SURVEY DATA
1. UNLESS OTHERWISE NOTED, POINTS ARE STANDARDIZED FOR MEASURING AND FIELD SURVEYING. THUS, POINTS ARE LOCATED AT INTERSECTIONS OR AT POINTS OF EASY ACCESS WITH RESPECT TO PUBLIC OR PRIVATE PROPERTY OR OTHER POINTS WHERE AN APPROPRIATE LOCATION OF A POINT IS DECIDED.
2. BENCHMARK INFORMATION
   CITY OF TULSA STANDARD DETAILS
   STREET DEION SPEED LENGTH (FT) LENGTH (MILES) LENGTH (LANE MILES)
   EAST 35TH STREET NORTH 26 1110 0.21 0.42
   EAST 35TH STREET SOUTH 25 1088 0.17 0.34
   EAST 35TH PLACE NORTH 25 1790 0.34 0.68
   NORTH ROANOKE AVE 26 1520 0.23 0.47
   NORTH ROANOKE AVE 25 1380 0.23 0.47
   TOTAL 25 1270 0.1 0.22
   1270 1.05 2.19

BENCHMARK INFORMATION
   CITY OF TULSA CONTROL POINTS: 2101 N. 24TH AVE.
   N-WILDS NO. 57023968, ELEV. 110.73 (AVCO 1998)

SITE BENCHMARKS
   URL:
   URL:
   URL:
   URL:

   SITE BENCHMARKS
   URL:
   URL:
   URL:
   URL:

   ODOT STANDARD DETAILS
   DATA:
   URL:
   URL:
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   ODOT STANDARD DETAILS
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   ODOT STANDARD DETAILS
   CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND
   DRAWING AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2015 OKLAHOMA
   STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

   THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY DEDUCTION REQUIREMENTS.
GENERAL CONSTRUCTION NOTES (REV. 1/11/20)

1. ALL CONSTRUCTION MATERIALS SHALL BE IN ACCORDANCE WITH THE 2018 OKLAHOMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HUMAN CONSTRUCTION AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARDS DETAILS AND CITY OF TULSA SPECIFIC PROVISIONS.

2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND QUALITY OF THE CONTRACTOR'S WORK. THE CONTRACTOR SHALL INSURE ALL MECHANICAL, SAFETY, SECURITY SYSTEMS AND THEIR EQUIPMENT, AND THE CONTRACTOR SHALL BEAR ALL RISK OF LOSS OR DAMAGE TO PERSONAL INJURY OR DEATH OR PROPERTY DAMAGE WHICH MAY RESULT FROM OR OCCUR IN CONNECTION WITH THE PERFORMANCE OF THE WORK COVERED BY THE CONTRACT.

3. PAY FOR WORK SHALL BE AS SPECIFIED ON THE CITY OF TULSA PER COST ESTIMATES DRAWN EXCEPT AS MODIFIED BY THE CONTRACT.

4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK AT THIS LOCATION, INCLUDING SUBURBAN, SUBURBAN WATER, GAS, WIFI, SATELLITE, TELEPHONE, ETC. THE CONTRACTOR SHALL PAY FOR PAYMENT OF ANY ALL LOST SALES WHOSE WORK RESULTS FROM THE FAILURE TO COMPLY WITH THIS PROVISION.

5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO THE AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCING WORK TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS:

- SOUTHWESTERN OKLAHOMA PUBLIC SERVICE COMPANY OF OKLAHOMA (ASP)
- OKLAHOMA NATURAL GAS COMPANY
- OKLAHOMA CABLE TV
- OKLAHOMA GAS COMPANY

6. THE CONTRACTOR SHALL USE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO LESS THAN 48 HOURS PRIOR TO COMMENCING WORK ON THE PROJECT. THE CONTRACTOR SHALL PAY FOR PAYMENT OF ANY ALL LOST SALES WHOSE WORK RESULTS FROM THE FAILURE TO COMPLY WITH THIS PROVISION.

7. THE CONTRACTOR SHALL PREPARE A REASONABLE PRECAUTION TO PREVENT EXCESS MISTAKES FROM OCCURRING WHEN OTHER UTILITIES ARE EXCAVATED. THE CONTRACTOR SHALL PAY FOR PAYMENT OF ANY ALL LOST SALES WHOSE WORK RESULTS FROM THE FAILURE TO COMPLY WITH THIS PROVISION.

8. ALL MATERIALS, FABRICATION, ETC. SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR AND THE CONTRACTING AUTHORITY SHALL BE COMPLETELY SATISFIED WITH THE EXECUTION OF THE WORK. THE CONTRACTOR SHALL INCREASE ANY AND ALL EXISTING UTILITIES WHICH MAY RESULT FROM THE FAILURE TO COMPLY WITH THIS PROVISION.


10. THE CONTRACTOR SHALL INFERENCE THE INTENSITY OF THE SHADERA RASTER BURIED STRUCTURES AND ALL OTHER UTILITY STRUCTURES BEFORE THE PROJECT EXTENDS.

11. THE CONTRACTOR SHALL WORK IN COORDINATION WITH THE CITY OF TULSA TO ESTABLISH, MAINTAIN, AND OPERATE COMPLETE, ACCURATE, AND USER TRAFFIC CONTROL DURING THE ENTIRE PERIOD OF CONSTRUCTION, INCLUDING ALL_FINALIZED LANE WIDENINGS, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.

12. CONTRACTORS FOR SAFETY WILL BE AS MOVED APPROVED BY THE ENGINEER IN ACCORDANCE WITH STANDARDS FOR THE MANUAL ON WORKING SAFETY CONTROL DEVICES, CURRENT ADDENDUM AND APPLICABLE CRITICAL CRITERIA OR SPECIFIC TERMS OR TERMS, THE CONTRACTOR SHALL PROVIDE A PROPRIETARY TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.

13. THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA ENGINEERING, 918-599-4850, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO MODIFYING TRAFFIC SCALES.


16. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PREPAREDNESS AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAYMENT PAYMENT, AND MAIL AND Display OF THE NOTICE.

17. LOCAL AND THROUGH TRAFFIC MAY BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.

18. ALL PUBLIC AND PRIVATE STREET AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.

19. ALL BROKEN CONCRETE, CEMENT MAT, AND OTHER ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A MANOR APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE REMOVAL OF THE MATERIAL.


21. THE CONTRACTOR SHALL PROVIDE THE CITY OF TULSA WITH A COPY OF THE PROJECT'S RIGHTS-OF-WAY PREPARED BY THE ENGINEER PRIOR TO BEGINNING WORK.

22. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PREPAREDNESS AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAYMENT PAYMENT, AND MAIL AND Display OF THE NOTICE.

23. LOCAL AND THROUGH TRAFFIC MAY BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.

24. ALL PUBLIC AND PRIVATE STREET AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.

25. ALL BROKEN CONCRETE, CEMENT MAT, AND OTHER ITEMS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A MANOR APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE REMOVAL OF THE MATERIAL.


ROADWAY CONSTRUCTION NOTES

COWANCHE PARK CHOICE NEIGHBORHOOD CONTRACT 2
E 36TH ST N & NE 810A AVE
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

5/4/2024

MANUAL V6.0.001

PLAN SHEETS

08 - 09 OF 01 SHEETS

NOTICE OF COMPLAINT

04/26/2024

ISSUE DATE

04/26/2024

DATE SUBMITTED

04/26/2024

DATE REVIEWED

04/26/2024

DATE APPROVED

04/26/2024

DATE REVISIONED

04/26/2024

DATE DESIGNED

04/26/2024

DATE ISSUED
### SUMMARY OF ROAD LOCATIONS

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### SUMMARY OF VARIOUS CONDITIONS

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### SUMMARY OF REMOVAL QUANTITIES

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### SUMMARY OF ROLLERQUANTITIES

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## SUMMARY OF CONSTRUCTION TRAFFIC CONTROL / PERMANENT SIGN QUANTITIES

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<td>SW 135J to SW 135H</td>
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<td>54</td>
<td>SW 135H to SW 135E</td>
<td>Chain Hoist,</td>
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## SUMMARY OF ROADWAY QUANTITIES

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<tr>
<th>PREP SHEET NO.</th>
<th>STATION TO STATION</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>CENTERLINE</th>
<th>SPEED LIMIT</th>
<th>PROJECT ORGANIZATION</th>
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<tr>
<td>45</td>
<td>SW 137 ST to SW 136T</td>
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<td>SW 137 ST to SW 136T</td>
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<td>SW 136T to SW 136M</td>
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<td>SW 135H to SW 135E</td>
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### Notes:
- 270 calendar days were used to estimate quantities.
| PIPE SIZE | DEPTH | TRAP | EXC | ATL. BACKING | CMH. DEPTH | STRUC. DEPTH | ADJ. DEPTH | EDGE FLUSH | GATE | ELECTRIC | IMMERS. | DRAIN | OIL | WATER | LINING | CASSETTE | CHAIN | DRIP | SUCTION | PEN | RODDENBER | CONCRETE & SANDSTONE LINING | CEMENT | COST | SUMMARY OF STORMWATER QUANTITIES | COMANCHE PARK CHOICE NEIGHBORHOOD CONTRACT 2 E 56TH ST N & N PEORIA AVE CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT | PLANS AND ESTIMATES PREPARED BY | \[\text{This is a table with data, but the specific content is not legible or detailed enough to transcribe accurately.} \]
Topographic Survey
Comanche Park Addition
Section 18, T-20-N, R-13-E
City of Tulsa, Tulsa County, Oklahoma

Surveyor's Certification


CAUTION
NOTES TO CONTRACTOR

1. ANYTHING OF VALUE OR ATTORNEY'S TITLE SEPARATE NOT AVAILABLE AT DATE OF SURVEY.
2. EXACTNESS DEPENDENT UPON THE MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR IS NOT TO RELY ON ANY MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR IS NOT TO RELY ON ANY MEASUREMENTS TAKEN IN THE FIELD.
3. ALL INFORMATION COLLECTED MAY NOT BE SHOWN. DATA THAT WERE DELETED.
4. THE HORIZONTAL DATA FOR THIS SURVEY IS BASED ON U.S.G.S. SURVEY RADAR.
5. THE HORIZONTAL DATA FOR THIS SURVEY IS BASED ON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM RADAR.
STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

PROJECT LIMITS: THE NORTHEAST CORNER OF NORTH PEORIA AVENUE AND EAST WITH STREET NORTH

PROJECT DESCRIPTION: INSTALLATION OF NEW STREETS INCLUDING CURB AND GUTTER, SIDEWALK IN ROW, STREET SEWER, SANITARY SEWER, WATERLINE, STREET LIGHTS AND TREES IN ROW

TEMPORARY EROSION CONTROL TO BE INSTALLED BEFORE ANY CONSTRUCTION ACTIVITIES COMMENCE

PERMANENT EROSION CONTROL TO BE INSTALLED BEFORE TEMPORARY EROSION CONTROL REMOVED

TEMPORARY EROSION CONTROL TO BE REMOVED AFTER PERMANENT EROSION CONTROL IS INSTALLED, TO EXTENT PRACTICABLE

SOIL TYPE: SANDY LOAM, SILT LOAM, SILTY CLAY LOAM, LOAM

TOTAL AREA OF THE CONSTRUCTION SITE 32.09 AC

ESTIMATED AREA TO BE DISTURBED 33.52 AC

OFFSITE AREAS TO BE DRIED FOR (CONTRACTOR USE) 1.44 AC

TOTAL IMPERVIOUS AREA 1.96 AC

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE 0.75

LATITUDE & LONGITUDE OF CENTER OF PROJECT: W 90° 58' 24.54", N 36° 12' 28.40'

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: DIRTY BUTTER CREEK & FLAT ROCK CREEK

SENSITIVE WATERS OR WATERSHEDS:

YES X NO

303(d) IMPAIRED WATER:

YES X NO

IF YES, LIST IMPAIRMENT:

MACROINVERTEBRATE BIO

LOCATED IN A TMDL:

YES X NO

LAKE THUNDERBIRD TMDL:

YES X NO

MS4 ENTITY:

YES X NO

IF YES, LOCATION:

NOTE:

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.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

TEMPORARY SEEDING

PERMANENT Seeding, SPROODING 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 DYES

TEMPORARY FIBER LOGS

DIVERSION, INTERCEPTOR OR PERMEABLE DYES

DIVERSION, INTERCEPTOR OR PERMEABLE SHALES

ROCK FILTER DAMS

TEMPORARY SLOPE CHAIN

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

SANDBOX BERM

TEMPORARY STREAM CROSSINGS

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. INSPECTOR BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDRED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY DISTURBED AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS 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 MATERIAL HANDLING, MATERIAL DETAILING. ALL WASTE 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 THE MANUFACTURER RECOMMENDATIONS, STATE AND LOCAL AGENCIES, AND MDHHA CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PANTS, ACIDS, CLEANING SOLVENTS, CHEMICAL RACKETS, 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-BUILD 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 PROGRESS 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. BORROW PITS, WORK ROADS, MATERIAL STORAGE AND SITES WHERE POLLUTANTS ARE STORED OR ARE DEPOSITED MAY REQUIRE PERMITS FROM ODEQ AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAMINATION OF HAZARDOUS MATERIALS AND THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

OFFSITE VEHICLE TRACKING:

HALF, ROADS DAMPENED FOR DIRT CONTROL

LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN

EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

103.05 BONDING REQUIREMENTS

104.10 FINAL CLEAN UP

104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK

104.13 ENVIRONMENTAL PROTECTION

104.58 STORAGE AND HANDLING OF MATERIAL

107.01 LAWS AND REGULATIONS TO BE OBSERVED

107.20 STORM WATER MANAGEMENT

220 MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION

221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:

"ODEQ GENERAL PERMIT (OK10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA," ODEQ WATER QUALITY DIVISION, NOVEMBER 1, 2021.

STORMWATER MANAGEMENT PLAN

COMANCHE PARK CHOICE

NEIGHBORHOOD CONTRACT 2

E 36TH ST N & PEORIA AVE

CITY OF TULSA, OKLAHOMA

PUBLIC WORKS DEPARTMENT

REVISED 10-15-2020
1. Where underground utilities are encountered adjacent to the pipe, the materials shall be removed and replaced with foundation stabilization at the direction of the engineer. Any additional foundation stabilization in excess of 8' shall be subject to the engineer’s approval.

2. Foundation joints shall be installed at a minimum spacing of 4' to form a continuous foundation. Foundation joints shall be constructed using a foundation jointing compound. Foundation joints shall be spaced at a maximum of 4'. Foundation joints shall be constructed using a foundation jointing compound. Foundation joints shall be spaced at a maximum of 4'.

3. Foundation joints shall be spaced at a minimum of 4'. Foundation joints shall be installed at a minimum spacing of 4' to form a continuous foundation. Foundation joints shall be constructed using a foundation jointing compound. Foundation joints shall be spaced at a maximum of 4'. Foundation joints shall be constructed using a foundation jointing compound. Foundation joints shall be spaced at a maximum of 4'.

TYPICAL RCP TRENCH SECTION

2 RCB CONSTRUCTION JOINTS

SCALE 1:120

RCB TRENCH SECTIONS AND DETAILS

COMANCHE PARK CHOICE
NEIGHBORHOOD CONTRACT 2
E 36TH ST N & PEORIA AVE

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
1. REINFORCING AT RECTANGULAR OPENINGS

2. REINFORCING AT CIRCULAR & MANHOLE OPENINGS

3. SECTION AT RC8 SLAB / MANHOLE OPENING

4. WATERSTOP JOINTS

5. WALL VERTICAL CONSTRUCTION JOINT

6. WALL CONSTRUCTION JOINT AT BASE

7. BAR DETAILS AT WALL INTERSECTION

8. CONCRETE REINFORCING LAP SCHEDULE

**NOTES:**
- Additional reinforcing to be placed at 1 1/2" O.C.
- Add horizontal bars to match horizontal opening length to equal opening dia. and (2) lap space.
- Distance from top of bar to top of slab is less than lap length.

**REINFORCEMENT AT RECTANGULAR OPENINGS**

**REINFORCEMENT AT CIRCULAR & MANHOLE OPENINGS**

**SECTION AT RC8 SLAB / MANHOLE OPENING**

**WALL VERTICAL CONSTRUCTION JOINT**

**WALL CONSTRUCTION JOINT AT BASE**

**BAR DETAILS AT WALL INTERSECTION**

**CONCRETE REINFORCING LAP SCHEDULE**

**NOTES:**
- Additional reinforcing to be placed at 1 1/2" O.C.
- Add horizontal bars to match horizontal opening length to equal opening dia. and (2) lap space.
- Distance from top of bar to top of slab is less than lap length.

**CONCRETE REINFORCING LAP SCHEDULE**

- #2: 1/2" lap
- #3: 3/4" lap
- #4: 1" lap

**REFERENCES:**
- Design:
- Structural:
- Construction:

**PLANS & ESTIMATES:**
- City of Tulsa, Oklahoma Public Works Department

**COMPANY:**
- City of Tulsa, Oklahoma Public Works Department

**SHEET:**
- 004200

**SCALE:**
- 1" = 1'-0"

**DRAWN BY:**
- E. J. Peck

**CHECKED BY:**
- J. M. Stensland

**DRAWN:**
- 04/20/20

**CHECKED:**
- 05/03/20

**APPROVED:**
- 05/12/20
PLAN AT HORIZ. BEND IN RCB WALLS

PLAN AT HORIZ. BEND IN RCB SLAB AND FLOOR

RCB HORIZONTAL BEND

COMANCHE PARK CHOICE
NEIGHBORHOOD CONTRACT 2
E 36TH ST N & N PEORIA AVE
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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JUNCTION BOX NO. A5 DETAILS
COMANCHE PARK CHOICE NEIGHBORHOOD CONTRACT 2
E 36TH ST N & N PEORIA AVE
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT

SECTION 3
SCALE: 3\'\' = 1'-0"

SECTION 4
SCALE: 3\'\' = 1'-0"

SECTIONAL PLAN
SCALE: 1\'\' = 4'

TOP PLAN
SCALE: 1\'\' = 4'
ORDNANCE FLOW CALCULATION

Q = 0.01467 x AREA x (0.8169)

AREA = 96.95 ACRES

Q = 0.616 MGD

Q = 0.952 CFS

SANITARY SEWER DRAINAGE BASIN
COMANCHE PARK CHOICE NEIGHBORHOOD CONTRACT 2 E 36TH ST N & N PEORIA AVE
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT

PLAN AND ESTIMATES PREPARED BY:

CAUTION
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY WARNED THE LOCATION AND ELEVATION OF EXISTING UTILITY AUHORITIES ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY OWNERS, AND ARE NOT TO BE CONSIDERED AS BEING ACCURATE. THE CONTRACTOR IS FURTHER WARNED TO CONTACT THE APPROPRIATE UTILITY OWNERS FOR EXACT ELEVATIONS AND LOCATIONS OF THE UTILITIES PRIOR TO BEGINNING EXCAVATION.

04/05/2024

CHARTERED ENGINEER

CERTIFIED by Signature of Engineer

REQUESTED BY

REVIEWED BY

DATE: DD/MM/YYYY

 SHEET NO. OF 27 SHEETS

811 KNOW WHAT’S BELOW. CALL BEFORE YOU DIG.
1. PRIOR TO EXCAVATION, CONTRACTOR SHALL VERIFY UTILITY LOCATIONS WITH TELEPHONE, GAS, CABLE TV AND ELECTRIC COMPANIES. OWNERS REPRESENTATIVE AND CONTRACTOR TO REVIEW SITE ELECTRICAL SITE GRADING AND DRAINAGE, SITE IRRIGATION AND ALL OTHER DRAWINGS PERTAINING TO UNDERGROUND UTILITY LOCATIONS.

2. CONTRACTOR SHALL MEASURE THE STATIC WATER PRESSURE AND SHALL REPORT TO LANDSCAPE ARCHITECT IN WRITING A MINIMUM OF TWO (2) WEEKS PRIOR TO COMMENCEMENT OF IRRIGATION INSTALLATION. SHOULDN'T STATIC WATER PRESSURE BE LESS THAN 35 PSI OR GREATER THAN 80 PSI, CONTRACTOR SHALL RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT PRIOR TO PROCEEDING. ADJUST PRESSURE REDUCING VALVE TO MINIMIZE FLOWING AND STILL MAINTAIN ADEQUATE PRESSURE TO ALL ZONES.

3. THE IRRIGATION DESIGN IS DIAGRAMATIC. THE INTENT OF THE DRAWINGS IS TO SHOW THE GENERAL, LAYOUT AND LOGIC OF THE SYSTEM. SCALED MEASUREMENTS MAY NOT BE ACCURATE. ACTUAL LOCATIONS AND QUANTITIES OF PIPE AND FITTINGS MAY VARY DUE TO ACTUAL INSTALLATION CONDITIONS. CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS FOR PLANTING LOCATIONS AND OTHER OBSTRUCTIONS AND TO PROVIDE THE PROPER AND UNIFORM COVERAGE.

4. IRRIGATION INSTALLATION SHALL BE COORDINATED WITH EXCAVATION, GRADES, BUILDING PAVING AND PLANTING OPERATIONS.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PLACEMENT OF ALL SLEEVES ON THE PROJECT WHETHER OR NOT THEY ARE SHOWN ON THE DRAWINGS. SLEEVES UNDER SIDEWALKS AND CONCRETE OTHER THAN CITY STREETS SHALL BE PBC BOX 4X12 IN STRAIGHT LENGTHS. SLEEVES SHALL BE BID-TWO (2) TIMES THE NORMAL DIAMETER OF THE LARGEST PIPE PASSING THROUGH THE SLICE. SLEEVES SHALL BE INSTALLED AT A MINIMUM DISTANCE OF TWENTY-FOUR (24) INCHES FROM FINISH GRADE. COORDINATE HORIZONTAL AND VERTICAL ELEVATIONS WITH UTILITIES AND FOOTINGS. A SEPARATE MINIMUM 4" DIAMETER SLICE SHALL BE PROVIDED FOR THE CONTROLS, WIRES TO PASS THROUGH AT EACH CROSSING. ALL SLEEVES UNDER CITY STREETS SHALL MEET THE MUNICIPAL REQUIREMENTS OF THE CITY STREET, WATER AND SEWER DEPARTMENTS.

6. CONTRACTOR SHALL FOLLOW DRAWINGS, SPECIFICATIONS AND SPECIFIC MANUFACTURER'S RECOMMENDATIONS TO INSURE PROPER INSTALLATION OF THE IRRIGATION SYSTEM. CONTRACTOR SHALL NOTIFY OWNER IN WRITING WHEN THERE APPEARS TO BE A CONFLICT BETWEEN ANY OF THE ABOVE STATED DOCUMENTS.

7. ALL IRRIGATION CONSULTS SHALL EXTEND 2' BEYOND CURB. EXPAND END OF SLEEVES AT COLLECTORS.

8. INSTALL AUTOMATIC IRRIGATION DEVICE AND PROTECTIVE HOUSING WITH HEAT TAPE. COORDINATE LOCATION WITH OWNERS REPRESENTATIVE. IRRIGATION CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS RECOMMENDATIONS OF THE EQUIPMENT MANUFACTURERS TO INSURE PROPER INSTALLATION OF IRRIGATION SYSTEM.

9. CONTROLLER TO BE INSTALLED AT LOCATION SHOWN. CONTRACTOR SHALL PROVIDE Owner's APPROVAL FOR SPECIFIC PLACEMENT PRIOR TO INSTALLATION.

10. ONE (1) RAIN/FREEZE SENSORS WILL BE INSTALLED AT LOCATION SELECTED TO INSURE PROPER OPERATION AND PROTECTION OF THE SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL RECEIVE OWNERS APPROVAL FOR ACCEPTABLE LOCATION PRIOR TO INSTALLATION OF THE SENSORS.

11. IRRIGATION 24 VOLT COMMON WIRE SHALL BE 16 GAUGE UF AND CONTROL. WIRE SHALL BE 16 GAUGE UF. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND CONNECTING 12 VOLT POWER TO THE CONTROLLER. 12. CONTRACTOR SHALL INSTALL A 1/2" WATER METER FOR THE IRRIGATION SYSTEM. LOCATION OF METER IS SHOWN ON OTHER DRAWINGS.
MATCH LINE SEE SHEET 1.5

P1 – 30' POLE WITH 23,000 LUMEN LED FIXTURE PROVIDED AND INSTALLED BY PSO.
P2 – 19' POLE WITH 7,300 LUMEN LED FIXTURE PROVIDED AND INSTALLED BY PSO.

NOTE: STYLE AND OUTPUT LUMENS MAY BE ADJUSTED/CHANGED BY PSO AFTER PHOTOMETRICS ARE CALCULATED.
2" PVC CONDUIT BURIED 24" BELOW GRADE

East 36th Street North