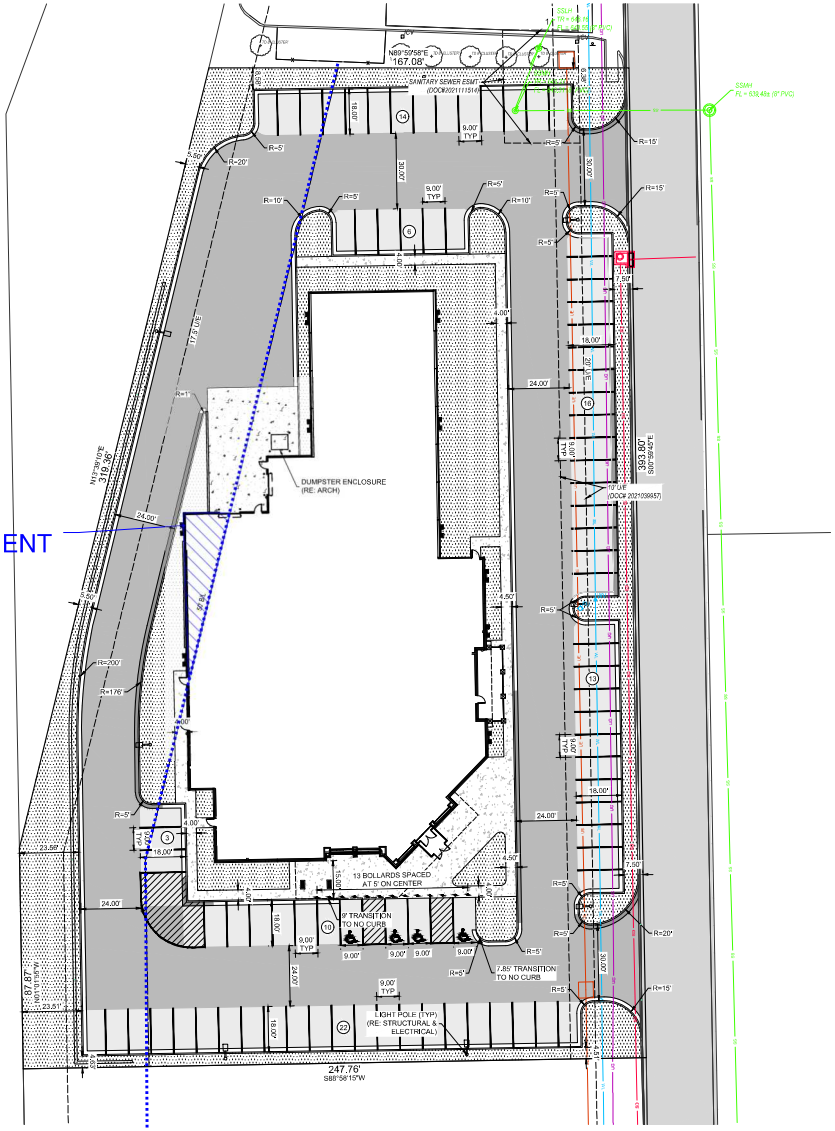
Paving, Grading, Storm Sewer and Utility Plan
for

# Frontier Justice


**ENGINEER/SURVEYOR**
AAB ENGINEERING LLC
PO BOX 2136
SAND SPRINGS, OK 74063
PHONE: 918.514.4283
FAX: 918.514.4288


DRAWING SCALE: 1"= 20'




R-12-E
W 91ST STREET

LOCATION MAP
SCALE: 1"=2000'

## SURVEY LEGEND

| | |
|---|---|
| SS | SANITARY SEWER SERVICE |
| WL | WATERLINE SERVICE |
| UE | UNDERGROUND ELECTRIC SERVICE |
| GS | GAS SERVICE |
| UC | UNDERGROUND COMMUNICATIONS SERVICE |
| OE | OVERHEAD ELECTRIC SERVICE |
| | EXISTING FENCE |
| | MINOR CONTOUR |
| | MAJOR CONTOUR |
| | FLOODPLAIN LINE (PER FEMA MAPS) |
| | FIRE HYDRANT |
| | POWER POLE |
| | WATER METER |
| | GAS METER |
| | LIGHT POLE |
| | ELECTRIC METER |
| | FOUND MONUMENT |
| | SET MONUMENT |
| | CONTROL POINT |
| SSMH | SANITARY SEWER MANHOLE |
| SSLP | SANITARY SEWER LAMPHOLE |
| SSCO | SANITARY SEWER CLEANOUT |
| SDMH | STORM SEWER MANHOLE |
| | TRANSFORMER |
| | IRRIGATION CONTROL VALVE |
| | DOWNSPOUT |
| | DECIDUOUS TREE (SIZE AS NOTED) |
| | BUSH |
| | PVC PIPE |
| | STREET SIGN |
| | AIR CONDITIONER PAD |
| T | ELECTRIC TRANSFORMER |
| | 1% CHANCE FLOODPLAIN(100 YEAR) |
| | CONCRETE PAVEMENT |
| | ASPHALT PAVEMENT |
| | GRAVEL |
| | RIP RAP |
| A/C | AIR CONDITIONER UNIT/PAD |
| 4GAI | 4-GRATE AREA INLET |
| AMH | ACCESS MANHOLE |
| B/L | BUILDING SETBACK LINE |
| B/W | BARBED WIRE FENCE |
| BM | BENCHMARK |
| POB | POINT OF BEGINNING |
| CONC. | CONCRETE |
| CPED | CABLE/TV PEDESTAL |
| EG | EXISTING GROUND |
| EPED | ELECTRIC PEDESTAL |
| F/E | FENCE EASEMENT |
| FL | FLOWLINE |
| FP | FLAG POLE |
| FLT | THROAT FLOWLINE |
| GLT | GROUND LIGHT |
| GRSR | GAS RISER |
| GUY | DOWN GUY |
| GV | GAS VALVE |
| HDPE | HIGH DENSITY POLYETHYLENE |
| HDRL | HANDRAIL |
| LNA | LIMITS OF NO ACCESS |
| MB | MAILBOX |
| OE | OVERHEAD ELECTRIC |
| TD | TREE DECIDUOUS |
| TP | TOP OF PAVEMENT |
| HWY | HIGHWAY |
| C/L | CENTER LINE |
| IPF | IRON PIN FOUND |
| IPF W/ CAP | IRON PIN FOUND WITH CAP (AS INDICATED) |
| PKF | PK NAIL FOUND |
| PKS | PK NAIL SET |
| IPSWCAP | IRON PIN SET W/ CAP STAMPED 6318 |
| CMP | CORRUGATED METAL PIPE |
| RCP | REINFORCED CONCRETE PIPE |

## BENCHMARK

GRID BEARINGS OF THE OKLAHOMA STATE PLANE COORDINATE SYSTEM - ZONE 3501 NORTH, EAST LINE OF LOT 1
ELEV= N00 59'48"W (NAVD 1988)

BEFORE YOU DIG CALL OKIE

## SHEET INDEX


| | |
|---|---|
| COVER SHEET | C-101 |
| GRADING AND EROSION CONTROL PLAN | C-102 |
| EROSION CONTROL DETAILS | C-103 |
| WALL PLAN & PROFILE | C-104 |
| STORM PLAN | C-105 |
| STORM PROFILE | C-106 |
| PAVING PLAN | C-107 |
| UTILITY PLAN | C-108 |
| LANDSCAPE PLAN | C-109 |


## STANDARD INDEX

THE FOLLOWING CITY OF TULSA STANDARD DETAILS AND SPECIFICATIONS WILL BE USED FOR THIS PROJECT (MAY 2005):

| | |
|---|---|
| 128 | STANDARD STRAW BALE DIKE, SILT FENCE & CONSTRUCTION ENTRANCE |
| 304 | BEDDING DETAIL - RIGID PIPE |
| 306 | TRENCH DETAIL CONSTRUCTION ADJACENT TO ROADWAY |
| 313 | VAL VE BOX |
| 504 | STANDARD METER SETTINGS FOR 2" WATER SERVICE |
| 507 | METER CAN WITH RIM & LID 2" WATER METER INSTALLATION |
| 551 | 4", 6", 8" DETECTOR CHECK ASSEMBLY AND METER CAN |
| 706 | COMMERCIAL DRIVEWAY |
| 707 | COMMERCIAL DRIVEWAY |
| 714 | PAVEMENT CUTS |
| 751 | PIPE BEDDING DETAIL FOR STORM SEWER |
| 752 | FRAME AND LID FOR STORMWATER MANHOLES |
| 753 | FRAME AND LID FOR 4' AND 5' ID STORMWATER MANHOLE |
| 764 | STANDARD REINFORCED CONCRETE STORMWATER INLETS |
| 765 | STANDARD STORMWATER FRAMES |
| 766 | STANDARD STORMWATER GRATES |
| 767 | STANDARD CAST IRON CURB |
| 775 | STANDARD PRE-CAST CONCRETE STORMWATER MANHOLE |
| 770 | STANDARD DROP INLET - 15", 18" & 24" |
| 790 | STANDARD SIDEWALK RAMP |

## SHEET LEGEND

- PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- PROPOSED STANDAR DUTY CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- LANDSCAPE AREA

## FLOODPLAIN CERTIFICATION

ALL OF THIS PROPERTY LIES WITHIN UNSHADED ZONE "X" AS SHOWN BY FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP FOR THE COUNTY OF TULSA, OK, COMMUNITY PANEL NUMBER FM40143C0344L EFFECTIVE DATE OCTOBER 16, 2012.

## IMPERVIOUS CALCULATIONS:

| | |
|---|---|
| TOTAL AREA: | 85,607 SF |
| EXISTING IMPERVIOUS AREA: | 0 SF |
| PROPOSED IMPERVIOUS AREA: | 88,928 SF |
| TOTAL IMPERVIOUS INCREASE: | 88,928 SF |

SAL
SLAGGIE ARCHITECTS, INC.

Registered Professional Engineer
Miguel Betcron
25330
OKLAHOMA

**Frontier Justice**
**New Facility**
South Gateway Place
Jenks, OK 74037

Revisions:

Project #: 220402

**Permit / Construction Set**

December 01, 2022

SITE PLAN

**C-101**