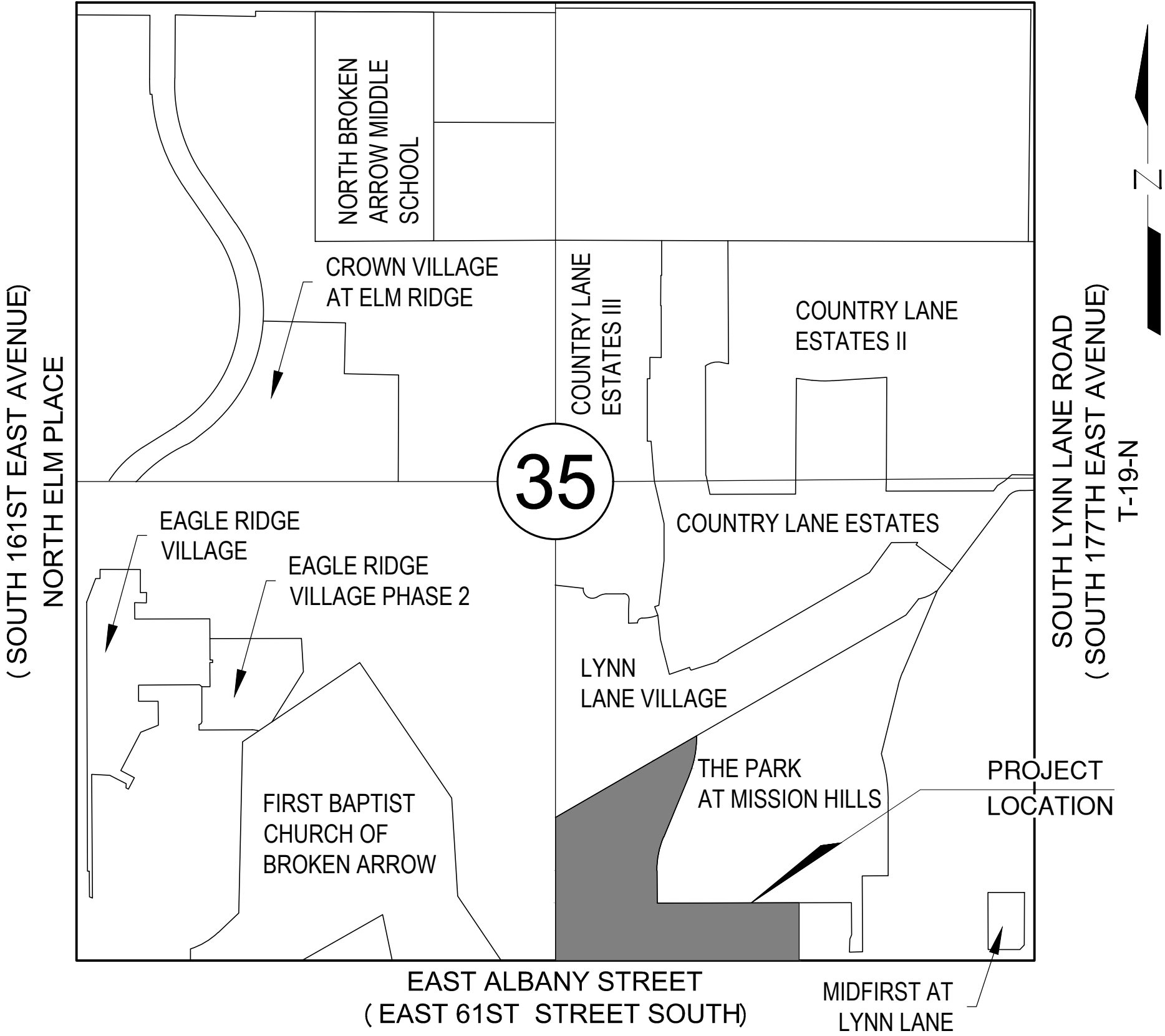


Paving, Grading, Storm Sewer and Sanitary Sewer Plan
for

Highland 55 at Mission Hills

A PART OF THE SE/4 OF SECTION 35,
T-19-N, R-14-E, I.B.M., TULSA COUNTY, OKLAHOMA

R-14-E
(EAST 51ST STREET SOUTH)
EAST OMAHA STREET SOUTH



PROJECT LOCATION SECTION 35, T-19-N, R-14-E, TULSA COUNTY

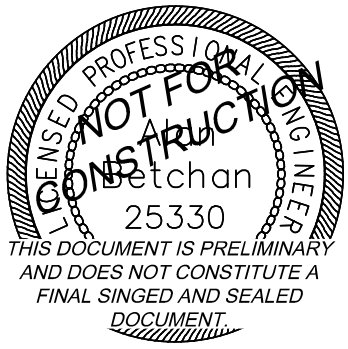
CITY OF BROKEN ARROW STANDARD CONSTRUCTION SPECIFICATIONS, AUGUST 19, 1999, SHALL GOVERN ALL CONSTRUCTION AS SUPPLEMENTED BY OKLAHOMA STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, APPROVED BY THE DEPARTMENT OF TRANSPORTATION 2009.

Detention Determination Number: _____

AAB Engineering, LLC

Engineering • Surveying • Land Planning

P.O. Box 2136 Sand Springs, OK 74063
Office: (918) 514-4283 Fax: (918) 514-4288



BENCHMARK

CHISELED BOX SET 960.08' WEST AND 85.09' NORTH OF THE SOUTHEAST CORNER OF SECTION 35.
ELEV 728.52 (NAVD 88)

PLANS AND ESTIMATE PREPARED BY: **AAB** ENGINEERING, LLC
OK LAWS 18 Exp: June 30, 2020
P.O. Box 2136 Office: (918) 514-4283
Sand Springs, OK 74063 Fax: (918) 514-4288

OWNER/DEVELOPER

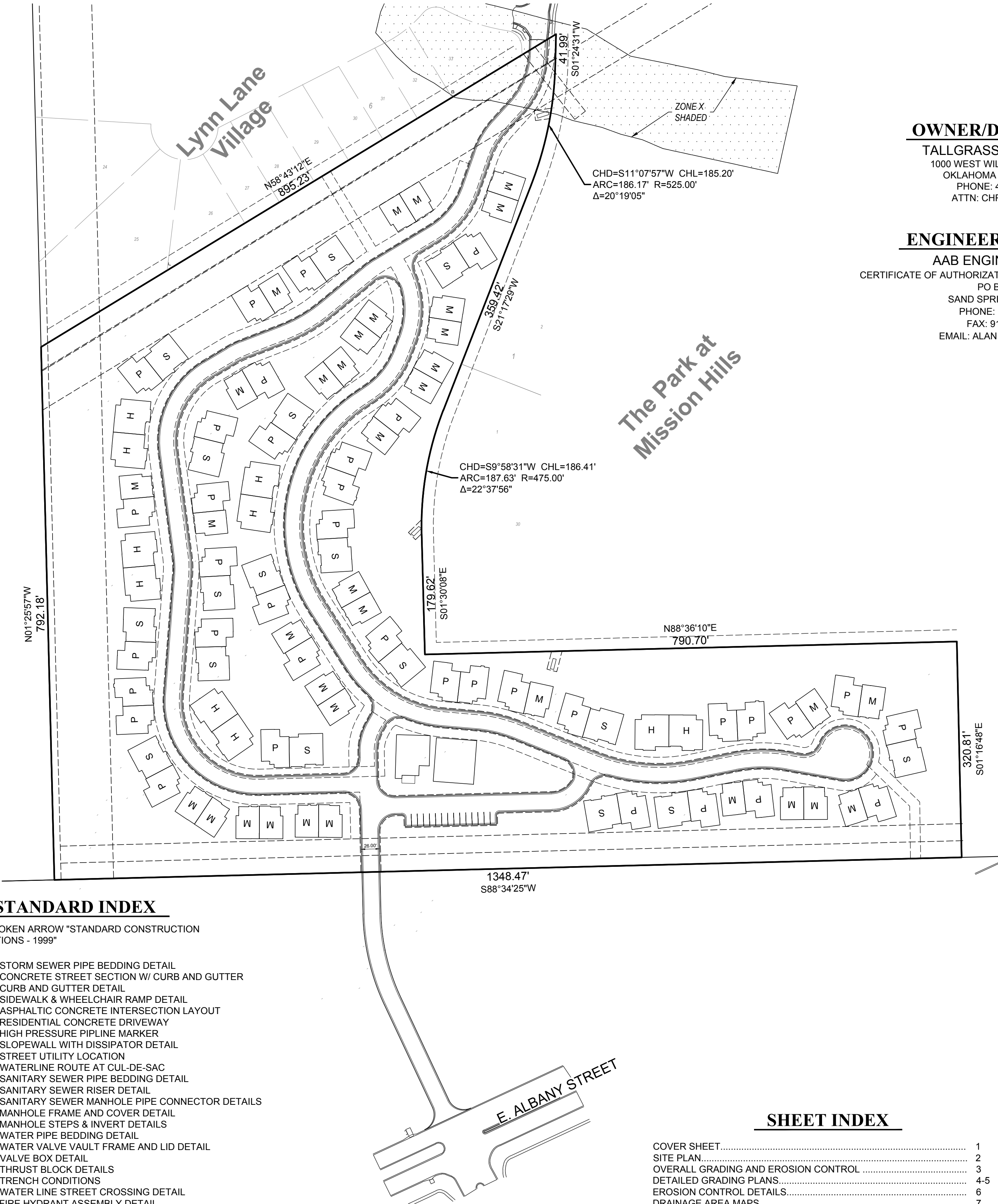
TALLGRASS CAPITAL LLC.
1000 WEST WILSHIRE, SUITE 357
OKLAHOMA CITY, OK 73116
PHONE: 405-840-4400
ATTN: CHRIS FRANKLIN

ENGINEER/SURVEYOR

AAB ENGINEERING LLC
CERTIFICATE OF AUTHORIZATION NO. 6318, EXP. JUNE, 30, 2020
PO BOX 2136
SAND SPRINGS, OK 74063
PHONE: 918.514.4283
FAX: 918.514.4288
EMAIL: ALAN @ AABENG.COM

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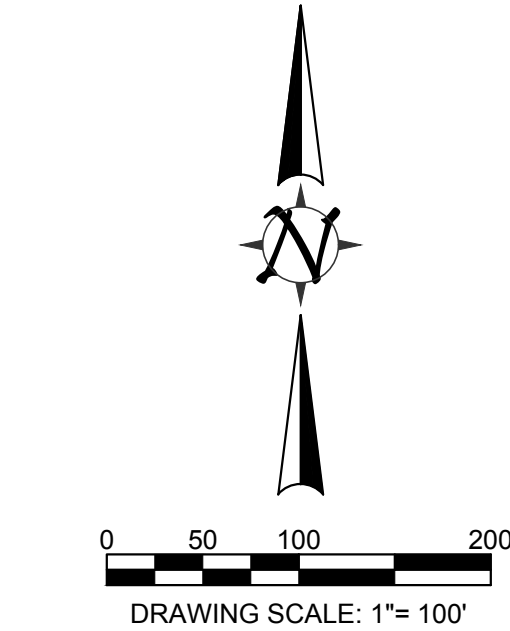
STANDARD INDEX

CITY OF BROKEN ARROW "STANDARD CONSTRUCTION SPECIFICATIONS - 1999"

ST01 -	STORM SEWER PIPE BEDDING DETAIL
ST04 -	CONCRETE STREET SECTION W/ CURB AND GUTTER
ST05 -	CURB AND GUTTER DETAIL
ST06 -	SIDEWALK & WHEELCHAIR RAMP DETAIL
ST10 -	ASPHALTIC CONCRETE INTERSECTION LAYOUT
ST15 -	RESIDENTIAL CONCRETE DRIVEWAY
ST23 -	HIGH PRESSURE PIPELINE MARKER
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UT02 -	STREET UTILITY LOCATION
UT03 -	WATERLINE ROUTE AT CUL-DE-SAC
SS01 -	SANITARY SEWER PIPE BEDDING DETAIL
SS03 -	SANITARY SEWER RISER DETAIL
SS06 -	SANITARY SEWER MANHOLE PIPE CONNECTOR DETAILS
SS09 -	MANHOLE FRAME AND COVER DETAIL
SS11 -	MANHOLE STEPS & INVERT DETAILS
W01 -	WATER PIPE BEDDING DETAIL
W03 -	WATER VALVE VAULT FRAME AND LID DETAIL
W05 -	VALVE BOX DETAIL
W06 -	THRUST BLOCK DETAILS
W07 -	TRENCH CONDITIONS
W08 -	WATER LINE STREET CROSSING DETAIL
W09 -	FIRE HYDRANT ASSEMBLY DETAIL
W11 -	3/4" METER SETTING
W20 -	TRENCH ADJACENT TO ROADWAY

THE FOLLOWING ODOT ROADWAY DESIGN STANDARD DETAIL AND SPECIFICATIONS WILL BE USED FOR THIS PROJECT (MAY 2009)

MJB-3-1	MANHOLES & JUNCTION BOXES
CDIP30-1	CONCRETE DROP INLETS FOR 30 DEG. SKEW 18" TO 72" R.C. PIPES
SMD-3	STANDARD MEDIAN DRAIN



LEGEND

A/C.....	AIR CONDITIONER UNIT/PAD
4GAI.....	4-GRATE AREA INLET
AMH.....	ACCESS MANHOLE
B/L.....	BUILDING SETBACK LINE
B/W.....	BARBED WIRE FENCE
BC.....	BOTTOM OF CURB
BM.....	BENCHMARK
BOP.....	BEGINNING OF PROJECT
C/L.....	CHAIN LINK FENCE
CCI.....	CONCRETE CURB INLET
CICI.....	CAST IRON CURB INLET
CONC.....	CONCRETE
CPED.....	CABLE/TV PEDESTAL
CY.....	CUBIC YARDS
EOP.....	END OF PROJECT
ELEC.....	ELECTRIC
EPED.....	ELECTRIC PEDESTAL
ESMT.....	EASEMENT
EX.....	EXISTING
F/E.....	FENCE EASEMENT
FH.....	FIRE HYDRANT
FL.....	FLOWLINE
FLT.....	THROAT FLOWLINE
FP.....	FLAG POLE
GLT.....	GROUND LIGHT
GM.....	GAS METER
GRSR.....	GAS RISER
GUY.....	DOWN GUY
GV.....	GAS VALVE
HDPE.....	HIGH DENSITY POLYETHYLENE
IPF.....	IRON PIN FOUND
LF.....	LINEAR FEET
LNA.....	LIMITS OF NO ACCESS
LP.....	LIGHT POLE
MA/E.....	MUTUAL ACCESS EASEMENT
MB.....	MAILBOX
OD/E.....	OVERLAND DRAINAGE ESMT
OE.....	OVERHEAD ELECTRIC
OL.....	ORNAMENTAL LIGHT
PG.....	PROPOSED GRADE
PP.....	POWER POLE
RW/E.....	RESTRICTED WL EASEMENT
RCP.....	REINFORCED CONC. PIPE
RET. WALL.....	RETAINING WALL
S/W.....	SIDEWALK
SD.....	STORM DRAIN
SDMH.....	STORMWATER MANHOLE
SF.....	SQUARE FEET
SGAI.....	SINGLE GRATE AREA INLET
SPHD.....	SPRINKLER HEAD
SS.....	SANITARY SEWER
SSCO.....	SANITARY SEWER CLEANOUT
SSLH.....	SANITARY SEWER LAMPHOLE
SSMH.....	SANITARY SEWER MANHOLE
SY.....	SQUARE YARD
TC.....	TOP OF CURB
TG.....	TOP OF GRATE
TP.....	TOP OF PAVING
TPED.....	TELEPHONE PEDESTAL
TR.....	TOP OF RIM
TS.....	TRAFFIC SIGN
TW.....	TOP OF WALL
U/E.....	UTILITY EASEMENT
UG.....	UNDERGROUND GAS LINE
UTMH.....	UTILITY MANHOLE
W/ DIP.....	WITH UNDERGROUND RISER
WL.....	WATERLINE
WLMH.....	WATERLINE MANHOLE
WM.....	WATER METER
WRSR.....	WATER SPIGOT
WV.....	WATER VALVE

