEAM SPAN, 28'-0" CLEAR ROADWAY	ROADWAY		
ITEM NO.	DESCRIPTION		LIND	QUANT.
_	STRUCTURAL STEEL	(BR-1)(BR-2)	LB	77350.00
2	CLASS AA CONCRETE	(4)(BR-1)	Q	73.00
ω	REINFORCING STEEL	(BR-1)	LB	9500.00
4	L5x3x1/4x8" SHEAR ANGLES @ 12" O.C.	(BR-1)	LB	1500.00
5	C8x11.5 (SHEET PILING HORIZ. REINFORCEMENT)	(BR-1)	В	6700.00
6	C12x20.7 HEADER	(BR-1)	В	1242.00
7	W-BEAM (GUARDRAIL TYPE A)	(BR-1)	5	260.00
80	GUARD RAIL POST W6x20	(BR-6)	Б	3640.00
9	22 GA GALVANIZED DECK	(BR-1)	SF	1950.00
10	L3x3x1/4 ANGLE (DIAPHRAGM)	(BR-1)	В	2400.00
11	L5x3x1/4 ANGLE (SHEET PILES CAP)	(BR-1)	В	1106.00
12	PILES FURNISHED (HP10x42)	(BR-4)(BR-5)	ЕВ	63546.00
13	PILES DRIVEN (HP10x42)	(BR-4)(BR-5)	ГВ	63546.00
14	SHEET PILING FURNISHED	(BR-4)	SF	6480.00
15	SHEET PILING DRIVEN	(BR-3)(BR-4)	SF	6480.00
16	HP10x42 PILE CAP	(BR-1)	6	2730.00
17	STIFFNER PLATES		6	300.00
18	5/8" DIA. x 6" SHEAR STUDS		EA	186.00
19	L4x4x1/4 ANGLE		ЕВ	2240.00
20	TYPE I-A PLAIN RIPRAP		TON	280.00
21	TYPE I-A FILTER BLANKET		TON	70.00
22	SHEET ALUMINUM SIGNS	(BR-6)	SF	32.00

CN #007	PAY QUANTITIES		
ITEM NO.	DESCRIPTION	UNIT	QUANT.
23	CONSTRUCTION STAKING LEVEL I (1)	LSUM	1.00
24	REMOVAL OF EXISTING BRIDGE STRUCTURE (3)	LSUM	1.00
25	SWPPP DOCUMENTATION AND MANAGEMENT (2)	LSUM	1.00

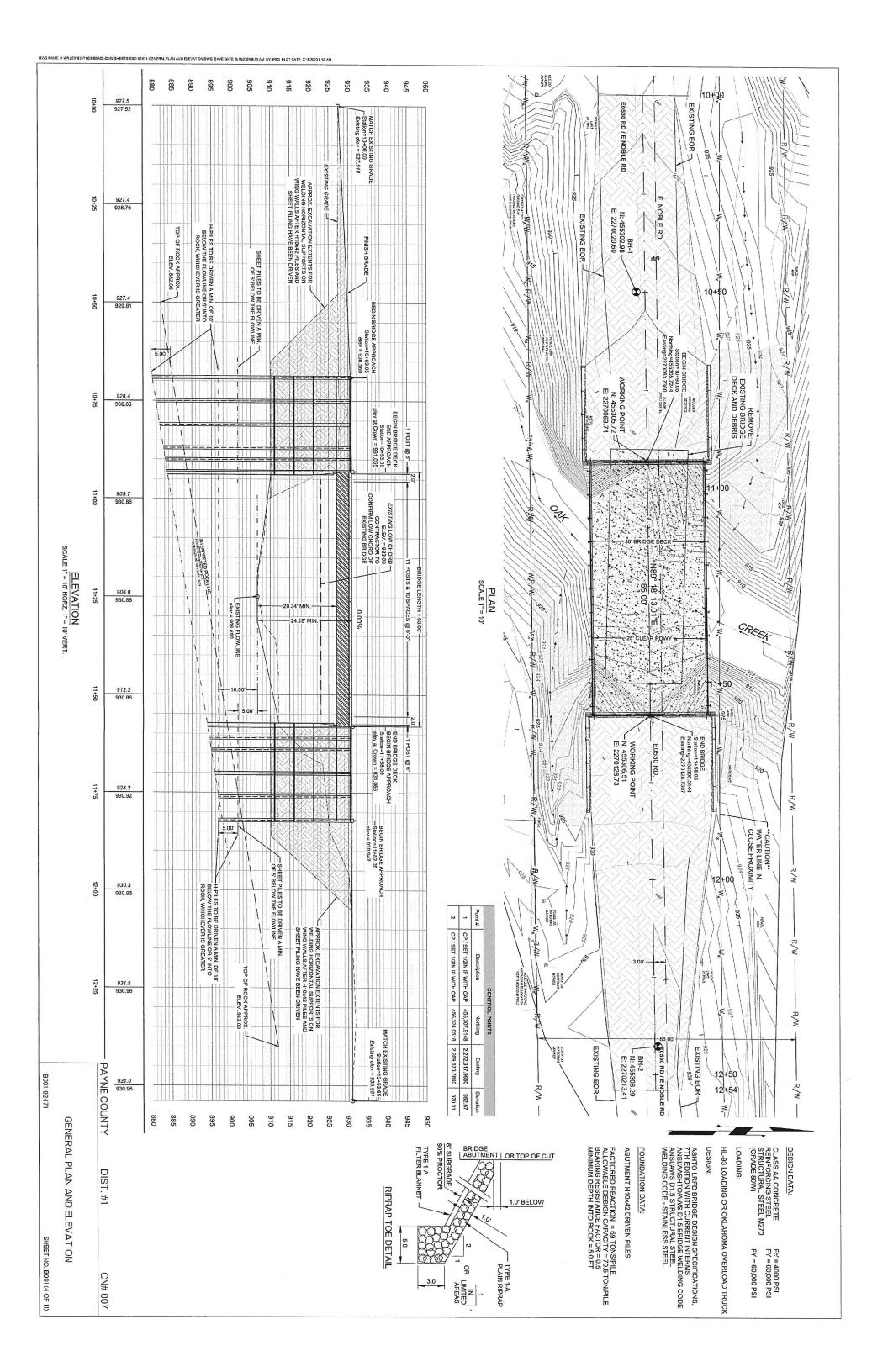
AB01-92471

SHEET NO. AB01 (3 OF 11)

PAYNE COUNTY

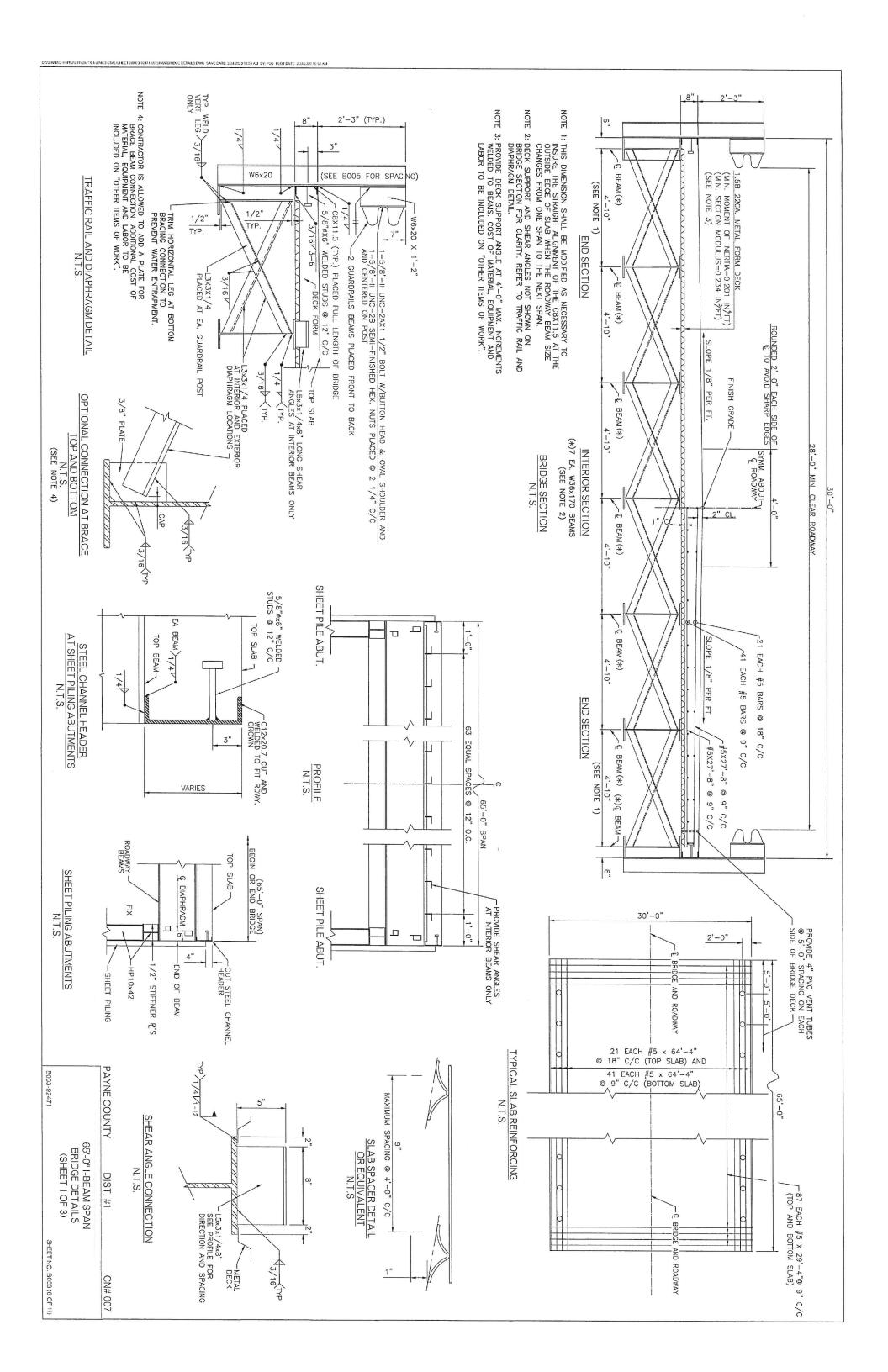
DIST. #1

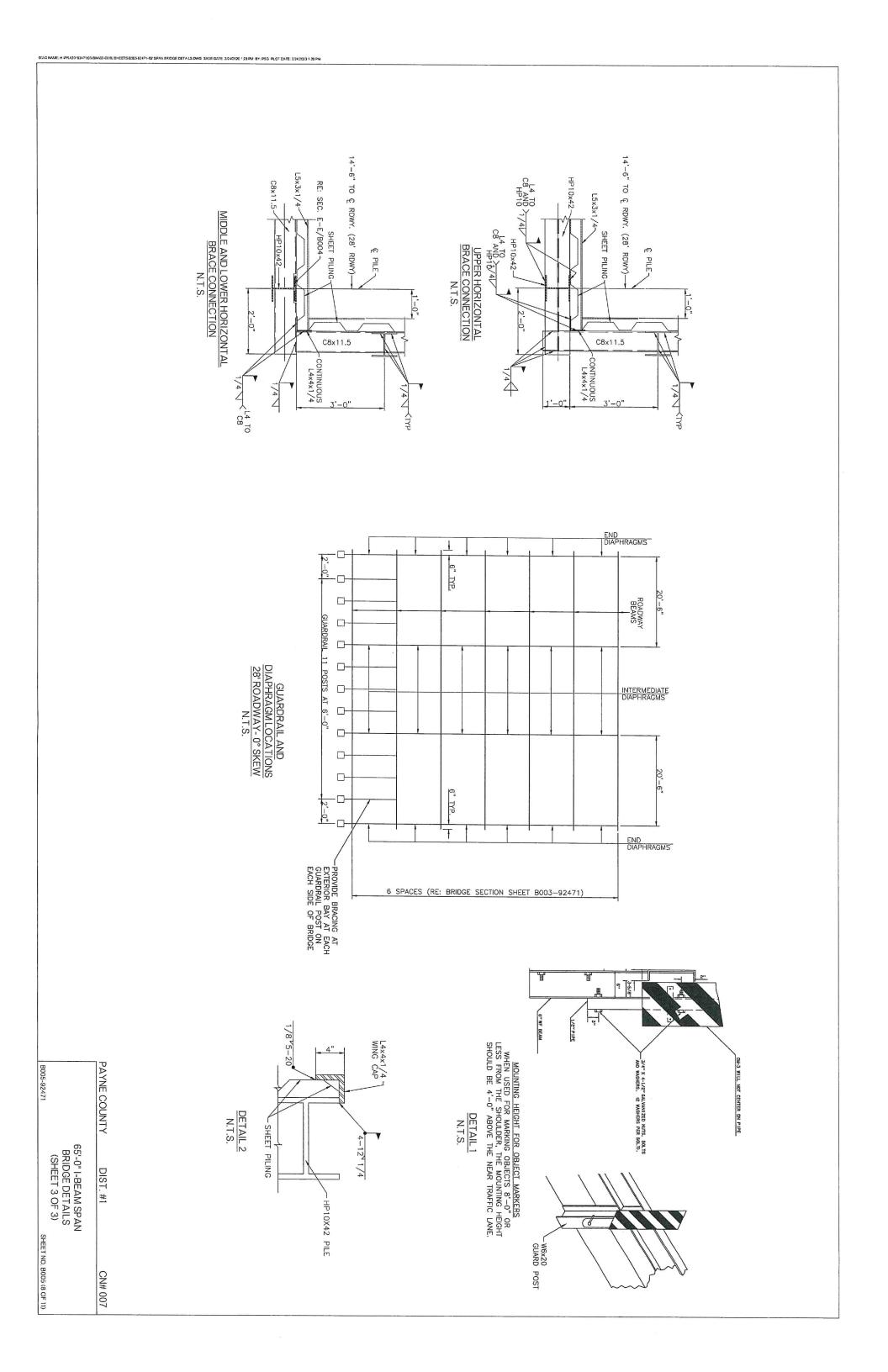
CN# 007



Elevation (feet) 860 870 880 890 930 Hinderliter Geotechnical Engineering 4071 NW 3rd Street Oklahoma City, OK 73107 Telephone: (405) 942—4090 Website: HinderliterGeo.com WEATHERED SHALE
dark reddish-brown with g
seams
soft to moderately hard Bottom of boring approximately 65 t LEAN CLAY (CL)
dark brown
very soft to medium stiff SANDY SILTY CLAY (CL-ML)
brown, very stiff
SANDY SILT (ML)
brown
medium stiff to very soft very moist below 20 dark brown below 25 feet feet feet gray B-1 455302.982 N 2270020.604 E EI. 882' N:SPT=16 N:SPT=50/4 TCP=50/2.0 50/2.3 TCP=50/0.5 50/0.5 TCP=50/1.2 50/0.8 TCP=50/1.5 50/0.8 N:SPT=2 N:SPT=4 TCP=50/1.0 50/0.5 N:SPT=3 N:SPT=5 N:SPT=4 N:SPT=2 N:SPT=5 NOTE: All information contained on this sheet is covered by an original geotechnical report signed and sealed by engineer registered in the State of Oklahoma. LEGEND:
N:SPT=Standard Penetration Test
TCP=Texas Cone Penetrometer
R=Recovery
ROD=Rock Quality Designation
UC=Unconfined Compressive Strength Substifface geology appears best described as the Wellington-Admire Unit (Pwa). The unit consists of shale, sandstone, limestone and siltstone. Most of the unit is reddish colored, clayey to silty shale. The unit is several hundred feet thick. In central Division Four, the shales form gently rolling hills.

Bottom of boring WEATHERED SHALE dark red with white seams— soft to moderately—hard dark reddish-brown; stiff LEAN CLAY (CL) dark reddish-brown, hard CLAYEY SAND (SC) dark reddish-brown; medium dense SANDY LEAN CLAY (CL) dark reddish-brown, stiff 8-2 455308.290 N 2270213.406 E Sep. N:SPT=9 N:SPT=50/6 TCP=50/1.3 50/1.0 N:SPT=11 N:SPT=10 TCP=50/1.0 50/0.5 TCP=50/1.5 50/2.0 TCP=50/1.8 50/1.0 TCP=50/2.0 50/0.8 N:SPT=47 10' Number: FSB-20-01a Location: EW-53 Rd & NS-338 Rd, Payne County Project: CN-007 Single-Span Bridge Repair SUBSURFACE FENCE DIAGRAM PAYNE COUNTY B002-92471 FOUNDATION REPORT DIST. #1 SHEET NO. B002 (5 OF 11) 860 870 880 890 910 920 930 900 CN# 007





SENSITIVE WATERS OR WATERSHEDS: ESTIMATED AREA TO BE DISTURBED: ±0.208 ACRES OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE) CONTROL DEVICES ON ULTIMATE SLOPES 3. REMOVE & STOCKPILE TOPSOIL POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: IMPEDING CONSTRUCTION SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: 4. ADD ADDITIONAL TEMPORARY SEDIMENT CONTROL DEVICES AND MAINTAIN AS NEEDED. 2. PERFORM CLEARING & GRUBBING OPERATIONS, PRESERVING ANY EXISTING VEGETATION NOT PROJECT DESCRIPTION: CN-007 BRIDGE REPLACEMENT, 65' COMPOSITE I-BEAM WITH 28' PROJECT LIMITS: E. NOBLERD. (E0530 RD.) BRIDGE "A" OVER OAK CREEK 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. NAME OF RECEIVING WATERS: . PLACE TEMPORARY SEDIMENT CONTROL DEVICES AT ALL OFF SITE DRAINAGE LOCATIONS. AS PERMANENT GRASSING IS ESTABLISHED (70% COVER), REMOVE TEMPORARY SEDIMENT AS GRADING PROCEEDS, PLACE TEMPORARY MULCHING OR PERMANENT GRASS DEPENDING LAKE THUNDERBIRD TMDL: IF YES, LIST IMPAIRMENT: 303(d) IMPAIRED WATERS: TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 0.29 AC LATITUDE & LONGITUDE OF CENTER OF PROJECT: LOCATED IN A TMDL: TOTAL AREA OF THE CONSTRUCTION SITE: IF YES, LOCATION: COUNTY COMMISSIONERS DISTRICT #1, PAYNE COUNTY, OKLAHOMA MS4 ENTITY SITE SOIL TYPE: PROJECT WILL DISCHARGE TO: STA. 10+93.05 TO STA. 11+58.05 APPROACHES BEING THE RESPONSIBILITY OF THE COUNTY. CLEAR ROADWAY. APPROACHING ROADWAY AND BRIDGE DESCRIPTION 0.60 CIMARRON RIVER .073 AC. ±0.385 ACRES LAT: 36°14'47.12"N LONG: 96°58'37 YES YES X YES YES YESX ON X ON NO NO X NO .97"W STORM WATER MANAGEMENT PLAN OFFSITE VEHICLE TRACKING NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER. STRUCTURAL PRACTICES: SOIL STABILIZATION PRACTICES NOTES: × × × × __ VEGETATIVE MULCHING LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN HAUL ROADS DAMPENED FOR DUST CONTROL DIVERSION, INTERCEPTOR OR PERIMETER SWALES EXCESS DIRT ON ROAD REMOVED DAILY SANDBAG BERMS INLET SEDIMENT FILTER TEMPORARY SEDIMENT REMOVAL TEMPORARY SEDIMENT FILTERS TEMPORARY STREAM CROSSINGS PAVED DITCH W/ DITCH LINER PROTECTION ROCK FILTER DAMS DIVERSION, INTERCEPTOR OR PERIMETER DIKES TEMPORARY BRUSH SEDIMENT BARRIERS TEMPORARY SEDIMENT TRAPS TEMPORARY SEDIMENT BASINS TEMPORARY DIVERSION CHANNELS TEMPORARY SLOPE DRAIN TEMPORARY SILT DIKES TEMPORARY SILT FENCE STABILIZED CONSTRUCTION EXIT SOIL RETENTION BLANKET TEMPORARY FIBER LOG PRESERVATION OF EXISTING VEGETATION PERMANENT SODDING, SPRIGGING OR SEEDING TEMPORARY SEEDING EROSION AND SEDIMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NO!) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROJECT, ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS SUSED IN THE CONSTRUCTION PROCESS. THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION. 7 CALENDAR DAYS AND WITHIN 2 RECORDED BY A NON-FREEZING F AREAS, DRAINAGEWAYS, MATEI AND EXITS ALONG WITH EROSION NEED TO BE INSPECTED. STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, SEPTEMBER 13, 2017. ODEQ GENERAL PERMIT (OKR10) IN ADDITION: BE NOTED: THE FOLLOWING SECTIONS OF THE 2009 ODOT STANDARD SPECIFICATIONS SHOULD PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS. 107.20 104.10 104.12 GENERAL NOTES: PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS. DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION 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. ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR 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 LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXTS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT 106.08 104.13 103.05 HAZARDOUS MATERIALS: WASTE MATERIALS: THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING: 107.01 MAINTENANCE AND INSPECTION: STORM WATER MANAGEMENT TEMPORARY SEDIMENT LAWS, RULES AND REGULATIONS TO BE OBSERVED STORAGE AND HANDLING OF MATERIAL **ENVIRONMENTAL PROTECTION** CONTRACTOR'S RESPONSIBILITY FOR WORK FINAL CLEANING UP BONDING REQUIREMENTS MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION AND CONTROL FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE CONTROLS PAYNE COUNTY R001-92471 STORM WATER MANAGEMENT PLAN DIST. #1 SHEET NO. R001 (10 OF 11) CN# 007

