

CARL DON CAMPBELL—COUNTY COMMISSIONER
DISTRICT NO. 1

JOHN S. NORTHUP, P.E. 15671
CIRCUIT ENGINEERING DISTRICT 7
P.O. BOX 337
CLINTON, OK. 73601

JOE KHATIB
LOCAL GOVERNMENT COORDINATION DIVISION
P.E. NO. 30047(01)

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
COUNTY BRIDGE
FEDERAL AID PROJECT NO. STP-205C(060)CI Δ
BRIDGE & APPROACH PLANS
BECKHAM COUNTY
(OLD NBI. NO. 05123)(NEW NBI. NO. 31665)
LOCATION NO. 05E1270N1830009
STATE JOB NO. 30047(04)
TRIBUTARY OF SAND CREEK
LATITUDE 35°10'30"N LONGITUDE 99°41'46"W

Δ REVISED Project Number. 7/14/2016.

FED. ROAD DIST. NO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	STP-205C(060)CI	1	9

DESIGN DATA
ADT 2016=200
ADT 2036=320
DESIGN SPEED=45 M.P.H.
TERRAIN—ROLLING

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE
2	TYPICAL SECTION, SUMMARY OF PAY QUANTITIES & GENERAL NOTES
3	STORMWATER MANAGEMENT PLAN
4	EROSION CONTROL PLAN
5	ALIGNMENT, SURVEY REFERENCES & R/W
6	PLAN AND PROFILE
7	BOX CULVERT DETAILS
8-9	CROSS SECTIONS


ALSO, THE FOLLOWING STANDARD DRAWINGS WILL BE A PART OF THIS PROJECT:

2009 STANDARDS		
ROADWAY	TRAFFIC	TRAFFIC
ECM2-3-0	DU1-1-00	TCS5-1-00
TSC2-3-2	TCS1-1-01	TCS6-1-02
TSD-2-0	TCS2-1-00	TCS7-1-02
SBI-4-2	TCS4-1-01	TCS8-1-00
		TCS9-1-01

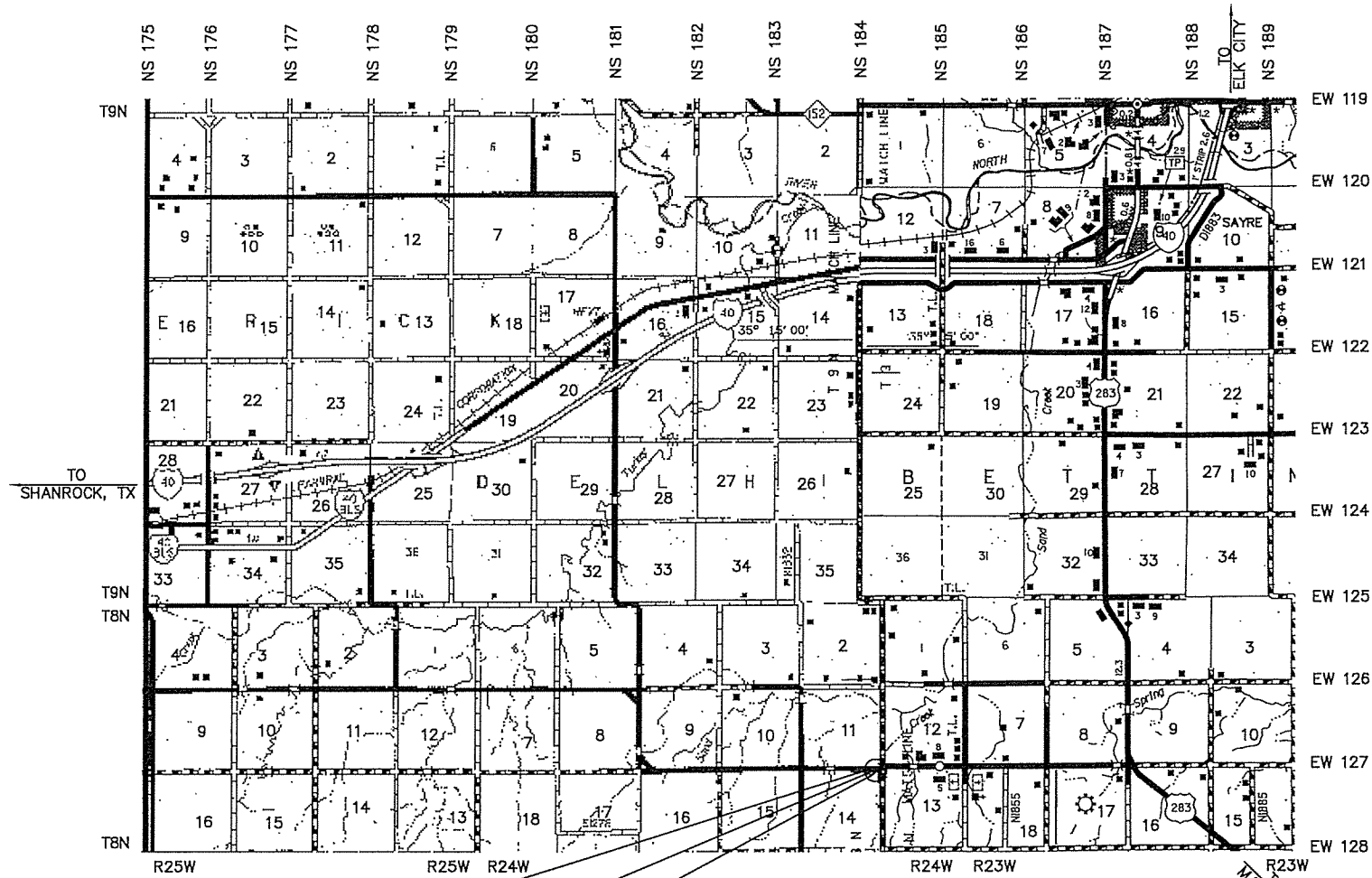
SURVEY DATA

- HORIZONTAL CONTROL
 - HORIZONTAL CONTROL FOR THIS SURVEY IS THE ESTABLISHED SECTION CORNERS ALONG THE CONSTRUCTION REFERENCE LINE & SECTION LINE
- VERTICAL CONTROL
 - LEVEL DATUM IS MEAN SEA LEVEL (U.S.C. & G.S.)

48 HOURS BEFORE YOU DIG... CALL OKIE
1-800-522-6543



OKLAHOMA ONE-CALL SYSTEM
Buried utilities are not necessarily shown. It is the contractor's responsibility to locate and preserve all utility services.
Contractor is responsible for contacting all utility companies prior to construction.



SCALES

PLAN	1"=50'
PROFILE HOR.	1"=50'
VER.	1"=5'
LAYOUT MAP	1"=5,280'

CONVENTIONAL SIGNS

	PROPOSED ROAD
	RAILROADS
	RANGE & TOWNSHIP SECTION LINES
	QUARTER SECTION LINES
	FENCES
	GROUND LINE
	EXISTING ROADS
	BASE LINE
	GRADE LINES
	TELEPHONE & TELEGRAPH
	POWER LINES
	OIL WELLS
	BUILDINGS
	DRAINAGE STRUCTURES—IN PLACE
	DRAINAGE STRUCTURES—NEW
	RIGHT-OF-WAY LINES—EXISTING
	RIGHT-OF-WAY LINES—NEW
	RIGHT-OF-WAY MARKERS—IN PLACE
	RIGHT-OF-WAY MARKERS—REMOVE & RESET
	RIGHT-OF-WAY MARKERS—NEW
	CONTROLLED ACCESS
	RIGHT-OF-WAY FENCE

STA. 98+00 BEGIN CONSTRUCTION
F.A. PROJ. NO. STP-205C(060)CI Δ
BEGIN BRIDGE STA. 99+87.50
BRIDGE LENGTH=25.00'
END BRIDGE STA. 100+12.50

STA. 102+50 END CONSTRUCTION
F.A. PROJ. NO. STP-205C(060)CI Δ

ROADWAY LENGTH _____ 425.00 FT. _____ 0.080 MI.
BRIDGE LENGTH _____ 25.00 FT. _____ 0.005 MI.
PROJECT LENGTH _____ _____ 0.085 MI.

EXCEPTIONS _____ NONE
EQUATIONS _____ NONE


PROJECT LENGTHS BASED ON CRL

DATE 2-29-16


DIST. 1 [Signature]

DIST. 2 [Signature]


DIST. 3 [Signature]

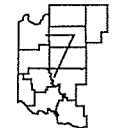
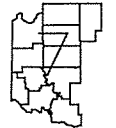


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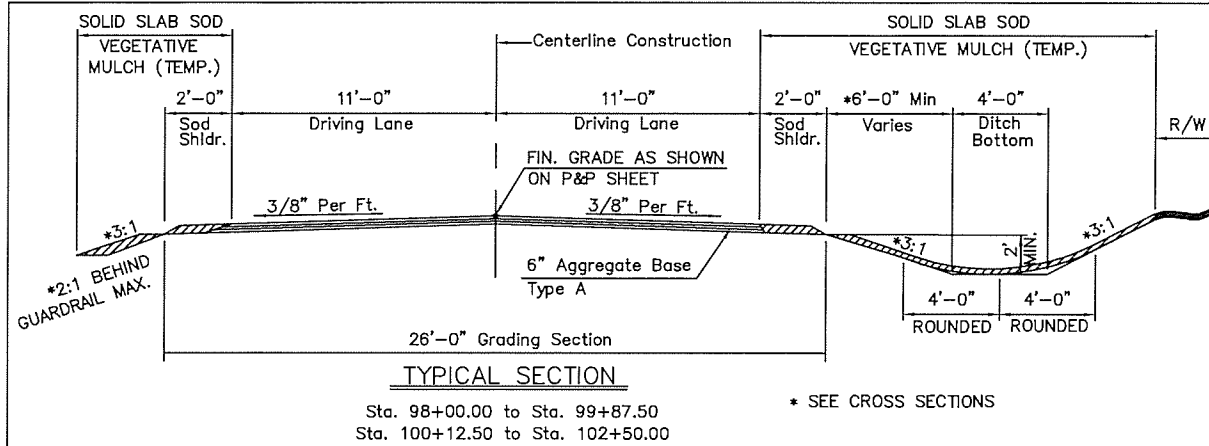
[Signature]
JOHN S. NORTHUP
REGISTERED PROFESSIONAL ENGINEER NO. 15671



 CIRCUIT ENGINEERING DIST. 7 P.O. BOX 337 1779 MARSHALL RD. CLINTON, OK 73601 (580) 323-8685		 OKLAHOMA DEPARTMENT OF TRANSPORTATION	
DATE APPROVED _____ BY _____ CHIEF ENGINEER		DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION DATE APPROVED _____ BY _____ DIVISION ADMINISTRATION	
SWO.		F.A. Project No. STP-205C(060)CI Δ	
		Sheet No. 1	

"2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION—ENGLISH GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, JANUARY 4, 2010."

REVISD All Pay Item Quantities and Pay Item Note R-11. 6/20/2016.



GENERAL CONSTRUCTION NOTES – EROSION CONTROL

GRASS: All disturbed areas including ditches and shoulders shall be sodded with Bermuda Solid Slab Sod in accordance with Section 230.04(a) of the Standard Specifications.

FERTILIZER: Areas on which Bermuda Solid Slab Sod is to be planted shall have 18-46-0 fertilizer applied at the rate of 200 lbs. per 1,000 Sq. Yds. of sodding, one half after watering the prepared surface and prior to planting of Sod, and one half after sodding is completed with watering used to incorporate the fertilizer into the soil.

VEGETATIVE MULCH: The Vegetative Mulch shall be anchored in accordance with the "Mulching Tiller Method", as specified in Section 233.04(b)2 of the Standard Specifications.

WATERING: All areas to be sodded shall be watered before sod is planted to obtain adequate soil moisture to a depth of at least 5".

SEASONAL PLANTING RESTRICTIONS:

The Planting of Bermuda Solid Slab Sod shall be restricted to the period from April 15th. to September 15th.

If the dirtwork is completed after the approved season for Bermuda Solid Slab Sodding has ended, all disturbed areas will be covered with Vegetative Mulch in accordance with Section 233.04(b)2 of the Standard Specifications.

At the beginning of Turfing Operations, any areas included in Planned Quantities that have grown a satisfactory volunteer turf of perennial grass, as determined by the Engineer shall not be sodded.

GENERAL CONSTRUCTION NOTES (BRIDGE)

All construction and materials shall comply with the 2009 Oklahoma Standard Specifications for Highway Construction English Version, except as modified by the plans and Special Provisions.

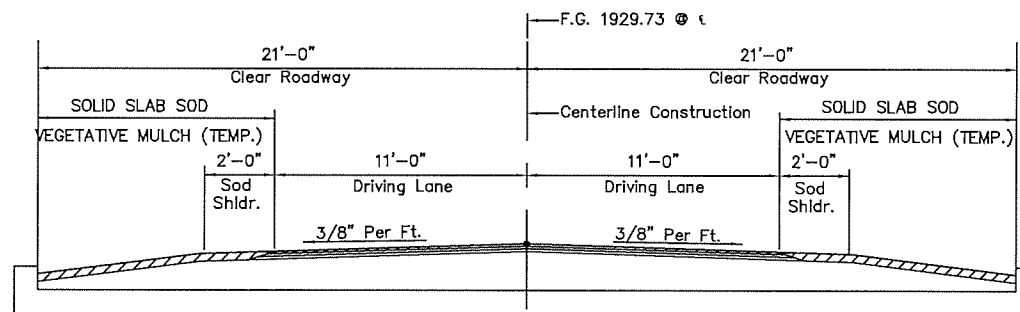
The Bridge site will be closed to all public traffic during construction. The Contractor shall be responsible for all Construction Traffic Control. All signs, barricades, lights, and other Traffic Control Devices and Measures, etc. shall be provided in accordance with the Standards set forth in the Manual on Uniform Traffic Control Devices, Current Edition as revised, and as shown on the TCS Standards. "Road Closed One Mile Ahead" sign will be placed at the first intersection East and "Road Closed One Mile Ahead" sign will be placed at the first intersection West from the project. All construction signs with (10) Square Feet or more will be double posted. If contractor constructs a work road, it must be placed on the downstream (North) side, to avoid potential wetlands on the South side.

Class AA Concrete required for RCB Construction.

The Contractor shall give written notice to the County, CED #7, and ODOT Div 5 fourteen (14) calendar days before any construction or demolition begins on this project.

County to be responsible for the following:

1. Acquiring all required R/W.
2. Removal and resetting all fences on right-of-way lines.
3. Relocating all utilities.
4. Detour signing if necessary.



TYPICAL SECTION OVER RCB
Sta. 99+87.50 to Sta. 100+12.50

PAY ITEM NOTES

- (G-48) In accordance with the Oklahoma Underground Facilities Damage Prevention Act the Contractor shall notify the Oklahoma One-Call System, Inc. 48 hours prior to beginning excavation. Oklahoma One-Call System, Inc. "Call Okie" 1-800-522-6543 or 811
- (R-1) Payment for this item will be based on plan quantity. See 2009 Standard Specifications for Highway Construction, "Plan Quantities" Section 109.01(b).
- (R-7) Price Bid to include cost of 10-20-10 Fertilizer, Estimated at 200 lbs. per 1,000 sq. yds.
- (R-11) The quantity estimated for Temporary Erosion and Sediment Control is 0.75 Acres. (One Application).
- (R-41) Includes 10 Cu. Yds. to be used in a manner approved by the Engineer.
- (1) This pay item to include Roadway Excavation, Channel Excavation, Unclassified Borrow, Clearing and Grubbing and Construction of Roadway Embankment. Includes all costs to remove, stockpile and replace the topsoil on the finished grading slopes and old channel, in accordance with Section 205 of the Standard Specifications. Price bid also includes cost of 18-46-0 Fertilizer estimated at 150 lbs. per acre. Any material not suitable for roadway embankment to be disposed of in a manner approved by the Engineer. See Sheet 6 for Grading Estimate.
- (2) Estimated Quantity only. Location and actual quantity required to be determined by the Engineer.
- (3) Price bid to include cost of silt removal.
- (4) Contractor will supply sufficient water to produce adequate grass growth as approved by the Engineer.
- (5) Shall include all Traffic Control Devices necessary to regulate traffic during construction. This item shall be paid for as Lump Sum due to the minor extent of construction for this project. All Traffic Control shall be in accordance with State Standards and the Manual on Uniform Traffic Control Devices, Current Edition.
- (6) Item "Removal of Existing Bridge Structure" consist of removal and disposal of the existing 3'-7" concrete slab spans on masonry substructure, 26' wide in accordance with Section 619.04(b)2 of the Standard Specifications and in a manner approved by the Engineer. The existing structure rubble may be used as rip-rap with prior approval of and by direction of the Engineer.
- (7) The 18" Rip Rap and Filter Blanket will be placed to protect the wings and Channel where shown on plans. Placement will be directed by the Engineer.

Environmental Mitigation Notes per Policy Directive C-201-2D(2):
Locations outside the project area in the following area must not be utilized for borrow, equipment staging, haul roads, spoil dumps or any off-site project-related activity.
TBN, R24W:
Section 12: SW 1/4 SW 1/4 NE 1/4
Section 13: NE 1/4 NE 1/4 NE 1/4
TBN, R25W:
Section 18: NW 1/4 NW 1/4 NW 1/4

PAY QUANTITIES			
100 ROADWAY J/P NO. 30047(04)			
ITEM	DESCRIPTION	UNIT	QUANTITY
202(H)	0185 EARTHWORK (1)	L. SUM.	1.00
221(C)	2801 TEMPORARY SILT FENCE (2) (3)	L.F.	250.00
221(F)	0100 TEMPORARY SILT DIKE (2) (3)	L.F.	200.00
230(A)	2806 SOLID SLAB SODDING (4) (R-7)	S.Y.	3,600.00
233(A)	2817 VEGETATIVE MULCHING (R-11)	AC.	0.75
303(A)	2100 AGGREGATE BASE TYPE A	C.Y.	188.00
311(B)	0152 PROCESSING EXISTING BASE AND SURFACE, METHOD B	L.F.	425.00
509(D)	0325 CLASS C CONCRETE (R-41)	C.Y.	10.00

PAY QUANTITIES			
200 BRIDGE DOUBLE 11'-0" X 4.5' X 42' CL. RDY. RCB, DESIGN NO. 5			
ITEM	DESCRIPTION	UNIT	QUANTITY
202(A)	1301 UNCLASSIFIED EXCAVATION (R-1)	C.Y.	333.00
501(A)	1306 STRUCTURAL EXCAVATION UNCLASSIFIED (R-1)	C.Y.	64.00
509(A)	1326 CLASS AA CONCRETE (R-1)	C.Y.	139.32
511(A)	1332 REINFORCING STEEL (R-1)	LB.	19,303.00
601(B)	1353 TYPE 1-A PLAIN RIP RAP (7)	TON	353.00
601(C)	1355 TYPE 1-A FILTER BLANKET (7)	TON	118.00
619(D)	1397 REMOVAL OF EXISTING BRIDGE STRUCTURE (6)	L. SUM.	1.00
880(J)	8905 CONSTRUCTION TRAFFIC CONTROL (5)	L. SUM.	1.00

PAY QUANTITIES			
640 CONSTRUCTION			
ITEM	DESCRIPTION	UNIT	QUANTITY
220	2800 SWPPP DOCUMENTATION AND MANAGEMENT	L. SUM.	1.00
641	1399 MOBILIZATION	L. SUM.	1.00

PAY QUANTITIES			
600 CONSTRUCTION STAKING			
ITEM	DESCRIPTION	UNIT	QUANTITY
642(B)	0096 CONSTRUCTION STAKING LEVEL II	L. SUM.	1.00

Swallow Note:
Cliff Swallows and Barn Swallows are small colonial nesting birds protected by the federal Migratory Bird Treaty Act. These species commonly use bridges and culverts for nesting. The nesting season for the swallows runs from April 1 to August 31. Any activities which would destroy active nests or harm eggs or birds would violate the Migratory Bird Treaty Act. Swallow use of bridge NBI No. 05123 was not observed during the initial surveys conducted as part of the biological studies in 2015. Swallows may occupy the bridge in the future nesting seasons. The Resident Engineer will evaluate the contractor's proposed work methods and conclude whether the proposed work would harm the nesting birds before work near the structure is authorized. If the proposed work will harm the nesting birds, the bridge may be netted prior to April 1 or the work delayed until the nesting season is complete. Methods other than netting must be pre-approved by the ODOT Biologist.

NOTE:
NO PRECAST BOXES ALLOWED.

NOTE:
RCB WINGS TO BE POURED MONOLITHIC WITH BARREL WALLS. NO CONSTRUCTION JOINTS ALLOWED.

BECKHAM COUNTY TRIB. OF SAND CREEK

Design	J.S.N.	09/15
Drawn	J.R.J.	10/15
Checked	M.W.G.	03/16
Approved	J.S.N.	03/16
Consultant	CED #7	

TYPICAL SECTION & SUMMARY OF PAY QUANTITIES & GENERAL NOTES

STATE/JOB No. 30047(04) Sheet No. 2

△ STORM WATER MANAGEMENT PLAN

DESCRIPTION	REVISIONS	DATE
Updated to New ODOT Stormwater Management Sheet.	△	6/20/2016.

SITE DESCRIPTION

PROJECT LIMITS: BEGINNING 4,660.21 FEET EAST OF THE INTERSECTION OF SECTION LINE EW 127 & SECTION LINE NS 183 & EXTENDING EAST 450.00 FEET (6.0 MILES SOUTH AND 3.2 MILES WEST OF I-40 & U.S. HWY 283) IN BECKHAM COUNTY, PROJECT LENGTH 0.085 MILE.

PROJECT DESCRIPTION: BRIDGE & APPROACH PLANS, 450.00, OF ROADWAY (4" ASPHALT TYPE "S3"&"S4" & 6" AGGREGATE BASE TYPE A), DOUBLE 11.00' x 6.50' x 25.00' RCB SPANS= 25.00' LONG RCB BRIDGE WITH 42.00' CLEAR ROADWAY & 18" RIP RAP TO PROTECT WINGS, VEGETATIVE MULCH & SOLID SLAB SODDING.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: _____
Prior to initiating soil disturbing activities, the Contractor will install all perimeter temporary sediment controls specified. Strip, stockpile and stabilize topsoil. Clear and grub only in necessary areas, preserving as much native vegetation as possible. Install, maintain and/or move temporary sediment items with construction operations as practical. If directed by the Engineer, plant temporary seeding. Replace salvaged topsoil and devices when an acceptable vegetative cover (at least 70%) has been attained. As site conditions warrant, the Contractor may choose to modify the type or arrangement of specified practices to improve their effectiveness as approved by the Engineer. The Contractor will maintain a log of the dates of major soil disturbance activities, and also the dates of installation of erosion control measures.

SOIL TYPE: ST. PAUL SILT LOAM

AREA TO BE DISTURBED: 0.90 ACRES

OFFSITE AREA TO BE DISTURBED: _____
 (FOR CONTRACTOR USE)

MAXIMUM ACRES TO BE DISTURBED AT ANY ONE TIME: _____
 (FOR CONTRACTOR USE)

LATITUDE & LONGITUDE OF CENTER OF PROJECT: LAT: 35°10'30"N LONG: 99°41'46"W

NAME OF RECEIVING WATERS: SAND CREEK

SENSITIVE WATERS OR WATERSHEDS: YES NO

303(d) IMPAIRED WATERS: YES NO

NOTE:
 THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE CHARACTERISTICS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION

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:

- STABILIZED CONSTRUCTION EXIT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY FIBER LOG
- DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- ROCK FILTER DAMS
- TEMPORARY SLOPE DRAIN
- PAVED DITCH W/DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL
- RIP RAP
- INLET SEDIMENT FILTER
- TEMPORARY BRUSH SEDIMENT BARRIERS
- SANDBAG BERMS
- TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

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 EXISTS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

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.

HAZARDOUS MATERIALS:

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.

GENERAL NOTES:

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 (NOI) 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 PROGRESSION OF 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 USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

THE FOLLOWING SECTIONS OF THE 2009 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

- 103.05 BONDING REQUIREMENTS
- 104.10 FINAL CLEANING UP
- 104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK
- 104.13 ENVIRONMENTAL PROTECTION
- 106.08 STORAGE AND HANDLING OF MATERIAL
- 107.01 LAWS, RULES AND REGULATIONS TO BE OBSERVED
- 107.20 STORM WATER MANAGEMENT
- 220 MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION AND CONTROL
- 221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, SEPTEMBER 13, 2012.

DESIGN	J.S.N.	9/15	OKLAHOMA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION
DRAWN	T.C.B.	6/16	
CHECKED	M.W.G.		STORMWATER MANAGEMENT PLAN
APPROVED	J.S.N.		
SQUAD	CED	#7	
COUNTY	BECKHAM		
			STATE JOB NO. <u>30047(04)</u> SHEET NO. <u>3</u>

SECTION 11, T8N, R24W

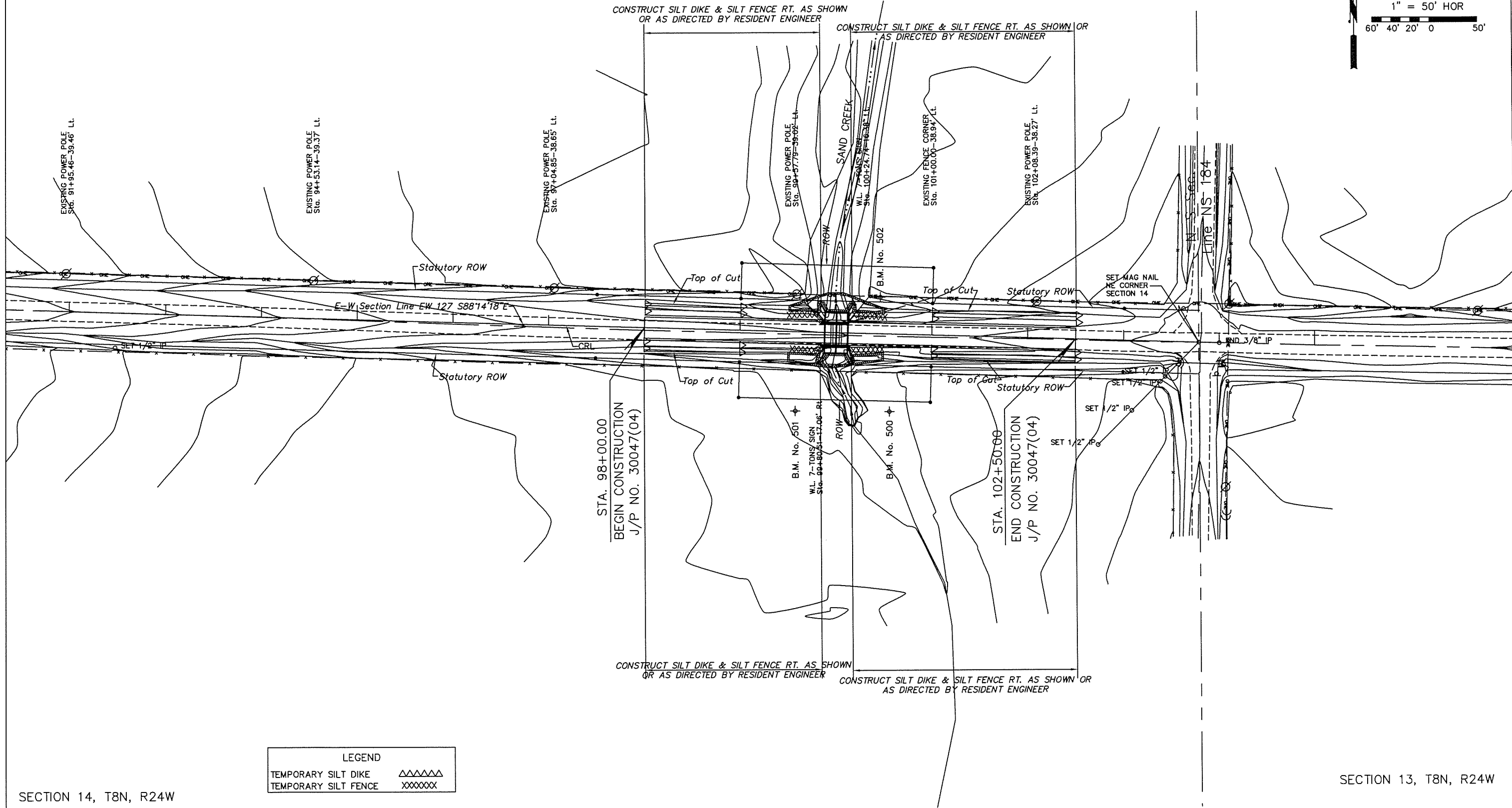
SECTION 12, T8N, R24W

95+00

100+00

105+00

SCALES:
1" = 50' HOR
60' 40' 20' 0 50'



SECTION 14, T8N, R24W

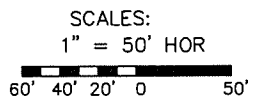
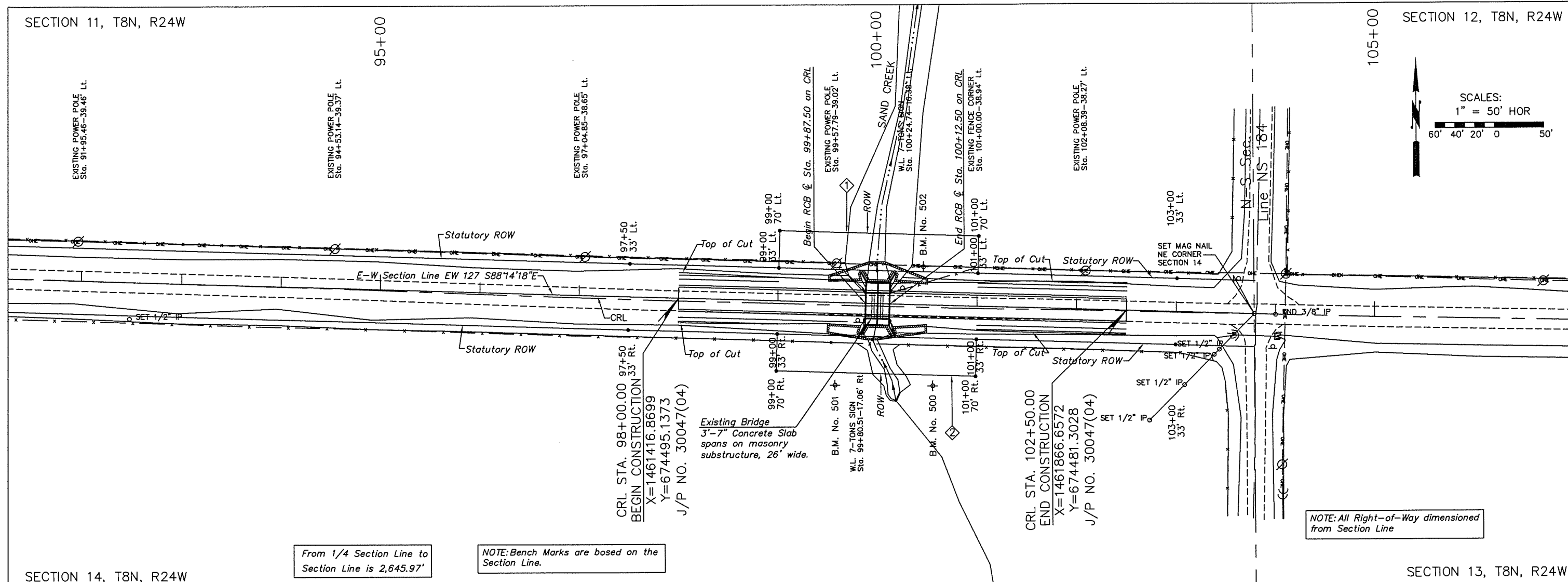
SECTION 13, T8N, R24W

LEGEND	
TEMPORARY SILT DIKE	▲▲▲▲▲
TEMPORARY SILT FENCE	XXXXXXX

BECKHAM COUNTY		TRIB. OF SAND CREEK	
Design	J.S.N. 09/15	EROSION CONTROL PLAN	
Drawn	J.R.J. 10/15		
Checked	M.W.G. 03/16		
Approved	J.S.N. 03/16		
Consultant	CED #7		
STATE/JOB No. 30047(04)		Sheet No. 4	

SECTION 11, T8N, R24W

SECTION 12, T8N, R24W



NOTE: All Right-of-Way dimensioned from Section Line

From 1/4 Section Line to Section Line is 2,645.97'

NOTE: Bench Marks are based on the Section Line.

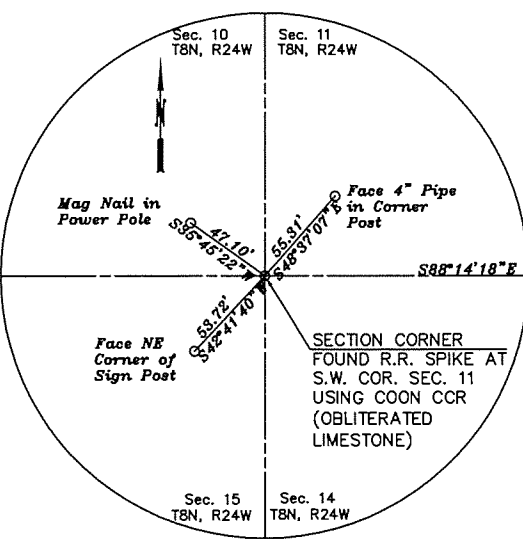
SECTION 14, T8N, R24W

SECTION 13, T8N, R24W

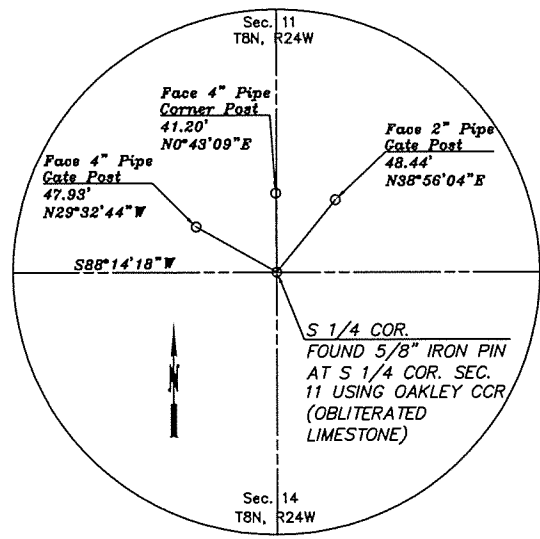
B.M. #500—Set 1/2" Iron Pin with Control Cap 80.73 Ft. Rt. Sta. 100+57.49 Elev. 1928.20

B.M. #501—Set 1/2" Iron Pin with Control Cap 82.50 Ft. Rt. Sta. 99+59.25 Elev. 1927.79

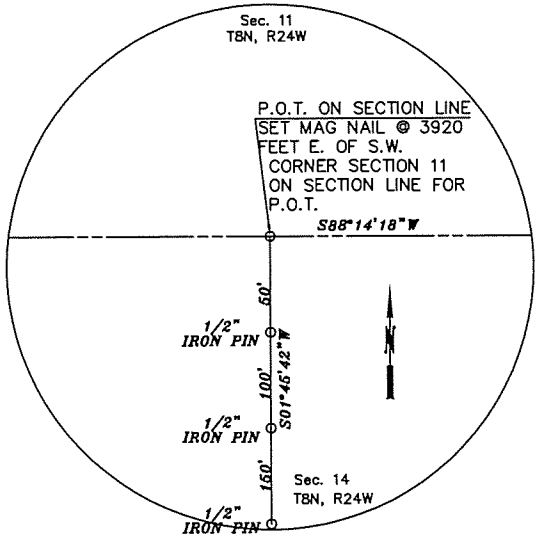
B.M. #502—Set 1/2" Iron Pin with Control Cap 38.02 Ft. Lt. Sta. 100+44.76 Elev. 1926.85



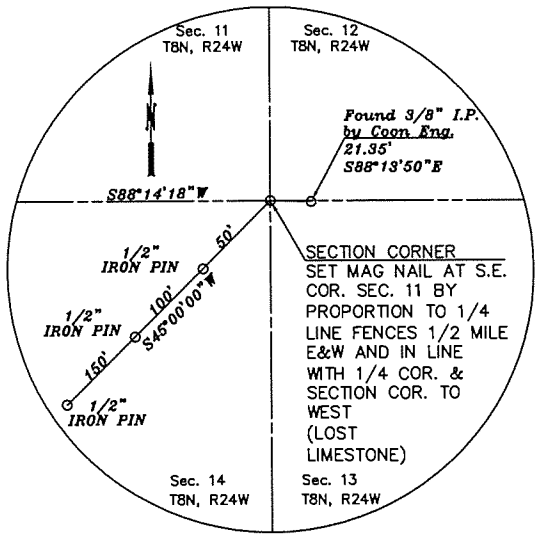
S.W. SECTION CORNER SECTION 11, T8N, R24W STA. 51+39.79 X=1456758.8590 Y=674638.4048



S. 1/4 SECTION CORNER SECTION 11, T8N, R24W STA. 77+32.63 X=1459350.4763 Y=674558.6951



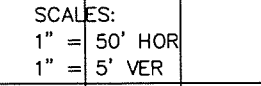
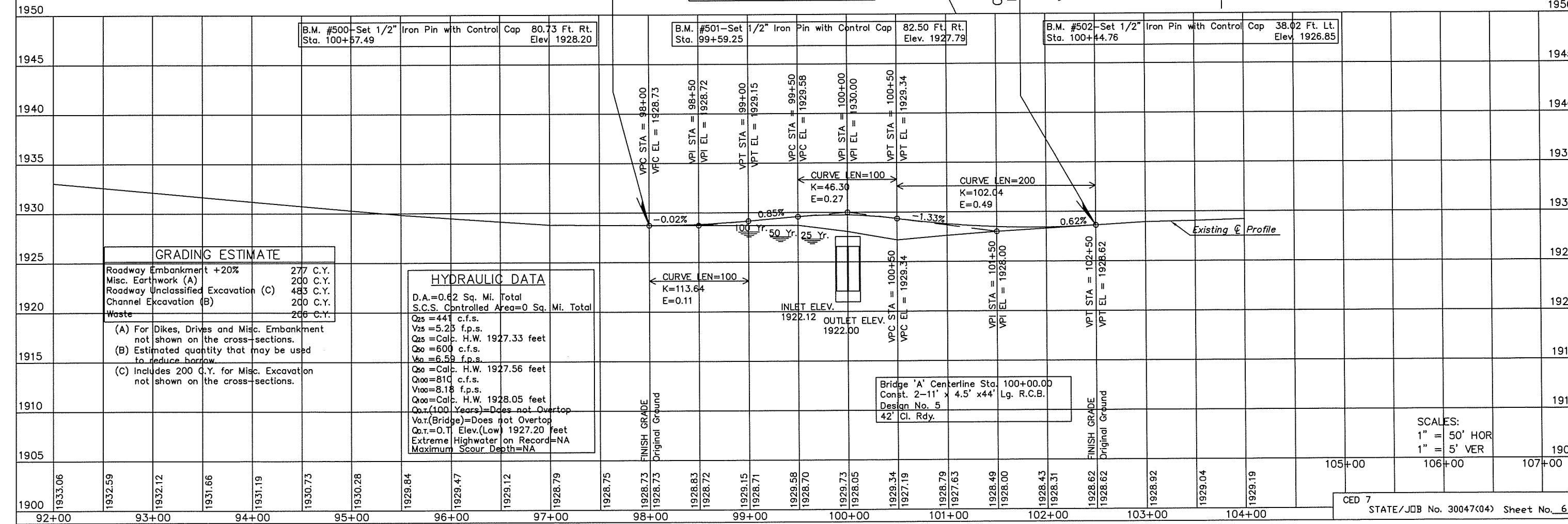
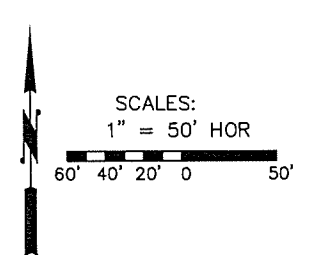
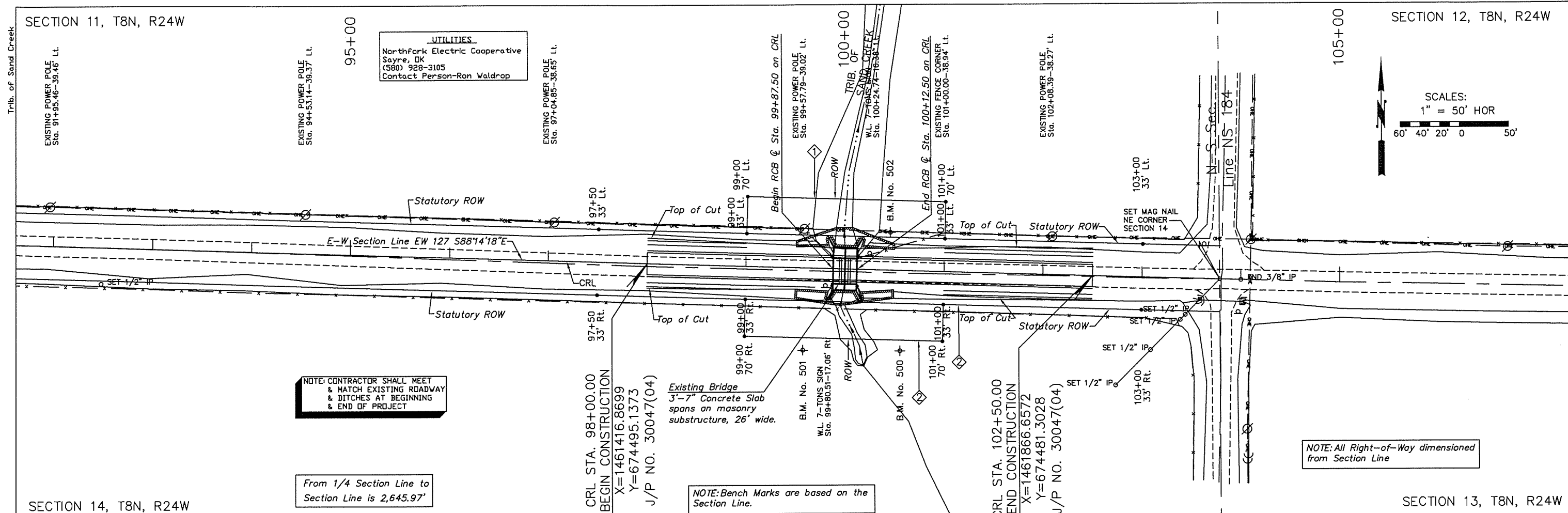
P.O.T. ON SECTION LINE SECTION 11, T8N, R24W STA. 90+59.79 X=1460677.0064 Y=674517.8939

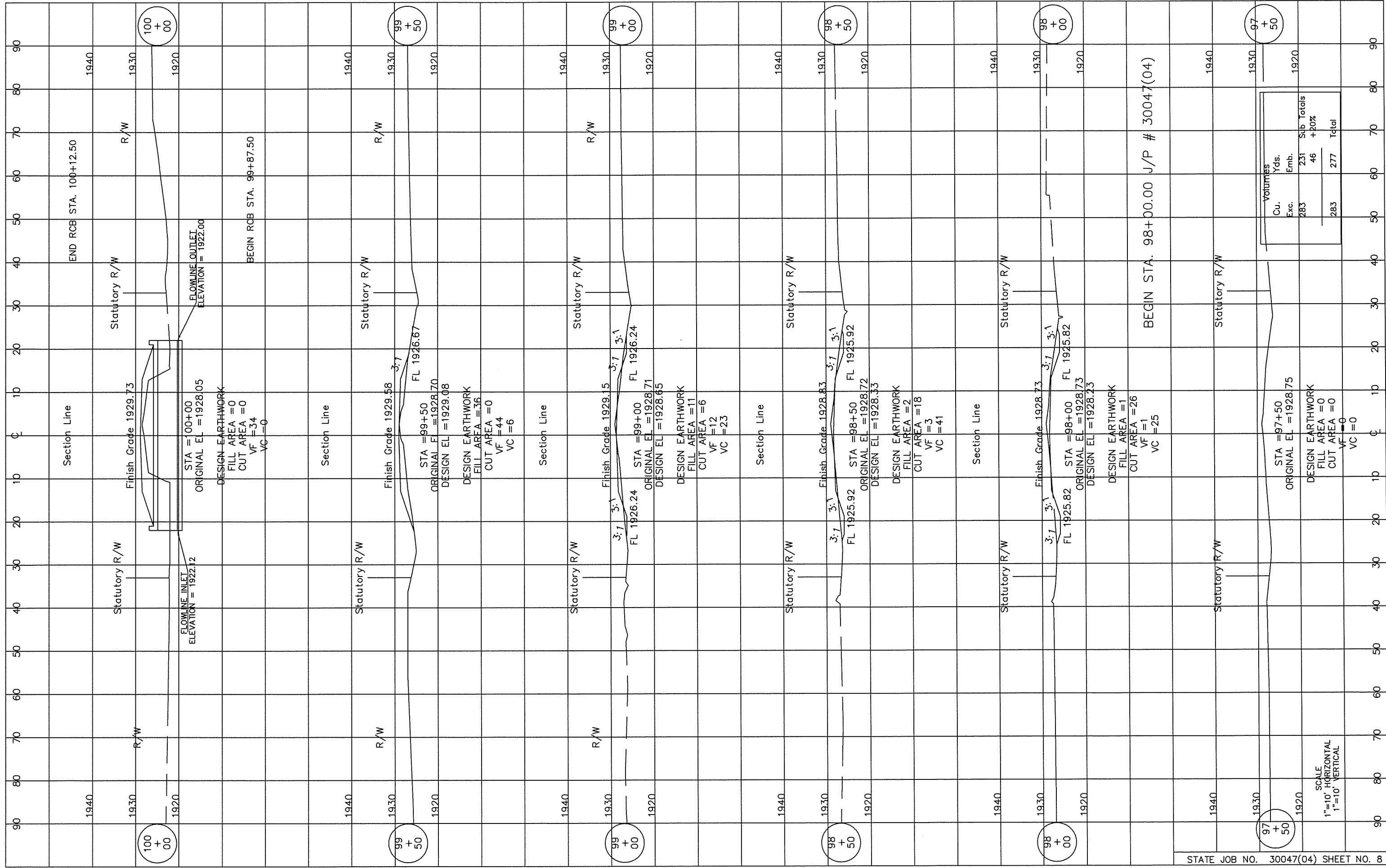


S.E. SECTION CORNER SECTION 11, T8N, R24W STA. 103+78.60 X=1461995.1923 Y=674477.3493

Design	J.S.N. 09/15
Drawn	J.R.J. 10/15
Checked	M.W.G. 03/16
Approved	J.S.N. 03/16
Consultant	CEC #7

BECKHAM COUNTY TRIB. OF SAND CREEK
ALIGNMENT, SURVEY REFERENCES AND R/W
STATE/JOB No. 30047(04) Sheet No. 5





100 + 00

99 + 50

99 + 00

98 + 50

98 + 00

97 + 50

END RCB STA. 100+12.50

Statutory R/W

Finish Grade 1929.73

FLOWLINE OUTLET
ELEVATION = 1922.00

FLOWLINE INLET
ELEVATION = 1922.12

STA = 100+00
ORIGINAL EL = 1928.05
DESIGN EARTHWORK
FILL AREA = 0
CUT AREA = 0
VF = 34
VC = 0

BEGIN RCB STA. 99+87.50

Section Line

Statutory R/W

Finish Grade 1929.58

STA = 99+50
ORIGINAL EL = 1928.70
DESIGN EL = 1929.08
DESIGN EARTHWORK
FILL AREA = 36
CUT AREA = 0
VF = 44
VC = 6

Section Line

Statutory R/W

Finish Grade 1929.15

STA = 99+00
ORIGINAL EL = 1928.71
DESIGN EL = 1928.65
DESIGN EARTHWORK
FILL AREA = 11
CUT AREA = 6
VF = 12
VC = 23

Section Line

Statutory R/W

Finish Grade 1928.83

STA = 98+50
ORIGINAL EL = 1928.72
DESIGN EL = 1928.33
DESIGN EARTHWORK
FILL AREA = 2
CUT AREA = 18
VF = 3
VC = 41

Section Line

Statutory R/W

Finish Grade 1928.73

STA = 98+00
ORIGINAL EL = 1928.73
DESIGN EL = 1928.23
DESIGN EARTHWORK
FILL AREA = 1
CUT AREA = 26
VF = 1
VC = 25

BEGIN STA. 98+00.00 J/P # 30047(04)

Statutory R/W

STA = 97+50
ORIGINAL EL = 1928.75
DESIGN EARTHWORK
FILL AREA = 0
CUT AREA = 0
VF = 0
VC = 0

SCALE
1"=10' HORIZONTAL
1"=10' VERTICAL

Volumes		Sub Totals	
Cu. Exc.	Yds. Emb.	231	46 + 20%
283		277	Total

