

# SMOKE SHOP

## FARMINGTON, AR

### LARGE SCALE DEVELOPMENT

#### GENERAL NOTES TO CONTRACTOR

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
- EXISTING GRADE CONTOURS ARE AT ONE FOOT INTERVALS.
- PROPOSED CONTOURS ARE AT FINISH GRADE AND ARE AT ONE FOOT INTERVALS.
- PROPOSED SPOT ELEVATIONS ARE TOP OF FINISH CURB UNLESS OTHERWISE INDICATED OR SHOWN.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN.
- CONTRACTOR TO INSTALL MUD ABATEMENT ENTRANCES ANYWHERE PROPOSED STREETS ENTER EXISTING PUBLIC STREETS. ENTRANCE TO BE CONSTRUCTED A MIN. OF 50' IN LENGTH BY WIDTH OF PROPOSED STREET AND TO A DEPTH OF 8 INCHES.
- CONTRACTOR TO INSTALL EROSION CONTROL FENCING PRIOR TO BEGINNING ANY CONSTRUCTION. FENCING SHALL BE MAINTAINED & REPAIRED AS NECESSARY BY THE CONTRACTOR DURING CONSTRUCTION.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- CONTRACTOR SHALL ADJUST AND/OR NEATLY CUT EXISTING PAVEMENT TO ASSURE A SMOOTH FIT AND TRANSITION.
- ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3500 PSI.
- DAMAGE DURING CONSTRUCTION TO ANY EXISTING STRUCTURES TO REMAIN SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE.
- ALL MATERIALS AND CONSTRUCTION NOT UNDER THE JURISDICTION OF THE CITY OF FAYETTEVILLE OR WASHINGTON WATER AUTHORITY SHALL COMPLY WITH THE CITY OF FARMINGTON'S REQUIREMENTS. IN THE CASE OF CONFLICTS, THE CITY'S CRITERIA SHALL GOVERN.
- ALL SIDEWALKS AND HANDICAP RAMP SHALL BE BUILT TO THE CURRENT STANDARDS OF THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
- THE CITY OF FAYETTEVILLE WILL BE REVIEWING THIS PROJECT FOR WATER AND SEWER SERVICE AS IT IS LOCATED WITHIN THE JURISDICTION OF THE CITY OF FAYETTEVILLE PER OUR RECORDS.
- SANITARY SEWER SYSTEM MUST BE INSTALLED, INSPECTED, TESTED, AND CERTIFIED PER ALL CITY OF FAYETTEVILLE STANDARD SPECIFICATIONS FOR INSTALLATION OF SEWER LINES.
- NO WORK ON THE SEWER LINES SHOULD TAKE PLACE UNTIL PLANS ARE APPROVED, MATERIAL SUBMITTALS ARE REVIEWED AND APPROVED, AND A PRECONSTRUCTION CONFERENCE HAS OCCURRED AT THE CITY OF FAYETTEVILLE.
- THIS PROJECT MUST MEET OR EXCEED THE CITY OF FAYETTEVILLE, ARKANSAS STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF WATER LINES AND SEWER LINES, 2017 EDITION.

#### REFERENCE DOCUMENTS:

- PLAT OF SURVEY FILED AS STATE SURVEY DOCUMENT #201803086491
- PLAT OF SURVEY FILED AS STATE SURVEY DOCUMENT #004154
- PLAT OF SURVEY FILED IN BOOK L AT PAGE 461
- PLAT OF SURVEY FILED IN BOOK 2000 AT PAGE 23369
- PLAT OF SURVEY FILED IN BOOK 2007 AT PAGE 2052
- PLAT OF SURVEY PREPARED BY BATES & ASSOCIATES, DATED: 06/16/09, PROJECT #09-130, FOR LINDSEY & ASSOCIATES
- PLAT OF SURVEY PREPARED BY BLEW, BATES & ASSOCIATES, DATED: 08/30/06, PROJECT #06-837, FOR JANA SCHAFER
- PLAT OF SURVEY FILED IN BOOK FR1 AT PAGE 192
- PLAT OF SURVEY FILED IN BOOK G AT PAGE 275
- PLAT OF SURVEY PREPARED BY BLEW LAND SURVEYING, DATED: 03/10/04, PROJECT #04-121, FOR WACO TITLE
- PLAT OF SURVEY PREPARED BY BLEW & ASSOCIATES, DATED: 04/05/95, PROJECT #2870, FOR AHRENT
- PLAT OF SURVEY FILED IN BOOK L AT PAGE 214
- PLAT OF SURVEY FILED IN BOOK N AT PAGE 464
- PLAT OF SURVEY FILED IN BOOK L AT PAGE 593
- REPLAT OF BRACH VISTA SUBDIVISION FILED IN BOOK 11 AT PAGE 79
- PLAT OF SURVEY FILED IN BOOK 94 AT PAGE 37232
- PLAT OF SURVEY FILED IN BOOK 2001 AT PAGE 171507
- PLAT OF SURVEY FILED IN BOOK 2023 AT PAGE 23349
- PLAT OF SURVEY FILED IN BOOK 2004 AT PAGE 24337
- PLAT OF SURVEY FILED IN BOOK A AT PAGE 143
- RIGHT-OF-WAY MAP OF FARMINGTON - HWY 71 BYPASS, JOB 4705 SEC 2 DP F-042-1(1)
- PLAT OF SURVEY FILED IN BOOK 1 AT PAGE 244
- PLAT OF SURVEY FILED AS STATE SURVEY DOCUMENT #15510
- EXISTING WARRANTY DEED FILED IN BOOK 2004 AT PAGE 47008
- EXISTING QUITCLAIM DEED FILED IN BOOK 2024 AT PAGE 26462
- EXISTING WARRANTY DEED FILED IN BOOK 2007 AT PAGE 24217
- EXISTING WARRANTY DEED FILED IN BOOK 2024 AT PAGE 3303
- EXISTING WARRANTY DEED FILED IN BOOK 934 AT PAGE 935
- EXISTING WARRANTY DEED FILED IN BOOK 2015 AT PAGE 8355
- EXISTING BENEFICIARY DEED FILED IN BOOK 2022 AT PAGE 26139
- EXISTING WARRANTY DEED FILED IN BOOK 2016 AT PAGE 7514
- EXISTING WARRANTY DEED FILED IN BOOK 2017 AT PAGE 35781
- EXISTING LIMITED WARRANTY DEED FILED IN BOOK 2000 AT PAGE 85051
- EXISTING QUITCLAIM DEED FILED IN BOOK 2006 AT PAGE 42886
- EXISTING WARRANTY DEED FILED IN BOOK 2017 AT PAGE 39134
- EXISTING WARRANTY DEED FILED IN BOOK 2018 AT PAGE 2551
- EXISTING WARRANTY DEED FILED IN BOOK 2018 AT PAGE 4595
- EXISTING WARRANTY DEED FILED IN BOOK 2024 AT PAGE 5195
- EXISTING WARRANTY DEED FILED IN BOOK 2024 AT PAGE 6547
- COMMITMENT FOR TITLE INSURANCE FILE NO. 24-6567 AND ALL OF THE DOCUMENTS CONTAINED THEREIN
- CERTIFIED LAND CORNER RESTORATION PERPETUATION AND FILING RECORD #2066
- CERTIFIED LAND CORNER RESTORATION PERPETUATION AND FILING RECORD #15510

#### OWNERSHIP OF DOCUMENTS

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICES, IS THE PROPERTY OF BATES & ASSOCIATES, INC., AND IS NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF BATES & ASSOCIATES, INC.

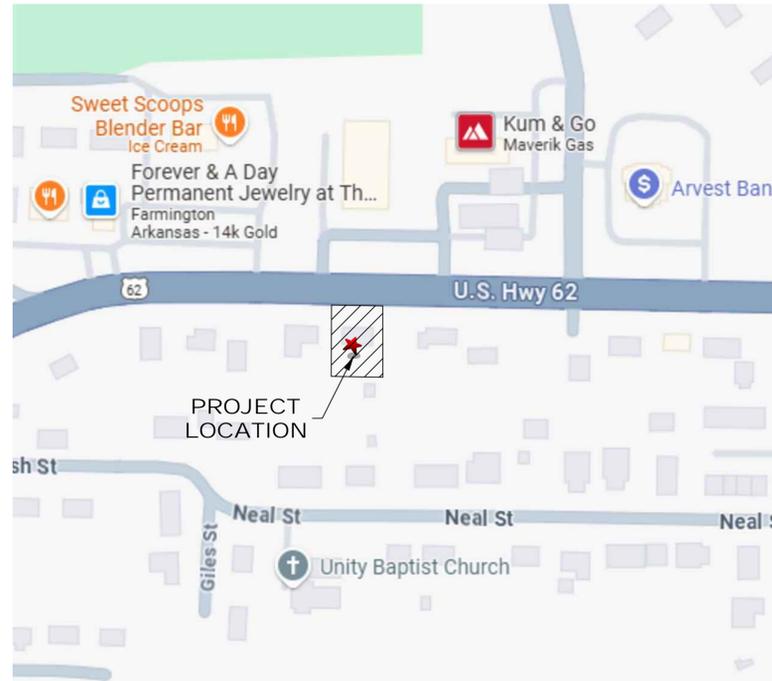
#### SAFETY NOTICE TO CONTRACTOR

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN OR NEAR THE CONSTRUCTION SITE.

#### ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE DRAWINGS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE DRAWINGS AND WE ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OF THEIR DEPICTED LOCATION ON THESE DRAWINGS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN, AND ALL OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS BY VERIFICATION OF THEIR LOCATION IN THE FIELD PRIOR TO THE INITIATION OF THE ACTUAL PORTION OF THEIR WORK.



VICINITY MAP  
N.T.S. NORTH

#### SURVEY DESCRIPTION:

A PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 16 NORTH, RANGE 31 WEST, WASHINGTON COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT: BEGINNING AT AN EXISTING COTTON PICKER SPINDLE ON THE SOUTH RIGHT-OF-WAY OF U.S. HIGHWAY #62 (EAST MAIN STREET) WHICH IS N87°48'06"W 306.67' AND S01°50'22"W 35.79' FROM THE NORTHEAST CORNER OF SAID FORTY ACRE TRACT AND RUNNING THENCE S01°50'22"W 131.08' TO AN EXISTING REBAR ON THE NORTH LINE OF SURVEY FILED IN BOOK 2018 AT PAGE 4592, THENCE ALONG SAID NORTH SURVEY LINE AND ITS EXTENSION N87°50'08"W 96.80', THENCE LEAVING THE EXTENSION OF SAID NORTH SURVEY LINE N02°08'41"E 131.43' TO AN EXISTING REBAR ON THE SOUTH RIGHT-OF-WAY OF U.S. HIGHWAY #62 (EAST MAIN STREET), THENCE ALONG SAID RIGHT-OF-WAY S87°37'42"E 96.10' TO THE POINT OF BEGINNING, CONTAINING 0.29 ACRES, MORE OR LESS. SUBJECT TO THAT PORTION IN EAST MAIN STREET MASTER STREET PLAN RIGHT-OF-WAY ON THE NORTH SIDE OF HEREIN DESCRIBED TRACT AND SUBJECT TO ALL OTHER EASEMENTS AND RIGHTS-OF-WAY OF RECORD.

#### FLOOD CERTIFICATION:

NO PORTION OF THIS PROPERTY IS LOCATED WITHIN FLOOD ZONE "A" OR "AE" AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR WASHINGTON COUNTY, ARKANSAS. (FIRM PANEL #05143C0215G, DATED 01/25/2024)

#### BASIS OF ELEVATION:

ON-SITE NETWORK GPS OBSERVATION  
NAVD88 VERTICAL DATUM

#### PROPERTY ZONED:

C-2 (HIGHWAY COMMERCIAL)

#### BASIS OF BEARING:

GPS OBSERVATION - AR NORTH ZONE  
NAD83(2011) HORIZONTAL DATUM

#### WETLANDS:

NO MARKERS DELINEATING ANY WETLANDS WERE OBSERVED.

REVIEW OF THESE PLANS IS LIMITED TO GENERAL COMPLIANCE WITH CITY CODES AND REGULATIONS AND DOES NOT WARRANT THE ENGINEER'S DESIGN OR RELIEVE THE DEVELOPER OF ANY REQUIREMENTS, EVEN IF ERRORS, OMISSIONS, OR ANY INADEQUACIES ARE DISCOVERED AFTER PLAN APPROVAL. THE CITY'S REQUIREMENTS SHALL GOVERN OVER ANY CONFLICTS WITH THE PLANS OR SPECIFICATIONS. ANY CONDITIONS DETERMINED IN THE FIELD WHICH REQUIRE CHANGES SHALL BE SUBJECT TO FURTHER REVIEW AND CORRECTIVE ACTION.

#### CONTACT INFORMATION

PLANNING & ZONING: MELISSA MCCARVILLE  
CITY BUSINESS MANAGER  
354 WEST MAIN  
FARMINGTON, AR 72730  
PHONE: (479)267-3865

WATER/SEWER: CITY OF FAYETTEVILLE  
CORY GRANDSON  
125 W. MOUNTAIN AVE.  
FAYETTEVILLE, AR 72701  
PHONE: (479) 444-3415

PUBLICWORKS: FLOYD SHELLEY  
PUBLIC WORKS DIRECTOR  
380 BROYLES  
FARMINGTON, AR 72730  
PHONE: (479)267-3865

GAS: SOURCE GAS  
655 E. MILLSAP RD.  
FAYETTEVILLE, AR 72701  
PHONE: (800)563-0012

FIRE DEPT: BILL HELLARD  
FIRE CHIEF  
372 WEST MAIN  
P.O. BOX 150  
FARMINGTON, AR 72730  
PHONE: (479)267-3338

ELECTRIC: OZARK ELECTRIC  
3641 W. WEDINGTON DR  
FAYETTEVILLE, AR 72704  
PHONE: (800) 521-6144

WASTE: WASTE MANAGEMENT SYSTEMS  
11979 ARBOR ACRES RD  
FAYETTEVILLE, AR 72701  
PHONE: (800)443-5558

TELEPHONE: PRAIRIE GROVE TELEPHONE CO  
139 MOCK ST  
PRAIRIE GROVE, AR 72753  
PHONE: (479)267-7200

#### INDEX OF DRAWINGS

|           |                                |
|-----------|--------------------------------|
| C01       | COVER SHEET                    |
| SU01      | BOUNDARY SURVEY + DEMO         |
| SP01      | SITE PLAN                      |
| UT01      | UTILITY PLAN                   |
| GP01-GP02 | GRADING & EROSION CONTROL PLAN |
| L1.0-L1.2 | LANDSCAPE PLAN                 |
| DT01-DT03 | SITE DETAILS                   |

PARCEL NUMBER: 760-01477-000  
PROJECT SITE ADDRESS: 73 E MAIN ST  
FARMINGTON, AR  
ZONING CLASSIFICATION: C-2  
PROPOSED USE: COMMERCIAL  
TOTAL SITE AREA: 0.29 ACRES +/-  
OWNER/DEVELOPER: TIM LEE  
REPRESENTATIVE: BRIAN SHINALL  
BSHINALL@SHINALLGROUP.COM  
ENGINEER/SURVEYOR: BATES & ASSOCIATES, INC.  
7230 S. PLEASANT RIDGE DR.  
FAYETTEVILLE, AR 72703  
PHONE: (479) 442-9350

#### LEGEND

| PROPOSED | EXISTING | DESCRIPTION            |
|----------|----------|------------------------|
| AE       |          | ACCESS EASEMENT        |
|          |          | ASPHALT                |
|          |          | BUILDING               |
|          |          | CANOPY                 |
|          |          | CENTERLINE             |
|          |          | CONCRETE               |
| 1318     | 1320     | CONTOURS (DX)          |
| 1318     | 1320     | CONTOURS (INT)         |
|          |          | CURB & GUTTER          |
| DE       |          | DRAINAGE EASEMENT      |
| UE       | UE       | EASEMENT (UTILITY)     |
| UGE      | UGE      | ELECTRIC (UNDERGROUND) |
| OHE      | OHE      | ELECTRIC (OVERHEAD)    |
| //       | X        | FENCE                  |
|          | FO       | FIBER OPTIC            |
|          |          | FIRE STRIPING          |
|          |          | FLOWLINE               |
| FM       | FM       | FORCEMAIN              |
|          | GAS      | GAS MAIN               |
|          |          | GRAVEL                 |
|          |          | GREENSPACE             |
| LB       |          | LANDSCAPE BUFFER       |
|          |          | LIGHT                  |
|          |          | POWER POLE             |
|          |          | PROPERTY LINE          |
|          |          | RETAINING WALL         |
| R/W      | R/W      | RIGHT OF WAY           |
|          |          | SANITARY SEWER MH      |
| SSV      | SSV      | SERVICE - SEWER        |
| WS       | WS       | SERVICE - WATER        |
|          | SS       | SEWER                  |
|          |          | SIDEWALK               |
|          |          | SIGN                   |
| SF       |          | SILT FENCE             |
|          |          | STORM BOX              |
|          |          | STORM PIPE             |
|          |          | TRUNCATED DOME         |
|          | W        | WATER                  |
|          |          | WETLANDS               |

ENGINEER: G. BATES  
DRAWN BY: K. HANEY

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
G. BATES  
BATES & ASSOCIATES, INC.  
#335  
ARKANSAS ENGINEER

07-10-2025

CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#335  
ARKANSAS ENGINEER

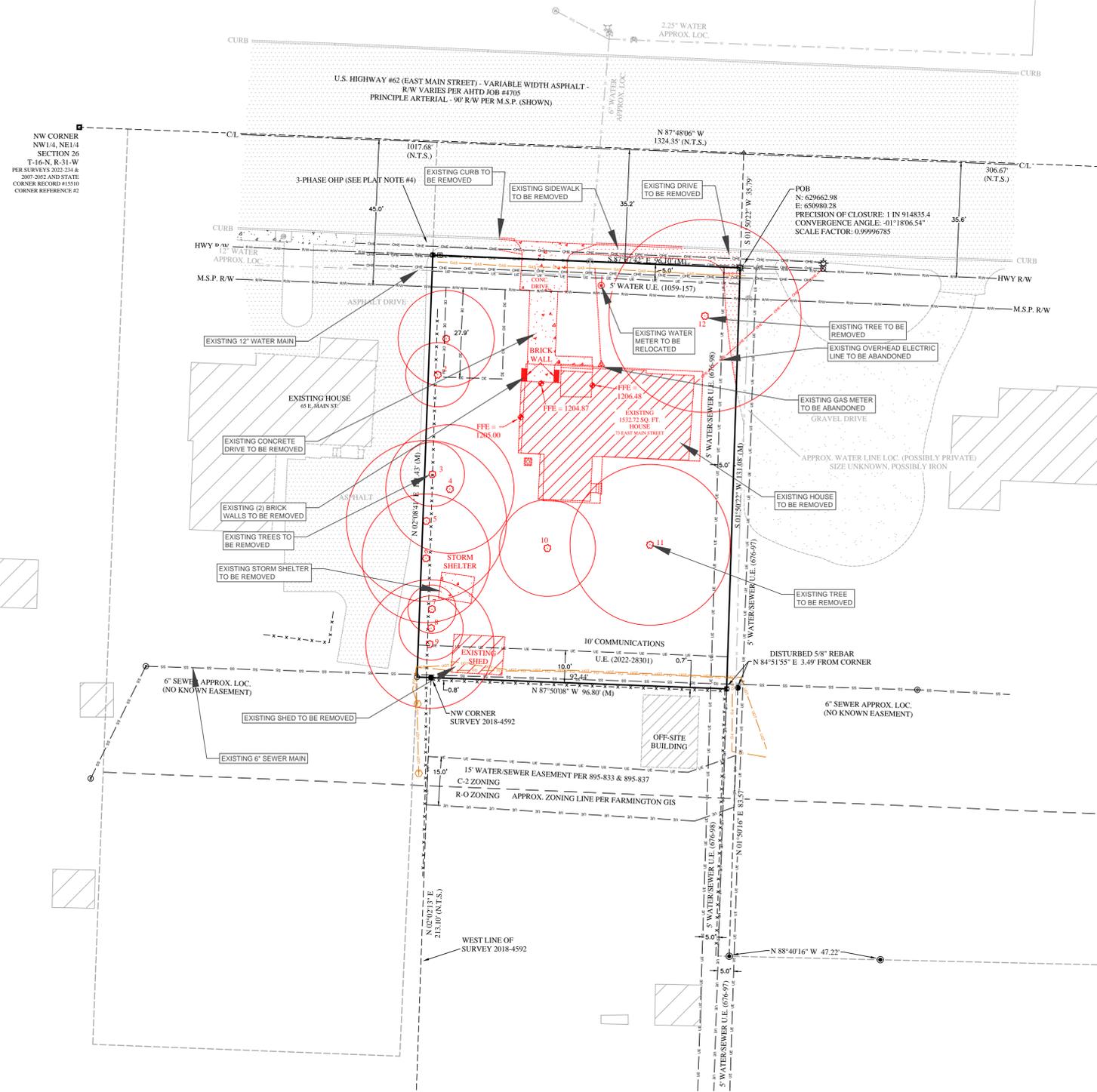
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| REVISIONS     | DATE     |
|---------------|----------|
| 1st Submittal | 04/27/25 |
| 2nd Submittal | 05/13/25 |
| 3rd Submittal | 06/09/25 |
| 4th Submittal | 06/19/25 |
| 5th Submittal | 07/02/25 |
| 6th Submittal | 07/09/25 |
| 7th Submittal | 07/10/25 |

SMOKE SHOP  
LARGE SCALE DEVELOPMENT  
COVER SHEET  
FARMINGTON, ARKANSAS

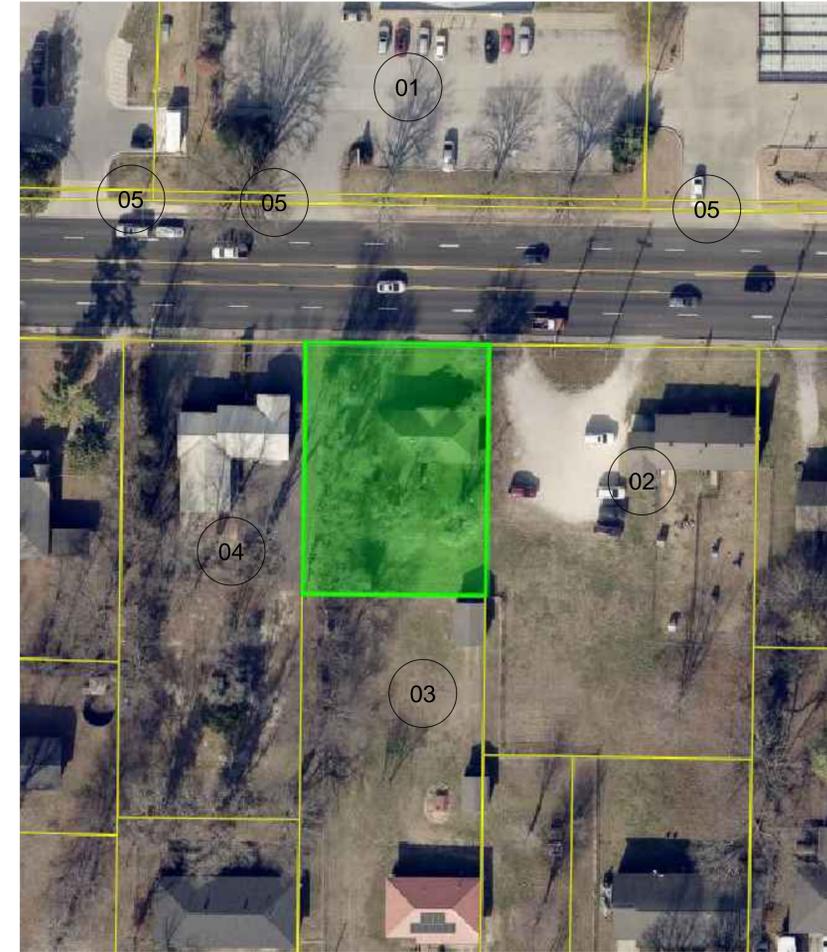
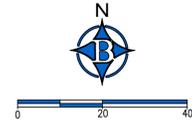
**BATES**  
Engineers - Surveyors  
7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
PH: (479) 442-9350 / lbatesnwa.com

PROJECT NO: 24-331  
DRAWING NO: C01



NW CORNER  
NW1/4, NE1/4  
SECTION 26  
T-16-N, R-31-W  
PER SURVEYS 2002-234 &  
2007-202 AND STATE  
CORNER RECORD #15510  
CORNER REFERENCE #2

**CITY NOTE:**  
ALL WORK WITHIN THE CITY OF FARMINGTON RIGHT OF WAY SHALL  
COMPLY WITH THE CITY OF FARMINGTON STANDARDS AND WILL  
REQUIRE INSPECTION BY THE CITY OF FARMINGTON.



**ADJACENT PROPERTY OWNERS:**  
01) MEBFI-DG FARMINGTON LLC  
PO BOX 3546  
LITTLE ROCK, AR 72203  
PARCELS #760-01381-000  
ZONED: C-2

02) BENISH, NATHAN M & HILLARY  
12445 W ERVAN BEEKS RD  
FARMINGTON, AR 72730  
PARCELS #760-01506-000  
ZONED: C-2 & R-O

03) HARDING, WILLIAM R  
72 E NEAL ST  
FARMINGTON, AR 72730  
PARCELS #760-01498-000  
ZONED: C-2 & R-O

04) CHICK PROPERTIES LLC  
PO BOX 258  
FARMINGTON, AR 72730  
PARCELS #760-01492-000  
ZONED: C-2 & R-O

05) ARKANSAS STATE HIGHWAY COMMISSION  
PO BOX 2261  
LITTLE ROCK, AR 72203-2261  
PARCELS #760-01384-000, 760-01382-000, 760-01378-100  
ZONED: R-2

ENGINEER: G. BATES  
DRAWN BY: K. HANEY

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
GREGORY H. BATES

07-10-2025

CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#335  
ARKANSAS ENGINEER

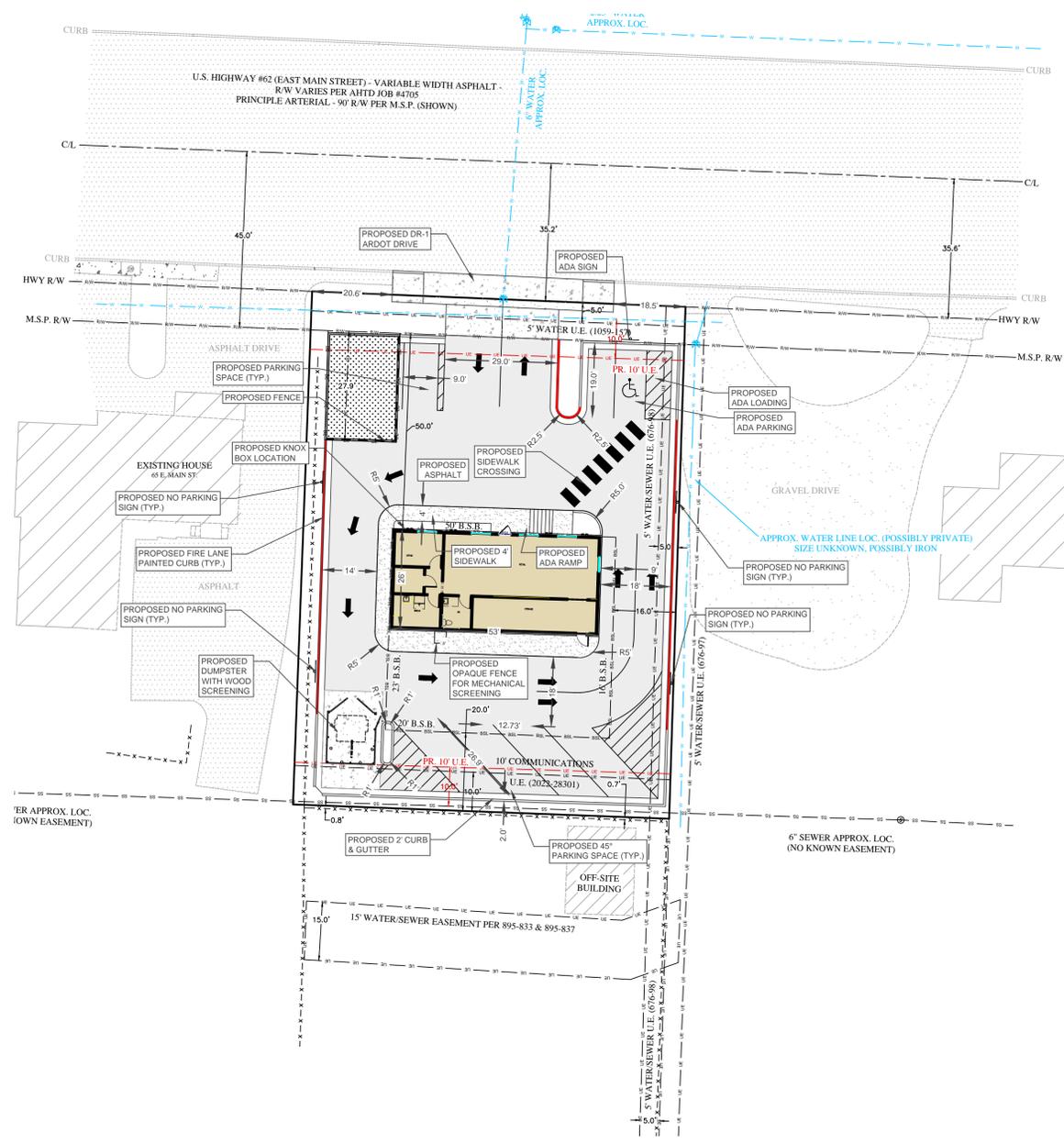
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SMOKE SHOP  
LARGE SCALE DEVELOPMENT  
BOUNDARY SURVEY & DEMO  
FARMINGTON, ARKANSAS

**BATES**  
Engineers • Surveyors  
7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
PH: (479) 442-9350 / lbatesnwa.com

PROJECT NO: 24-331  
DRAWING NO: SU01



**CITY NOTE:**  
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**BUILDING SETBACKS**

FRONT 50FT\* - SHOWN ADJACENT AND PARALLEL TO THE MASTER STREET PLAN R/W OF E. MAIN STREET

SIDE 25FT

REAR 20FT

**PARKING REQUIREMENTS**

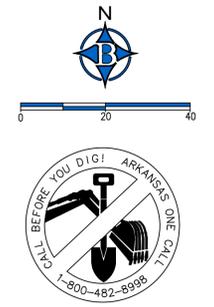
OFFICE: 1 SPACE PER 300 SQUARE FEET OF COMMERCIAL FLOOR SPACE  
 NET FLOOR ARE: 1,371  
 CALCULATION: 1,371/300= 4.57 (5) SPACES REQUIRED

SPACES REQUIRED: 5 SPACES  
 SPACES PROVIDED: 6 SPACES  
 ADA SPACES REQUIRED: 1 SPACES  
 ADA SPACES PROVIDED: 1 SPACES

TOTAL SPACES: 7 SPACES

**OPEN SPACE:**

GROSS AREA: 11,721.98 SQ.FT.  
 GREENSPACE: 1,191.86 SQ.FT.(10%)  
 IMPERVIOUS AREA: 10,530.12 SQ.FT.(90%)



ENGINEER: G. BATES

DRAWN BY: K. HANEY

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9810  
 JOSEPH H. BATES

07-10-2025

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 ARKANSAS ENGINEER

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| 5th. Submittal | 07/09/25 |
| S.I. Submittal | 07/10/25 |

SMOKE SHOP  
 LARGE SCALE DEVELOPMENT  
 SITE PLAN  
 FARMINGTON, ARKANSAS

**BATES**  
 Engineers • Surveyors

7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 / lbatesnwa.com

PROJECT NO: 24-331

DRAWING NO: SP01

**GENERAL UTILITY NOTES:**

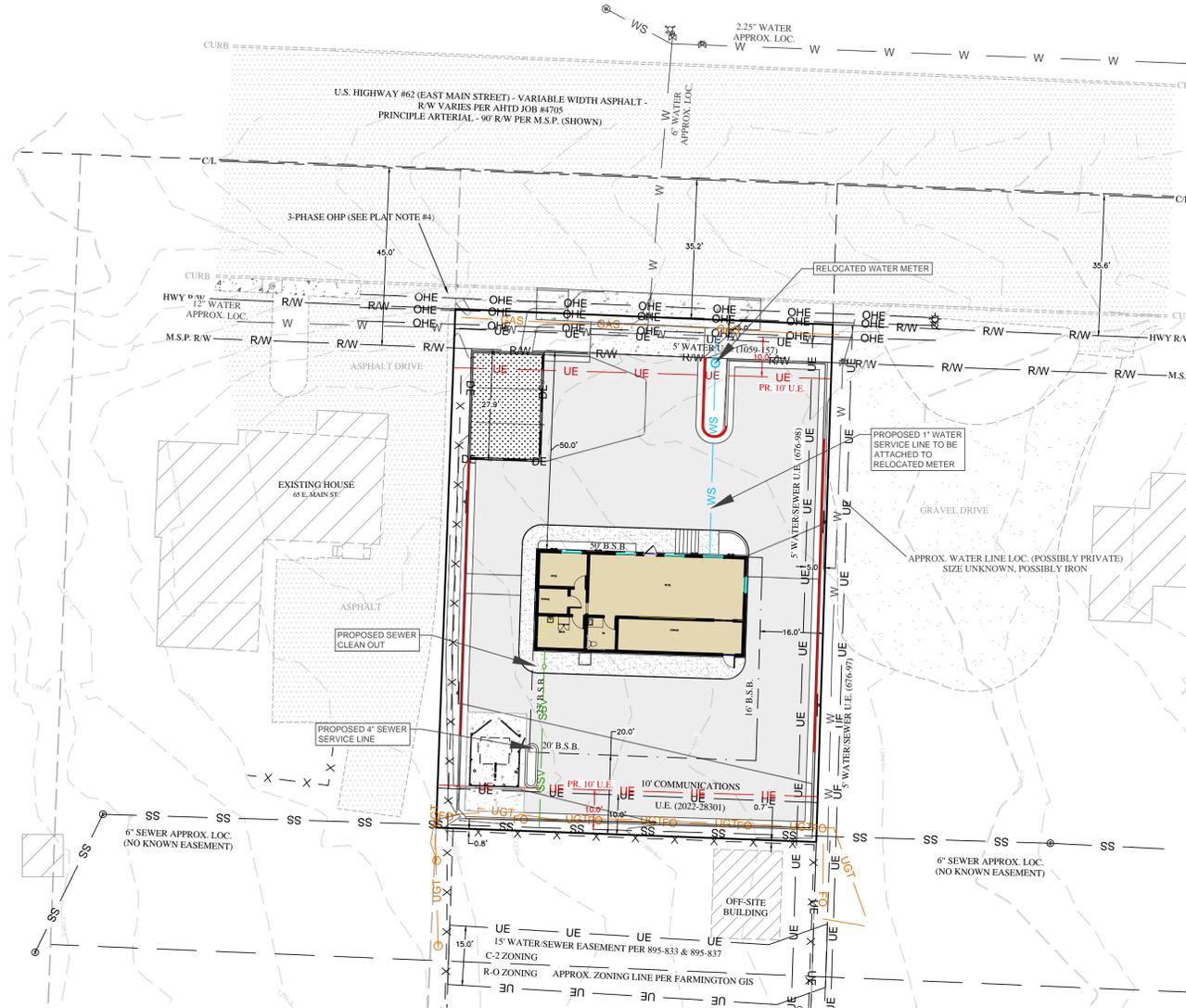
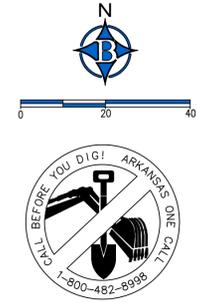
1. ALL EXISTING UTILITIES BELOW 12KV SHALL BE RELOCATED UNDERGROUND. ALL INSTALLED UTILITIES SHALL BE LOCATED UNDERGROUND.
2. ALL CONDUITS PLACED BY CONTRACTOR MUST HAVE 48" OF COVER AT FINAL GRADE AND MARKED WITH POST TO IDENTIFY THE END OF CONDUITS. THERE MUST BE A MINIMUM SEPARATION OF 12" BETWEEN CONDUITS FOR ELECTRIC AND CONDUITS FOR OTHER UTILITIES.
3. DAMAGE TO OR RELOCATION OF EXISTING UTILITIES SHALL BE AT THE DEVELOPER'S EXPENSE.
4. ALL METER LOCATIONS AND BACKFLOW PREVENTION MUST BE APPROVED THE FAYETTEVILLE WATER DEPARTMENT.
5. NOTIFY THE CITY OF FARMINGTON AND CITY ENGINEERING CONSULTANT (MWV) IN ADVANCE OF PERFORMING WORK IN THE RIGHT OF WAY OR PUBLIC INFRASTRUCTURE.
6. CONNECTION OF WATER AND SEWER SERVICES MUST BE COORDINATED WITH THE FAYETTEVILLE WATER DEPARTMENT.
7. EXISTING UTILITY SERVICES WILL BE USED WHERE FEASIBLE.

**WATER NOTES:**

1. 2022 STANDARD WATER & SEWER SPECIFICATIONS & DETAILS APPLY. (DOCUMENT AVAILABLE AT WWW.FAYETTEVILLE-AR.GOV/DOCUMENTCENTER/VIEW/26733/2022-FAY-WATER-AND-SEWER-SECIFICATIONS)
2. PRIOR TO OBTAINING A TEMPORARY WATER METER FOR TESTING OR SERVICE OFF OF A CONTRACTOR INSTALLED NEW MAIN, THE FOLLOWING ITEMS MUST BE PERFORMED OR PROVIDED TO THE SATISFACTION OF THE ENGINEERING DEPARTMENT:
  - THERE ARE NO OUTSTANDING ISSUES WITH SITE REQUIREMENTS OR OUTSTANDING EROSION CONTROL VIOLATIONS.
  - THE STRUCTURE MUST BE CONNECTED TO PUBLIC SANITARY SEWER
  - THE PROJECT IS READY FOR TEMPORARY CERTIFICATE OF OCCUPANCY (TCO). IF NOT, THE METER WILL BE INSTALLED TO ALLOW FOR TESTING ONLY AND TURNED OFF UNTIL THE TCO IS ISSUED.
  - SERVICE TAPS ON EXISTING MAINS SHALL BE MADE BY THE CITY, AND FEES PAID BY OWNER.

**CITY NOTE:**

ALL WORK WITHIN THE CITY OF FARMINGTON RIGHT OF WAY SHALL COMPLY WITH THE CITY OF FARMINGTON STANDARDS AND WILL REQUIRE INSPECTION BY THE CITY OF FARMINGTON.



**WATERLINE LEGEND**

|                       |  |
|-----------------------|--|
| 4 WAY                 |  |
| TEE                   |  |
| GATE VALVE            |  |
| FIRE HYDRANT          |  |
| THRUST BLOCK          |  |
| 90°                   |  |
| 45°                   |  |
| 22.50°                |  |
| 11.25°                |  |
| CAP/PLUG              |  |
| REDUCER               |  |
| FIRE DEPT. CONNECTION |  |
| BLOW OFF VALVE        |  |
| AIR RELEASE           |  |
| WATER METER           |  |
| IRRIGATION METER      |  |
| RPZ                   |  |

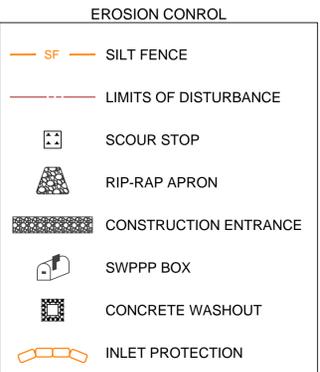
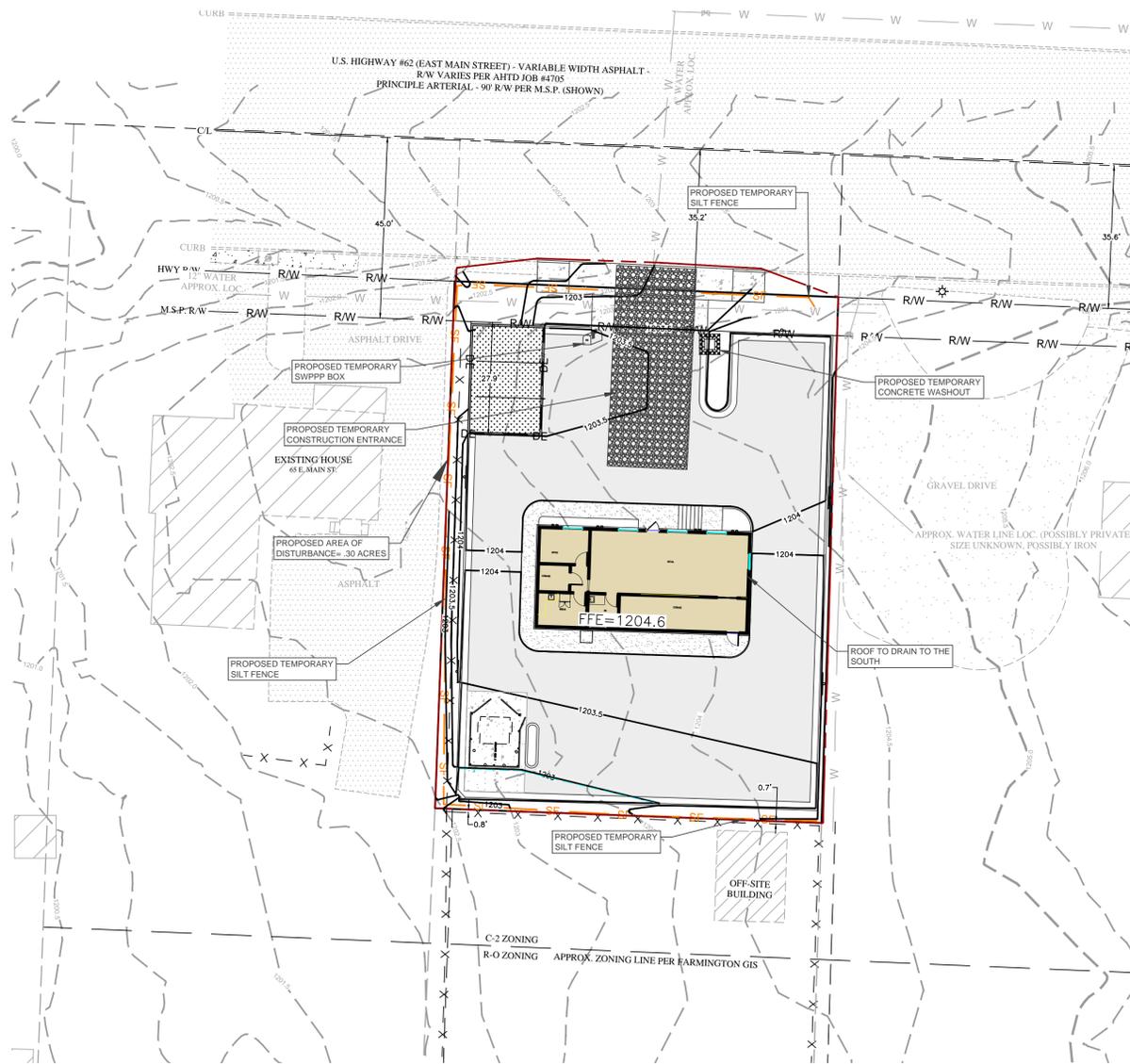
ENGINEER: G. BATES  
 DRAWN BY: K. HANEY  
 STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9810  
 JOSEPH H. BATES  
 07-10-2025  
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SMOKE SHOP  
 LARGE SCALE DEVELOPMENT  
 UTILITY PLAN  
 FARMINGTON, ARKANSAS

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**REVEGETATION NOTES:**  
REVEGETATION OF DISTURBED AREAS SHALL BE IN ACCORDANCE THE FOLLOWING:

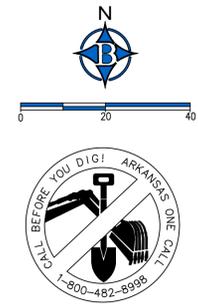
- PERMANENT IMPROVEMENTS. PERMANENT IMPROVEMENTS SUCH AS STREETS, STORM SEWERS, CURBS AND GUTTERS, AND OTHER FEATURES FOR CONTROL OF RUNOFF SHALL BE SCHEDULED COINCIDENTAL TO REMOVING VEGETATIVE COVER FROM THE AREA SO THAT LARGE AREAS ARE NOT LEFT EXPOSED BEYOND THE CAPACITY OF TEMPORARY CONTROL MEASURES.
- TOP SOIL. TOP SOIL SHALL BE STOCKPILED AND PROTECTED FOR LATER USE ON AREAS REQUIRING LANDSCAPING. IF TOP SOIL OR OTHER SOIL IS TO BE STOCKPILED FOR MORE THAN 30 DAYS, A TEMPORARY COVER OF ANNUAL RYE OR OTHER SUITABLE GRASS SHALL BE PLANTED.
- EXISTING VEGETATION. EVERY MEANS SHALL BE TAKEN TO CONSERVE AND PROTECT EXISTING VEGETATION.
- SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL RE-VEGETATION IS ESTABLISHED UNLESS OTHERWISE ALLOWED BY THE CITY.
- 4:1 TO 3:1 GRADE: THE SLOPE SHALL BE COVERED WITH LANDSCAPE FABRIC AND HYDRO-SEEDED WITH MULCH AND FERTILIZER, OR STAKED SOD, OR GROUND COVER. SAID PLANTING SHALL PROVIDE COMPLETE AND UNIFORM COVERAGE IN NO MORE THAN TWO GROWING SEASONS.

**CONSTRUCTION NOTES:**

1. ALL AREAS UNDER BUILDINGS AND PAVED AREAS SHALL BE STRIPPED OF TOPSOIL. THE RESULTING SUB GRADE SHALL BE THOROUGHLY COMPACTED. ANY SOFT OR YIELDING AREAS SHALL BE STABILIZED OR REMOVED AND REPLACED WITH SUITABLE MATERIAL.
2. FILL MATERIAL SHALL BE APPROVED BY THE ENGINEER. ALL FILL SHALL BE MADE IN LIFTS NOT EXCEEDING 8" THICKNESS WITH EACH LIFT COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL SLOPES SHALL NOT BE STEEPER THAN 3:1 SLOPE.
3. ALL GRADED AREAS SHALL HAVE 4" OF TOPSOIL, SOD, EROSION FABRIC, HERBACEOUS GROUND COVER, AND/OR HYDROSEEDED WITH A WARM SEASON GRASS. REVEGETATION SHALL BE IMMEDIATELY AFTER THE PHYSICAL ALTERATION OF THE LAND IS COMPLETE (MAXIMUM OF 15 DAYS).
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY GRADING REGULATIONS. SILT FENCES, BERMS, DETENTION PONDS, OR OTHER MEANS NEEDED TO MEET THE CITY GRADING REQUIREMENTS SHALL BE PROVIDED AS REQUIRED TO MEET THESE REGULATIONS.
5. ALL HEAVILY TRAVELED DIRT AREAS SHALL BE WETTED TO PREVENT EXCESSIVE DUST, DURING CONSTRUCTION.
6. ALL MUD/DIRT LEFT ON PUBLIC STREETS OR ADJACENT PROPERTIES AS A RESULT OF THIS CONSTRUCTION SHALL BE IMMEDIATELY SHOVELED OR SWEEPED AWAY UNTIL IT IS COMPLETELY REMOVED BY THE CONTRACTOR AND PLACED BACK ON THE SITE.
7. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE INSPECTED BY THE CITY OF FARMINGTON OR THEIR REPRESENTATIVE. 48 HOUR NOTICE IS REQUIRED FOR ALL INSPECTIONS.

**SEDIMENT & EROSION CONTROL NOTES:**

1. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FROM A.D.E.Q. AND CITY REGARDING RUNOFF, EROSION CONTROL, AND GRADING BEFORE BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL POST STORM WATER POLLUTION PREVENTION PLAN.
3. ALL EROSION & SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED AND OCCASIONALLY REPLACED THROUGHOUT THE CONSTRUCTION PROCESS.
4. ALL EROSION & SEDIMENT CONTROL DEVICES SHOWN SHALL BE INSTALLED BEFORE CONSTRUCTION BEGINS. THOSE ITEMS SHALL REMAIN IN PLACE UNTIL ALL EXCAVATION IS COMPLETE.
5. THE PROPERTY OWNER OR MAIN CONTRACTOR ONSITE WILL BE RESPONSIBLE FOR RESTORING ALL EROSION AND SEDIMENT CONTROL SYSTEMS AND PUBLIC INFRASTRUCTURE DAMAGE OR DISTURBED BY UNDERGROUND PRIVATE FRANCHISED UTILITY CONSTRUCTION SUCH AS WATER AND SEWER SERVICE LEADS, TELEPHONE, GAS, CABLE, ETC. EROSION AND SEDIMENT CONTROL SYSTEMS MUST BE IMMEDIATELY RESTORED AFTER EACH UTILITY CONSTRUCTION



ENGINEER: G. BATES  
DRAWN BY: K. HANEY

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 9810  
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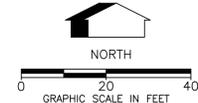
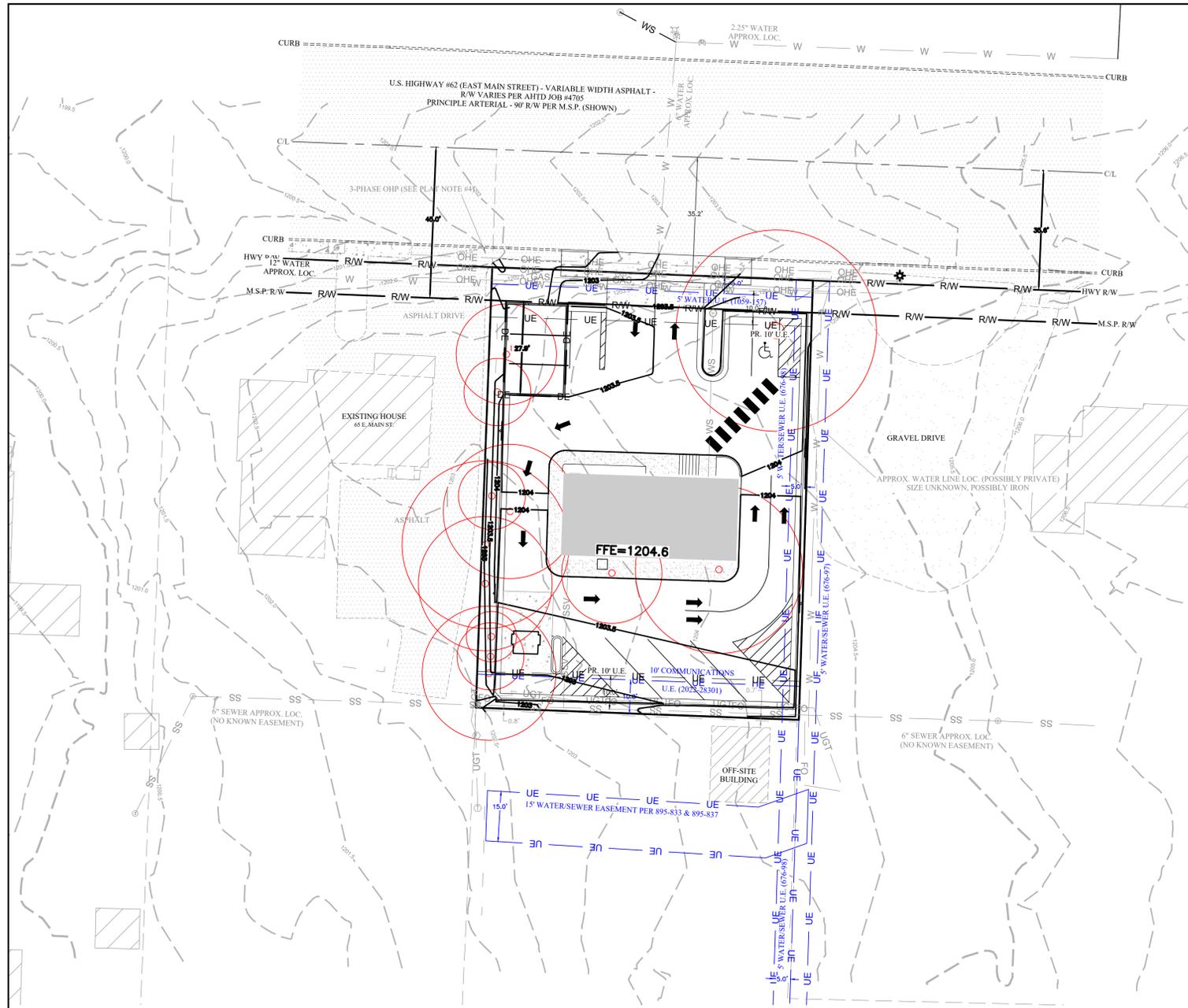
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SMOKE SHOP  
LARGE SCALE DEVELOPMENT  
EROSION CONTROL PLAN  
FARMINGTON, ARKANSAS

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PROJECT NO: 24-331  
DRAWING NO: GP02



**LEGEND**

- EXISTING TREE TO BE REMOVED
- LIMITS OF DISTURBANCE
- 1 FOOT EXISTING CONTOUR LINES
- 5 FOOT EXISTING CONTOUR LINES
- 1 FOOT PROPOSED CONTOUR LINES
- 5 FOOT PROPOSED CONTOUR LINES
- WATER LINE
- SANITARY SEWER LINE
- SANITARY SEWER LINE

**EXISTING TREE LIST**

| DBH     | SPECIES          | CANOPY | STATUS |
|---------|------------------|--------|--------|
| 1. 10"  | DOUBLE SYCAMORE  | 30'    | REMOVE |
| 2. 14"  | OAK              | 20'    | REMOVE |
| 3. 12"  | HACKBERRY        | 20'    | REMOVE |
| 4. 30"  | OAK              | 40'    | REMOVE |
| 5. 18"  | TRIPLE HACKBERRY | 50'    | REMOVE |
| 6. 14"  | DOUBLE HACKBERRY | 40'    | REMOVE |
| 7. 8"   | WINTER CREEPER   | 15'    | REMOVE |
| 8. 8"   | HACKBERRY        | 20'    | REMOVE |
| 9. 18"  | HACKBERRY        | 40'    | REMOVE |
| 10. 36" | ELM              | 30'    | REMOVE |
| 11. 30" | WINTER CREEPER   | 50'    | REMOVE |
| 12. 36" | ELM              | 60'    | REMOVE |

**TREE PROTECTION GENERAL NOTES**

- (A) PRIOR TO THE LAND CLEARING STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL CLEARLY MARK ALL PROTECTED TREES FOR WHICH A TREE REMOVAL PERMIT HAS NOT BEEN ISSUED AND SHALL ERECT BARRIERS FOR THE PROTECTION OF THE TREES ACCORDING TO THE FOLLOWING:
  - (1) AROUND AN AREA AT OR GREATER THAN A SIX-FOOT RADIUS OF ALL SPECIES OF MANGROVES AND PROTECTED CABBAGE PALMS;
  - (2) AROUND AN AREA AT OR GREATER THAN THE FULL DRIPLINE OF ALL PROTECTED NATIVE PINES;
  - (3) AROUND AN AREA AT OR GREATER THAN TWO-THIRDS OF THE DRIPLINE OF ALL OTHER PROTECTED SPECIES.
- (B) NO PERSON SHALL ATTACH ANY SIGN, NOTICE OR OTHER OBJECT TO ANY PROTECTED TREE OR FASTEN ANY WIRES, CABLES, NAILS OR SCREWS TO ANY PROTECTED TREE IN ANY MANNER THAT COULD PROVE HARMFUL TO THE PROTECTED TREE, EXCEPT AS NECESSARY IN CONJUNCTION WITH ACTIVITIES IN THE PUBLIC INTEREST.
- (C) DURING THE CONSTRUCTION STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE CLEANING OF EQUIPMENT OR MATERIAL WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DRIPLINE) OR ON THE NEARBY GROUND OF ANY TREE OR GROUP OF TREES WHICH IS TO BE PRESERVED. WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DRIPLINE) OF ANY TREE OR ON NEARBY GROUND, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT STORAGE OF BUILDING MATERIAL AND/OR EQUIPMENT, OR DISPOSAL OF WASTE MATERIAL SUCH AS PAINTS, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR OR ANY OTHER MATERIAL HARMFUL TO THE LIFE OF THE TREE.
- (D) NO PERSON SHALL PERMIT ANY UNNECESSARY FIRE OR BURNING WITHIN 30 FEET OF THE DRIPLINE OF A PROTECTED TREE.
- (E) ANY LANDSCAPING ACTIVITIES WITHIN THE BARRIER AREA SHALL BE ACCOMPLISHED WITH HAND LABOR.
- (F) PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY OR COMPLIANCE FOR ANY DEVELOPMENT, BUILDING OR STRUCTURE, ALL TREES DESIGNATED TO BE PRESERVED THAT WERE DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR WITH TREES OF EQUIVALENT DIAMETER AT BREAST HEIGHT TREE CALIPER AND OF THE SAME SPECIES AS SPECIFIED BY THE CITY OF FARMINGTON, BEFORE OCCUPANCY OR USE, UNLESS APPROVAL FOR THEIR REMOVAL HAS BEEN GRANTED UNDER PERMIT.
- (G) THE CITY OF FARMINGTON MAY CONDUCT PERIODIC INSPECTIONS OF THE SITE DURING LAND CLEARANCE AND CONSTRUCTION.

**CAUTION NOTICE TO CONTRACTORS**  
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.



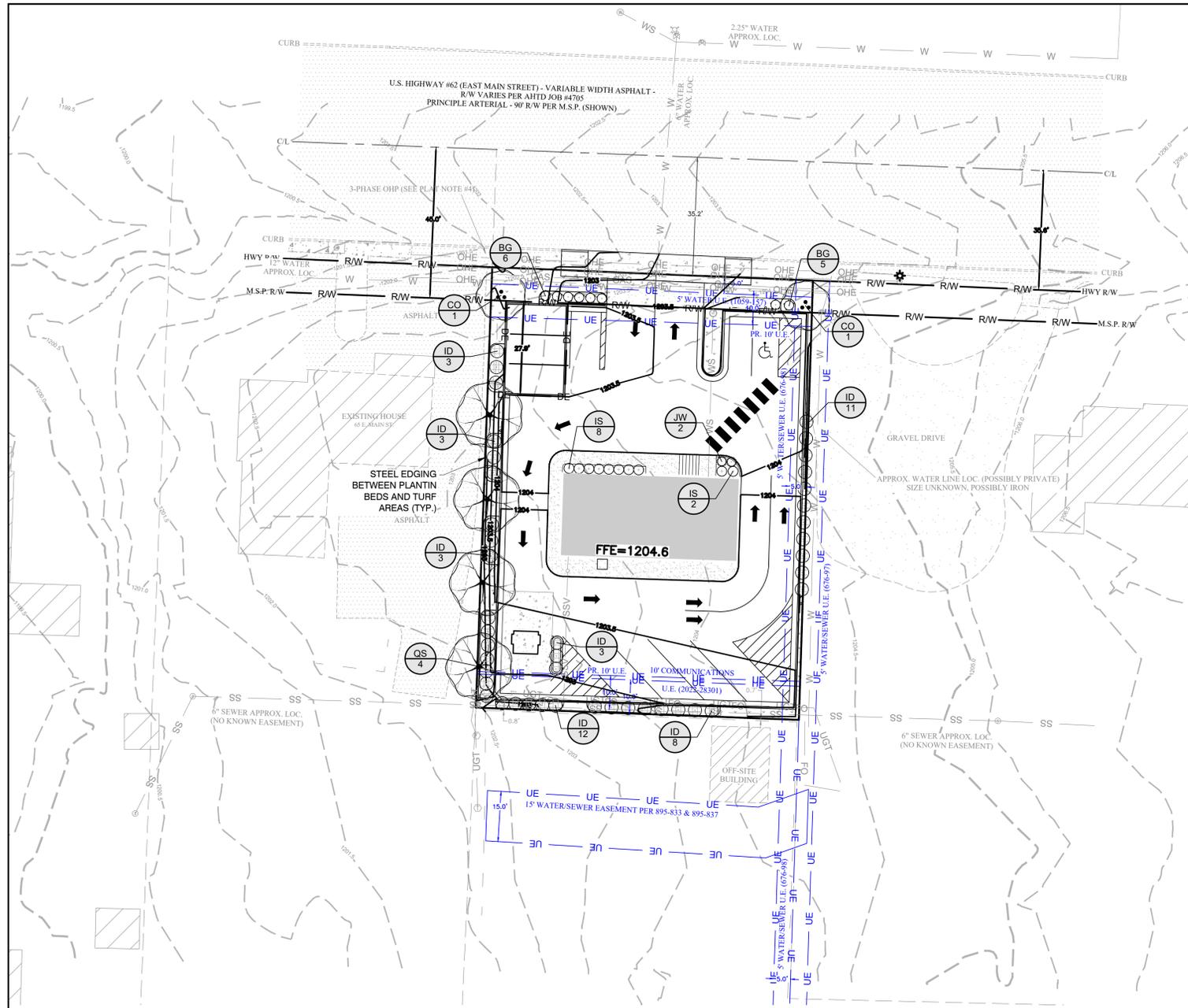
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| 4th Submittal           | 07/02/25 |

SMOKE SHOP  
 LARGE SCALE DEVELOPMENT  
 TREE PRESERVATION PLAN  
 FARMINGTON, ARKANSAS

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PROJECT NO: 24-331  
 DRAWING NO: L1.0



**LEGEND**

- XXXX ----- 1 FOOT EXISTING CONTOUR LINES
- XXXX ----- 5 FOOT EXISTING CONTOUR LINES
- XXXX ----- 1 FOOT PROPOSED CONTOUR LINES
- XXXX ----- 5 FOOT PROPOSED CONTOUR LINES
- W — W — WATER LINE
- SS — SS — SANITARY SEWER LINE
- UE — UE — UTILITY EASEMENT

**CITY LANDSCAPE REQUIREMENTS**

|                                |                                     |
|--------------------------------|-------------------------------------|
| TOTAL SITE AREA:               | 85,813 SF                           |
| <b>STREET BUFFER</b>           |                                     |
| E. MAIN ST.                    |                                     |
| FRONTAGE LENGTH:               | 66 LF                               |
| STREET TREES REQUIRED:         | 2 TREES (1 PER 30 LF OF FRONTAGE)   |
| STREET TREES PROVIDED:         | 2 TREES*                            |
| SHRUBS REQUIRED:               | 11 SHRUBS (5 PER 30 LF OF FRONTAGE) |
| SHRUBS PROVIDED:               | 11 SHRUBS PROVIDED                  |
| <b>SIDE PERIMETER BUFFER</b>   |                                     |
| 1 TREE AND 3 SHRUBS PER 35 LF  |                                     |
| WEST PERIMETER 131 LF          |                                     |
| 4 TREES AND 11 SHRUBS REQUIRED | 4 TREES AND 12 SHRUBS PROVIDED      |
| SOUTH PERIMETER 97 LF          |                                     |
| 3 TREES AND 8 SHRUBS REQUIRED  | 0 TREES AND 8 SHRUBS PROVIDED**     |
| EAST PERIMETER 131 LF          |                                     |
| 4 TREES AND 11 SHRUBS REQUIRED | 0 TREES AND 11 SHRUBS PROVIDED**    |
| <b>FOUNDATION PLANTINGS</b>    |                                     |
| 25% OF FRONTAGE LANDSCAPED     | 25% PROVIDED                        |
| <b>PARKING LOT LANDSCAPING</b> |                                     |
| N/A                            |                                     |

\*SMALLER TREES ARE BEING USED BECAUSE OF OVERHEAD UTILITY LINES  
 \*\*TREES CANNOT BE PLACED AT THE SOUTH OR EAST BECAUSE OF EXISTING UTILITIES AND UTILITY EASEMENTS

**LANDSCAPE GENERAL NOTES**

1. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO STARTING ANY WORK. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ARKANSAS ONE-CALL TO CONFIRM ALL UTILITIES.
2. ALL PLANTS MUST BE HEALTHY, VIGOROUS AND FREE OF PESTS AND DISEASE.
3. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
4. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED ON THE PLANT LIST.
5. ALL REQUIRED TREES SHALL BE 2.5" MINIMUM CALIPER, WITH A SINGLE DOMINATE CENTRAL LEADER. MULTI LEADERED TREES WILL NOT BE ACCEPTABLE WITHOUT PRIOR APPROVAL FROM PLANNING DEPARTMENT.
6. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED, UNLESS SPECIFIED OTHERWISE, AND MUST MEET ALL REQUIREMENTS SPECIFIED ON PLANS.
7. ALL TREES AND SHRUBS SHALL BE INSTALLED PER STANDARD CITY OF FARMINGTON PLANTING DETAILS.
8. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER CONSTRUCTION.
9. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED WITH A 3" LAYER OF ORGANIC HARDWOOD MULCH. MULCH SHALL BE NOT BE PLACED IMMEDIATELY ADJACENT TO TREE TRUNKS, BUT SHALL BE KEPT AT LEAST 3" FROM ROOT COLLAR AT THE SOIL LINE.
10. ALL PROPOSED PLANTING AREAS COVERED BY GRASS SHALL HAVE THE SOD COMPLETELY REMOVED BEFORE PLANTING BEGINS.
11. ALL PLANTING BEDS SHALL BE CONTAINED BY EDGING MATERIAL OTHER THAN VEGETATION.
12. ALL GROUND MOUNTED EQUIPMENT SHALL BE SCREEN WITH EVERGREEN PLANTING MATERIAL THAT WILL ATTAIN 24" WITH IN 12 MONTHS OF PLANTING.
13. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION AT NO COST TO THE OWNER.
14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
15. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING MATERIAL (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) IN ALL PLANTING AREAS AND LAWN AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
16. ALL PLANT MATERIAL SHALL BE PLANTED IN ACCORDANCE WITH CITY CODE AND SURVIVAL SHALL BE WARRANTED FOR 24 MONTHS FROM DATE OF INSTALLATION. IF ANY PLANT MATERIAL FAILS TO SURVIVE DURING THE 24 MONTHS PERIOD, IT SHALL BE REPLACED WITHIN THE TIME PERIOD REQUIRED BY CITY CODE.
17. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
18. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES PRIOR TO ANY PLANTING. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE CONSTRUCTION BEGINS.
19. ALL DISTURBED SHALL BE SODDED WITH 100% BERMUDA GRASS SOD
20. IRRIGATION SHALL BE EITHER AN UNDERGROUND AUTOMATIC SYSTEM OR SHALL UTILIZE HOSE BIBS EVERY 100'.
21. MAINTENANCE: THE CURRENT OWNER OF THE PROPERTY SHALL BE RESPONSIBLE FOR THE ONGOING MAINTENANCE OF REQUIRED LANDSCAPING.
22. REPLACEMENT LANDSCAPING: REQUIRED LANDSCAPING THAT DIES OR IS DAMAGED SHALL BE REMOVED AND REPLACED BY THE CURRENT OWNER OF THE PROPERTY. THE OWNER SHALL HAVE 60 DAYS FROM THE RECEIPT OF WRITTEN NOTICE ISSUED BY THE CITY TO REMOVE AND REPLACE ANY REQUIRED LANDSCAPING THAT DIES OR IS DAMAGED.

**PLANT SCHEDULE**

| SYMBOL               | CODE | BOTANICAL / COMMON NAME                                       | CALIPER   | ROOT         | HEIGHT   | QTY    |
|----------------------|------|---|-----------|--------------|----------|--------|
| <b>TREES</b>         |      |   |           |              |          |        |
|                      | CO   | Cercis canadensis texensis 'Oklahoma' / Oklahoma Texas Redbud | 2.5" Cal. | B&B or Cont. | 6' min.  | 2      |
|                      | QS   | Quercus shumardii / Shumard Red Oak                           | 2.5" Cal. | B&B or Cont. | 8' min.  | 4      |
| <b>SHRUBS</b>        |      |   |           |              |          |        |
|                      | BG   | Buxus x 'Green Mound' / Green Mound Boxwood                   | 3 gal     | Cont.        | 36" o.c. | 11     |
|                      | ID   | Ilex cornuta 'Dwarf Burford' / Dwarf Burford Holly            | 3 gal     | Cont.        | 48" o.c. | 43     |
|                      | IS   | Ilex vomitoria 'Schillings' / Schillings Holly                | 3 gal.    | Cont.        | 36" o.c. | 10     |
|                      | JW   | Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper          | 3 gal     | Cont.        | 36" o.c. | 2      |
| <b>GROUND COVERS</b> |      |   |           |              |          |        |
|                      | CT   | Cynodon dactylon 'Tif 419' / Bermuda Grass                    |           |              |          | 900 sf |

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# LANDSCAPE SPECIFICATIONS

## PART 1 - GENERAL

### DESCRIPTION

PROVIDE TREES, SHRUBS, GROUND COVERS, SOD, AND ANNUALS/PERENNIALS AS SHOWN AND SPECIFIED ON THE LANDSCAPE PLAN. THE WORK INCLUDES:

1. SOIL PREPARATION.
2. TREES, SHRUBS, GROUND COVERS, AND ANNUALS/PERENNIALS.
3. PLANTING MIXES.
4. TOP SOIL, MULCH AND PLANTING ACCESSORIES.
5. MAINTENANCE.

### QUALITY ASSURANCE

PLANT NAMES INDICATED, COMPLY WITH "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE LATEST EDITION OF THE AMERICAN JOINT COMMITTEE OF HORTICULTURAL NOMENCLATURE. NAMES OF VARIETIES NOT LISTED CONFORM GENERALLY WITH NAMES ACCEPTED BY THE NURSERY TRADE. PROVIDE STOCK TRUE TO BOTANICAL NAME AND LEGIBLY TAGGED.

COMPLY WITH SIZING AND GRADING STANDARDS OF THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" A PLANT SHALL BE DIMENSIONED AS IT STANDS IN ITS NATURAL POSITION.

ALL PLANTS SHALL BE NURSERY GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS.

NURSERY STOCK FURNISHED SHALL BE AT LEAST THE MINIMUM SIZE INDICATED. LARGER STOCK IS ACCEPTABLE. AT NO ADDITIONAL COST, AND PROVIDING THAT THE LARGER PLANTS WILL NOT BE CUT BACK TO SIZE INDICATED. PROVIDE PLANTS INDICATED BY TWO MEASUREMENTS SO THAT ONLY A MAXIMUM OF 25% ARE OF THE MINIMUM SIZE INDICATED AND 75% ARE OF THE MAXIMUM SIZE INDICATED.

BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL HAVE INVESTIGATED THE SOURCES OF SUPPLY AND BE SATISFIED THAT THEY CAN SUPPLY THE LISTED PLANTS IN THE SIZE, VARIETY AND QUALITY AS SPECIFIED. FAILURE TO TAKE THIS PRECAUTION WILL NOT RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITY FOR FURNISHING AND INSTALLING ALL PLANT MATERIALS IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS WITHOUT ADDITIONAL COST TO THE OWNER. THE LANDSCAPE ARCHITECT SHALL APPROVE ANY SUBSTITUTES OF PLANT MATERIAL, OR CHANGES IN PLANT MATERIAL SIZE, PRIOR TO THE LANDSCAPE CONTRACTOR SUBMITTING A BID.

### DELIVER, STORAGE AND HANDLING

TAKE ALL PRECAUTIONS QUARANTINE IN GOOD TRADE PRACTICE IN PREPARING PLANTS FOR MOVING. WORKMANSHIP THAT FAILS TO MEET THE HIGHEST STANDARDS WILL BE REJECTED. SPRAY DECIDUOUS PLANTS IN FOLIAGE WITH APPROVED "ANTI-DESICCANT" IMMEDIATELY AFTER DIGGING TO PREVENT DEHYDRATION. DIG, PACK, TRANSPORT, AND HANDLE PLANTS WITH CARE TO ENSURE PROTECTION AGAINST INJURY. INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT INVOICE OR ORDER TO STOCK. PROTECT ALL PLANTS FROM DRYING OUT. IF PLANTS CANNOT BE PLANTED IMMEDIATELY UPON DELIVERY, PROPERLY PROTECT THEM WITH SOIL, WET PEAT MOSS, OR IN A MANNER ACCEPTABLE TO THE LANDSCAPE ARCHITECT. WATER HEELED-IN PLANTINGS DAILY. NO PLANT SHALL BE BOUND WITH ROPE OR WIRE IN A MANNER THAT COULD DAMAGE OR BREAK THE BRANCHES. COVER PLANTS TRANSPORTED ON OPEN VEHICLES WITH A PROTECTIVE COVERING TO PREVENT WIND BURN.

### PROJECT CONDITIONS

PROTECT EXISTING UTILITIES, PAVING, AND OTHER FACILITIES FROM DAMAGE CAUSED BY LANDSCAPE OPERATIONS.

A COMPLETE LIST OF PLANTS, INCLUDING A SCHEDULE OF SIZES, QUANTITIES, AND OTHER REQUIREMENTS ARE SHOWN ON THE DRAWINGS. IN THE EVENT THAT QUANTITY DISCREPANCIES OR MATERIAL OMISSIONS OCCUR IN THE PLANT MATERIALS LIST, THE PLANTING PLANS SHALL GOVERN.

THE IRRIGATION SYSTEM WILL BE INSTALLED PRIOR TO PLANTING. LOCATE, PROTECT AND MAINTAIN THE IRRIGATION SYSTEM DURING PLANTING OPERATIONS. REPAIR IRRIGATION SYSTEM COMPONENTS DAMAGED DURING PLANTING OPERATIONS; AT THE CONTRACTOR'S EXPENSE. REFER TO THE IRRIGATION SPECIFICATIONS, IRRIGATION PLAN AND IRRIGATION DETAILS.

DO NOT BEGIN LANDSCAPE ACCESSORY WORK BEFORE COMPLETION OF FINAL GRADING OR SURFACING.

### WARRANTY

WARRANTY PLANT MATERIAL TO REMAIN ALIVE, BE HEALTHY AND IN A VIGOROUS CONDITION FOR A PERIOD OF 1 YEAR AFTER COMPLETION AND FINAL ACCEPTANCE OF ENTIRE PROJECT.

REPLACE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE DEAD OR ARE IN UNHEALTHY, OR UNSIGHTLY CONDITION, AND HAVE LOST THEIR NATURAL SHAPE DUE TO DEAD BRANCHES, OR OTHER CAUSES DUE TO THE CONTRACTOR'S NEGLIGENCE. THE COST OF SUCH REPLACEMENT(S) IS AT THE CONTRACTOR'S EXPENSE. WARRANT ALL REPLACEMENT PLANTS FOR 1 YEAR AFTER INSTALLATION.

WARRANTY SHALL NOT INCLUDE DAMAGE, LOSS OF TREES, PLANTS, OR GROUND COVERS CAUSED BY FIRES, FLOODS, FREEZING RAINS, LIGHTNING STORMS, WINDS OVER 75 MILES PER HOUR, WINTER KILL CAUSED BY EXTREME COLD, SEVERE WINTER CONDITIONS NOT TYPICAL OF PLANTING AREA, AND/OR ACTS OF VANDALISM OR NEGLIGENCE ON A PART OF THE OWNER.

REMOVE AND IMMEDIATELY REPLACE ALL PLANTS, FOUND TO BE UNSATISFACTORY DURING THE INITIAL PLANTING INSTALLATION.

MAINTAIN AND PROTECT PLANT MATERIAL, LAWNS, AND IRRIGATION UNTIL FINAL ACCEPTANCE IS MADE.

### ACCEPTANCE

INSPECTION OF PLANTED AREAS WILL BE MADE BY THE OWNER'S REPRESENTATIVE.

1. PLANTED AREAS WILL BE ACCEPTED PROVIDED ALL REQUIREMENTS, INCLUDING MAINTENANCE, HAVE BEEN COMPLIED WITH AND PLANT MATERIALS ARE ALIVE AND IN A HEALTHY, VIGOROUS CONDITION.

UPON ACCEPTANCE, THE CONTRACTOR SHALL COMMENCE THE SPECIFIED PLANT MAINTENANCE.

### CODES, PERMITS AND FEES

OBTAIN ANY NECESSARY PERMITS FOR THIS SECTION OF WORK AND PAY ANY FEES REQUIRED FOR PERMITS.

THE ENTIRE INSTALLATION SHALL FULLY COMPLY WITH ALL LOCAL AND STATE LAWS AND ORDINANCES, AND WITH ALL ESTABLISHED CODES APPLICABLE THERETO; ALSO AS DEPICTED ON THE LANDSCAPE AND IRRIGATION CONSTRUCTION SET.

## PART 2 - PRODUCTS

### MATERIALS

PLANTS: PROVIDE TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL, DENSELY DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. PROVIDE ONLY SOUND, HEALTHY, VIGOROUS PLANTS FREE FROM DEFECTS, DISFIGURING KNOTS, SUN SCALD INJURIES, FROST CRACKS, ABRASIONS OF THE BARK, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL PLANTS SHALL HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACES. PLANTS HELD ON STORAGE WILL BE REJECTED IF THEY SHOW SIGNS OF GROWTH DURING THE STORAGE PERIOD.

1. BALLED AND PLANTS WRAPPED WITH BURLAP, TO HAVE FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF THE PLANT. PROVIDE BALL SIZES COMPLYING WITH THE LATEST EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK". CRACKED OR MUSHROOMED BALLS, OR SIGNS OF CIRCLING ROOTS ARE NOT ACCEPTABLE.
2. CONTAINER-GROWN STOCK: GROWN IN A CONTAINER FOR SUFFICIENT LENGTH OF TIME FOR THE ROOT SYSTEM TO HAVE DEVELOPED TO HOLD ITS SOIL TOGETHER, FIRM AND WHOLE.
  - a. NO PLANTS SHALL BE LOOSE IN THE CONTAINER.
  - b. CONTAINER STOCK SHALL NOT BE POT BOUND.
3. PLANTS PLANTED IN ROWS SHALL BE MATCHED IN FORM.
4. PLANTS LARGER THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED WHEN ACCEPTABLE TO THE LANDSCAPE ARCHITECT.
  - a. IF THE USE OF LARGER PLANTS IS ACCEPTABLE, INCREASE THE SPREAD OF ROOTS OR ROOT BALL IN PROPORTION TO THE SIZE OF THE PLANT.
5. THE HEIGHT OF THE TREES, MEASURED FROM THE CROWN OF THE ROOTS TO THE TOP OF THE TOP BRANCH, SHALL NOT BE LESS THAN THE MINIMUM SIZE DESIGNATED IN THE PLANT LIST.
6. NO PRUNING WOUNDS SHALL BE PRESENT WITH A DIAMETER OF MORE THAN 1" AND SUCH WOUNDS MUST SHOW VIGOROUS BARK ON ALL EDGES.
7. EVERGREEN TREES SHALL BE BRANCHED TO THE GROUND OR AS SPECIFIED IN PLANT LIST.
8. SHRUBS AND SMALL PLANTS SHALL MEET THE REQUIREMENTS FOR SPREAD AND HEIGHT INDICATED IN THE PLANT LIST.
  - a. THE MEASUREMENTS FOR HEIGHT SHALL BE TAKEN FROM THE GROUND LEVEL TO THE HEIGHT OF THE TOP OF THE PLANT AND NOT THE LONGEST BRANCH.
  - b. SINGLE STEMMED OR THIN PLANTS WILL NOT BE ACCEPTED.
  - c. SIDE BRANCHES SHALL BE GENEROUS, WELL-TWIGGED, AND THE PLANT AS A WHOLE WELL-BUSHED TO THE GROUND.
  - d. PLANTS SHALL BE IN A MOIST, VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES, OR OTHER ROOT OR BRANCH INJURIES.

### ACCESSORIES

TOPSOIL: SHALL BE FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMY CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL, OBTAINED FROM A WELL-DRAINED ARABLE SITE. REASONABLY FREE FROM CLAY, LUMPS, COARSE SANDS, STONES, ROOTS, STICKS, AND OTHER FOREIGN MATERIALS, WITH ACIDITY RANGE OF BETWEEN PH 6.0 AND 6.8.

NOTE: ALL PLANTING AREAS SHALL BE CLEANED OF CONSTRUCTION DEBRIS (IE. CONCRETE, RUBBLE, STONES, BUILDING MATERIAL, ETC.) PRIOR TO ADDING AND SPREADING OF THE TOP SOIL.

1. SOD AREAS: SPREAD A MINIMUM 4" LAYER OF TOP SOIL AND RAKE SMOOTH.
2. PLANTING BED AREAS: SPREAD A MINIMUM 4" LAYER OF TOP SOIL AND RAKE SMOOTH.
3. LANDSCAPE ISLANDS/MEDJANS: FRACTURE/LOOSEN EXISTING SUBGRADE TO A MINIMUM 24" DEPTH. REMOVE AND REPLACE ANY SUBGRADE UNSUITABLE FOR PLANTING. ONCE SUBGRADE IS CLEAN OF DEBRIS AND LOOSENED, ADD TOPSOIL TO A MINIMUM BERM 6"-8" HEIGHT ABOVE ISLAND CURBING.
4. ANNUAL/PERENNIAL BED AREAS: ADD A MINIMUM OF 4" ORGANIC MATTER AND TILL TO A MINIMUM 12" DEPTH.

MULCH: TYPE SELECTED DEPENDENT ON REGION AND AVAILABILITY; SEE LANDSCAPE PLANS FOR TYPE OF MULCH TO BE USED. HOLD MULCH 4" FROM TREE TRUNKS AND SHRUB STEMS.

1. HARDWOOD: 6 MONTH OLD WELL ROTTED DOUBLE SHREDDED NATIVE HARDWOOD BARK MULCH NOT LARGER THAN 4" IN LENGTH AND 1/2" IN WIDTH, FREE OF WOOD CHIPS AND SAWDUST. INSTALL MINIMUM DEPTH OF 3".

### PART 3 - EXECUTION

#### INSPECTION

PRIOR TO BEGINNING WORK, THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SUBGRADE, GENERAL SITE CONDITIONS, VERIFY ELEVATIONS, UTILITY LOCATIONS, IRRIGATION, APPROVE TOP SOIL PROVIDED BY THE GENERAL CONTRACTOR AND OBSERVE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. NOTIFY THE GENERAL CONTRACTOR OF ANY UNSATISFACTORY CONDITIONS, AND WORK SHALL NOT PROCEED UNTIL SUCH CONDITIONS HAVE BEEN CORRECTED AND ARE ACCEPTABLE TO THE LANDSCAPE CONTRACTOR.

#### PREPARATION

PLANTING SHALL BE PERFORMED ONLY BY EXPERIENCED WORKMEN FAMILIAR WITH PLANTING PROCEDURES UNDER THE SUPERVISION OF A QUALIFIED SUPERVISOR.

LOCATE PLANTS AS INDICATED ON THE PLANS OR AS APPROVED IN THE FIELD AFTER STAKING BY THE LANDSCAPE CONTRACTOR. IF OBSTRUCTIONS ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS, DO NOT PROCEED WITH PLANTING OPERATIONS UNTIL ALTERNATE PLANT LOCATIONS HAVE BEEN SELECTED AND APPROVED BY THE LANDSCAPE ARCHITECT; SPACING OF PLANT MATERIAL SHALL BE AS SHOWN ON THE LANDSCAPE PLAN.

EXCAVATE CIRCULAR PLANT PITS WITH VERTICAL SIDES, EXCEPT FOR PLANTS SPECIFICALLY INDICATED TO BE PLANTED IN BEDS. PROVIDE SHRUB PITS AT LEAST 12" GREATER THAN THE DIAMETER OF THE ROOT SYSTEM AND 24" GREATER FOR TREES. DEPTH OF PIT SHALL ACCOMMODATE THE ROOT SYSTEM. PROVIDE UNDISTURBED SUB GRADE TO HOLD ROOT BALL AT NURSERY GRADE AS SHOWN ON THE DRAWINGS.

#### INSTALLATION

SET PLANT MATERIAL IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT. SET PLANTS UPRIGHT, PLUMB, AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO EACH OTHER OR ADJACENT STRUCTURE. SET PLANT MATERIAL 2" - 3" ABOVE THE FINISH GRADE. NO FILLING WILL BE PERMITTED AROUND TRUNKS OR STEMS. BACKFILL THE PIT WITH TOPSOIL MIX AND EXCAVATED MATERIAL. DO NOT USE FROZEN OR MUDDY MIXTURES FOR BACKFILLING. FORM A RING OF SOIL AROUND THE EDGE OF EACH PLANTING PIT TO RETAIN WATER.

AFTER BALLED AND WRAPPED IN BURLAP PLANTS ARE SET, MIDDLE PLANTING SOIL MIXTURE AROUND BASES OF BALLS AND FILL ALL VOIDS.

1. REMOVE ALL BURLAP, ROPES, AND WIRES FROM THE TOP 1/3 OF THE ROOT BALL.

SPACE GROUND COVER PLANTS IN ACCORDANCE WITH INDICATED DIMENSIONS. ADJUST SPACING AS NECESSARY TO EVENLY FILL PLANTING BED WITH INDICATED QUANTITY OF PLANTS. PLANT TO WITHIN 24" OF THE TRUNKS OF TREES AND SHRUBS WITHIN PLANTING BED AND TO WITHIN 18" OF EDGE OF BED.

#### SOD

1. SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
2. LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN.
3. LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS - DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
4. ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
5. WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.

#### MULCHING:

1. MULCH TREE AND SHRUB PLANTING PITS AND SHRUB BEDS WITH REQUIRED MULCHING MATERIAL (SEE LANDSCAPE PLAN FOR MULCH TYPE); DEPTH OF MULCH AS NOTED ABOVE. HOLD MULCH BACK 4" AWAY FROM TREE TRUNKS AND SHRUB STEMS. THOROUGHLY WATER MULCHED AREAS. AFTER WATERING, RAKE MULCH TO PROVIDE A UNIFORM FINISHED SURFACE.

#### PRUNING:

1. PRUNE DECIDUOUS TREES AND EVERGREENS ONLY TO REMOVE BROKEN OR DAMAGED BRANCHES.

#### WORKMANSHIP

DURING LANDSCAPE/IRRIGATION INSTALLATION OPERATIONS, ALL AREAS SHALL BE KEPT NEAT AND CLEAN. PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING STRUCTURES. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER TO THE OPERATORS, THE OCCUPANTS AND ANY PEDESTRIANS.

UPON COMPLETION OF INSTALLATION OPERATIONS, ALL EXCESS MATERIALS, EQUIPMENT, DEBRIS AND WASTE MATERIAL SHALL BE CLEANED UP AND REMOVED FROM THE SITE, UNLESS PROVISIONS HAVE BEEN GRANTED BY THE OWNER TO USE ON-SITE TRASH RECEPTACLES. SWEEP PARKING AND WALKS. CLEAN OF DIRT AND DEBRIS. REMOVE ALL PLANT TAGS AND OTHER DEBRIS FROM LAWNS AND PLANTING AREAS.

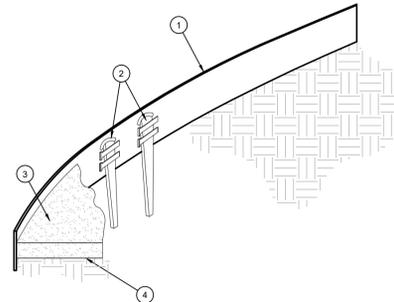
ANY DAMAGE TO THE LANDSCAPE, THE STRUCTURE, OR THE IRRIGATION SYSTEM CAUSED BY THE LANDSCAPE CONTRACTOR SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR WITHOUT CHARGE TO THE OWNER.

#### MAINTENANCE

CONTRACTOR SHALL PROVIDE MAINTENANCE UNTIL WORK HAS BEEN ACCEPTED BY THE OWNER'S REPRESENTATIVE.

MAINTENANCE SHALL INCLUDE MOWING, FERTILIZING, MULCHING, PRUNING, CULTIVATION, WEEDING, WATERING, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS AND LAWNS FREE OF INSECTS AND DISEASE.

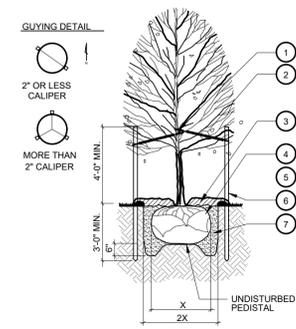
1. RE-SET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE PLANTING SAUCER AND ADJACENT MATERIAL AND REMOVE DEAD MATERIAL.
2. REPAIR GUY WIRES AND STAKES AS REQUIRED. REMOVE ALL STAKES AND GUY WIRES AFTER 1 YEAR.
3. CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER AND SEASON PERMIT.
4. WATER TREES, PLANTS AND GROUND COVER BEDS WITHIN THE FIRST 24 HOURS OF INITIAL PLANTING, AND NOT LESS THAN TWICE PER WEEK UNTIL FINAL ACCEPTANCE.



- 1 ROLLED-TOP STEEL EDGING PER PLANS.
- 2 TAPERED STEEL STAKES.
- 3 MULCH, TYPE AND DEPTH PER PLANS.
- 4 FINISH GRADE.

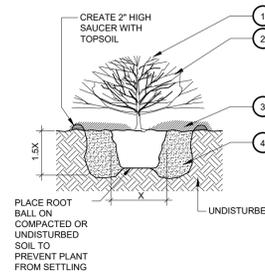
- NOTES:
- 1) INSTALL EDGING SO THAT STAKES WILL BE ON INSIDE OF PLANTING BED.
  - 2) BOTTOM OF EDGING SHALL BE BURIED A MINIMUM OF 1" BELOW FINISH GRADE.
  - 3) TOP OF MULCH SHALL BE 1" LOWER THAN TOP OF EDGING.

## 3 STEEL EDGING DETAIL



## 1 TREE PLANTING DETAIL

N.T.S.



### SHRUB PLANTING LEGEND

| SYMBOL | DESCRIPTION   |
|--------|---|
| 1      | PRUNE BROKEN AND DAMAGED TWIGS AFTER PLANTING DO NOT PRUNE OR DAMAGE CENTRAL LEADER.  |
| 2      | PLACE PLANT IN VERTICAL, PLUMB POSITION. REMOVE CONTAINER AND PLANT LABEL PRIOR TO PLACING BACKFILL.                                  |
| 3      | 3" - 4" OF MULCH AS SPECIFIED. DO NOT PLACE MULCH DIRECTLY AGAINST STEMS.   |
| 4      | PREPARED BACKFILL AND FERTILIZE PER SPECIFICATION. TAMP AND SOAK BACKFILL AFTER PLANTING. MAINTAIN AFTER PLANTING PER SPECIFICATIONS. |

### PLANTING NOTES

- A. HOLE DIAMETER SHOULD BE AT LEAST TWICE THE DIAMETER OF THE SHRUB ROOT BALL. SHRUB CROWN SHOULD BE PLACED SLIGHTLY HIGHER (1-2") ABOVE THAN SURROUNDING FINISHED GRADE.
- B. SCORE ROOTBALL BY CUTTING 1/2" VERTICAL GROVES 3" APART.
- B. SPACE PLANTS PER PLANTING PLAN.

## 2 CONTAINER SHRUB PLANTING DETAIL

N.T.S.

### DECIDUOUS TREE PLANTING LEGEND

| SYMBOL | DESCRIPTION   |
|--------|---|
| 1      | TREE STRAP LOOP AT FIRST BRANCH. USE RUBBER HOSE OR APPROVED EQUAL TO PREVENT DAMAGE TO TREE. |
| 2      | 12 GAUGE GALVANIZED WIRE & 1-1/2" PVC PIPE  |
| 3      | 4" ORGANIC MULCH PER SPECIFICATIONS. DO NOT PLACE MULCH AGAINST TREE TRUNK                    |
| 4      | REMOVE WIRE BASKET AND REMOVE BURLAP & ROPE FROM TOP OF ROOT BALL                             |
| 5      | TREE SAUCER (FORMED BY MIN. 4" THICK MULCH)   |
| 6      | 8" METAL TEE STAKE. KEEP STAKE PLUMB AND SECURED OUTSIDE OF TREE PIT.                         |
| 7      | PREPARED BACKFILL-TAMP TO PREVENT SETTLEMENT. SOAK BACKFILL AFTER PLANTING.                   |

### PLANTING NOTES

- A. RETAIN NATURAL SHAPE. DO NOT SHEAR OR CUT CENTRAL LEADER. TREES WITH CENTRAL LEADERS ARE NOT ACCEPTED IF LEADER IS DAMAGED OR REMOVED.
- B. PRUNE ALL DAMAGED TWIGS AFTER PLANTING
- C. WRAP TREES TO FIRST BRANCH IF PLANTED IN FALL. DO NOT WRAP IF PLANTED IN SPRING.
- D. TREES TO BE INSTALLED TO TOP OF ROOT BALLS LEVEL WITH ADJACENT GRADE. TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS MAINTAINED AT NURSERY
- E. PLACE TREE BALL ON FIRM UNDISTURBED SOIL.
- F. IF POSSIBLE MARL TREE TRUNK ON THE NORTHERN SIDE AT THE NURSERY AND PLANT TREE WITH MARK FACING NORTH
- G. TOPSOIL USED SHALL BE AS SPECIFIED IN THE LANDSCAPE SPECIFICATIONS.

| REVISIONS     | DATE     |
|---------------|----------|
| 1st Submittal | 04/24/25 |
| 2nd Submittal | 05/13/25 |
| 3rd Submittal | 06/19/25 |
| 4th Submittal | 07/02/25 |

SMOKE SHOP  
 LARGE SCALE DEVELOPMENT  
 LANDSCAPE DETAILS AND SPECIFICATIONS  
 FARMINGTON, ARKANSAS



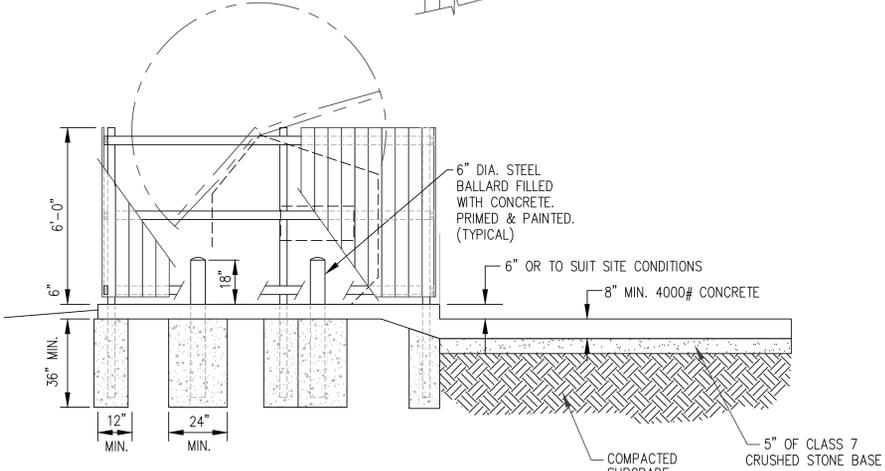
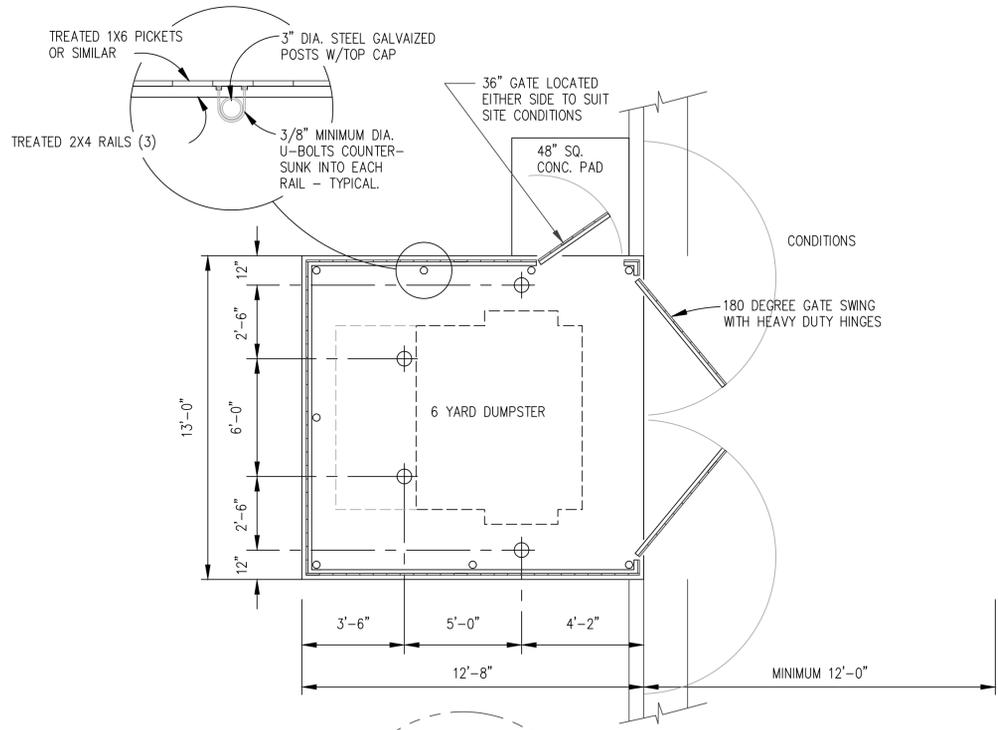
**Engineers - Surveyors**  
 7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
 PH: (479) 442-9350 | batesnwa.com

ENGINEER: G. BATES  
 DRAWN BY: K. HANEY

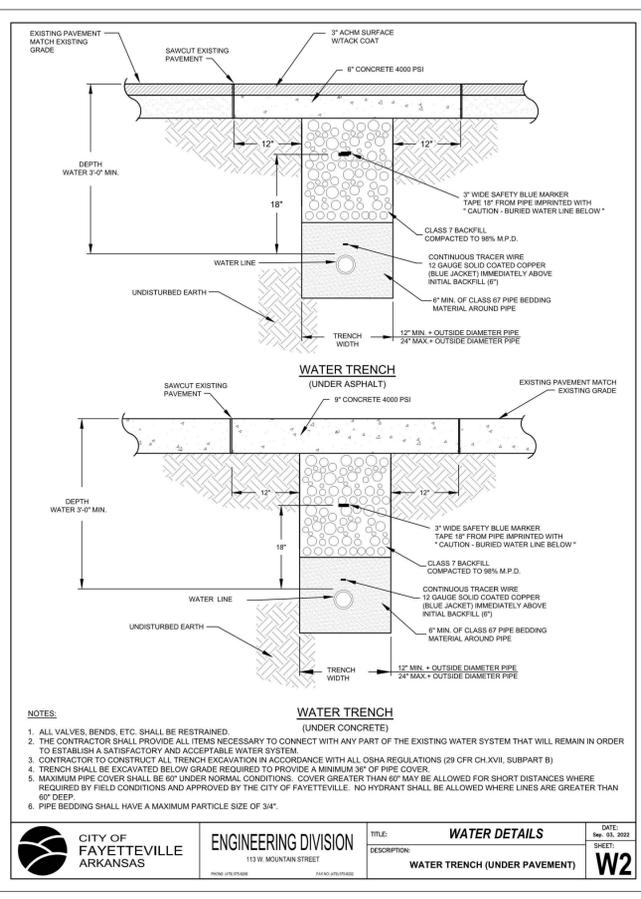


7/2/2025  
**LANDTEK STUDIOS**  
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 FAYETTEVILLE, AR 72703  
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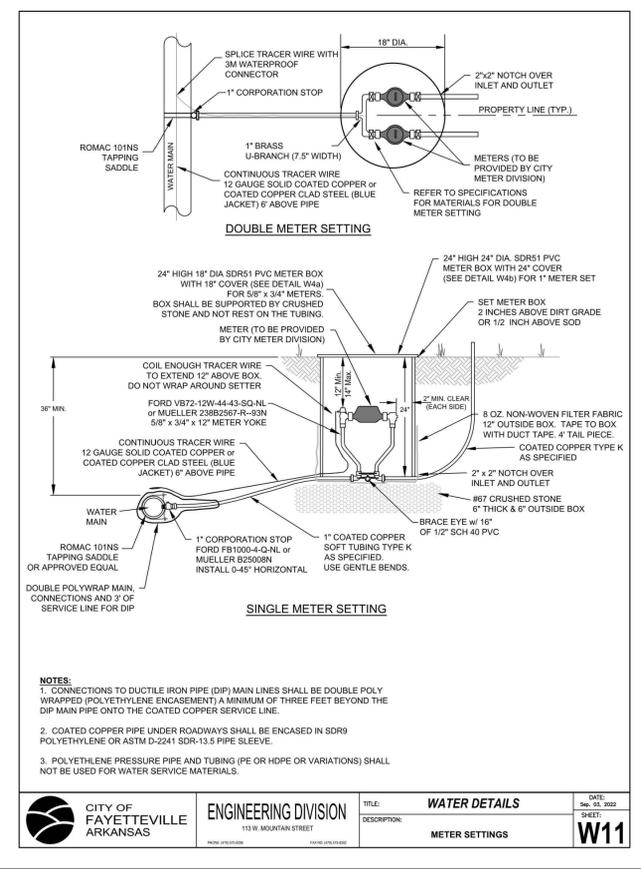




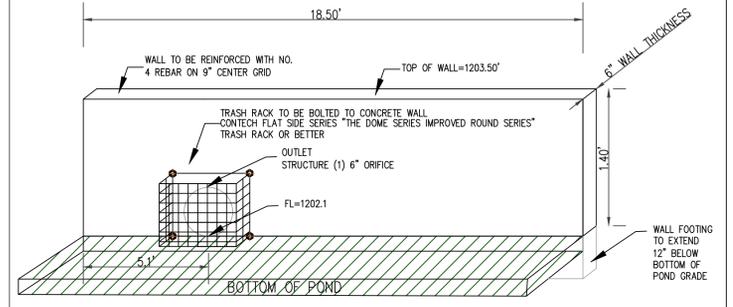
GENERIC SCREENED DUMPSTER  
N.T.S.



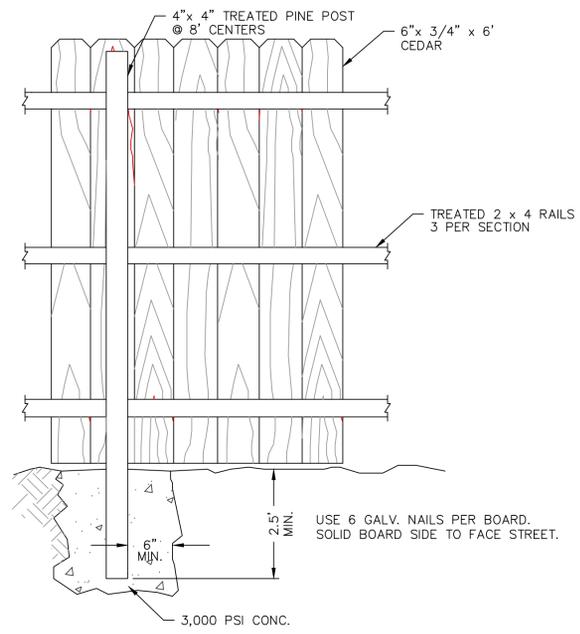
WATER TRENCH (UNDER ASPHALT)  
WATER TRENCH (UNDER CONCRETE)  
NOTES:  
1. ALL VALVES, BENDS, ETC. SHALL BE RESTRAINED.  
2. THE CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY TO CONNECT WITH ANY PART OF THE EXISTING WATER SYSTEM THAT WILL REMAIN IN OPERATION TO ESTABLISH A SATISFACTORY AND ACCEPTABLE WATER SYSTEM.  
3. CONTRACTOR TO CONSTRUCT ALL TRENCH EXCAVATION IN ACCORDANCE WITH ALL OSHA REGULATIONS (29 CFR CH. XVII, SUBPART B).  
4. TRENCH SHALL BE EXCAVATED BELOW GRADE REQUIRED TO PROVIDE A MINIMUM 36\"/>



DOUBLE METER SETTING  
SINGLE METER SETTING  
NOTES:  
1. CONNECTIONS TO DUCTILE IRON PIPE (DIP) MAIN LINES SHALL BE DOUBLE POLY WRAPPED (POLYETHYLENE ENCASEMENT) A MINIMUM OF THREE FEET BEYOND THE DIP MAIN PIPE ONTO THE COATED COPPER SERVICE LINE.  
2. COATED COPPER PIPE UNDER ROADWAYS SHALL BE ENCASED IN SDR9 POLYETHYLENE OR ASTM D-2241 SDR-13.5 PIPE SLEEVE.  
3. POLYETHYLENE PRESSURE PIPE AND TUBING (PE OR HDPE OR VARIATIONS) SHALL NOT BE USED FOR WATER SERVICE MATERIALS.



ORIFICE RELEASE STRUCTURE  
SECTION VIEW  
N.T.S.



CEDAR FENCE DETAIL  
N.T.S.

ENGINEER: G. BATES  
DRAWN BY: K. HANEY  
PROJECT NO: 24-331

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
G. BATES  
No. 9810  
07-10-2025

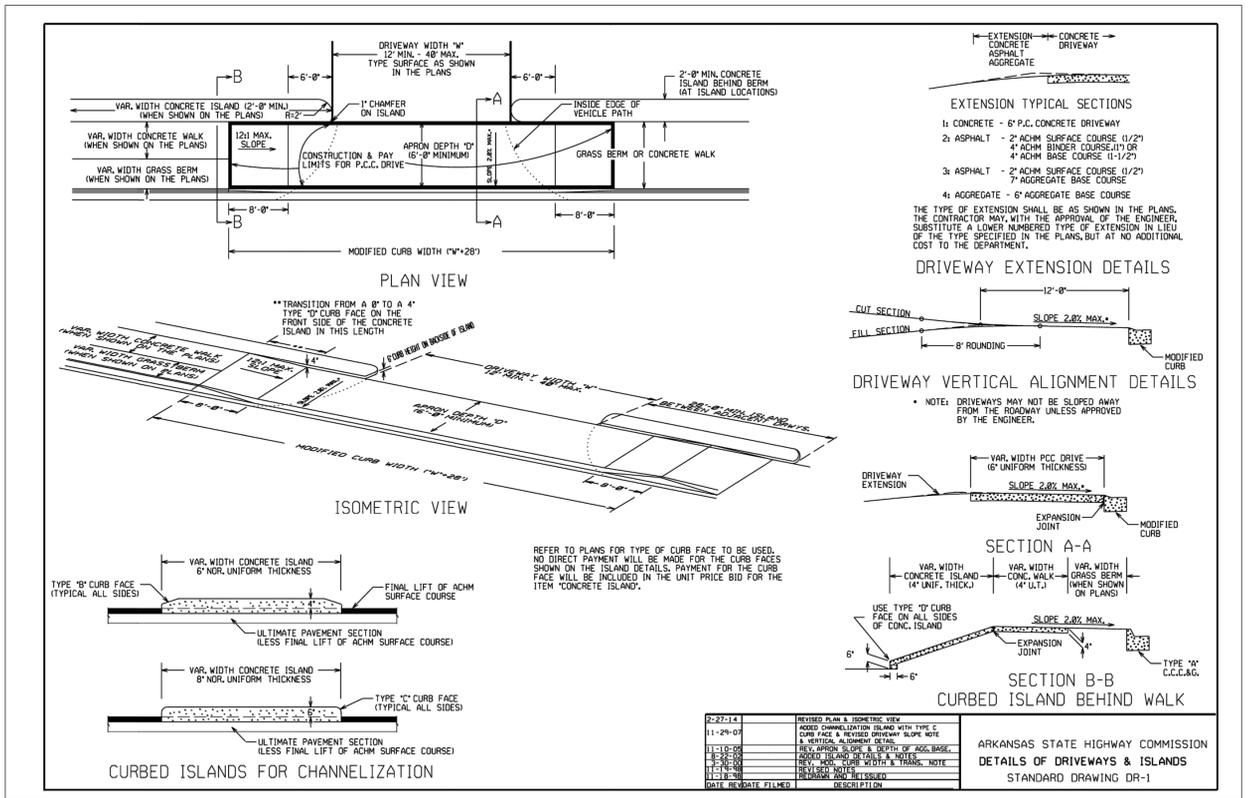
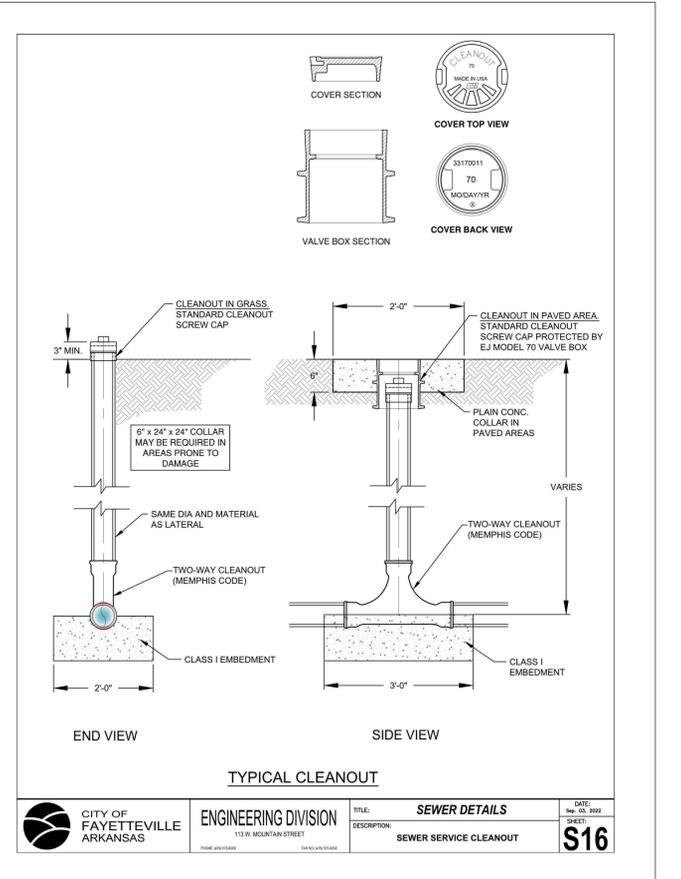
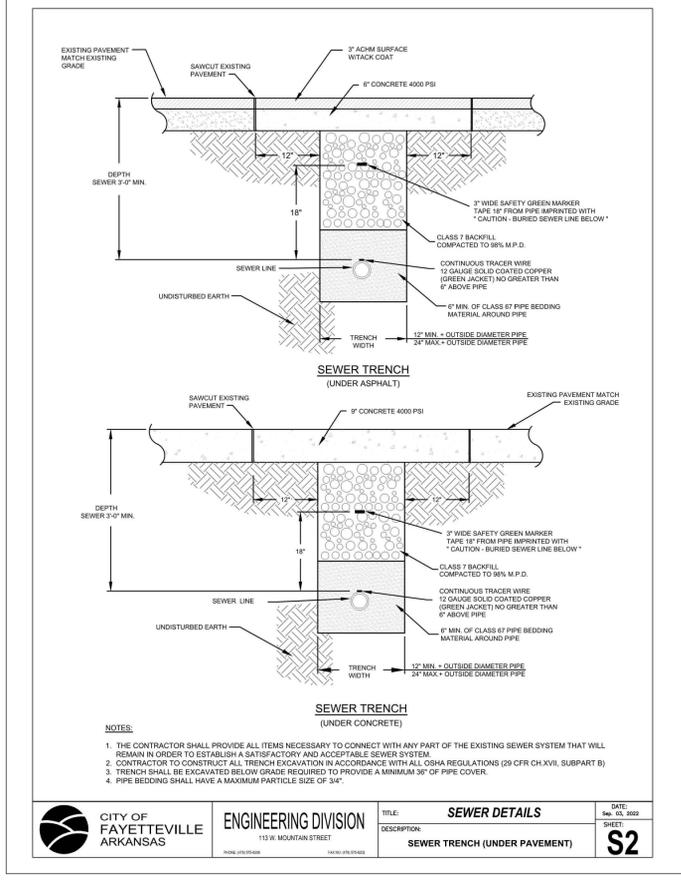
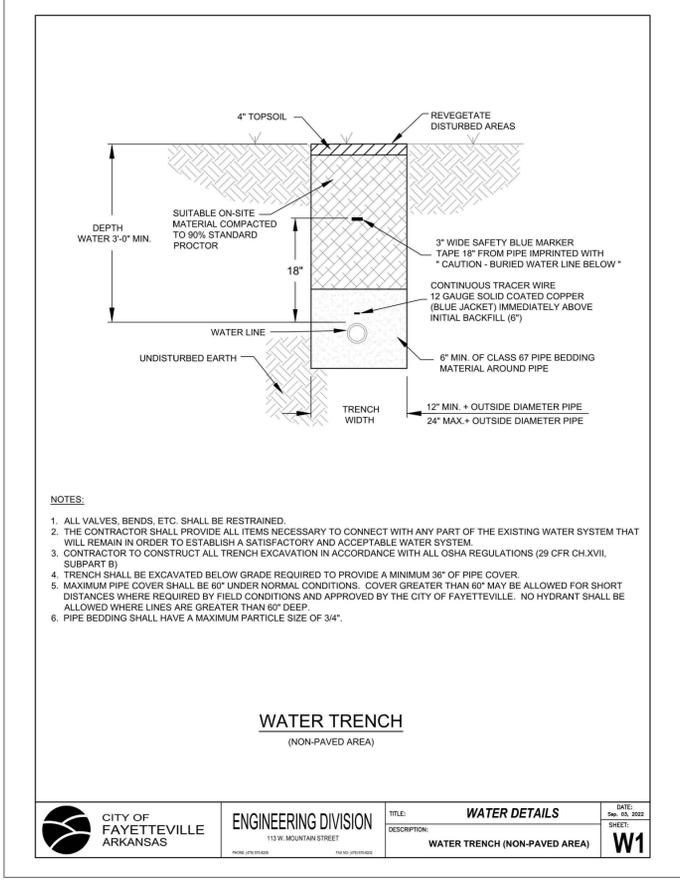
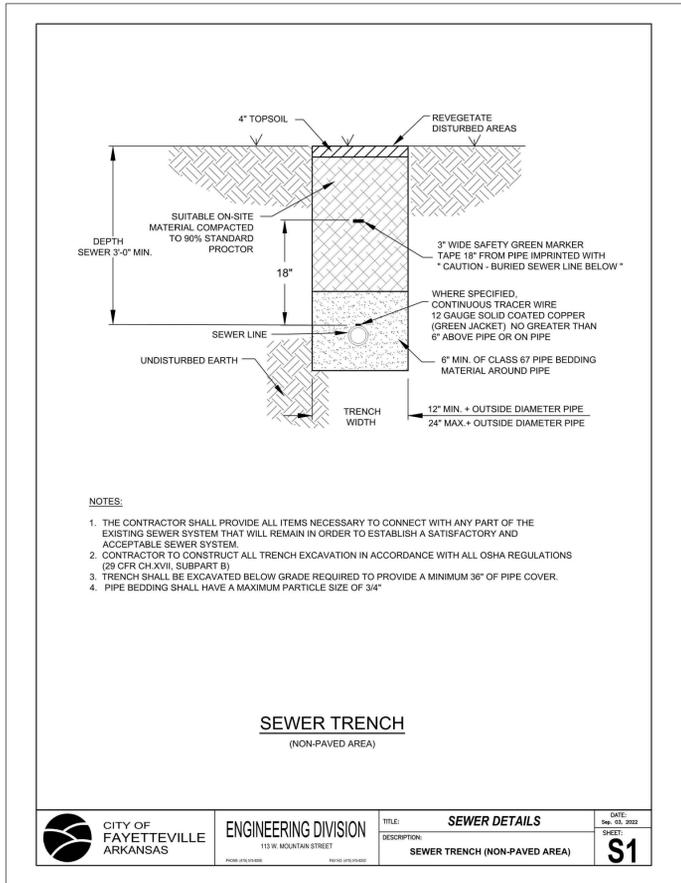
CERTIFICATE OF AUTHORITY  
BATES & ASSOCIATES, INC.  
#335  
ARKANSAS ENGINEER  
MOBILE

| REVISIONS      | DATE     |
|----------------|----------|
| 1st. Submittal | 04/27/25 |
| 2nd. Submittal | 05/13/25 |
| 3rd. Submittal | 06/09/25 |
| 4th. Submittal | 06/19/25 |
| 5th. Submittal | 07/02/25 |
| 6th. Submittal | 07/09/25 |
| 7th. Submittal | 07/09/25 |
| 8th. Submittal | 07/10/25 |

SMOKE SHOP  
LARGE SCALE DEVELOPMENT  
DETAILS  
FARMINGTON, ARKANSAS

**BATES**  
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DRAWING NO.  
DT02



ENGINEER: G. BATES  
DRAWN BY: K. HANEY

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
BATES & ASSOCIATES, INC.  
No. 9810  
07-10-2025  
CERTIFICATE OF AUTHORITY  
#335  
ARKANSAS ENGINEER

PROJECT NO. 24-331

SMOKE SHOP  
LARGE SCALE DEVELOPMENT  
DETAILS  
FARMINGTON, ARKANSAS

**BATES**  
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7230 S Pleasant Ridge Dr / Fayetteville, AR 72704  
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DRAWING NO. DT03

REVISIONS

| DATE     | DESCRIPTION              |
|----------|--------------------------|
| 04/27/25 | 1st. Submittal           |
| 05/17/25 | 2nd. Submittal           |
| 06/09/25 | 3rd. Submittal           |
| 06/19/25 | 4th. Submittal           |
| 07/02/25 | 4th. Submittal Revisions |
| 07/09/25 | 5th. Submittal           |
| 07/09/25 | 5.1. Submittal           |