CONSTRUCTION PLANS FOR COMANCHE PARK CHOICE

PROJECT NO. TD-23-0001, TMUA-W 24-06, ES-2023-18

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS GOVERN ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

ENTIRE PROJECT IS WITHIN CORPORATE LIMITS OF CITY OF TULSA

PER THE LEASE DOCUMENT NO: 134723.DATED OCTOBER 23, 2019 BETWEEN THE CITY OF PEN THE LEASE DOCUMENT NOT 1947/S. DATED DCTOBER 25, 2019 BETWEEN THE CITY OF TOUSA AND TULSA HOUSING AUTHORITY - NOTHING CONTAINED IN THE LEASE OR IN ANY OTHER AGREEMENT BETWEEN THE AUTHORITY AND THE CITY, OR ANY OTHER THIRD PARTY, NOR ANY ACT OF HUD, SHALL BE DEEMED OR CONSTRUED TO CREATE ANY RELATIONSHIP OF THIRD PARTY BENEFICIARY, PRINCIPAL AND AGENT, LIMITED OR GENERAL PARTNERSHIP, JOINT VENTURE, OR ANY ASSOCIATION OR RELATIONSHIP INVOLVING HUD, EXCEPT BETWEEN HUD AND THE AUTHORITY AS WILL BE PROVIDED UNDER THE TERMS OF THE ANNUAL CONTRIBUTION CONTRACT.

TULSA HOUSING AUTHORITY SHALL BE SHOWN AS ADDITIONAL INSURED ON ALL INSURANCE CERTIFICATES FOR THIS PROJECT.

CITY OF TULSA STANDARD DETAILS

- 102 PROJECT SIGN
- 128 STANDARD SILT FENCE, AND CONSTRUCTION ENTRANCE
- 304 BEDDING DETAIL RIGID PIPE
- 305 BEDDING DETAIL SEMI RIGID PIPE 306 - TRENCH DETAIL CONSTRUCTION ADJACENT TO ROADWAY
- 314 MANHOLE STEPS
- 351 BEDDING DETAIL PVC FLEXIBLE SANITARY SEWER PIPE 353 - FRAME AND LID FOR 4' I.D. SANITARY MANHOLES
- 356 SANITARY SEWER MANHOLE WITH TAPER
- 360 LAMPHOLE
- 366 MANHOLE STEP LOCATION AND INVESTIGETAILS
- 414 MANHOLE ADJUSTING RING 608B - TRAFFIC SIGN
- 706 COMMERCIAL DRIVEWAY
- 713 PAVEMENT REMOVAL AND REPLACEMENT
- 714 PAVEMENT CUTS
- 725 STANDARD PAVEMENT PATCH AND REPAIR
- 726 ASPHALT PAVEMENT STANDARD DETAILS FOR RESIDENTIA AND COLLECTOR STREETS
- 727 CONCRETE PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS (1 OF 2)
- 729 CONCRETE PAVEMENT STANDARD DETAILS FOR RESIDENTIAL
- AND COLLECTOR STREETS (2 OF 2) 730 - STANDARD ASPHALT PAVEMENT CUT AND REPAIR
- 731 STANDARD CONCRETE PAVEMENT CUT AND REPAIR
- 733 STANDARD PAVEMENT REHABILITATION FOR UTILITY CONSTRUCTION
- 751 PIPE BEDDING DETAIL FOR STORM SEWER
- 761 STANDARD INLETS AND GRATES W/ ACCESS MANHOLE BACK
- 764 STANDARD REINFORCED CONCRETE STORMWATER INLETS
- 790 STANDARD SIDEWALK RAMP

ODOT STANDARD DETAILS

MJB-3 PM1-1 PCES-5-1

INTERNAL MILESTONES

- ALL SANITARY SEWER MAIN WORK AS SHOWN ON SHEET 18 SHALL BE TOTALLY COMPLETED BY MARCH 15, 2024.
- 2. IF THE CONTRACTOR FAILS TO TOTALLY COMPLETE ALL THE WORK IN AREA II WITHIN THE SPECIFIED TIME, THE CONTRACTOR AGREES TO PAY THE CITY, NOT AS A PENALTY, BUT AS LIQUIDATED DAMAGES FOR BREACH OF CONTRACT, THE SUM OF TWO THOUSAND FIVE HUNDRED. DOLLARS (\$2500.00) FOR EACH AND EVERY CALENDAR DAY FOR FAILURE TO COMPLETE THE WORK IN AREA II
- FOR DETERMINING LIQUIDATED DAMAGE PAYMENTS, THE WORK SHALL BE CONSIDERED FULLY COMPLETE FOR EACH RESPECTIVE AREA WHEN THERE IS NO WORK FOR THE CONTRACTOR TO PERFORM, THE ENTIRE PUNCH LIST ITEMS ARE FINISHED FOR EACH RESPECTIVE AREA AND THE CONTRACTOR HAS REMOVED ALL EQUIPMENT, TRAFFIC CONTROL AND MATERIALS FROM THE SITE
- THE CONTRACTOR MAY BEGIN WORK OPERATIONS IN THE REMAINING AREA AS REQUIRED TO MEET OVERALL PROJECT SCHEDULE.
- 5. CONDITIONS RESULTING FROM SITUATIONS NOT CONTROLLED BY THE CONTRACTOR CAUSING LOST TIME SUCH AS UNFORESEEN UTILITIES, UNUSUALLY SEVERE WEATHER, OR NATURAL DISASTER WILL BE CONSIDERED ONLY FOR COMPUTATION OF LIQUIDATED DAMAGES.

APPROVED BY

SITY ENGINEER

10/12/23 DATE

ADVERTISE DATE

10.20.23

10.12.2023

DIRECTOR, WATER AND SEWER DEPT.

DATE

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STORM DRAIN PLAN AND PROFILE SANITARY SEWER DRAINAGE BASIN MAP PREPARED BY





wallace

SHEET 1 OF 19

PARK CHOICE NEIGHBORHOOD PHASE PROJECT NO TD-23-0001: COMANCHE

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Know what's below. Call before you dig.

PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE COMPANIES AND MEASURABENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

Location Map

| ΕМ | SPEC. NO. | DESCRIPTION | | | QUANTITY | N PEORIA AVE | | E 38TH STREET N | |
|-----|---------------|---|----------------------------|-------|----------|--------------|-----------|-----------------|--|
| | OFEC.NO. | DESCRIPTION | PAYITEM NOTE | UNIT | TOTAL | 8HT 12 | SHT 13 | SHT 12 | SHT 13 |
| 1 | 201(A) | CLEARING AND GRUBBING | E-1, 2 | ACRE | 0.331 | 0.111 | | 0.220 | |
| 2 | 202(A) | UNCLASSIFIED EXCAVATION | E-3, 4, 5, R-1 | CY. | 59.0 | 11,4 | | 48.2 | <u> </u> |
| 3 . | 202(D) | UNCLASSIFIED BORROW | E-5 | CY | 1245 | | | | 1244.6 |
| 4 | 205(A) | TYPE A SALVAGED TOPSOIL | | CY | 217 | | 75.0 | - | 142.3 |
| 5 | 220 | SWPPP DOCUMENTATION AND MANAGEMENT | E-6 | LSUM | 1 | | | | |
| в. | 221(C) | TEMPORARY SILT FENCE | E-7 | LF | 588 | 296 | | 292 | · |
| 7 | 221(F) | TEMPORARY SILT DIKE | 6-7 | LF | 80 | | | 60 | |
| 8 | 221(10 | TEMPORARY FISER LOG | E-7 | LF | 24 | | | 24 | |
| 9 | 230(A) | SOLID SLAB SODOING (LIKE KIND) | E-10, 11 | SY | 1304 | | 450 | | 854 |
| 0 | 303(A) | AGGREGATE BASE TYPE A | E-5, B-1, 2 | CY | 133 | | 44.3 | | 89.0 |
| 1 | 310(B) | SUBGRADE METHOD B | E6 | SY | 73 | | 7.8 | - | 65,4 |
| 2 | 609(A) | 2'-2" COMBINED CURB AND GUTTER (6"BARRIER) | S-12, 13, 15, 16 | LE | 351 | | 33.2 | | 318.0 |
| 13 | 610(B) | 4" CONCRETE SIDEVALK | S-12, 13, 18, 17 | SY | 348 | | 142.4 | | 203.8 |
| 4 | 610(B) | 6" CONCRETE DRIVEWAY | S-12, 13, 16, 17 | SY | 235 | | 99.9 | | 135.3 |
| 5 | B10(I) | TACTILE WARNING DEVICE | a-12, 1a, 10, 17 | SF | 40 | | 20.0 | <u> </u> | |
| 8 | 811(G) | INLET, CICI DESIGN 3, COMPLETE IN PLACE | D-2, 3, 7, 8, 9, 10, 11 | EA | 1 | | 20.0 | <u> </u> | 20.0 |
| 7 | 811(G) | INLET, CICI DESIGN 3 WIAMH, COMPLETE IN PLACE | D-1, 2, 3, 7, 8, 9, 10, 11 | EA EA | | | | i | 1.0 |
| 8 | 513(A) | RCP, 18-INCH ROUND, COMPLETE IN PLACE | D-8, 12, 13 | LF. | 67 | · | | | 1.0 |
| 9 | 813(L) | PCES, 18-INCH ROUND, COMPLETE IN PLACE | D-6, 12, 13 | EA. | 1 | | | | 67.3 |
| 20 | 819(B) | REMOVAL OF ASPHALT PAVEMENT | | BY | 58 | | | | 1.0 |
| !1 | 619(B) | REMOVAL OF CONCRETE SIDEWALK | R-1, 2, 5, 6 | | | | | 58.3 | |
| 22 | 619(8) | REMOVAL OF CONCRETE DRIVEWAY | R-1, 2, 5, 8 | SY | 144 | 144.4 | | | <u> </u> |
| 3 | 619(8) | REMOVAL OF CURB AND GUTTER | R-1, 2, 6, 6 | LF | 21 66 | 20.5 | · · · · · | | |
| 4 | 819(C) | SAWING PAVEMENT | R-1, 2, 5, 6 | LF | | 58.2 | | ļ.: | |
| 5 | 841 | MOBILIZATION | G-2 | EA. | 459 | 102.5 | | 366.8 | |
| 8 | 842 | CONSTRUCTION STAKING, LEVEL, H | G3.4 | EA. | 1 | | | | |
| 7 | 805(A) | REMOVAL OF TRAFFIC ITEMS | T-1 | EA. | 3 | 1,0 | | 2.0 | |
| 8 | 850(A) | SHEET ALUMINUM SIGN | T-2 | SF | 23 | 1,0 | B.0 | 2.0 | 14.0 |
| 29 | 880(E) | SIGHS 0.00 TO 6.25 SF | T-1.6 | SD. | 360 | | 180.0 | | 180.0 |
| 10 | 880(H) | SIGNS 6.25 TO 15.99 SF | T-4,5 | 80 | 540 | | 270.0 | | 270,0 |
| 11 | 880(C) | BARRICADES (TYPE RI) | T-2, 4, 5 | SD | 360 | | 180.0 | - | 180.0 |
| 12 | 880(E) | TYPE"A" WARNING LIGHT | 1-6 | 8D | 720 | | 360.0 | | 360.0 |
| 13 | 680(E) | TYPE "C" WARNING LIGHT | T-5 | SD | 360 | | 180.D | | 180.0 |
| 14 | B80(F) | DRUMS | T-2, 4, 5 | SD | 2880 | | 1440.0 | | 1440.4 |
| 5 | \$80(G) | TUBE CHANNELIZERS | T-2, 4 | SD | 4500 | | 2250.0 | · | 2250.0 |
| 16 | SPECIAL | PROJECT SIGN (CITY OF TULSA) | T-7 | EA | 2 | | | | |
| 7 | SPECIAL | URBAN RIGHT-OF-WAY RESTORATION | G-5, 6, 7, 8, 9, 10 | EA | 1 | | | | <u> </u> |
| 8 | SPECIAL | OWNER ALLOWANCE | | EA | 25000 | | | | |
| 9 | SPECIAL. | SIDEWALK RAMP (TYPE "A") | | EA | . 4 | | 2 | | 2 |
| ٥ | SP COT 334 | CONSTRUCTION AS-BUILTS | | EA | 1 | | | | - |
| 11 | SP COT 335 | CONTRACTOR'S QUALITY CONTROL | | EA | 1 | | | | |
| 12 | SP COT 608(0) | 1 3/4" SQUARE TUBE POST | | LF | 32 | | 10.5 | | 21.0 |
| L3 | SP COT BOS(E) | 2" SQUARE TUBE POST | | LF | 9 | | 3.0 | | 6.0 |

ROADWAY PAY QUANTITIES

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 PUBLIC IMPROVEMENTS

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT
PLANS AND ESTIMATES PREPARED BY:

Wolface
design
collective
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VERTICAL:

DATE: 9/19/23 SHEET 2 OF H SHEETS

ATLAS PÁGE NO.: 218, 219

ENGINEERING SERVICES - TRANSPORTATION DESIGN

PAY ITEM NOTES (VERSION: 11/14/2018)

EARTHWORK / EROSION CONTROL / SITE PREPARATION (E1 - E11)

- E-1: ALL COSTS FOR REMOVING TREES, SHRUBS, STUMPS, POSTS, AND ALL OTHER DEBRIS AND/OR OBSTRUCTIONS NOT COVERED BY A SEPARATE PAY ITEM ARE INCLUDED IN THE PRICE BID.
- E-2: ALL EXISTING DRAINAGE STRUCTURES SHALL BE CLEANED AND CLEARED OF ALL SEDIMENTATION AND DEBRIS TO THE RIGHT OF WAY, COST OF CLEARING SHALL BE INCLUDED IN THE PRICE BID
- E-3: THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY, ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES, QUANTITY CHANGES WILL NOT BE CONSIDERED FOR LATERAL DIFFERENCES IN EXCAVATIONS RESULTING FROM CONTRACTOR'S ACTUAL SLOPED OR SHORED EXCAVATIONS
- E-4: UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.
- E-5: THIS QUANTITY INCLUDES AN ADDITIONAL 10% ABOVE PLAN QUANTITY FOR UNDERCUTTING OF UNSUITABLE SUBGRADE MATERIAL OR ADDITIONAL PATCHING AS DIRECTED BY THE ENGINEER
- E-6: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS
- E-7: EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:
- A) AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM:
- B) IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY:
- C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS. AS DIRECTED BY THE ENGINEER;
- D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN. ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM
- E-8: NOT USED
- E-9: NOT USED
- E-10:ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING LIMITS AND WITHIN THE FINAL GRADING LIMITS AS INDICATED BY THE TOP-OF-CUT/TOE-OF-SLOPE LINE ON THE PLANS (EXCLUDING SURFACES OF STRUCTURES, FIXTURES AND APPURTENANCES). SOD SHALL BE OF LIKE-KIND TO EXISTING SOD. PRICE BID INCLUDES PLACEMENT AND COMPACTION OF SUITABLE BACKFILL. ANY EXISTING GRASSED AREAS BEYOND THE ABOVE STATED LIMITS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESODDED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
- E-11:COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS
 PER 10 SQ YOS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS, WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE,

SURFACING / STRUCTURES (S1 - S21)

- S-1: TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING, QUICK SET FLOWABLE FILL WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 10% OF THE PATCHING, ACTUAL QUANTITIES TO BE DETERMINED BY THE ENGINEER.
- \$-2: INCLUDES COMPACTION OF AGGREGATE TO 98% AASHTO T180 MODIFIED PROCTOR.
- S-3: SEPARATOR FABRIC SHALL BE USED AT ALL PAVEMENT PATCHES AND RECONSTRUCTION SECTIONS. THE SEPARATOR FABRIC SHALL BE CUT AND OVERLAPPED A MINIMUM OF 2 FT AT ALL EDGES OF THE REPAIR
- S-4: NOT USED
- 8-5: NOT USED.
- S-6: NOT USED
- S-7: NOT USED
- S-8: NOT USED
- S-9: NOT USED
- S-103F THE CONCRETE PAVEMENT TYPICAL SECTION SHOWS CURB & GUTTER THE CONTRACTOR MAY REQUEST TO USE INTEGRAL CURB AS AN ALTERNATIVE WITHOUT ANY ADJUSTMENT IN PAY ITEMS OR QUANTITIES, ALSO, IF THE CONCRETE PAYEMENT TYPICAL SECTION SHOWS AN INTEGRAL CURB THE CONTRACTOR MAY REQUEST TO USE CURB & GUTTER AS AN ALTERNATIVE WITHOUT ANY ADJUSTMENT TO PAY ITEMS OR QUANTITIES. EITHER REQUEST MUST BE APPROVED BY THE ENGINEER
- S-11:CONCRETE PAVEMENT SHALL BE COMPLETE IN PLACE. NO PARTIAL OR FINAL PAYMENT SHALL BE MADE UNTIL PAVEMENT HAS BEEN SAWED AND SEALED.
- \$-12:THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED.
- S-13:INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.

S-14:NOT USED

- S-15:THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED, NO PAYMENT WILL BE MADE FOR CURB AND/OR GUTTER THROUGH DRIVEWAYS AND INLETS.
- S-16:CUR8, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE
- S-17:ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS WHICHEVER IS GREATER, NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE COST OF THE THICKENED SIDEWALK THROUGH THIS AREA
- S-18:NOT USED
- S-19:NOT USED.
- S-20:NOT USED.
- S-21: THIS PAY ITEM INCLUDES THE FOLLOWING:
- B. REMOVAL OF THE EXISTING CONCRETE AND/OR ASPHALTIC CONCRETE ROADWAY (CY)
- C. TYPE S3 ASPHALTIC CONCRETE OR PC CONCRETE COMPLETE AND IN PLACE PER DETAIL
- D. SEALING OF EDGES AND TACK COAT

DOES NOT INCLUDE THE FOLLOWING:

- A. UNCLASSIFIED EXCAVATION
- B. SUBGRADE METHOD B (SY)
- C. SEPARATOR FABRIC (SY)
 D. AGGREGATE BASE (TYPE A)
- E. ASPHALT CONCRETE LEVELING OR SURFACE COURSE

- R-1: WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY
- R-2: ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED. REMOVED, REPAIRED, OR REPLACED

R-4: NOT USED.

- R-5: ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.
- R-6: SHALL INCLUDE ALL COSTS ASSOCIATED WITH PLUGGING/ PATCHING HOLES IN EXISTING STRUCTURES TO REMAIN.

GENERAL (G1 - G10)

- G-1: LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER, QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY
- G-2: MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION EXCLUDES MOBILIZATION FOR WATERLINE WORK.
- G-3: CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.
- G-4: THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.
- 0-5: CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THIS PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER AND CITY ARBORIST, COST SHALL BE INCLUDED IN THE PRICE BID.
- G-8: ALL HOUSE NUMBERS SHALL BE REPLACED! REESTABLISHED THROUGHOUT PROJECT LIMITS, COST TO BE INCLUDED IN URBAN RIGHT OF WAY RESTORATION. CONTRACTOR SHALL REESTABLISH DRAINS, ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF TULSA STANDARD 758. NO NEW CURB OUTLETS SHALL BE CONSTRUCTED WITHOUT APPROVAL OF THE
- G-7: AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTACT CITY ARBORIST TO ACCEPT FINAL PLANTINGS. CONTACT #: 918-596-2548
- G-8: TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND TREES.
- G-9: CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION
- G-10: PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.

DRAINAGE (D1 - D15)

- D-1: THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NO.752, STD NO. 753, STD NO. 754 STD NO. 761 AND STD NO. 762.
- P-2: THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE
- 0-3: NO MASONRY STRUCTURES SHALL BE CONSTRUCTED WITHIN THE RIGHT OF WAY.
- D-4: NOT USED.
- D-5: NOT USED.
- D-6: NOT USED.
- D-7: INCLUDES THE COST REQUIRED TO MAKE CONNECTION AND REMOVAL OF EXISTING INLETS, THE COST OF PC CONCRETE CURB AND GUTTER THROUGH THE INLET, 5' EACH SIDE OF THE INLET, AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED, GRATE AND FLOWLINE ELEVATIONS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.
- D-8: QUICKSET FLOWABLE FILL SHALL BE USED TO BACKFILL AROUND STREET CURB INLETS AND REINFORCED CONCRETE PIPE, AS NEEDED, AT
- D-9: ALL INLETS COMPLETE IN PLACE SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. NO BRICK INLETS SHALL BE ALLOWED. THIS PAY ITEM INCLUDES INLET FRAME, GRATE, HOOD AND CONCRETE
- D-10: ADDITIONAL DEPTH IN INLET SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING 3.71 VERTICAL FT, CALCULATED FROM THE CENTER ELEVATION OF THE LOWEST CAST IRON CURB TO THE FLOWLINE OF THE OUTLET PIPE.
- D-11: FOR INLET DESIGN NUMBERS AND CONFIGURATIONS REFER TO CITY OF TULSA STANDARD NO. 755. INLET DETAIL / LIST WILL BE PROVIDED IN THE PLANS FOR CONFIGURATIONS NOT SHOWN IN CITY OF TULSA STANDARDS. D-12: REINFORCED CONCRETE PIPE TO BE CLASS III. ALL REINFORCED CONCRETE PIPE AND MANHOLES TO BE SUPPLIED WITH AN IMNI-FLEX
- JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED. D-13: THIS PAY ITEM SHALL BE COMPLETE IN PLACE AND SHALL INCLUDE ALL PIPE, STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION
- JOINT GASKETS AND ALL OTHER INCIDENTALS. NO ADDITIONAL COST WILL BE MADE. PRIOR TO ACCEPTANCE, INTERIOR OF PIPE SHALL BE INSPECTED FOR DEFECTS USING SELF-PROPELLED MOBILE CLOSED-CIRCUIT CAMERA SYSTEM. D-14: NOT USED
- P-15: NOT USED

TRAFFIC (T1 - T7)

- T-1: ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS
- T-2: REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTMID 4958-01 TYPE IX RETROREFLECTIVE SHEETING, REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE
- T-3: ALL PLASTIC PAVEMENT MARKINGS SHALL BE EITHER:

EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEED 5°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION, PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.

MULTI-POLYMER PAINT (USE ON CONCRETE PAVEMENT). MULTI-POLYMER PAVEMENT MARKINGS SHALL ONLY BE APPLIED 30 DAYS AFTER PAVING WHEN PAVEMENT SURFACE EXCEED 40°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION WITH A MINIMUM WIND CHILL TEMPERATURE OF 35°F, PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION.

- T-4: PAYMENT SHALL BE MADE ON A SIGN-DAY BASIS ONLY FOR TRAFFIC CONTROL DEVICES THAT ARE PROPERLY INSTALLED AND IN GOOD WORKING ORDER, COSTS FOR DELIVERY, INSTALLATION, RELOCATION, MAINTENANCE REMOVAL AND REPLACEMENT, AS NEEDED AT THE DISCRETION OF THE ENGINEER, INCLUDED IN UNIT PRICE BID.
- T-5: IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY, ONLY TYPE *C* WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
- T-6: NOT USED
- T-7: PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN,

ROADWAY PAY ITEM NOTES

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 PUBLIC IMPROVEMENTS

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: wallace design 09/21/2023 123 n. martin luther king in bisc

| | | ехр: 6-30 | -25 | \ | collectiv | e | 918.584.5858 · walkace.desl | | | |
|--|----------|-----------|------|---------------|-------------|-------|-----------------------------|--|--|--|
| | REVISION | BY | DATE | PLAN SCALE: | ORAWN | MDE | 9/19/23 | APPROVED: | | |
| | | | | 1*≐20′ | DESIGNED | JR | 9/19/23 | | | |
| | | | | | SURVEY | RKS | 3/26/21 | | | |
| | | | | | PROJ MGR. | RF | 9/23 | | | |
| | | | | HORIZONTAL: | LEAD MGR. | | 1. | | | |
| | | | | 1*=20* | FIELD MGR. | 25m | 1/23 | —————————————————————————————————————— | | |
| | | | | VERTICAL: | RECOMMENDE | | | CITYLENGWEER | | |
| | | | | 1'=5' | DESIGN MANA | GER Y | 223 | CITIZENGREEN | | |
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GENERAL CONSTRUCTION NOTES (REV 9/12/2016)

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH
- PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS:

PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP)
OKLAHOMA NATURAL GAS (ONG) 918-599-2217 918-588-7000 EXT.676 918-628-3635 COX COMMUNICATIONS WELLSCO VALLOR TELECOM CITY OF TULSA-TRAFFIC OPERATIONS 918-596-9766

- THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SCONER THAN TEN DAYS NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK, PHONE 1-800-522-6543.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
- THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
- THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTA
- CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA FIELD ENGINEERING, 918-596-9404, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 825 REMOVAL OF TRAFFIC ITEMS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND MILLING AND OVERLAY
- LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
- ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
- ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
- ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
 - ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER, ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK, TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
- WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY
- ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
- IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-7814 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK
- THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION, ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER. 22.
- NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.
- 24. PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.
- 25. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
- MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY
- 27 ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS, DOWELED-ON CURBS WILL NOT BE ALLOWED.
- 28 NO LIETING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOYES.
- CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS. 29.
- REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTMID 4956-01 TYPE IX RETROREFLECTIVE SHEETING. 30. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTIM D 4956-01 TYPE III RETROREFLECTIVE
- ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM
- THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF TULSA STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE
- POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR
- ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO MILL OFF ALL THE ASPHALT BEFORE EXCAVATION
- THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.
- STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
- THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
- PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
- ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON JULY 26, 2011 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING THE PROPOSED RECESSIBILITY GOIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT I-Y-AVY, PUBLISHED ON JULY 26, 2011 BY THE U.S. AUCESS BOARD, WHERE SPATIAL UMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK, WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

- ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.
- THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO
- CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL IN THE FLOODPLAIN.
- ITEMS USTED OR SHOWN ON DRAWINGS AND/OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER TIMES. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

ROADWAY GENERAL CONSTRUCTION NOTES

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 **PUBLIC IMPROVEMENTS**

CITY OF TULSA, OKLAHOMA

ENGINEERING SERVICES DEPARTMENT PLANS AND ESTIMATES PREPARED BY: wallace design

123 n. martin luther king jr. bivd. tulsa, oklahoma 74103 collective 918.584.5858 - walkace.design PLAN SCALE REVISION BY DATE DRAWN MDE 9/19/23 DESIGNED JR 9/19/23 1 =20 SURVEY RKS 3/26/21 PROFILE SCALE: PROJ MGR. RF 9123 ORIZONTAL: LEAD MGR. 1'=20' FIELD MGR LEVE 10/25 ERTICAL: DESIGN MANAGER 1"=5"

ATLAS PAGE NO.: 218, 219

CITYENGINEER DATE: 9/19/23

SHEET 4 OF 17 SHEET

| | | SUMMARY OF SANITARY SEWER QUANTIT | TIES BASE BID (REV 09/24/ | 2018) | | |
|-----|------------|--|-------------------------------|-------|-------------------|------------------------|
| ПЕМ | SPEC. NO. | DESCRIPTION | PAY FREM NOTES | UNIT | QUANTITY FOTAL | N PEORIA AVE SHT 18 |
| 44 | COT202(A) | UNCLASSIFIED EXCAVATION | E-3, 4, 5, R-1 | CY | 80 | 80.1 |
| 45 | COT 238(A) | SOLID SLAB SODDING | SS-16 | SY | 11 | 11.0 |
| 9.5 | GOT 301 | RIGHT OF WAY CLEARING AND RESTORING, COMPLETE IN PLACE | SS-1, 4, 5, 7, 16, 17, 23, 24 | LF LF | 20 | 20.0 |
| 44 | COT 302 | EXCAVATION AND BACKFILL, UNCLASSIFIED | SS-2, 6, 24 | GY | 93 | 93.3 |
| 48 | COT 303(A) | AGGREGATE BASE TYPE A | E-5, S-1, 2 | CY | 141 | 141.3 |
| 49 | COT 334 | CONSTRUCTION AS-BUILTS, WAS TEWATER | | EA | 1 | 1.0 |
| 50 | COT 335 | CONTRACTOR'S QUALITY CONTROL, WASTEWATER | | EA | 1 | 1.0 |
| 51 | COT 307 | 8 INCH DIP | SS-15 | LF | 87 | 87.0 |
| 57 | COT 309 | 8 INCH PVC, SDR-26 | SS-15 | LF | 6 | 8.1 |
| 53. | COT 310(B) | SUBGRADE METHOD B | E-5 | SY | 144 | 143.9 |
| 34 | COT 314(A) | 4' DIA MANHOLE | SS-13 | EA | 2 | 2.0 |
| 55 | COT 314(B) | 4" DIA MANHOLE (ADD'L DEP'TH) | SS-13 | VF | 4 | 4.0 |
| 56 | COT 316 | LAMPHOLE | - | EA | 1 | 1.0 |
| 57 | COT 325 | SEPARATOR FABRIC | E-5, \$-3 | SY | 197 | 187.0 |
| 53 | COT 415 | PRE-CONSTRUCTION TELEVISION INSPECTION | 58-3, 14 | LF | 300 | 3110.0 |
| 59 | COT 423 | OBSTRUCTION REMOVAL | SS-17 | EA | 1 | 1.0 |
| 60 | COT 855(A) | TRAFFIC STRIPE, 4" PLASTIC | 1-3 | LF | 120 | 120.0 |
| 41 | COT 880(B) | SIGNS 0.00 TO 6.25 SF | \$5-18, 19, 21, T-4, 5 | \$D | 120 | 120.0 |
| ¥2. | COT 880(B) | SIONS 6.25 TO 15.99 SF | SS-18, 19, 21, T-4, 5 | SD | 120 | 120.0 |
| 63 | COT.880{C} | BARRICADES (TYPE III) | SS-18, 19, 21, T-2, 4, 5 | SD | 240 | 240.0 |
| 64 | COT 880(E) | TYPE "A" WARNING LIGHT | SS-18, 19, 22, T-5 | 50 | 240 | 240.0 |
| کھا | COT 880(E) | TYPE "C" WARNING LIGHT | SS-18, 19, 22, T-5 | gg | 450 | 480.0 |
| ĠŲ | COT 880(F) | DRUMS | SS-18, 19, 21, T-Z, 4, 5 | SO | 120 | 120.0 |
| 64 | COT880(G) | TUBE CHANNELIZERS | SS-18, 19, 21, T-4, 5 | SD | 292 | 292.0 |
| 64 | SPECIAL. | TYPE I PCC PATCH | S-21, G-1 | CY | 48 | 48.0 |

QUANTITIES SHOWN ARE FOR BIDDERS' INFORMATION. THEY DO NOT RELIEVE THE CONTRACTOR OF VERIFYING AND PROVIDING ALL ITEMS AS SHOWN ON THE PLANS AND SPECIFICATIONS.

WASTEWATER PAY ITEM NOTES (REVISED 01/24/2020)

- SS-1. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AN EROSION CONTROL PLAN BASED ON CONSTRUCTION SEQUENCING. COST TO INCLUDE SILT REMOVAL AND ANY RE-GRADING NECESSARY DUE TO EROSION.
- PRICE TO INCLUDE ANY AND ALL ROCK EXCAVATION. NO BLASTING WILL BE ALLOWED. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION.
- VIDEO PRE-INSPECTION QUANTITY CALCULATED BASED ON EXISTING MANHOLE LOCATIONS. CONTRACTOR SHALL USE VIDEO TO CONFIRM LOCATIONS AND DETERMINE POSITIONS OF SERVICE CONNECTIONS. ANY CLEANING REQUIRED, INCLUDING HEAVY CLEANING, SHALL BE INCLUDED IN UNIT PRICE BID FOR VIDEOTAPE INSPECTION. NO ADDITIONAL PAYMENT SHALL BE MADE.
- FOR THE WORK BID UNDER "OPEN CUT", SURFACE RESTORATION ITEMS SHALL BE PAID FOR IN ACCORDANCE WITH SPECIFICATION SECTION 402.17 ONLY WHEN THE OPEN CUT METHOD OF REPLACEMENT IS USED. PAVEMENT REMOVAL AND REPLACEMENT SHALL BE PAID FOR IN SQUARE YARDS. THE PAY QUANITY SHALL BE COMPUTED AS THE LENGTH ALONG THE CENTERLINE OF PIPE BEING REPLACED BY THE STANDARD TRENCH WIDTH (SEE CITY OF TULSA STANDARD DETAILS 315 FOR TRENCH WIDTH).
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE BYPASS PUMPING IF NECESSARY. THE PUMP AND BYPASS LINES SHALL BE OF ADEQUATE CAPACITY AND SIZE TO HANDLE THE ANTICIPATED WET WEATHER FLOW. THE COST OF THE BYPASS INCLUDING THE PUMPS, LINES, LABOR AND OTHER MISCELLANEOUS ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR DUCTILE IRON PIPE. NO ADDITIONAL PAYMENT WILL BE MADE
- ALL TRENCHES EXCAVATED ACROSS ANY ROADWAY, SIDEWALKS, DRIVEWAYS, PARKING LOTS, ALLEYWAYS OR OTHER PAVED AREAS, SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH THE CITY OF TULSA STANDARD DETAIL #713. BACKFILL IN STREET RIGHT-OF-WAY AND IN FRONT YARDS SHALL BE COMPACTED TO 95% PROCTOR DENSITY, PRICE OF AGGREGATE BASE IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PVC PIPE. NO ADDITIONAL PAYMENT WILL BE MADE
- SS-7. RESTORATION WILL NOT BE PAID FOR TRENCHLESS CONSTRUCTION METHODS. RESTORATION WILL BE PAID FOR OPEN CUT
- SS-8. NOT USED.

- SS-11. NOT USED.
- SS-13. THE MANHOLE RING, COVER, GROUT, SEALS, WATERTIGHT 80 MILS OF RAVEN 405 EPOXY OR APPROVED EQUAL AND OTHER MATERIALS INCIDENTAL TO THE CONSTRUCTION OF MANHOLES SHALL BE INCLUDED IN THE PHICE BID FOR EACH ASSOCIATED MANHOLE PAY ITEM; NO ADDITIONAL PAYMENT SHALL BE MADE. 4° I.D. MANHOLES SHALL NOT BE EPOXY COATED AND HAVE SEEDS.

 LD. MANHOLES SHALL BE EPOXY COATED AND SHALL NOT HAVE STEPS.
- SS-14. IF ANY BRICK SANITARY MANHOLES/STRUCTURES ASSOCIATED WITH THE IDENTIFIED SEWER LINES ARE FOUND, THE CITY SHALL BE NOTIFIED BEFORE WORK COMMENCES FOR AN EVALUATION OF REHABILITATION. REHABILITATION OF ANY BRICK SANITARY MANHOLES/STRUCTURES SHALL BE BY COMPLETED MANHOLE/STRUCTURE REPLACEMENT OR BY METHODS DESCRIBED IN
- SS-15. WATER TABLE CRADLE SHALL BE INSTALLED WHERE TRENCH CONDITIONS WARRANT ITS USE AS DIRECTED BY THE ENGINEER. THE COST OF THE WATER TABLE CRADLE SHALL BE INCIDENTAL TO SANITARY SEWER PIPE INSTALLATION. NO SEPARATE PAYMENT WILL
- SS-16. GRASSED AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY SODDING, HYDROMULCH SEEDING WILL BE ALLOWED IN UNDEVELOPED LOTS. MAXIMUM PAY LIMIT FOR SODDING AND SEEDING SHALL BE STANDARD TRENCH WIDTH PLUS 2 FEET ON EACH SIDE OF TRENCH.
- SS-17. IF REQUIRED, PAYMENT FOR OBSTRUCTION REMOVAL SHALL BE UTILIZED TO REMOVE CONCRETE ENCASED OR DUCTILE IRON PIPE SEGMENTS DURING TRENCHLESS REPLACEMENT AND SHALL BE APPROVED BY ENGINEER, THIS PAY ITEM SHALL NOT BE PAID WHEN THE INSERTION I REMOVAL PIT IS LOCATED AT THE POINT OF OBSTRUCTION REMOVAL.
- SS-18. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE GENERAL NOTES. TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
- SS-19. THE UNIT PRICE BID FOR TRAFFIC CONTROL DEVICES SHALL INCLUDE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES REQUIRED FOR COMPLETION OF THIS PROJECT.
- SS-21. REFLECTORIZEO SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALLMEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE ILL RETROREFLECTIVE SHEETING.
- SS-22. IF WARNING LIGHTS TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
- SS-23. ALL ABANDONED SEWER LINES LEFT IN PLACE SHALL BE FILLED WITH CELLULAR CONCRETE FOR THE ENTIRE LENGTH OF THE EXISTING PIPE. NO ADDITIONAL PAYMENT SHALL BE MADE.
- SS-24. COORDINATE DEMOLITION, EXCAVATION, BACKFILL, AND PAVEMENT REPLACEMENT WITH STREET PROJECT. BACKFILL TO FINISH GRADE WITH TYPE "A" AGGREGATE BASE, SURFACING BY OTHERS.

WASTEWATER PAY QUANTITIES & NOTES

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1

tulsa oklahoma 74103

PUBLIC IMPROVEMENTS CITY OF TULSA, OKLAHOMA

ENGINEERING SERVICES DEPARTMENT PLANS AND ESTIMATES PREPARED BY: wallace design collective 09/21/2023 123 n. martin luther king ir blyc

DRAWN MDE 9/19/23 DESIGNED 1'=20' PROFILE SCALE PROJ MGR. 2F 9/43 IORIZONTAL: 12/ 195105 LEAD MGR. 1*=20" FIFLD MG9 FRTICAL. 1"=5"

DATE: 9/19/23 SHEET 5 OF 19 S

FILE: DRAWING ATLAS PAGE NO.: 218, 219

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS FOR WATER AND WASTEWATER, CITY OF TULSA ENGINEERING SERVICES DEPARTMENT.
- UTILITIES SHOWN HEREIN ARE INTENDED FOR INFORMATION PURPOSES ONLY AND ARE NOT TO BE CONSTRUED AS THE EXTENT OR EXACT LOCATION AND DEPTH OF UTILITIES THAT MAY BE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY THE PRESENCE, TYPE, SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE PROJECT AREA PRIOR TO
- CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO EARLIER THAN TEN (10) DAYS, NOR LATER THAN 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, PRIOR TO COMMENCEMENT OF WORK. PHONE NUMBER IS 1-800-522-6543.
- GEOTECHNICAL REPORT AVAILABLE FOR REVIEW AT THE OFFICE OF WALLACE DESIGN COLLECTIVE, NEITHER THE CITY OF TULSA OR WALLACE DESIGN COLLECTIVE GUARANTEES THE ACCURACY OF THE SOIL CONDITIONS
- ALL EXCAVATED MATERIALS NOT REQUIRED IN OTHER AREAS OF THE PROJECT, INCLUDING PAVEMENT DEBRIS MATERIAL, SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCAPETABLE TO THE ENGINEER WITHOUT COST TO THE CITY OF TULEA. THE CONTRACTOR SHALL BE REQUIRES TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF THE CITY OF TULSA.
- ANY DAMAGE TO THE ROADWAY PAVEMENT CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE ENGINEERS SATIFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE
- FOR OPEN ROAD CUT, CONTRACTOR IS TO MAINTAIN ONE-WAY TRAFFIC. CONTRACTOR SHALL PRESENT A TRAFFIC CONTROL PLAN TO THE CITY OF TULSA ENGINEERING DIVISION. CONTACT MARK BROWN AT (918) 596-9753. (I'M NOT SURE IF THIS IS CORRECT OR NOT)
- CONSTRUCTION TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRICTION HOPFIC CONTRICTS STATE OF MACCONDRICE WHITH THE MARKUAL ON UNIFORM HAPFIC CONTRICT DEVICES (MULCU). IT CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL PLACE TRAFFIC CONTROL, FLAGMEN, BARRICADES AND SEVICES WITHIN THE THE CONSTRUCTION AS REQUIRED. MAINTENANCE AND LIGHT CHECKS SHALL BE DONE WEEKLY AND INVOICE FURNISHED TO INSPECTOR AND SIGNED BY THE SUPERINTENDENT. ALL TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE TRAFFIC ENGINEER OF THE CITY OF TULSA
- LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THR PROJECT AT ALL TIMES. ALL PUBLIC STREETS SHALL BE ACCESIBLE FOR TRAFFIC FROM ANY DETOUR DURING CONSTRUCTION OF THIS PROJECT.
- 10. CONTRACTOR SHALL VACUUM TEST ALL MANHOLES ACCORDING TO THE CITY OF TULSA. ENGINEERING SERVICES DEPARTMENT STANDARDS AND SPECIFICATIONS.

WASTEWATER GENERAL CONSTRUCTION NOTES (REVISED 02/07/2020)

- THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SAFETY PLAN TO THE CITY OF TULSA FIELD ENGINEERING DEPARTMENT PRIOR TO COMMENCEMENT OF WORK. THE SAFETY PLAN SHALL ADDRESS, BUT NOT BE LIMITED TO ISSUES SUCH AS TRAFFIC CONTROL, WORKSITE SAFETY, VENTILATION, WORK EQUIPMENT, FIRST AID, HYGIENE AND OTHER RELATED TOPICS. THE CONTRACTOR SHALL BE EXPECTED TO DEFRORM THE WORK IN A MANNER THAT BEST PROTECTS THE SAFETY OF WORKERS, INSPECTORS, BYSTANDERS, AND OTHERS WHO MAY BE IN THE VICINITY OF THE PROJECT, FAILURE TO PERFORM THE WORK AND MAINTAIN THE SITE IN A SAFE MANNER, IN THE OPINION OF THE ENGINEER OR OWNER, SHALL BE SUFFICIENT CAUSE TO STOP ALL WORK UNTIL SAFETY PROBLEMS ARE CORRECTED.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE CITY OF THIS A ENGINEERING SERVICES STANDARDS AND SPECIFICATIONS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS OF THIS CON
- THE CONTRACTOR SHALL HAVE ONE (1) EXECUTED COPY OF THE CONTRACT DOCUMENTS AT THE JOB SITE AT ALL TIMES
- THE CONTRACTOR SHALL, IN COOPERATION WITH THE CITY, DEVELOP AND SUBMIT FOR APPROVAL A TRAFFIC CONTROL PLAN (TCP), TO THE CITY OF TULSA ENGINEERING SERVICE, FIELD ENGINEERING, THIS TOP SHALL DETAIL SUCH MEASURES AS MAY BE REQUIRED TO ESTABLISH, INSTALL, MAINTAIN AND OPERATE A COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROL SYSTEM DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL PLACE TRAFFIC CONTROL FLAGMEN, BARRICADES, SIGNS, SIGNALS OR OTHER DEVICES AS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION, PERMITTING, AND EXECUTION OF STORMWATER POLLUTION PREVENTION PLAN (SWP3). THE CONTRACTOR SHALL PROVIDE ALL DOCUMENTATION REQUIRED ON THE SWP3 FOR REVIEW AND APPROVAL OF THE PLAN BY FEDERAL, STATE AND LOCAL AUTHORITIES. THIS INCLUDES, BUT IS NOT LIMITED TO, THE NOTICE OF INTENT
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ORANGE SAFETY FENCING AROUND ALL EXCAVATION, INCLUDING TRENCHES, PITS, VAULTS, ETC. TO MAINTAIN SECURITY AND SAFETY FOR ANIMALS, CHILDREN OR ANY BYSTANDER. THE COST OF ORANGE SAFETY FENCING SHALL BE INCLUDED IN OTHER PAY ITEMS
- PRIOR TO EXCAVATING, THE CONTRACTOR IS RESPONSIBLE FOR BRACING OR SUPPORTING ANY POWER POLE OR GLY WIRE WITHIN 5 FEET OF EXCAVATION TO THE SATISFACTION OF THE OWNER AND THE UTILITY COMPANY, AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXCAVATED MATERIAL REMOVED DURING TRENCHING OR EXCAVATION SHALL BE DISPOSED OF AT A SITE APPROVED BY THE OWNER ALL EACHWHIED MATERIAL REMOVED BOTHING THE CONTRACTOR SHALL SUBMIT THE PROPOSED DISPOSED SITE TO THE ENGINEER FOR HIS PRIOR TO TRENCHING AND EXCAVATION, THE CONTRACTOR SHALL SUBMIT THE PROPOSED DISPOSAL SITE TO THE ENGINEER FOR HIS REVIEW. STOCKPILING EXCAVATED MATERIALS IN STREET OR ALLEY RIGHT-OF-WAY MAY BE ALLOWED UPON APPROVAL BY THE ENGINEER. MAINTENANCE OF STOCKPILE SITE IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST MAINTAIN STOCKPILE SITES IN A SAFE, POLLUTION FREE CONDITION THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL OR STORE ANY EQUIPMENT OVERNIGHT IN THE TULSA REGULATORY FLOOD PLAIN.
- BACKFILL UNDER ALL PAVED SURFACES SHALL BE TYPE 'A'AGGREGATE BASE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED BY A VIBRATORY HAND TAMPER TO 95% OF THE STANDARD PROCTOR DENSITY, AS MEASURED BY THE NUCLEAR DENSITY METHOD.
- 10. THE CONTRACTOR SHALL PROVIDE A DETAILED ACCESS PLAN FOR THE CONSTRUCTION OF THE PROJECT, THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS, CONSTRUCTION ACTIVITIES AND PERMITS THAT MAY BE NEEDED FOR THE IMPLEMENTATION OF THIS PLAN
- THE CONTRACTOR MUST NOTIFY THE HOMEOWNER A MINIMUM OF 48 HOURS (SPECIFICATION 400) PRIOR TO BEGINNING ANY REHAB WORK
- 12. IN ALL AREAS WHERE EXCAVATION WILL OCCUR, CONTRACTOR SHALL VIDEOTAPE ALL CONCRETE PAVEMENT, BUILDINGS, FOUNDATIONS. LANDSCAPING, LAWNS AND TREES PRIOR TO CONSTRUCTION, AT NO ADDITIONAL COST TO THE CITY OF TULSA OR THE HOMEOWN
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ANY EXISTING STORAGE SHEDS, LOCATED WITHIN THE CONSTRUCTION AREA, THAT ARE DAMAGED DURING CONSTRUCTION, AT NO ADDITIONAL COST TO THE CITY OF TULSA OR THE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE LOCATION OF ALL EXISTING SANITARY SEWER SERVICE LATERALS IN THE PROJECT AREA. IF ENCOUNTERED OR DAMAGED DURING CONSTRUCTION, EXISTING SERVICE LATERALS SHALL BE REMOVED AND REPLACED USING PIPE OF THE SAME SIZE AND MATERIAL AS THE EXISTING SEWER.
- ALL DAMAGED PAVEMENT OUTSIDE OF THE TRENCH PAY LINE SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE
- ALL PAVEMENT REMOVAL SHALL BE SAW CUT AT THE NEAT LINES AS INDICATED IN THE SPECIFICATIONS AND SYANDARD DETAILS, SAW CUTS REQUIRED FOR REMOVAL AND REPLACEMENT ITEMS SHALL BE FULL DEPTH OF THE EXISTING PAVEMENT, SAW CUTS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO OTHER WORK.
- ALL CONCRETE PAVEMENTS, FLEXIBLE PAVEMENTS, CURB AND GUTTER, AND UNPAVED SURFACES SHALL BE FINISHED TO MATCH
- CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING, NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
- 19. CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED DURING THE COURSE OF CONSTRUCTION, PAYMENT SHALL BE INCLUDED IN RIGHT-OF-WAY CLEARING AND RESTORING, NO ADDITIONAL PAYMENT SHALL BE MADE.
- ALL SANITARY SEWER AND STORM SEWER MANHOLE CASTING AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW ONES. THE OLD CASTINGS AND LIDS SHALL BE DELIVERED TO THE SEWER BASE AT 9319 EAST 42ND STREET AND PLACED IN THE METAL RECYCLE BIN IN THE STOCKROOM AREA (918.689.6130) BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH ERIDAY
- 21. NO FILL, SPOIL, BEODING MATERIAL OR EQUIPMENT MAY BE STORED OVERNIGHT WITHIN THE FLOOD PLAIN LIMITS.
- 22. ALL SANITARY SEWER MANHOLES LOCATED IN THE FLOODPLAIN SHALL HAVE SOLTED SEALED GOVERS. LOCK DOW LEDS

MANHOLE REHABILITATION NOTES

- ALL MANHOLES, PIPE SIZES AND LENGTHS, DEFECTS, SURFACE TYPES AND THEIR LOCATIONS SHOWN ON THE PLANS ARE ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL INFORMATION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING THE WORK.
- REPLACEMENT MANHOLES SHALL HAVE FLOW LINE AND RIM ELEVATIONS SET TO MATCH THOSE OF EXISTING MANHOLES UNLESS OTHERWISE NOTED BY THE ENGINEER. FRAMES AND COVERS SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATION REQUIREMENTS
- CONTRACTOR SHALL ENSURE THAT ALL MANHOLE FRAME AND COVER CASTINGS HAVE MACHINED SEATING SURFACES WITH A TIGHT FIT AND COMPLY WITH THE OTHER PROVISIONS OF THE MATERIALS SPECIFICATIONS.
- ACTIVE LEAKING JOINTS OR OTHER DEFECTS OBSERVED BY THE CONTRACTOR, BUT NOT SCHEDULED FOR REHABILITATION, SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY UPON DETECTION.
- IN AREAS OF MANHOLE REPAIRS, CONTRACTOR SHALL PLACE SPOILS ON PLASTIC SHEETS, PLYWOOD OR OTHER SUITABLE GROUND PROTECTION.
- THE MANHOLE DEPTHS SHOWN ON THE PLANS ARE FROM SURVEY. HOWEVER, ACCURATE FIELD MEASUREMENTS SHALL BE UTILIZED FOR ANY MANHOLE REPLACEMENT OR REHABILITATION.
- 7. AT THE TIME OF MANHOLE REHABILITATION, MANHOLE STEPS SHALL BE EVALUATED AND ALL OR NONE SHALL BE REPLACED
- CONTRACTOR SHALL BE REQUIRED TO VACUUM TEST ALL NEW MANHOLE INSTALLATIONS AND EXISTING MANHOLES WHERE COMPLETE REHABILITATION IS PERFORMED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF TULSA ENGINEERING SERVICES DEPARTMENT STANDARDS AND SPECIFICATIONS.
- ALL NEW MANHOLE FRAMES AND COVERS INSTALLED ON THIS PROJECT SHALL HAVE A MINIMUM CLEAR OPENING OF 30-INCHES REGARDLESS OF MANHOLE SIZE. NEW MANHOLE FRAMES AND COVERS INSTALLED ON EXISTING MANHOLES MAY HAVE CLEAR OPENINGS OF LESS THAN 30-INCHES WITH ENGINEER'S APPROVAL.

PIPELINE REHABILITATION NOTES

- CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
- POST REHABILITATION TELEVISION INSPECTION OF ALL REPAIR WORK SHALL BE PERFORMED BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE COST OF OTHER PAY ITEMS.
- POINT REPAIR LOCATIONS ARE APPROXIMATE AND SHALL BE DETERMINED BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE COST
- QUANTITIES SHOWN IN THE SUMMARY TABLE ARE AN ESTIMATE FOR WORK SHOWN AND DO NOT REFLECT FINAL WORK, ITEM QUANTITIES NECESSARY TO REHABILITATE PIPELINE SEGMENTS.
- POINT REPAIR(S) OUTSIDE OF STREET RIGHT-OF-WAY SHALL BE PERFORMED USING LIKE PIPE ACCORDING TO THE CITY OF TULSA CONSTRUCTION SPECIFICATIONS SECTION 412.22 (IE EXISTING YOY WILL BE REPAIRED USING VOY, EXISTING POY WILL BE REPAIRED USING VOY, AND EXISTING DIP WILL BE REPAIRED USING VOY, IF A POINT REPAIR IS LOCKED WITHIN A STREET RIGHT-OF-MAY, THE REPAIR SHALL BE DONE USING PVC, SDR 26, SLIP LINING, OR CUREO-IN-PLACE PIPE, UNLESS OTHERWISE NOTED ON THE PLANS, IF AN OBSTRUCTION IS ENCOUNTERED DURING CLEANING AND TELEVISION INSPECTION PRIOR TO OR DURING THE INSERTION OF THE N THROUGH THE HOST PIPE, THE CONTRACTOR SHALL USE PVC TO REPAIR THE HOST PIPE AT THE LOCATION OF THE OBSTRUCTION. IN ALL CASES, CONCRETE PIPE SHALL BE REPLACED WITH PVC, SDR 28.
- 6. PIPELINE REHABILITATION PLANS ARE FOR REFERENCE ONLY AND DO NOT DEPICT ALL OF THE EXISTING UTILITIES.
- ALL PIPELINE SEGMENTS THAT REQUIRE COMPLETE REPLACEMENT AND ARE LOCATED WITHIN THE STREET RIGHT-OF-WAY MAY ONLY BE
- PIPE EMBEDMENT WILL BE AS SHOWN IN THE STANDARD DETAIL EXCEPT WHERE SPECIFICALLY NOTED ON THE PLANS.
- CONTRACTOR SHALL SUBMIT A PROFESSIONAL ENGINEERED TRENCH EXCAVATION SAFETY PLAN FOR ALL EXCAVATIONS IN EXCESS OF 20
- WHERE THERE IS A DISCREPANCY BETWEEN THE PIPELINE LENGTHS TAKEN FROM ACTUAL FIELD MEASUREMENTS AND THOSE SHOWN ON
- CONTRACTOR SHALL SUPPLY WITH HIS MONTHLY PAY REQUEST, A LIST SHOWING ALL SEWER LINES REPAIRED, THE ADDRESS OF ANY SERVICE LINES THAT ARE RECONNECTED AND THE FOOTAGE OF THE RECONNECTION FROM THE NEAREST DOWNSTREAM MANHOLE
- THE TERM "PIPE BURSTING" THAT IS USED THROUGHOUT THE CONSTRUCTION DRAWINGS IS INTENDED TO INCLUDE OTHER SIMILAR TRENCHLESS PIPE REPLACEMENT METHODS, SUCH AS PIPE REAMING AND PIPE CRUSHING. IT DOES NOT INCLUDE SLIP LINING OR
- 13. CONTRACTOR MUST EXERCISE DILIGENCE WHEN WORKING AROUND TREES, HOWEVER, IF DAMAGE OCCURS TO TREES LOCATED WITHIN AN EASEMENT CONTRACTOR SHALL NOT BE RESPONSIBLE.

TRAFFIC CONTROL

- ALL TRAFFIC CONTROL DEVICES, CONSTRUCTION SIGNAGE, BARRICADING, ETC. SHALL BE IN ACCORDANCE WITH THE LATEST REVISED. EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CONTRACTOR SHALL PREPARE AND SUBMIT FOR APP
- THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTIFICATION FOR ANY AND ALL STREET/LANE CLOSURES, MODIFICATION OR CHANGES TO THE CONTROL MEASURES TO:

POLICE 918 596 9222 918 596 997 COT TRAFFIC

- THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS 48 HOURS PRIOR TO STARTING WORK OR PRIOR TO REMOVING OR RELOCATING ANY TRAFFIC SIGNS. ALL SIGNS SHALL BE HANDLED SO AS TO AVOID ANY DAMAGE TO THE SIGN OR POST. ALL SIGNS REMOVED DUE TO
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL CONSTRUCTION SIGNAGE AND BARRICADING, INCLUDING, BUT NOT LIMITED TO, WASHING, REPLACEMENT, REPOSITIONING OF DEVICES. WHEN AND WHERE IT IS DEEMED NECESSARY BY THE CITY OR THE ENGINEER, THE CONTRACTOR SHALL FURNISH AND INSTALL ANY ADDITIONAL TRAFFIC CONTROL DEVICES.
- LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AREA AT ALL TIMES, EXCEPT AS NOTED ON PLANS, LOCAL TRAFFIC TO ALL PUBLIC AND PRIVATE STREETS SHALL BE ACCESSIBLE FROM ANY DETOURS DURING THE CONSTRUCTION OF THE
- ROADSIDE HAZARDS SHALL BE COMPLETELY BARRICADED AROUND THEIR PERIMETER FOR SAFETY OF PEDESTRIANS AND VEHICLES. NO BARRICADES SHALL BE PLACED UNTIL, ALL, ADVANCED SIGNING IS IN PLACE.
- ALL CHANNELING DEVICES, TYPE III BARRICADES, ETC. SHALL BE WEIGHTED DOWN WITH NON-HAZARDOUS MATERIAL WHEN NECESSARY
- ALL ADVANCE WARNING SIGNS SHALL BE PROVIDED WITH TYPE 'A' WARNING LIGHTS.
- 9. ALL TYPE III BARRICADES SHALL BE FURNISHED WITH A MINIMUM OF TWO (2) TYPE 'A' WARNING LIGHTS.
- 10. ALL CHANNELING DEVICES SHALL BE PROVIDED WITH TYPE 'C' WARNING LIGHTS

UTILITIES

- THE LOCATION OF UTILITY LINES, AS SHOWN ON THESE DRAWINGS, ARE BASED ON ATLAS INFORMATION, UTILITY COMPANY COMMENTS, AND OBSERVED FATURES. NEITHER THE CITY NOR THE ENGINEER ASSUMES OR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF THIS DATA. SERVICE LINES FROM THE MAIN UTILITY LINES TO ANY BUILDING OR FACILITY MAY NOT BE SHOWN. CONTRACTOR SHALL OBTAIN THE LOCATION OF THESE FROM THE UTILITY COMPANY AND SHALL BE HELD RESPONSIBLE FOR ANY DAMAGES TO THESE LINES OR ANY OTHER LINES OR UTILITIES DURING THE CONSTRUCTION OF THE PROJECT.
- THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OXLAHOMA ONE-CALL SYSTEM, INC. A MINIMUM OF TWO (2) WORKING DAYS AND A MAXIMUM OF TEN (10) WORKING DAYS PRIOR TO BEGINNING WORK IN ANY AREA, ONE-CALL PHONE: 1.800.522.654
- CONTRACTOR SHALL BRACE UTILITY POLES AND GUY WIRES WITHIN 5 FEET OF ANY EXCAVATION, CONTRACTOR SHALL CONTACT PUBLIC SERVICE COMPANY OF OKLAHOMA (PSO) A MINIMUM OF THREE (3) WEEKS PRIOR TO BRACING AND/OR RELOCATING ANY UTILITY POLES.

WASTEWATER CONSTRUCTION NOTES

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 PUBLIC IMPROVEMENTS

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY | Wallace design collective

123 n. martin luther king jr. blvd. tulsa, oklahoma 74103

918.584.5858 walloce.design REVISION LAN SCALE: MDE 9/19/23 DESIGNED JR 9/19/23 1"=20" RKS 3/26/21 SURVEY PROFILE SCALE: PROJ MGR. RF 9/23 ORIZONTAL: 12 10/23 Terre 10/23 LEAD MGR. 1 20 FIELD MGR. CITYENGINEER VERTICAL: DESIGN MANAGER 1 =5

ATLAS PAGE NO.: 218, 219

DATE: 9/19/23

SHEET 6 OF 19 SHEETS

| | SUMMARY OF EARTHWORK QUANTIT | IES |
|--------|------------------------------|-------------------------|
| SHTNO | STATION TO STATION | UNCLASSIFIED EXCAVATION |
| | | 202(A) |
| | | CY |
| N PEOI | RIA AVE | |
| 12 | 1000+00 TO 1004+25 | 32 |
| E 36TH | I STREET N | |
| 12 | 2000+00 TO 2004+50 | 64 |
| | TOTAL | 96 |

| | SUMMAR | RY OF REMOV | AL QUANT | TIES | | |
|----------|--------------------|--------------------------------|--------------------------------|----------------------------------|-----------------------------------|---------------------------|
| SHTNO | STATION TO STATION | REMOVAL OF CONC SIDEWALK | REMOVAL OF CONC DRIVEWAY | REMOVALOF ASPHALT PAVEMENT | REMOVAL OF ASPHALT PAVEMENT | REMOVAL OF GURB/GUTTER |
| | | 619(B) | 619(B) | 619(B) | 619(B) | 619(B) |
| | | SY | 8Y | 5Y | SY | LF |
| N PEORIA | AVE | - | | | | L |
| 12 | 1000+00 TO 1004+25 | 21.6 | 26,0 | 146,9 | | 68.2 |
| E 38TH S | TREET N | | • | | | |
| 12 | 2000+00 TO 2004+50 | 33.0 | 25.0 | | 59.3 | I |
| WASTEN | ATER | ' | | · | | |
| 16 | 2+00 TO 2+84 | | Ī | | | |
| | TOTAL | 54.6 | 62.0 | 148,D | 58.3 | 86,2 |

| | SUMMARY OF EROSION CONT | ROL QUANTITIES | | |
|--------|-------------------------|-------------------------|----------------|------------------------|
| SHTNO | STATION TO STATION | TEMPORARY SILT FENCE | TEMPORARY SILT | TEMPORARY FIBER LOG |
| | | 221(C) | 221(F) | 221(K) |
| | | LF | LF | LF |
| N PEOF | IA AVE | | | |
| 12 | 1000+00 70 1004+25 | 286 | Ĺ, | |
| E 36TH | STREET N | | | |
| 12 | 2000+00 TO 2004+50 | 292 | 60 | 24 |
| | TOTAL | 589 | 80 | 24 |

| | SUMMARY OF DRAIN | IAGE QUANTITIE | 3 | | | | | | | |
|---------|--------------------|---------------------------------|---|--|---|--|--|--|--|--|
| SHTNO | STATION TO STATION | 18" PRECAST CONG END SECTION | INLET, CICI DESIGN 3 WIAMH, COMPLETE IN PLACE | INLET, CICI DESIGN 3, COMPLETE IN PLACE | 18" REINF CONC PIPE, ROUND, COMPLETE IN PLACE | | | | | |
| | | 611(A) | 611(G) | 611(G) | 811(A) | | | | | |
| | 1 | EA | EA | EA | LF | | | | | |
| E36TH S | H STREET N | | | | | | | | | |
| 14 | 2800+00 TO 2004+50 | 1 | 1 | 1 | 67 | | | | | |
| | TOTAL | 1 | 1 | 1 | 67 | | | | | |

| | SUMMA | ARY OF PAVING O | UANTITIES | i | | | - |
|--------|--------------------|---------------------------------------|----------------------|------------------|--------------------------------------|------------------|--------------------------------|
| SHTNO | STATION TO STATION | AGGREGATE BASE, TYPE A | SUBGRADE METHOD B | CLASS C CONCRETE | 2-2" COMB CURB & GTR (6" BARRIER) | 4" CONC SIDEWALK | TYPE 1 PCC PATCH (ARTERIAL) |
| | | 303(A) | 310(B) | 509(D) | 411(C) | B10(EI) | SPEC |
| | <u> </u> | CY | \$Y | CY | LF | SY | CY |
| N PEO | RIA AVE | | | | | | |
| 13 | 1008+00 TO 1004+25 | 21.6 | 26,0 | Г | 33.2 | 142,4 | |
| E 3671 | STREET N | · · · · · · · · · · · · · · · · · · · | | | | | |
| 13 | 2000+00 TO 2004+50 | 33.0 | 28.0 | 1.0 | 318.0 | 203,9 | |
| WAST | EWATER | | | <u> </u> | | · | l |
| 18 | 2+00 TO 2+94 | 11.1 | 33.4 | | | | 146.0 |
| | TOTAL | 85,7 | 85,4 | 1.0 | 351.2 | 346,3 | 146.0 |

| | St | MMARYOF | DRIVEWAY | QUANTI | TES | | |
|-----------|------------|---------------|--------------|------------|-------------------------|--------------------------|-------------------------|
| SHTNO | STATION | APPROX LENGTH | APPROX WIDTH | PROP SLOPE | SIDEWALK CROSS SLOPE | AGGREGATE BASE TYPE A | 6" CONCRETE DRIVEWAY |
| | | <u> </u> | | | | 303(A) | 610(B) |
| | | FT | FT | * | * | CY | SY |
| N PEORL | AAVE | | | | | | |
| 13 | 1003+88,55 | 21.6 | 26,0 | 2.0 | 1.4 | 16,6 | 49.9 |
| E 36 TH S | TREET N | | | | • | | · |
| 13 | 2004+12.68 | 33,0 | 26.0 | 5,9 | 1,6 | 22.6 | 87.7 |
| | | | | | † | | —:··· |
| | TOTAL | $\overline{}$ | | - | | 39.2 | 117.6 |

| | | | SUMMARY OF SIGN | LOCATIONS | | | | | - | | |
|--------|----------------|-----------------------|------------------|---------------|-------|-----------|------------|------------|--|------------------|----|
| SHTNO | LOCATION | DESCRIPTION | ACTION | MUTCD | SIZE | AREA/SIGN | # OF SIGNS | TOTAL AREA | 1 1/2" | POSTS COT 608 | 2" |
| | | | | | IN | SF | EA | SF | LF | 1 3/4" LF | L |
| N PEOF | NA AVE | | | | | | | | | | |
| 13 | 1003+04,36 RT | SCHOOL CROSSING AHEAD | REMOVE & REPLACE | S1-1 & W16-9p | 36X36 | 9.00 | 1 | 9.00 | | 10.5 | 3 |
| E36TH | STREET N | | | | | | | | L | | |
| 13 | 2000+99,32 RT | RIGHT LANE ENDS | REMOVE & REPLACE | W4-2 | 36X36 | 9.00 | 1 | 9,00 | - | 10.5 | 3 |
| 13 | 2002+42, 28 RT | SPEED LIMIT 45 | REMOVE & REPLACE | W2-1 | 24X30 | 5.00 | 1 | 5.00 | - | 10,5 | 3 |
| | | | ••• | | | | Ì | - | l | | |
| • | | TOTAL | | | | | 3 | 23 | | 31.5 | 9 |

| | SUMMAR | YOF TRAFFIC | CONTROL | QUANTITIES | | | | |
|--------|--------------------|---------------------------------------|---|-------------------------|----------------------------|---------------------------|--------|------------------|
| SHTNO | STATION TO STATION | CONSTRUCTION SIGNS 0 TO 6.25 SF | CONSTRUCTION SIGNS 6.25 TO 15,99 SF | BARRICADES (TYP III) | WARNING LIGHTS (TYPE A) | WARNING LIGHTS (TYPEC) | DRUMS | TUBE CHANNELIZER |
| | | 880(B) | 880(B) | 880(C) | 880(E) | B80(E) | 880(F) | 880(G) |
| | | SD | SD | SD | \$D | SD | SD | SD |
| N PEO | RIA AVE | · · · · · · · · · · · · · · · · · · · | | | · | | | |
| 13 | 1000+00 TO 1004+25 | 180 | 270 | 180 | 360 | 180 | 1440 | 2250 |
| E 36TH | I STREET N | • | | | | | | |
| 13 | 2000+00 TO 2004+50 | 180 | 270 | 180 | 360 | 180 | 1440 | 2250 |
| | TOTAL | 360 | 540 | 360 | 720 | 360 | 2880 | 4500 |

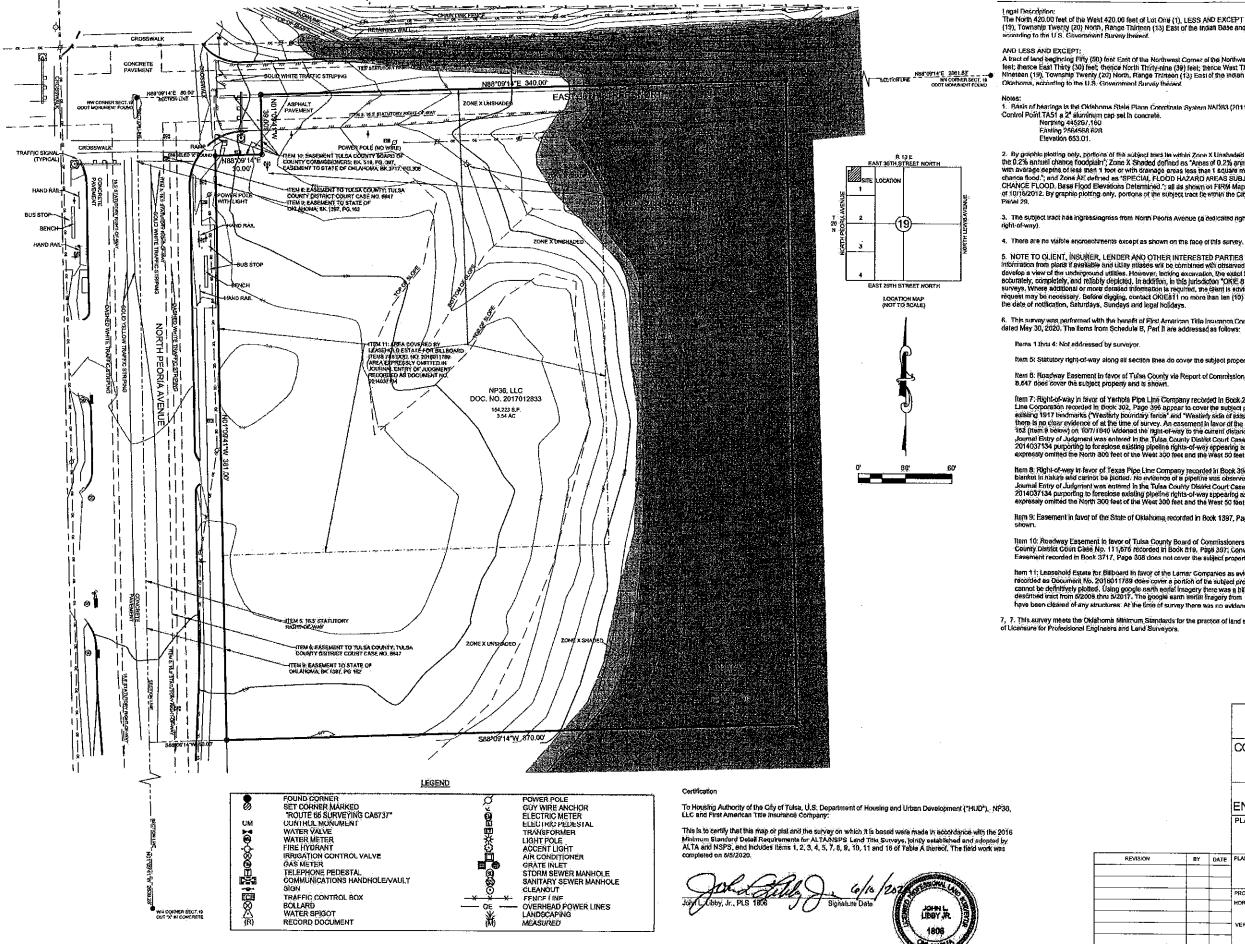
SUMMARY OF QUANTITIES

COMANCHE PARK CHOICE NEIGHBORHOOD

PHASE NO. 1
PUBLIC IMPROVEMENTS

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT
PLANS AND ESTIMATES PREPARED BY:
Wallace design collective, pc
design collective psissed session collective psissed session willoxe design collective psissed session willoxe design

| | exp: 6-30-25 | | <u>\</u> | collective | | | 5858 · wollace.desk |
|-----------|--------------|-----------|----------------|-------------|-----|---------|---------------------|
| REVISION | BY | DATE | PLAN SCALE: | DRAWN | MDE | 9/19/23 | APPROVED: |
| | | | 1"=20" | DESIGNED | JR | 9/19/23 | |
| <u></u> . | | | | SURVEY | RKS | 3/26/21 | |
| | | | PROFILE SCALE: | PROJ MGR. | RF | 9/29 | |
| | | _ | HORIZONTAL: | LEAD MGR. | | , | |
| | | | 1*=20* | FIELD MGR. | Zem | No | |
| | | VERTICAL: | RECOMMENDED: | | | | |
| | | | 1"=5" | DESIGN MANA | GER | 100 | CITY, KNGMEER |
| | | | FILE: | DRAWING: | | | DATE: 9/19/23 |
| | | | ATLAS PAGE NO. | . 218, 219 | | | SHEET 7 OF |



The North 420.00 feet of the West 420.00 feet of Lot One (1), LESS AND EXCEPT the Wast Fifty 50) feet thereof, in Section Nineteen (19), Township Tweny (20), North, Range Thifteen (13) East of the Indian Base and Meridian, Tulisa County, State of Oklahoma, according the U.S. Giverninent Survey before.

A tract of land beginding Fifty (50) feat East of the Northwest Corner of the Northwest Quarter (NW/4); thence South Thirty-nine (39) feet; thence East Thirty (30) feet, thence North Thirty-nine (39) feet; thence East Thirty (30) feet, thence North Thirty-nine (39) feet; thence West Thirty (30) feet to the point of beginning, in Section Nineteen (19), Township Twenty (20) North, Range Thirteen (13) East of the Indian Base and Meridian, Tuisa County, State of

Básis of héarings is the Oklahoma Stale Plans Coordinate System NADR3 (2011). Elevations ata NAVD 1988 based on City of Tutsa Control Point TAS1 s. 2" situralum cap set in concrete. Norphing 44550.160
 Easting 2664564 620

- 2. By graphic plotting only, portions of the subject track in within Zone X Unshaded defined as "Areas determined to be cultaked the 0.2% annual chance flood paint." Zone X Shaded defined as "Areas of 0.2% annual chance flood, erress of 1% annual chance flood. with a Wilder developing colours in 200 ms. A mixed ordinates a variety of the 200 ms. A mixed colours book, except in 15 of mixed caracter book with a Wilder developing of less than 1 foot or with distingle enables than 1 folder while, and areas protected by levees from 1% annual chance flood, and Zone AE defined as "SPECIAL FLOOD HAZARO AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD Base Flood Elevations Determined," and ISRN or FRRM Map Pariet Number 41430228L with an effective date of 10/18/2012. By graphic plotting only, portions of the subject tractile within the City of Tuisa Regulatory Floodpieln as shown on Atlas
- 3. The subject tract has highest egress from North Peorla Avenue (a dedicated right-of-way) and East soin street North (a statutory
- 5. NOTE TO CLIENT, INSURER, LENDER AND OTHER INTERESTED PARTIES WITH REGARD TO TABLE A, ITEM 11: Source information from plants if available and utility plasses will be combined with observed evidence of utilities pursuant to SECTION S.E.IV. to develop a view of the underground utilities. However, briding excavation, the exist location of underground restures cannot be accurately, completely, and reliably deprinted, it had diffication "ONE all IT utility locative will not respond for title surveys. Where additional or more detailed information is required, the differ is edvised that excevation and/or private utility locate request may be incession; Before digiting, contact ORIGE1 in omore than lan (10) days not less then forty-eight (48) hours, excluding the date of notification, Saturdays, Sundays and legal holidays.
- This survey was partitioned with the benefit of First American Title Insurance Company's Title Commitment No.: 2508781-CK23, dated May 30, 2020. The Items from Schedule B, Pert II are addressed as follows:

Item 5: Statutory right-of-way along all section thes do cover the subject property and are shown.

Item 8: Roadway Easement to favor of Tulsa County via Report of Commissioners issued in Tulsa County District Court Case No. 8,647 does cover the subject property and is shown.

flem 7: Right-of-way in favor of Yarthola Pipe Line Company recorded in Book 217, Page 59; Assignment in favor of Ozart Pipe Line Corporation recorded in Book 302, Page 396 appear to cover the subject property but this locative description refers to assisting 1917 bindmarks ("Westferty boundary femica" and "Westferty acts of testigning pole line, how carrying Four (4) wires") of which there is no clear evidence of at the time of survey. An assement in lawor of the State of Oklahoma conded in Book 1937, Page 192 (trains below) on 1971/1940 widelend the right-of-way to the carrent distance of 50 friet from the section line. (NOTE: A Final Journal Entry of Judgment was enhered in the Tuble County District Court Case No. CV-2014-155 recorded as Document No. 2014/03/134 purporiting to foreclose existing pipeline rights of-way appearing as Exceptions? and a property description expressly omitted the North 300 feet of the West 300 feet and the West 50 feet of the subject property.)

hem 8. Right-of-way in favor of Texas Pipe Line Company recorded in Book 398, Page 281 may cover the subject property but is blanket in nature and carried be blotted. No evidence of a pipetine was observed crossing the subject property. (NOTE: A Final Journal Entry of Judgment was entered in the Tulsa County District Court Case No. CV-2014-155 recorded as Occurrent No. 2014037134 purporting to foreclose existing pipeline fights of-way appearing as Exceptions 7 and 8. The property description expressly omitted the North 300 feet of the Weet 300 feet and the West 50 feet of the subject property.)

Item 9: Essement in favor of the State of Oktahorna recorded in 8ook 1397, Page 162 does not cover the subject property but is

Item 10: Roadway Essement In favor of Tulsa County Board of Commissioners via Journal Entry of Judgment entered in Tulsa County District Count Case No. 111,876 recorded in Book 519, Paga 397; Conveyance in revor or the State of Oklahoma via Easement recorded in Book 3717, Paga 308 does not cover the subject property but Is shown.

from 11; Leasehold Estate for Billboard in favor of the Larnar Companies as evidenced by Assignment of Lease Agreement recorded as Document No. 2016011789 odes cover a portion of the subject property (shown on scrivey) but is blanket in nature and cannot be definitively plotted. Using google earth engiel Imagery (tere was a billboard on site near the nothwest corner of the described inside from \$2000 km at 2017. The google earth send married imagery from \$1/2017 shows the act the billboard tocknown to have been cleared of any structures. At the time of survey there was no avidence of a billboard on the described from

7, 7. This survey meets the Oklahoma Minimum Standards for the practice of land surveying as adopted by the Oklahoma State Boer

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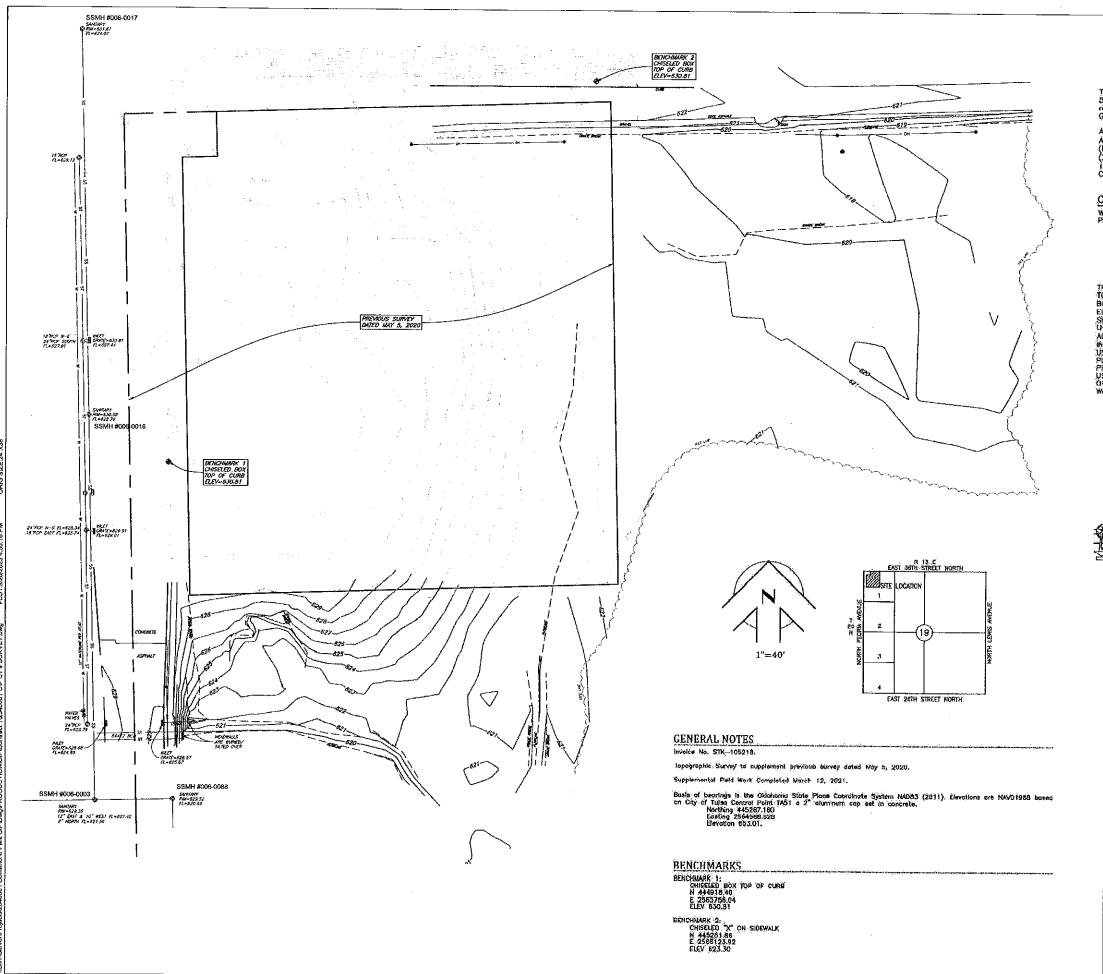
ALTA LAND TITLE SURVEY WITH TOPOGRAPHY-1

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 **PUBLIC IMPROVEMENTS**

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY wallace design 123 n. mortin luther king jr. blvd.

| REVISION | BY | DATE | PLAN SCALE: | DRAWN | MDE | 9/19/23 | APPROVED: |
|----------|----|------|----------------|-------------|-------|---------|---------------|
| | | | | DESIGNED | JR | 9/19/23 | |
| | | | | SURVEY | RKS | 3/28/21 | |
| | | | PROFILE SCALE: | PROJ MGR. | P.F | 1/23 | |
| | | | HORIZONTAL: | LEAD MGR. | | | |
| | | |] | FIELD MGR. | Zem | 10/25 | |
| | | | VERTICAL: | RECOMMEND | ED: | • | CITY ENGINEER |
| | | | | DESIGN MANA | GER F | | CITTATORIEER |
| | | 1 | FILE: | DRAWING: | | | DATE: 9/19/23 |
| | 1 | 1 | | | | | |



TOPOGRAPHIC SURVEY

3525 North Peorla Avenue, Tulsa, OK

The Horth 120,00 feet of the West 120,00 feet of Let One (1), LESS AND EXCEPT the West Fifty 50) feet thereof, in Section Nineteen (13), Township Twenty (20) North, Ronge Thirteen (13) East of the Indian Base and Meridian, Tuisd County, State of Oktahome, according to the U.S. Covernment Survey Unergot.

AND LESS AND EXCEPT:

AND LESS AND EXCEPT:

A tract of land beginning fifty (50) feet East of the Northwest Corner of the Northwest Quarter (NW/4); thence South Thirty-nine (39) feet, thence South Thirty-nine (39) feet, thence West Thirty (30) feet to the point of beginning, in Section Nineteen (19), lownship, twenty (20) North, Kange Thirteen (15) Lost of the Indian Base and Meridian, Tuba County, State of Oklahorna, according to the U.S. Government Survey thereof.

CERTIFICATE

WHITE SURVEYING COMPANY, AN OKLAHOMA CORPORATION, AND THE UNDERSIGNED, A REGISTERED PROFESSIONAL LAND SURVEYOR, DO HERELY CERTIFY TO:

Tulsa Housing Authority Wallace Engineering

THAT THIS TOPOGRAPHIC SHEVEY PLAT IS A TRUE AND ACCURATE REPRESENTATION OF THE TOPOGRAPHIC FEATURES SITUATED ON THE LAND DESCRIBED HEREON, SHOWS THE LOCATION OF ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SITUATED THEREON, ACCURATELY SHOWS SPOT ELEVATIONS AND A ONE (1) FOOT CONTIONE INTERVAL AS BASED ON THOSE SPOT ELEVATIONS, SHOWS THE LOCATION AND DIMENSION OF ALL EASEMENTS, ROUTIS—OF—WAY AND OTHER MATTERS IT FECUND OF WHICH THE UNDERSIONAL HAS BEEN ADVISED AFFILIANT THE SUBJECT PROPERTY ACCORDING TO THE LEGAL DESCRIPTION OF SUCH EASEMENTS (WITH BOOK AND PAGE NUMBER INDICATED), AND EXCEPT AS SHOWN, THERE ARE NO EASEMENTS OR NIGHTS—OF—WAY OF WHICH THE UNDERSIONED HAS BEEN ADVISED AFFECTING THE SUBJECT PROPERTY, THIS TOPOGRAPHIC SURVEY PLAT IS MADE FOR THE SOLE PURPOSE OF SHOWING ELEVATIONS OF SELECTED POINTS ON THE FROPERTY DESCRIBED HEREON, IS NOT A LAND OR BOUNDARY LINE SURVEY, AND MAY NOT BE USED OR RELIED OFON FOR LOAN CLOSING PURPOSES, TITLE INSURANCE PURPOSES, ESTABLISHMENT OF FENCE, BUILDING OR OTHER IMPROVEMENTS, OR ANY OTHER MATTERS FOR WHICH THIS SURVEY WAS NOT PREPARED.



WHITE SURVEYING COMPANY CENTIFICATE OF AUTHORIZATION NO. CATOUR (RENEWAL 6/30/2023)

RESISTERED PROFESSIONAL LAND

SURVEYOR OKLAHOMA NO. 1876

WHITE SURVEYING COMPANY

providing land surveying services since 1940

9936 E. 55th Place • Tulsa, OK 74146 • 918.663.6924 • 918.664.8366 fax



THIS SHEET IS FOR THE CONVENIENCE OF THE CONTRACTOR. IT IS INTENDED FOR GENERAL SURVEY INFORMATION ONLY. WALL ACE DESIGN COLLECTIVE HAS NOT CONFIRMED ITS ACCURACY, SURVEY INFORMATION WAS REPRODUCED BY ELECTRONIC TRANSFER FROM THE SURVEYOR, ORIGINAL SURVEY DRAWINGS AVAILABLE FROM THE SURVEYOR. NOTE: SURVEY SCALED TO FIT PAGE.

| TOPOGRAPHY-2 | ALIA | LAND TITLE SURVEY WITH | | | | | | | | |
|--------------|--------------|------------------------|--|--|--|--|--|--|--|--|
| | TOPOGRAPHY-2 | | | | | | | | | |

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 PUBLIC IMPROVEMENTS

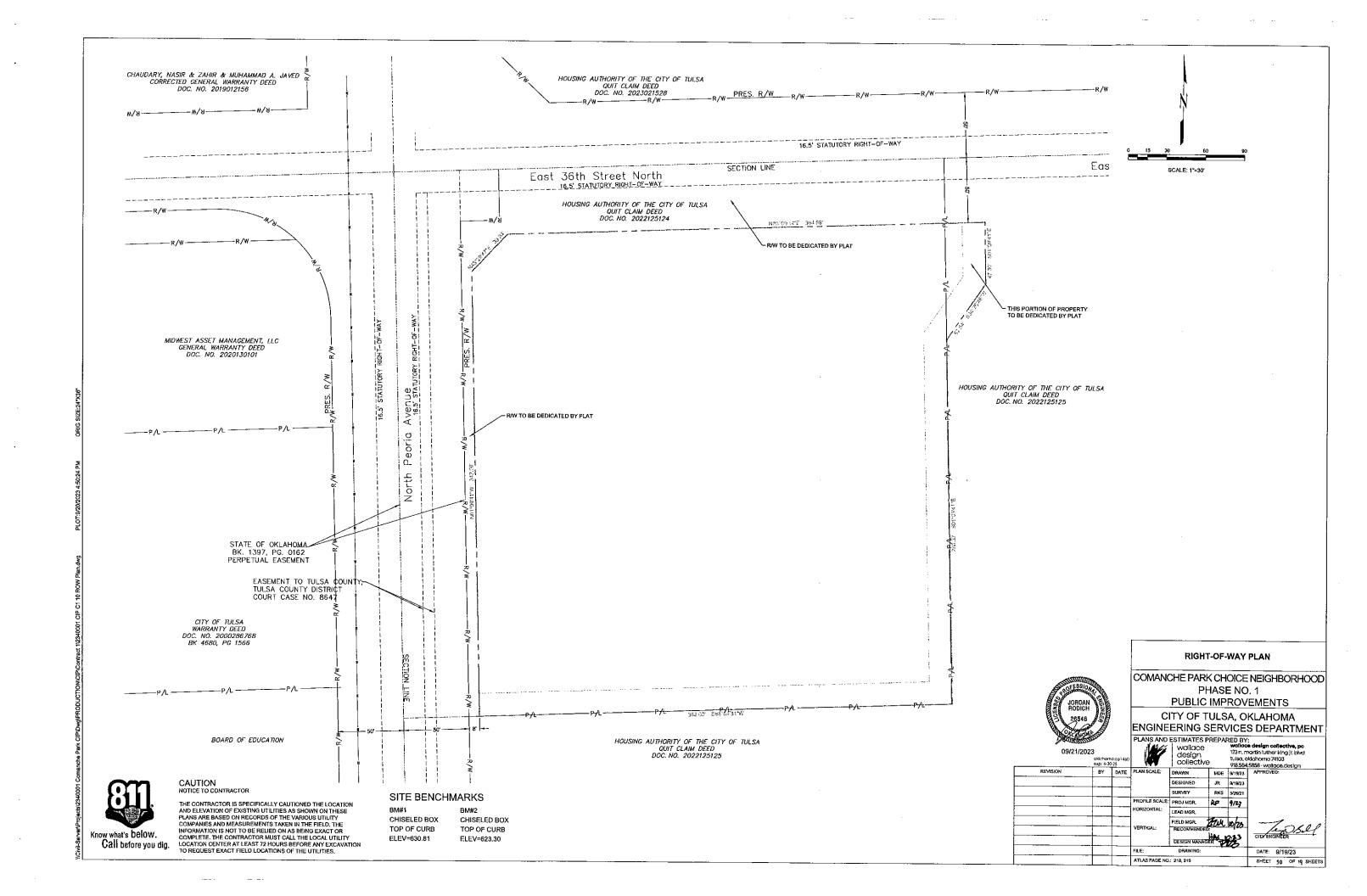
CITY OF TULSA, OKLAHOMA

ENGINEERING SERVICES DEPARTMENT PLANS AND ESTIMATES PREPARED BY:

wallace design collective, po 123 n. martin luther king jr. blvd. tulsa, oklahoma 74103 918.584.5858 - wallace design MDE 9/19/23

DATE: 9/19/23

REVISION JR 9/19/23 DESIGNED SURVEY RKS 3/26/21 PROFILE SCALE: PROJMOR. RF 9/23 ORIZONTAL LEAD MGR. 22cm 10/23 FIELD MGR. ERTICAL: FILE: ATLAS PAGE NO.: 218, 219



STORM WATER MANAGEMENT PLAN

| SITE DESCRIPTION | EROSION AND SEDIMENT CONTROLS | | | | | | |
|---|--|--|--|--|--|--|--|
| SITE DESCRIPTION PROJECT LIMITS: THE SOUTHEAST CORNER OF N PEORIA AV AND E 36TH ST N PROJECT DESCRIPTION: INSTALLATION OF CURB AND GUTTER AND SIDEWALK ALONG E 36TH ST N, REPLACE SIDEWALK ALONG N PEORIA AV, INSTALLATION OF TWO COMMERCIAL DRIVEWAYS AND A SANITARY SEWER EXTENSION SOIL TYPE: TOTAL AREA OF THE CONSTRUCTION SITE: 0.52 AC ESTIMATED AREA TO BE DISTURBED: 0.42 AC OFFSITE AREA TO BE DISTURBED: 0 AC (FOR CONTRACTOR USE) TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 0.09 AC TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 0.19 AC | SOIL STABILIZATION PRACTICES: TEMPORARY SEEDING X PERMANENT SODDING, SPRIGGING OR SEEDING VEGETATIVE MULCHING SOIL RETENTION BLANKET X 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 X TEMPORARY SILT FENCE TEMPORARY SILT DIKES X 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 SEDIMENT BASINS TEMPORARY SEDIMENT TRAPS TEMPORARY SEDIMENT TRAPS TEMPORARY SEDIMENT TREMOVAL RIP RAP INLET SEDIMENT FILTER SANDBAG BERMS | THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING: MAINTENANCE AND INSPECTION: ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKIN THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PEI 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER T RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENT AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTAND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXNEED TO BE INSPECTED. WASTE MATERIALS: PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS I CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHA REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES. HAZARDOUS MATERIALS: PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS RECONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANDLAGTURER'S RECOMMENT FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PRE MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLE CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SCHEMENS. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLE CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SCHEMENS. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLE CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SCHEMENS. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLE CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SCHEMENS. EXAMPLES INCLUDE BUT THE NOTICE OF INTENT (NO!) FORM AN CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF EN COULD STILL PRESENCE OF HAT HAVE BEEN FILED WITH THE PROPORES AS PRACTICES AMENDS THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK STILLS, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER DISCHAR FROM CONSTRUCTI | | | | | |
| POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: LATITUDE & LONGITUDE OF CENTER OF PROJECT: 36° 12' 30" N; 95° 58' 30" W PROJECT WILL DISCHARGE TO: NAME OF RECEIVING WATERS: DIRTY BUTTER CREEK SENSITIVE WATERS OR WATERSHEDS: YES NO X 303 (d) IMPAIRED WATERS: YES NO X IF YES, LIST IMPAIRMENT: MACROINVERTEBRATE BIO LOCATED IN A TMDL: YES NO X LAKE THUNDERBIRD TMDL: YES NO X MS4 ENTITY YES NO 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. | OFFSITE VEHICLE TRACKING: ——————————————————————————————————— | 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 POLLUCE 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, APRIL 1, 2023. REVISION BY DATE REVISION BY DATE | | | | | |

REVISED 10-15-2020

NG ORDER FROM R IS ESTABLISHED. ERFORMED ONCE EVERY THAN 0.5 INCH AS ITIALLY ERODIBLE STRUCTION ENTRANCES XAMPLES OF SITES THAT

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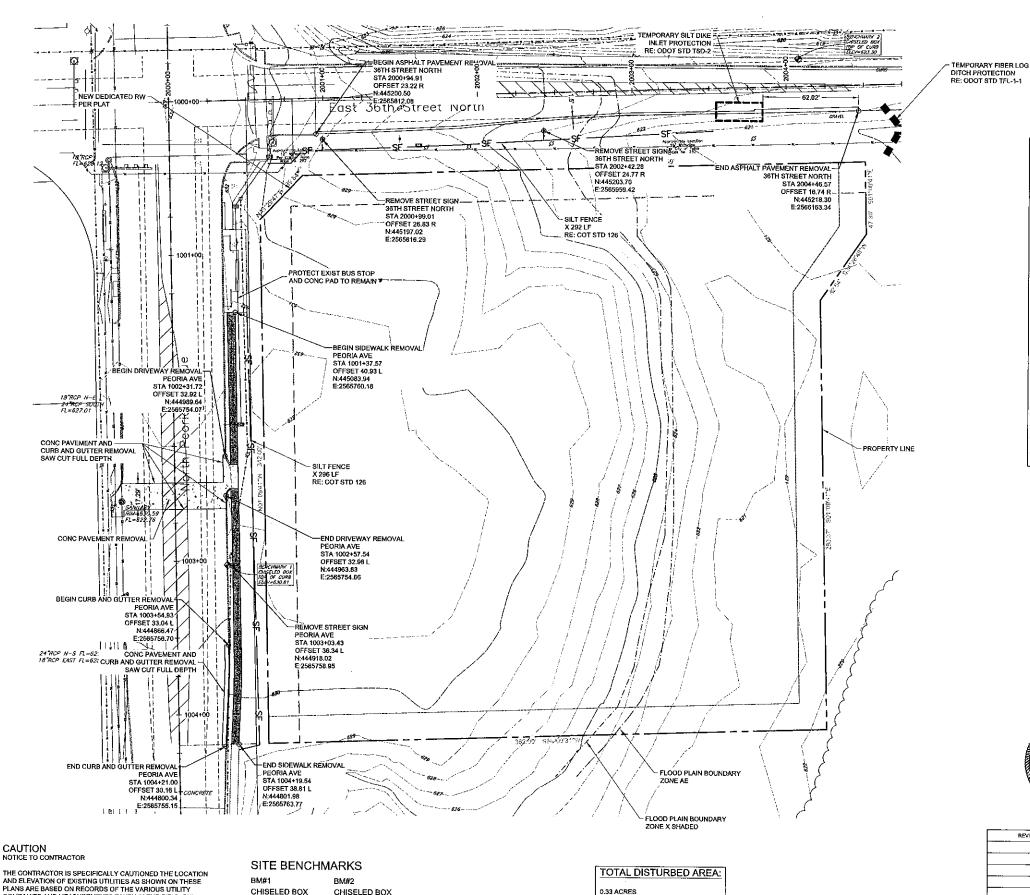


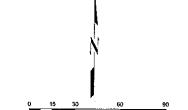
COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 PUBLIC IMPROVEMENTS

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

| 09/21/202 | | 23 oklohoma ca 1450 exp: 6-30-25 | | | design collective | , | 123 n. martin luther king Jr. b tulsa, oklahorna 74103 918.584.5858 · walkace deska | | | |
|-----------|----------|--|------|----------------|----------------------|-----|---|----------------|--|--|
| | REVISION | BY | DATE | PLAN SCALE: | DRAWN | MDE | 9/19/23 | APPROVED: | | |
| | | <u></u> | | | DESIGNED | JR | 9/19/23 | | | |
| | | | | | SURVEY | RKS | 3/26/21 | | | |
| | | | | PROFILE SCALE; | PROJ MGR, | Re: | 9/37 | | | |
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| | | | | ATLAS PAGE NO. | : 218, 219 | | | SHEET 11 OF | | |
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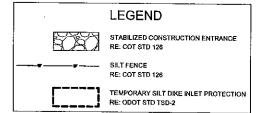




SCALE: 1"=30"

GENERAL DEMOLITION NOTES:

- ALL CONCRETE AND ASPHALT NOTED FOR REMOVAL SHALL BE SAW OUT FULL DEPTH AND REMOVED OFF SITE.
- CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINTS.
- CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS OFF SITE.
- ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING. TREES, ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. ALL COST SHALL BE INCLUDED IN BASE BIO.
- WITH PRIOR APPROVAL, CONTRACTOR MAY ESTABLISH AN ON-SITE STAGING AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING STAGING AREA TO ITS ORIGINAL CONDITION. SECURITY OF STAGING AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ON-SITE VEGETATION SHALL BE PROTECTED AS NOTED, IN DESIGNATED PROTECTION AREAS WHERE THE CONTRACTOR DOES NOT PROTECT VEGETATION AS NOTED, CONTRACTOR SHALL RESTORE VEGETATION TO EXISTING CONDITION AT NO ADDITIONAL EXPENSE TO THE OWNER, TO THE SATISFACTION OF THE ARCHITECT.
- CONTRACTOR SHALL PROTECT ALL ABOVE GROUND UTILITY FEATURES NOT BEING REMOVED INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVES, AND INLETS. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE EXISTING
- TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE, WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 14 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEED AND MULCH PER THE AUTHORITY WITH TEMPORARY SEED AND MULCH PER THE AUTHORITY
- CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LANE CLOSURES, DETOURS, ETC. BOTH VEHICULAR AND PEDESTRIAN.
- CONTRACTOR SHALL PROVIDE TEMPORARY UTILITY SERVICE IF REQUIRED.
- CONTRACTOR SHALL ENSURE CONSTRUCTION SITE HAS POSITIVE DRAINAGE THROUGHOUT THE DURATION OF CONSTRUCTION.



DEMOLITION AND EROSION CONTROL PLAN

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 **PUBLIC IMPROVEMENTS**

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

09/21/2023

PLANS AND ESTIMATES PREPARED BY: wallace collective

Wallace design collective, pc 123 n. mortin luther king jr. blvd. tulsa, oklahoma 74103 918.584.5858 - wallace design 9/19/23 | APPROVED:

REVISION MDE 9/19/23 DESIGNED JR 9/19/23 SURVEY RKS 3/28/21 PROFILE SCALE: PROJINGR. PA 9/23 LEAD MGR. IELD MGR. CITY ENGINEER RECOMMENDE DATE: 9/19/23 ATLAS PAGE NO.: 218, 219 SHEET 12 OF 1 SHEETS

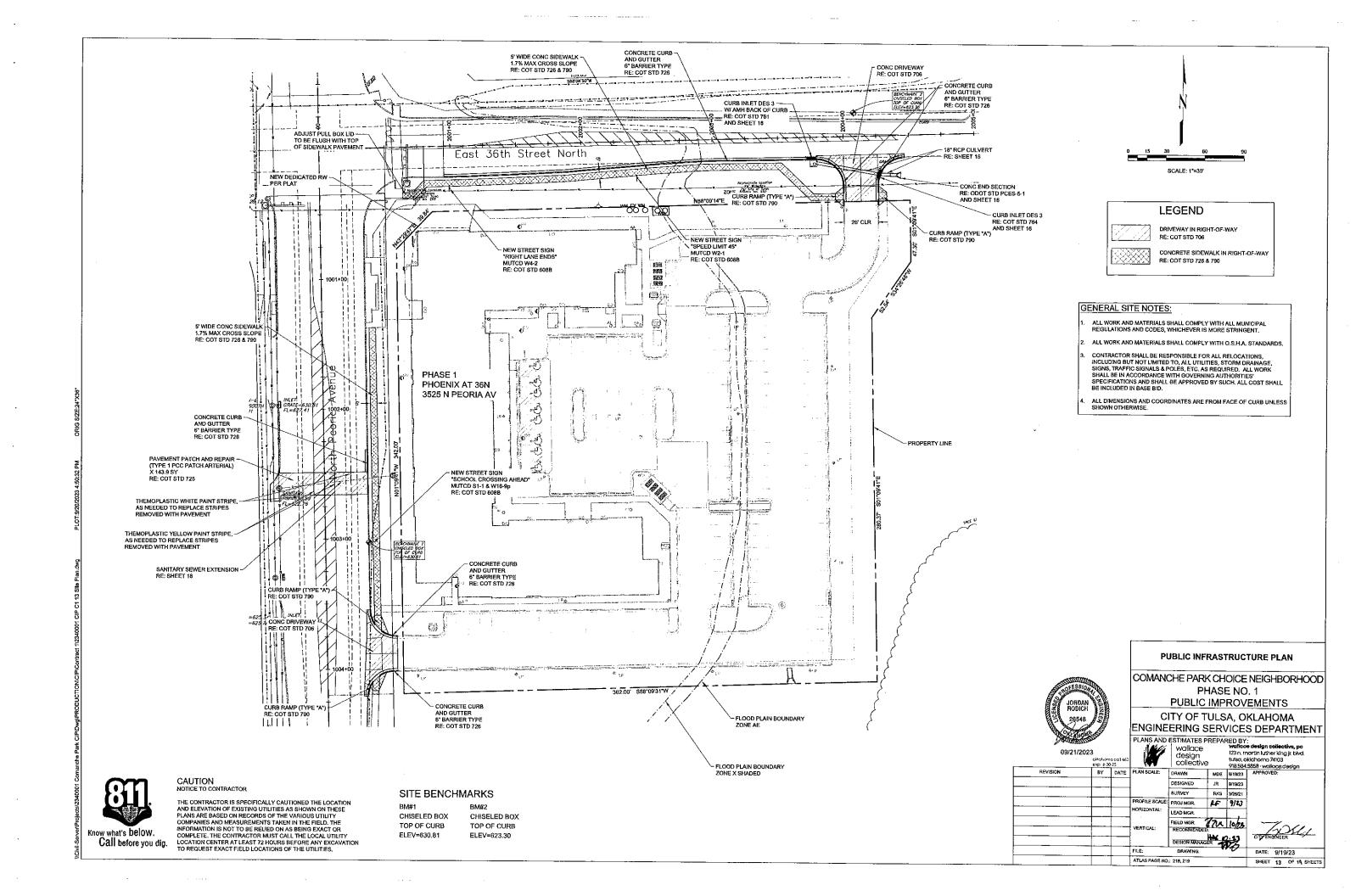


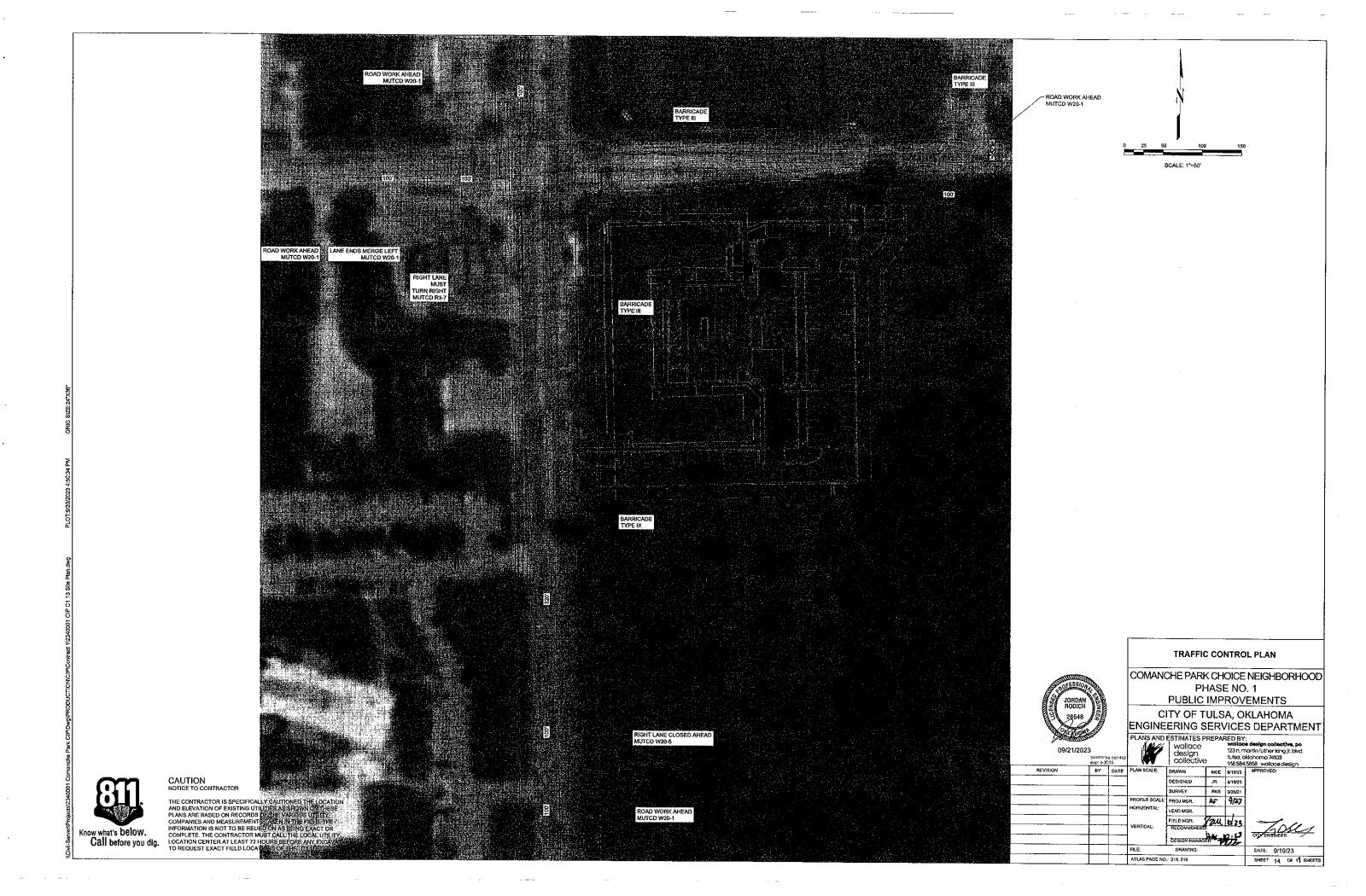
CAUTION

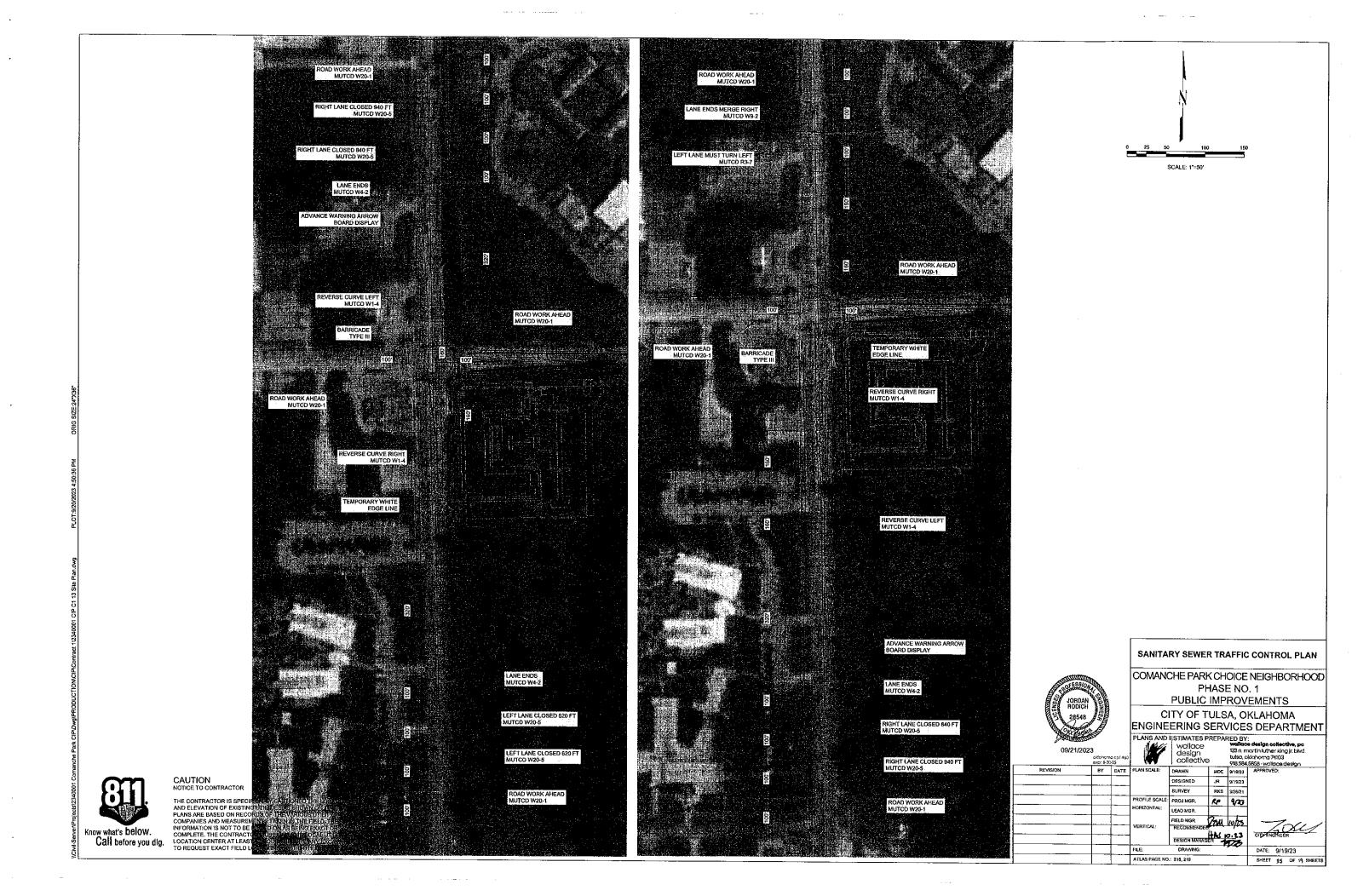
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES

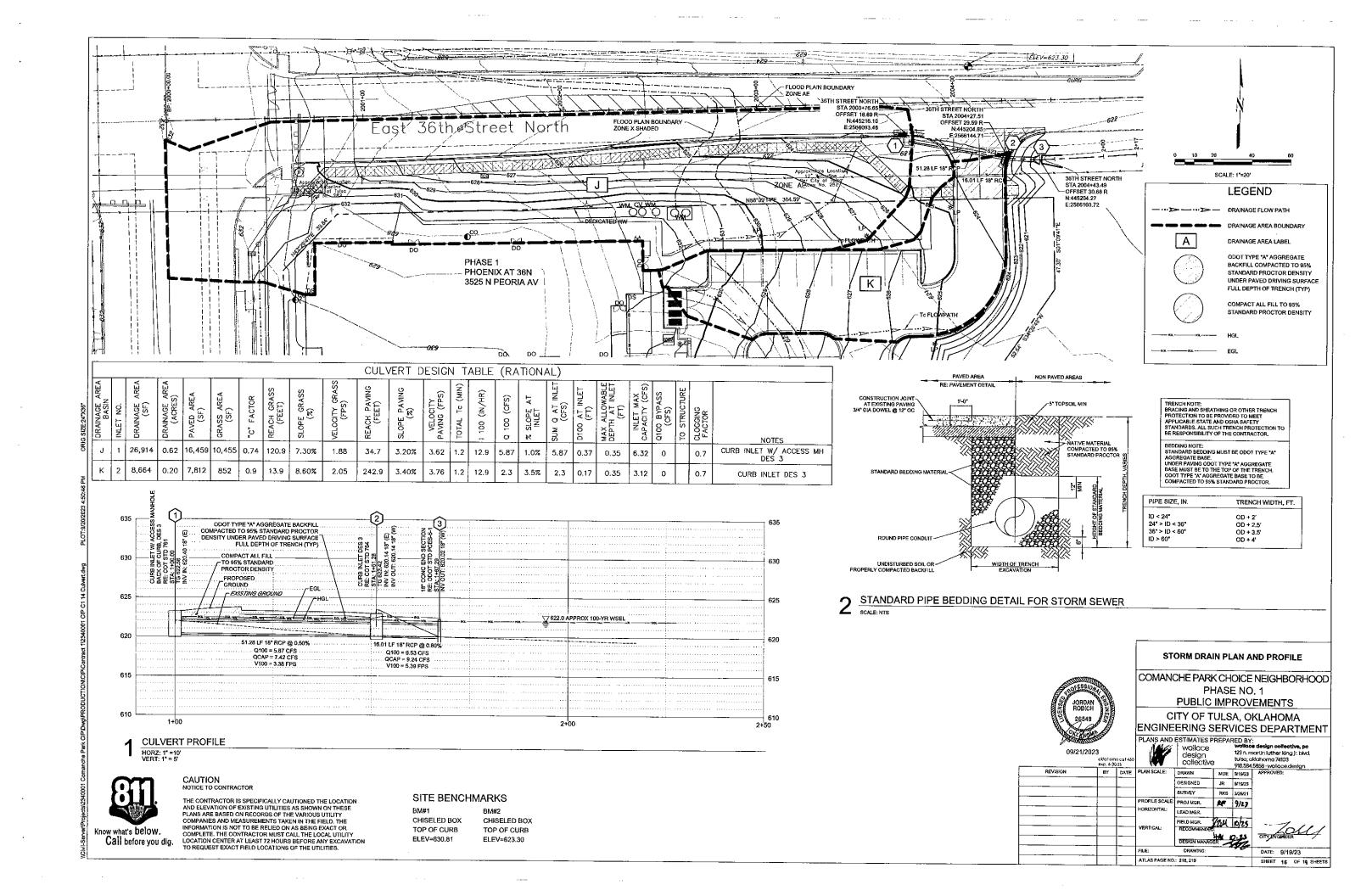
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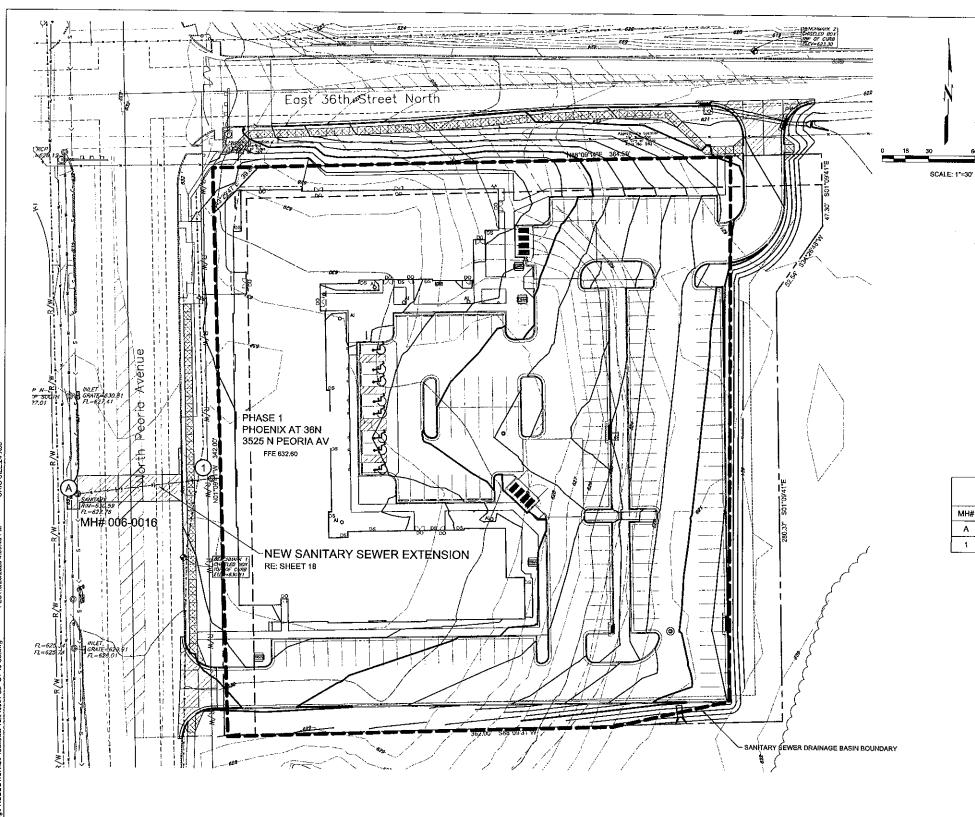
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ORDINANCE FLOW CALCULATION

Q=0.01467 X AREA^(0.8169) Q=0.01467 X 2.797^(0.8169) = 0.03399 MGD

| SANITARY SEWER STRUCTURE LOCATION TABLE | | | | | | | | | |
|---|------------|--------------|----------|--------|--|--|--|--|--|
| MH# | NORTHING | EASTING | RIM ELEV | FL | DESCRIPTION | | | | |
| Α | 444,959.47 | 2,565,687.25 | 630.54 | 622.76 | PROPOSED 4' I.D. MANHOLE (COT STD 356) | | | | |
| 1 | 444,969.89 | 2,565,774.09 | 631.54 | 623.30 | PROPOSED 4' I.D. DROP MH (COT STD 356) | | | | |



SANITARY SEWER DRAINAGE BASIN MAP

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 PUBLIC IMPROVEMENTS

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

09/21/2023

PLANS AND ESTIMATES PREPARED BY:

Wollace
design
collective
123 n.m
vias. ok/
9185945

wallace design collective, po 123 n. mortin luther king jr. blvd. tulsa, oklohoma 74103 918.584.5858 · wallacedesign

| | exp: 6-30-2 | 5 | 177 | collective | э | | kunkanaz 5858 • walk | | 1 |
|----------|-------------|------|----------------|--------------|------|---------|-------------------------|-------------|----------|
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| ···· | | | | DESIGNED | JR | 9/19/23 | | | |
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| | | | VERTICAL: | FIELD MGR. | 220 | 10/23 | ′ | 7 / | |
| | | | YERIICAL; | RECOMMENDE | · | | CITY EN | <u>, ou</u> | 1 |
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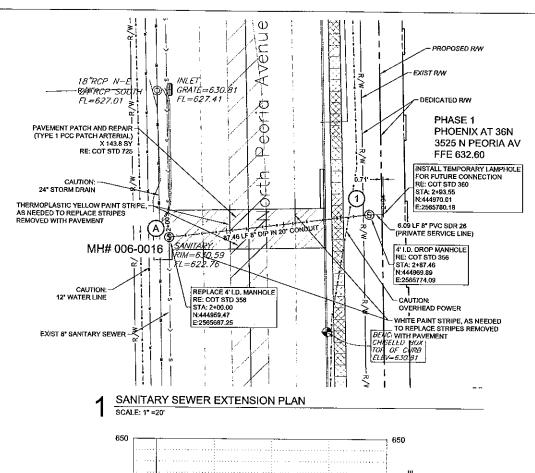
Know what's below.
Call before you dig.

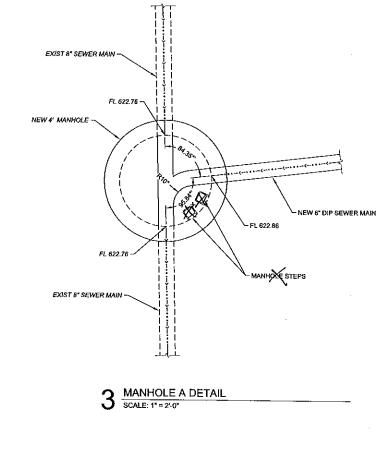
CAUTION NOTICE TO CONTRACTOR

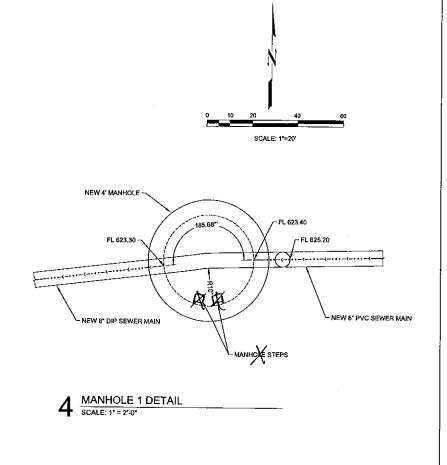
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

SITE BENCHMARKS

BM#1 BM#2
CHISELED BOX CHISELED BOX
TOP OF CURB TOP OF CURB
ELEV=630.81 ELEV=623.30







ODOT TYPE "A" AGGREGATE BACKFILL COMPACTED TO 95% STANDARD PROCTOR... DENSITY UNDER PAYED DRIVING SURFACE 645 640 (A) COMPACT ALL FILL TO 95% STANDARD 635 AND GUTTER RE: COT STD 727 CONC PAVEMENT 630 625 -- 6.09 LF 8" PVC SDR 26 @ 0.51% 87.46 LF 8" DIP IN 20" CONDUIT @ 0.50% 620 610

SITE BENCHMARKS CHISELED BOX CHISELED BOX TOP OF CURB TOP OF CURB

ELEV=623.30

ELEV=630.81

Know what's below. Call before you dig.

CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

SANITARY SEWER PLAN AND PROFILE

COMANCHE PARK CHOICE NEIGHBORHOOD PHASE NO. 1 PUBLIC IMPROVEMENTS

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: 09/21/2023 123 r. mortin luther king jr. blvd. tulsa, oklohoma 74103 918.584.5858 · woltace.design 9/19/23 APPROVEO: MDE 9/19/23 JR 9/19/23 DESIGNED

REVISION RF 9/12 KX 105/93 7 gw ktz PROFILE SCALE: PROJ MGR. LEAD MGR. FIELD MGR. RECOMMEN ATLAS PAGE NO.: 218, 219

DATE: 9/19/23 SHEET 18 OF 19 SHEETS

SANITARY SEWER EXTENSION PROFILE HORZ: 1" =20' VERT: 1" = 4'

