

IDP PLANS FOR HACN CATOOSA FIRE HYDRANT IDP-148932-2023

2871 OK-167 CATOOSA, OK 74015

COT UTILITIES:
ENGINEERING SERVICES
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UTILITIES COORDINATION MANAGER
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918.596.9649
CKOVAC@CITYOFTULSA.ORG

FIRE:
CITY OF TULSA FIRE DEPARTMENT
FIRE MARSHAL, CODY BANKS
1760 NEWBLOCK PARK DRIVE
TULSA, OKLAHOMA 74127
918.596.5584

GAS:
OKLAHOMA NATURAL GAS COMPANY
ATTN: BRANDON RAINBOLT
918.947.7098
BRANDON.RAINBOLT@ONG.COM

TELEPHONE:
AT&T COMMUNICATION INC.
ATTN: KEVIN BENDER
5305 EAST 71ST STREET
TULSA, OKLAHOMA 74135
918.859.9147

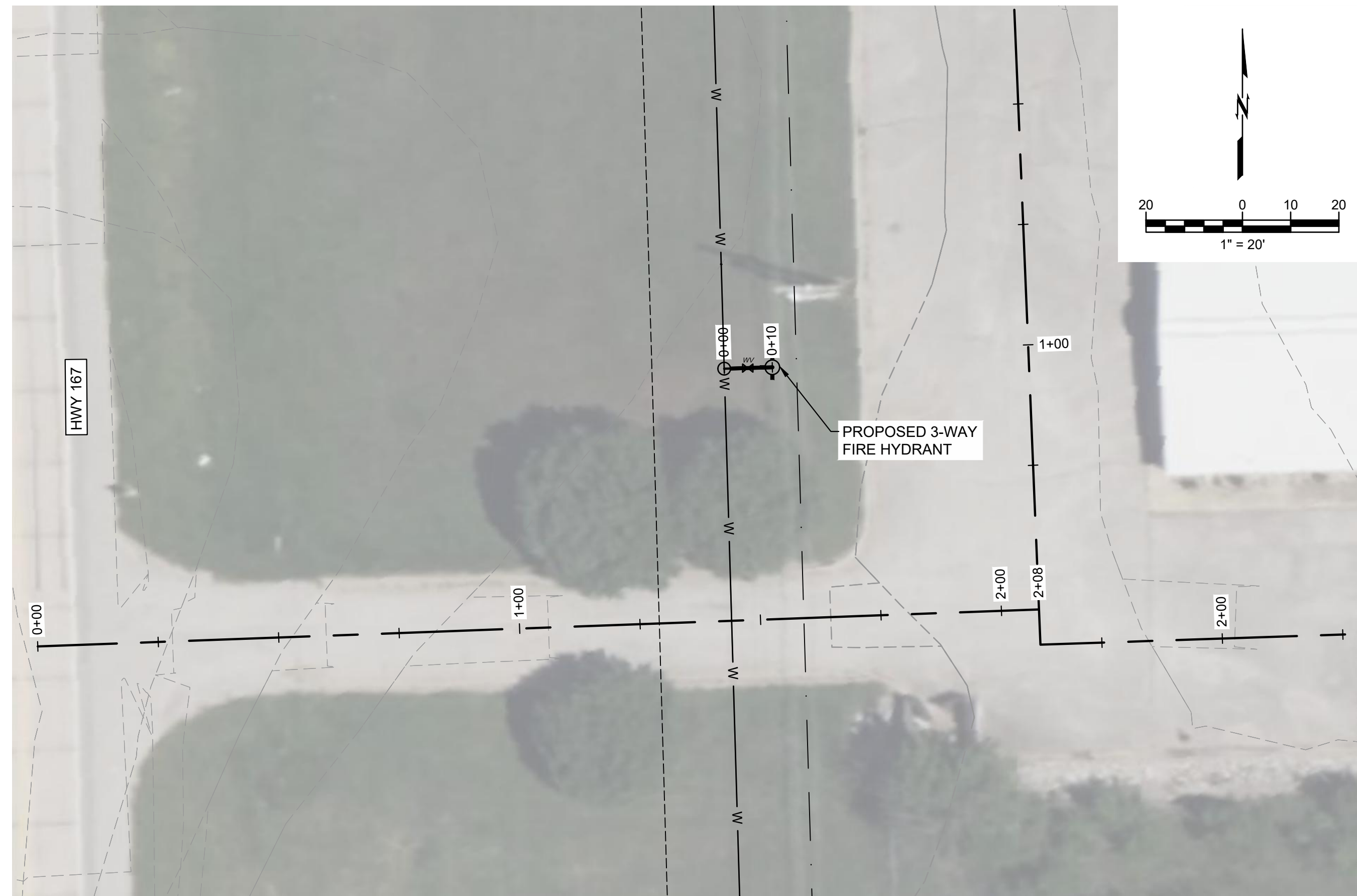
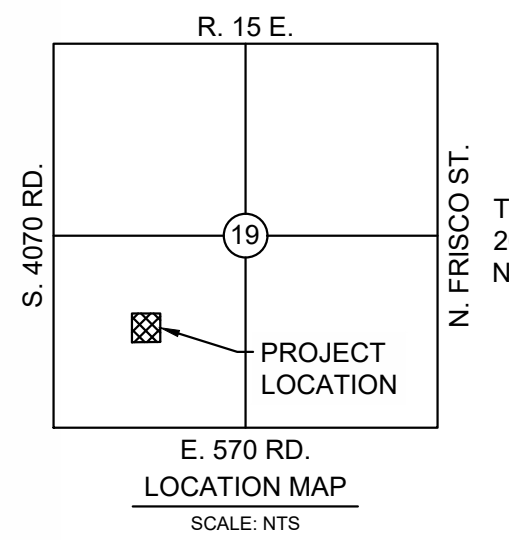
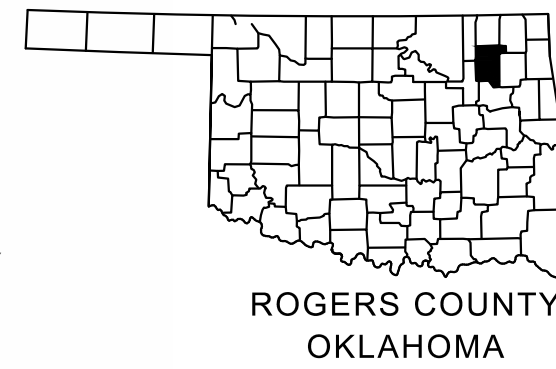
CABLE TELEVISION:
COX COMMUNICATIONS
ATTN: CRAIG BARNES
11811 E. 51ST STREET S.
TULSA, OKLAHOMA 74146
918.286.4754

ELECTRIC:
AEP/PUBLIC SERVICE COMPANY OF OKLAHOMA
ATTN: STEVE WILLIAMS
5223 SOUTH GARNETT
TULSA, OKLAHOMA 74146
918.250.7716

ENGINEER:
A. NICOLE WATTS, P.E.
WALLACE DESIGN COLLECTIVE, P.C.
123 MARTIN LUTHER KING JR BLVD
TULSA, OKLAHOMA 74103
918.584.5858

OWNER:
HOUSING AUTHORITY OF THE CHEROKEE NATION
ATTN: ERNA REEVES
P.O. BOX 1007
TAHLEQUAH, OK 74465
918.456.5482

**CITY OF TULSA
ATLAS PG 632**



NOTES

- ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT STANDARDS AND SPECIFICATIONS.
- ITEMS INCLUDED IN IDP DESCRIPTION SHALL BE PERMITTED UNDER IDP PERMIT.
- THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS.
- REFERENCE ATLAS PAGE #632 FOR CITY OF TULSA UTILITIES.
- ALL CONTRACTORS PERFORMING IDP OR RIGHT OF WAY WORK MUST BE AN APPROVED IDP CONTRACTOR WITH THE CITY OF TULSA. THE CONTRACTOR MUST HAVE A CONTRACT WITH THE CITY AND BE BONDED FOR THEIR PORTION OF THE IDP WORK. THE PRIME CONTRACTOR MUST ALSO APPLY SEPARATELY FOR IDP PERMIT.
- ENTIRE PROJECT IS WITHIN CORPORATE LIMITS OF CITY OF TULSA.
- BEFORE BLOCKING ANY LANE OF TRAFFIC, ANY SIDEWALK OR ANY PARKING METER, OR BEFORE CUTTING ANY STREET, SIDEWALK, OR ALLEY YOU MUST FIRST APPLY FOR AND BE GRANTED A RIGHT OF WAY CONSTRUCTION PERMIT. PERMIT APPLICATIONS CAN BE PICKED UP ON THE 4TH FLOOR OF CITY HALL (175 E. 2ND ST. TULSA, OK). APPLICATION PACKETS CAN BE SUBMITTED TO THE STREETS AND STORMWATER DEPARTMENT ON THE 4TH FLOOR OF CITY HALL OR THEY CAN BE ELECTRONICALLY SUBMITTED AT ROWPERMITS@CITYOFTULSA.ORG. CONTACT JERRY DAILY AT (918)596-9630 OR JDAILEY@CITYOFTULSA.ORG WITH ANY QUESTIONS.
- TRAFFIC ACCESS ON ALL STREETS SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR MUST MAINTAIN PROPER CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL TRAFFIC SIGNS AND POSTS SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATIONS 608 TRAFFIC SIGNS, 608A STREET NAME SIGNS, AND 608B TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATIONS 625 REMOVAL OF TRAFFIC ITEMS.
- TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER TRAFFIC CONTROL IS IN PLACE FOR EACH PHASE OF CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROPERLY MAINTAINING TRAFFIC CONTROL DEVICES THROUGHOUT THE DURATION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL PLANS TO THE CITY AND DEPARTMENT OF TRANSPORTATION AS REQUIRED.

ENGINEER'S STATEMENT:

BY MY SIGNATURE ON THESE CONSTRUCTION DOCUMENTS, I HEREBY CERTIFY THAT I AM FAMILIAR WITH THE ADOPTED ORDINANCES AND REGULATIONS OF THE CITY OF TULSA GOVERNING THE WORK IN THE IDP DESCRIPTION; THAT THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION; THE ABOVE AND FOREGOING PLANS COMPLY WITH ALL GOVERNING ORDINANCES AND THE ADOPTED STANDARDS OF THE CITY OF TULSA TO THE BEST OF MY KNOWLEDGE AND BELIEF. ENTIRE PROJECT IS NOT WITHIN CORPORATE LIMITS OF CITY OF TULSA. THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS.

CITY OF TULSA STANDARDS

STANDARD NAME	STD NO.
BEDDING DETAIL RIGID PIPE	304
FIRE HYDRANT	309
VALVE BOX	313

THE PROPERTY DESCRIBED IS NOT INCLUDED WITHIN THE CITY OF TULSA REGULATORY FLOOD ATLAS. FEMA FIRM MAP PANEL 335 (DATED 04.03.2012) SHOWS THE ENTIRE PORTION OF THE PROPERTY DESCRIBED HEREIN AS LOCATED IN ZONE (X) NOT SHADED WHICH IS CLASSIFIED AS AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

LEGAL DESCRIPTION

TR IN SW NE SW DESC AS BEG; NE/C SW NE SW, TH S01-13-16E 210.98' TO POB, TH S88-42-47W 617.31' TO E ROW/L HWY 167, TH ALG CUR TO R (R 21,615.92') 344.18' TO PT ON N/L OF S 104. 37' SW NE SW, TH N88-42-47E 609.02 TO E/L SW NE SW, TH N 01-13-16 W 344.09' TO POB

IDP DESCRIPTION

THIS IDP PLAN CONSISTS OF
- NEW PUBLIC 3-WAY FIRE HYDRANT AND 6" GATE VALVE IN VALVE BOX

AS-BUILTS:

THE CONTRACTOR SHALL KEEP ON SITE A CURRENT SET OF THE APPROVED CONSTRUCTION WORKING DRAWINGS AT ALL TIMES. THE CONTRACTOR SHALL MARK (IN RED INK) ALL APPROVED CHANGES INCURRED FOLLOWING ISSUANCE OF THE INITIAL DRAWINGS. THESE CHANGES MAY BE INITIATED FROM FIELD CONDITIONS OR CHANGES MADE BY THE DESIGN ENGINEER. EXCEPT FOR MINOR FIELD ADJUSTMENTS, ALL CHANGES SHALL BE REVIEWED AND AGREED TO BY THE DESIGN ENGINEER PRIOR TO THE FINAL APPROVAL OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT THE WORKING DRAWINGS TO THE ENGINEER OF RECORD (DESIGN ENGINEER) AFTER FINAL INSPECTION OF PROJECT TO SERVE AS A BASIS FOR DEVELOPMENT OF RECORD DRAWINGS.

SHEET INDEX

GE01	COVER SHEET
GE02	GENERAL NOTES
WM01	WATER MAIN PLAN AND PROFILE

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.

APPROVED - FOR IDP PERMIT ONLY

MICHAEL LING, PE
INFRASTRUCTURE DEVELOPMENT MANAGER
CITY OF TULSA

ABBREVIATIONS

(M)	MEASURED DATA
(R)	RECORD DATA
BC	BACK OF CURB
BL	BUILDING LINE
CL	CENTERLINE
EG	EXISTING GRADE
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOWLINE
GL	GUTTER LINE
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LP	LOW POINT
ME	MATCH EXISTING
RW	RIGHT-OF-WAY
SF	SQUARE FEET
SY	SQUARE YARDS
TBK	TOP OF BANK
TC	TOP OF CURB
TG	TOP OF GRATE
TOE	TOE OF BANK
TP	TOP OF PAVEMENT
TR	TOP OF RIM
TS	TOP OF SIDEWALK
TW	TOP OF WALL

LEGEND

LINETYPES

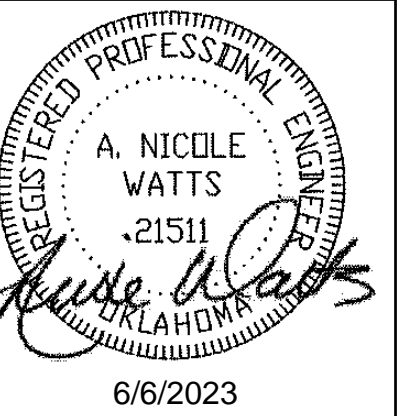
---	CENTERLINE
---	SILT FENCE
---	LIMITS OF CONSTRUCTION
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	EASEMENT
---	FENCE
---	PROPERTY LINE
---	LOT LINE
---	BUILDING SETBACK
---	FIBER OPTIC
---	OVERHEAD COMMUNICATION
---	UNDERGROUND COMMUNICATION
---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	NATURAL GAS
---	SEWER FORCE MAIN
---	SANITARY SEWER MAIN
---	SANITARY SEWER SERVICE
---	DRAINAGE AREA, MAJOR
---	DRAINAGE AREA, MINOR
---	DRAINAGE FLOW PATH
---	STORM DRAINAGE PIPE
---	FIRE LINE
---	WATER LINE
---	WATER SERVICE LINE
---	IRRIGATION LINE

SYMBOLS

⊗	UTILITY POLE
⊙	LIGHT POLE
⊕	GUY ANCHOR
⊞	ELECTRIC BOX
⊟	ELECTRIC METER
⊠	ELECTRIC TRANSFORMER
⊡	A/C UNIT
⊢	ELECTRIC MANHOLE
⊣	GAS METER
⊤	GAS VALVE
⊥	OIL/GAS WELLHEAD
⊦	VENT PIPE
⊧	PIPELINE MARKER
⊨	COMMUNICATION PEDESTAL
⊩	COMMUNICATION MANHOLE
⊪	SEWER CLEAN-OUT
⊫	SANITARY SEWER MANHOLE
⊬	DOWNSPOUT
⊭	ROOF DRAIN
⊮	STORM DRAIN MANHOLE
⊯	FIRE DEPARTMENT CONNECTION
⊰	FIRE HYDRANT
⊱	IRRIGATION CONTROL VALVE
⊲	SHUT-OFF VALVE
⊳	SPRINKLER HEAD
⊴	WATER METER
⊵	WATER VALVE
⊶	YARD HYDRANT
⊷	PIPE BOLLARD
⊸	BENCHMARK
⊹	ACCESSIBLE PARKING
⊺	MAILBOX
⊻	MONITORING WELL
⊼	POTHOLE
⊽	SIGN

wallace design collective

wallace design collective, pc
structural-civil-landscape-survey
123 north martin luther king jr. Blvd.
tulsa, oklahoma 74103
918.584.5858
oklahoma ca1460
exp: 6-30-23



**HACN CATOOSA
FIRE HYDRANT**

2871 OK-167 CATOOSA, OK 74015

DATE
6/6/2023

DESCRIPTION
IDP 2ND SUBMITTAL

REV	DESCRIPTION	DATE
1	IDP 2ND SUBMITTAL	05/12/2023

PROJECT NO. 2340155

SHEET NAME

COVER SHEET

SHEET NO.

GE01



Know what's below.
Call before you dig.

GENERAL EROSION CONTROL NOTES:

1. THE PERMITTEE SHALL BE RESPONSIBLE FOR NOTIFYING THE LAND OWNER AND EACH CONTRACTOR OR ENTITY (INCLUDING UTILITY CREWS AND CITY EMPLOYEES OR THEIR AGENTS) WHO WILL PERFORM WORK AT THE SITE OF THE EXISTENCE OF THE SWPPP AND WHAT ACTIONS OR PRECAUTIONS SHALL BE TAKEN WHILE ON-SITE TO MINIMIZE THE POTENTIAL FOR EROSION AND THE POTENTIAL FOR DAMAGING ANY BMP. THE PERMITTEE IS RESPONSIBLE FOR ANY DAMAGE A SUBCONTRACTOR MAY DO TO ESTABLISHED BMPS AND ANY SUBSEQUENT WATER QUALITY VIOLATION RESULTING FROM THE DAMAGE.
2. ENSURE THE DESIGN, INSTALLATION, AND MAINTENANCE OF EFFECTIVE EROSION AND SEDIMENT CONTROLS TO MINIMIZE THE DISCHARGE OF POLLUTANTS. AT A MINIMUM, SUCH CONTROLS MUST BE DESIGNED, INSTALLED, AND MAINTAINED TO:
 - 2.1. CONTROL STORMWATER VOLUME, VELOCITY, AND PEAK FLOW RATES WITHIN THE SITE TO MINIMIZE SOIL EROSION;
 - 2.2. CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND TO MINIMIZE DOWNSTREAM CHANNEL AND STREAM BANK EROSION AND SCOUR;
 - 2.3. MINIMIZE THE AMOUNT OF EXPOSED SOIL DURING CONSTRUCTION ACTIVITY;
 - 2.4. MINIMIZE THE DISTURBANCE OF STEEP SLOPES;
 - 2.5. MINIMIZE SEDIMENT DISCHARGES FROM THE SITE. ADDRESS FACTORS SUCH AS:
 - 2.6. PROVIDE AND MAINTAIN NATURAL BUFFERS AROUND SURFACE WATERS
 - 2.7. DIRECT STORMWATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORMWATER INFILTRATION AND FILTERING, UNLESS INFEASIBLE; AND
 - 2.8. MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL WHERE PRACTICABLE
3. INSTALLATION OF BMPS NECESSARY TO PREVENT SOIL EROSION AND SEDIMENTATION AT THE DOWNGRADIENT PROJECT BOUNDARY (E.G. BUFFERS, PERIMETER CONTROLS, EXIT POINT CONTROLS, STORM DRAIN INLET PROTECTION) MUST BE COMPLETE PRIOR TO THE START OF ALL PHASES OF CONSTRUCTION. BY THE TIME CONSTRUCTION ACTIVITY IN ANY GIVEN PORTION OF THE SITE BEGINS, DOWNGRADIENT BMPS MUST BE INSTALLED AND OPERATIONAL TO CONTROL DISCHARGES FROM THE INITIAL SITE CLEARING, GRADING, EXCAVATING, AND OTHER EARTH-DISTURBING ACTIVITIES. ADDITIONAL BMPS SHALL BE INSTALLED AS NECESSARY THROUGHOUT THE LIFE OF THE PROJECT. FOLLOWING THE INSTALLATION OF THESE INITIAL BMPS, ALL BMPS NEEDED TO CONTROL DISCHARGES SHALL BE INSTALLED AND MADE OPERATIONAL PRIOR TO SUBSEQUENT EARTH DISTURBING ACTIVITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A STABILIZED CONSTRUCTION ENTRANCE AND FOR CLEANING OF VEHICLE WHEELS IN ACCORDANCE WITH THE CITY OF TULSA STANDARDS AND SPECIFICATIONS.
5. SILT FENCES: PLACEMENT OF SILT FENCES SHALL BE AS SHOWN ON THESE PLANS. FENCING WHICH BECOMES DAMAGED SHALL BE REPLACED PROMPTLY. DEPOSITS OF SILT WHICH BUILD UP BEHIND DIKES MAY BE DISKED ONTO THE SITE BEFORE PLACEMENT OF TEMPORARY COVER. AFTER TEMPORARY COVER IS PLACED OR AFTER LANDSCAPING COMMENCES, SILT SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.
6. UNLESS LOCAL OR STATE REQUIREMENTS NECESSITATE MORE FREQUENT MONITORING, CONTRACTOR SHALL INSPECT EROSION CONTROL DEVICES EVERY 7 DAYS OR WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH (EXCLUSIVE OF HOLIDAYS). THE CONTRACTOR SHALL REPAIR DAMAGE, CLEAN OUT SEDIMENT, AND ADD ADDITIONAL CONTROL DEVICES AS NEEDED AS SOON AS POSSIBLE AFTER INSPECTION. DEFICIENCIES MUST BE CORRECTED WITHIN 7 DAYS.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL FINES ASSOCIATED WITH EROSION CONTROL VIOLATIONS.

TEMPORARY STABILIZATION:

1. INITIATE THE INSTALLATION OF STABILIZATION MEASURES IMMEDIATELY IN ANY DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS ON ANY PORTION OF THE SITE.
2. TEMPORARY STABILIZATION SHALL INCLUDE TEMPORARY SEEDING, GEOTEXTILES, MULCHES, AND/OR OTHER TECHNIQUES TO REDUCE OR ELIMINATE EROSION UNTIL EITHER FINAL STABILIZATION CAN BE ACHIEVED OR UNTIL FURTHER CONSTRUCTION ACTIVITIES TAKE PLACE TO RE-DISTURB THIS AREA.
3. TEMPORARY STABILIZATION SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS.

FINAL STABILIZATION:

1. FINAL STABILIZATION SHALL BE INSTALLED IN ACCORDANCE WITH THE LANDSCAPE PLANS AND LOCAL AND STATE REQUIREMENTS.
2. CONTRACTOR SHALL MAINTAIN PERENNIAL VEGETATION UNTIL UNIFORM COVER IS ESTABLISHED. UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS, THIS SHALL INCLUDE A MINIMUM OF 70% COVERAGE AND NO BARE AREAS OF 10 SQUARE FEET OR MORE.

GENERAL NOTES:

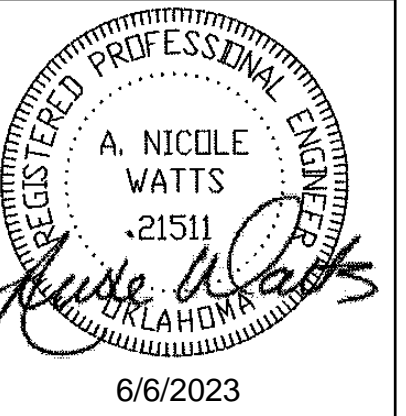
1. CONDUCT SITE CLEARING OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. STREETS AND ROADWAYS SHALL BE THOROUGHLY CLEANED AND/OR SWEEPED ON A DAILY BASIS OR MORE FREQUENTLY AS REQUIRED BY THE GOVERNING AUTHORITY. RESTORE DAMAGED IMPROVEMENTS TO ORIGINAL CONDITION AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
2. THE CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES.
3. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES, AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
4. UNLESS SPECIFIED OTHERWISE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS, AND REGULATIONS OF THE CITY OF TULSA, AND STATE DEPARTMENT OF TRANSPORTATION, AND/OR THE APPROPRIATE LOCAL AUTHORITIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, PERMIT FEES, LICENSES, LICENSE FEES, TAP FEES, ETC.
6. ALL ELEVATIONS IN PAVED AREAS ARE TOP OF FINISHED PAVEMENT UNLESS OTHERWISE NOTED.
7. RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM ENGINEER BEFORE ANY UTILITY RELOCATION.
8. NO DIMENSION MAY BE SCALED. REFER UNCLEAR ITEMS TO THE ENGINEER FOR INTERPRETATION.

EXCAVATION NOTIFICATION

1. ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS).
2. CONTRACTORS TO CALL 811 (OR VISIT CALL811.COM) TO REQUEST UTILITY LOCATES. ONCE COMPLETION OF MARKINGS HAS BEEN CONFIRMED BY THE CONTRACTOR, NO AUTOMATED OR MECHANICAL EQUIPMENT SHOULD BE USED WITHIN TWO FEET ON EITHER SIDE OF THE MARKINGS (OR ANOTHER MORE STRINGENT TOLERANCE AS DIRECTED), AND EXISTING FACILITIES MUST BE EXPOSED BY HAND.
3. EXISTING UTILITY LOCATIONS SHOWN SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS OF UNDERGROUND UTILITIES ON THESE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPUTATIONS.

SITE ACCESSIBILITY

1. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, ACCESSIBLE PARKING, AND ACCESSIBLE ROUTES SHALL COMPLY WITH THE APPLICABLE ACCESSIBILITY CODES (AMERICAN DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES; THE PROPOSED PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) PUBLISHED IN THE FEDERAL REGISTER JULY 2011; INTERNATIONAL BUILDING CODE (IBC); ICC A117.1; ETC.)
2. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THESE GUIDELINES, 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 THESE GUIDELINES WITHOUT PRIOR, WRITTEN PERMISSION FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THESE GUIDELINES, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
3. GENERAL SLOPE GUIDANCE:
 - 3.1. CROSS SLOPES SHALL NOT EXCEED 1:50 (2.0%). PREFERRED SLOPE IS 1.5%.
 - 3.2. RUNNING SLOPES SHALL NOT EXCEED 5% EXCEPT AT RAMPS. PREFERRED MAXIMUM SLOPE IS 4.5%.
 - 3.3. RAMP RUNNING SLOPES SHALL NOT EXCEED 1:12 (8.3%). PREFERRED MAXIMUM SLOPE IS 7.8%.
 - 3.4. SLOPES AT LANDINGS, ACCESSIBLE PARKING STALLS, AND ACCESSIBLE AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION. PREFERRED MAXIMUM SLOPE IS 1.5%.
 - 3.5. EXCEPTIONS WITHIN THE PUBLIC RIGHT-OF-WAY: WHERE THE ESTABLISHED ADJACENT STREET GRADE EXCEEDS 5%, RUNNING SLOPES PARALLEL TO THE STREET SLOPES SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET. CURB RAMP RUNNING SLOPE CAN EXCEED 8.3% TO LIMIT THE RESULTING THE RAMP LENGTH TO 15 FEET.



**HACN CATOOSA
FIRE HYDRANT**

2871 OK-167 CATOOSA, OK 74015

REV	DESCRIPTION	DATE
1	IDP 2ND SUBMITTAL	6/6/2023

DATE 05/12/2023
PROJECT NO. 2340155
SHEET NAME

**GENERAL
NOTES**

SHEET NO.
GE02

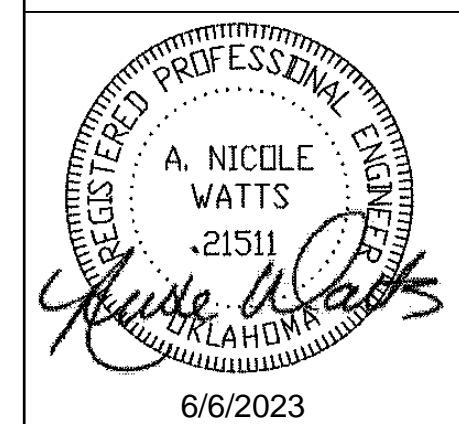
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**Know what's below.
Call before you dig.**

**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.



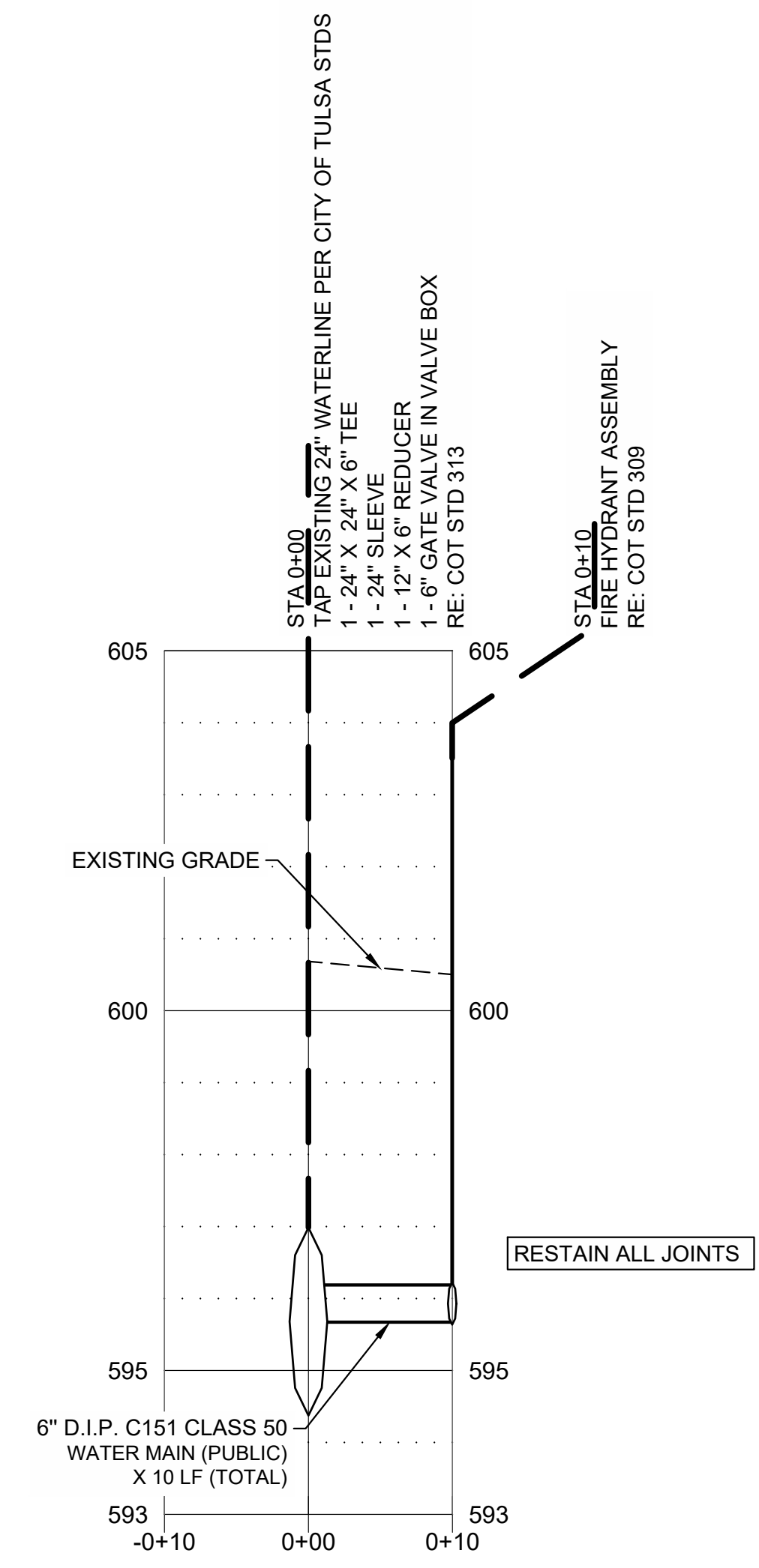
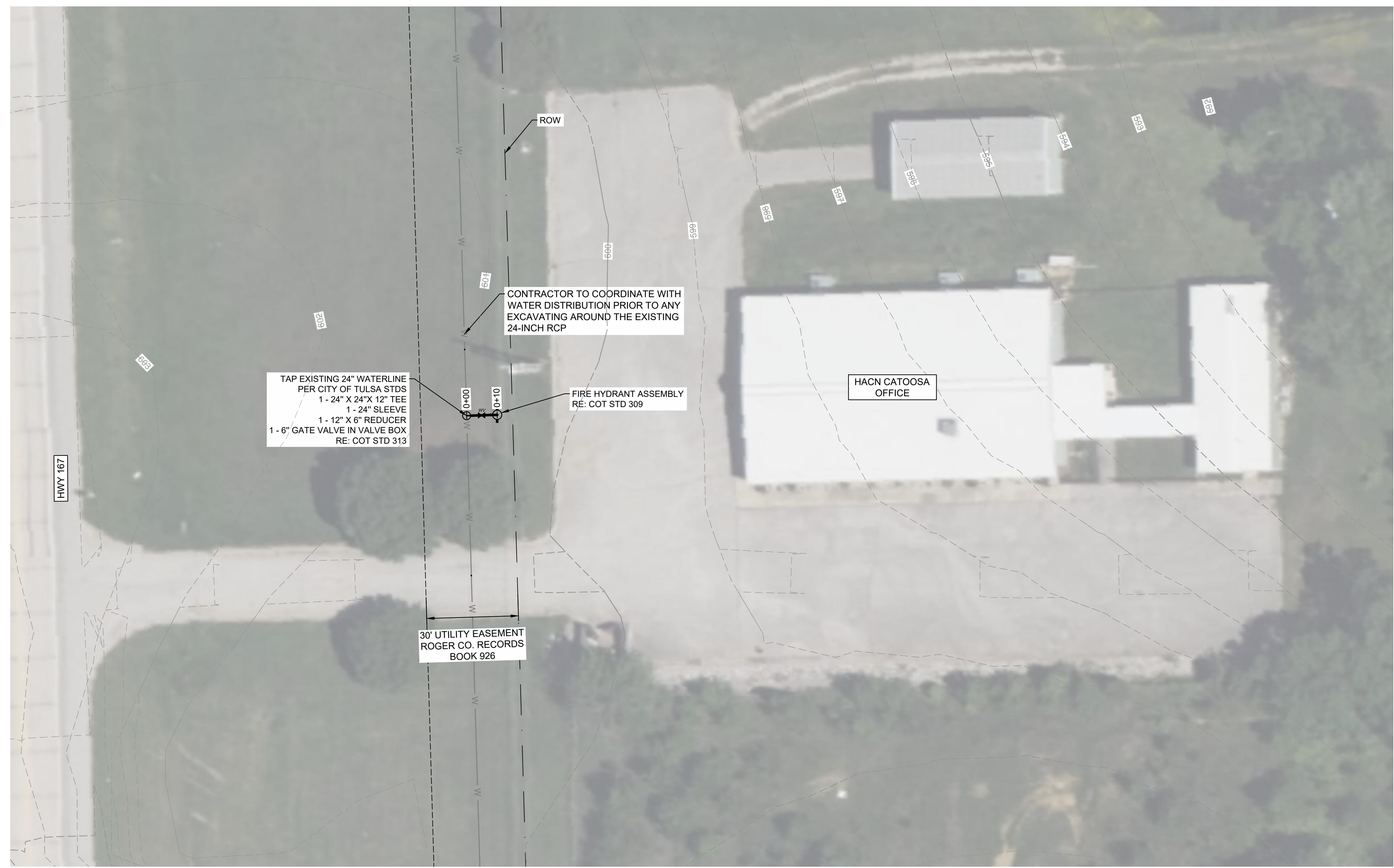
HACN CATOOSA FIRE HYDRANT

2871 OK-167 CATOOSA, OK 74015

DATE	6/6/2023
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REV	DESCRIPTION	DATE
1	IDP 2ND SUBMITTAL	05/12/2023

PROJECT NO.	2340155
SHEET NAME	WATER MAIN PLAN & PROFILE
SHEET NO.	WM01



1 WATERLINE PROFILE
 HORZ: 1" = 20'
 VERT: 1" = 2'

**CITY OF TULSA
ATLAS PG 632**

6" D.I.P. C151 CLASS 50 (RESTRAINED)	10 LF
24" X 24" X 6" TEE	1 EA
24" SLEEVE	1 EA
12" X 6" REDUCER	1 EA
6" GATE VALVE IN VALVE BOX	1 EA
FIRE HYDRANT ASSEMBLY	1 EA

APPROVED - FOR IDP PERMIT ONLY
 MICHAEL LING, PE
 INFRASTRUCTURE DEVELOPMENT MANAGER
 CITY OF TULSA

- Waterline Notes**
- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE CITY OF TULSA, OKLAHOMA STANDARDS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY WORK ORDERS AND PERMITS FROM THE CITY OF TULSA, INCLUDING PROVISIONS OF BONDS AND INSURANCE AS REQUIRED.
 - AFTER CONSTRUCTION IS COMPLETE, ALL DISTURBED AREAS SHALL BE RESEDED ACCORDING TO CITY OF TULSA, OKLAHOMA SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING AREAS UNTIL GROWTH IS ESTABLISHED.
 - ALL FITTINGS AND VALVES SHALL BE POLYWRAPPED DUCTILE IRON OR CAST IRON.
 - THE CITY OF TULSA SHALL BE NOTIFIED 24 HOURS PRIOR TO TESTING OF ANY CHLORINATION.
 - TESTING, CHLORINATING, AND FLUSHING NOTES PERFORMED IN ACCORDANCE WITH GENERAL SPECIFICATIONS, SECTION 109.3.
 - TESTING AND CHLORINATION TO BE PERFORMED BY CITY OF TULSA.
 - THE CENTER OF THE LOWEST OUTLET OF A FIRE HYDRANT SHALL NOT BE LESS THAN 18 INCHES ABOVE THE SURROUNDING GROUND.
 - STONES FOUND IN THE TRENCH SHALL BE REMOVED FOR A DEPTH OF 6 INCHES BELOW THE BOTTOM OF THE PIPE.
 - THERE WILL BE NO FIRE, IRRIGATION OR DOMESTIC SERVICE CONNECTIONS MADE ON THIS WATER MAIN LINE PRIOR TO BEING TESTED, CHLORINATED AND RELEASED BY THE WATER CONSTRUCTION INSPECTION SUPERVISOR. ALL SERVICE CONNECTION PERMIT FEES MUST BE PAID AND A PERMIT ISSUED FROM THE PERMIT SERVICE CENTER BEFORE THESE TYPE OF CONNECTIONS CAN BE MADE.
 - ALL SALVAGED WATERLINE PARTS AND FITTINGS SHALL BE RETURNED TO CITY OF TULSA ENGINEERING SERVICES WEST YARD AT 23RD AND JACKSON.
 - RESTRAINED JOINTS SHALL BE PROVIDED ON 4" & LARGER WATERLINES AT ALL BENDS, TEES, AND FIRE HYDRANTS.
 - NO WATER SERVICE CONNECTIONS WILL BE ALLOWED UNDER IDP SCOPE OF WORK.
 - CITY CREWS ONLY ARE ALLOWED TO OPERATE VALVES.
 - WATER LINE TRENCH DETAIL FOR DUCTILE IRON PIPE: COT STD 304.
 - VALVE BOX DETAIL RE: COT STD 313.
 - THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS.
 - WATER OPERATIONS SHALL OPERATE ALL VALVES ON TRANSMISSION MAINS (16" AND LARGER). CONTRACTOR SHALL OPERATE ALL VALVES ON DISTRIBUTION MAINS (SMALLER THAN 16") WITH THE COORDINATION OF FIELD ENGINEERING AND WATER OPERATIONS AND IN THE PRESENCE OF A FIELD ENGINEERING INSPECTOR.
 - a. ATTEMPTS WILL BE MADE WITH ASSISTANCE FROM THE CONTRACTOR TO NOTIFY ALL AFFECTED CUSTOMERS 48-HOURS IN ADVANCE, PARTICULARLY IF COMMERCIAL OR INDUSTRIAL CUSTOMERS ARE INVOLVED. PRIOR TO SHUTDOWN, FIELD ENGINEERING WILL NOTIFY WATER OPERATIONS AT 918-596-9488, GIVING AN ESTIMATED DOWNTIME. WATER OPERATIONS WILL NOTIFY THE FIRE DEPARTMENT OF ALL FIRE HYDRANTS OUT OF SERVICE AND WHEN THEY AREA BACK IN SERVICE, BY STREET ADDRESS OR INTERSECTION.
 - b. WHERE COMMERCIAL, INDUSTRIAL OR CRITICAL CUSTOMERS ARE AFFECTED, AND FOR ALL LINES 16-INCH AND LARGER IN SIZE, FIELD ENGINEERING WILL REQUEST WATER OPERATIONS TO SHUT DOWN THE MAIN. THERE WILL BE A MINIMUM OF 48-HOUR NOTICE TO WATER OPERATIONS.

**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.

