CONTACT LIST <u>SURVEYOR/ENGINEER</u> ENGINEERING SERVICES, INC. 1207 SOUTH OLD MISSOURI RD. JASON APPEL - 479-751-8733 **BLACK HILLS ENERGY** 479-225-3726 479-442-1963 OZARKS ELECTRIC 479-684-4949 COX COMMUNICATION 479-717-3730 TONTITOWN WATER UTILITIES 479-361-2700 **BUILDING DEPARTMENT**

479-361-2700

DESIGN PLANS FOR AN

NORRIS PLAZA

LARGE SCALE DEVELOPMENT

SERVING





INDEX OF SHEETS DESCRIPTION SHEET No. COVER EXISTING CONDITIONS LARGE SCALE DEVELOPMENT GRADING & STORM DRAINAGE PLAN PAVING & SIGNAGE PLAN TYPICAL DETAILS WATER & SANITARY SEWER DETAILS LANDSCAPE PLAN STORM WATER POLLUTION PREVENTION PLAN LIGHTING PLAN



IN THE CITY OF

TONTITOWN, ARKANSAS

October 13, 2022

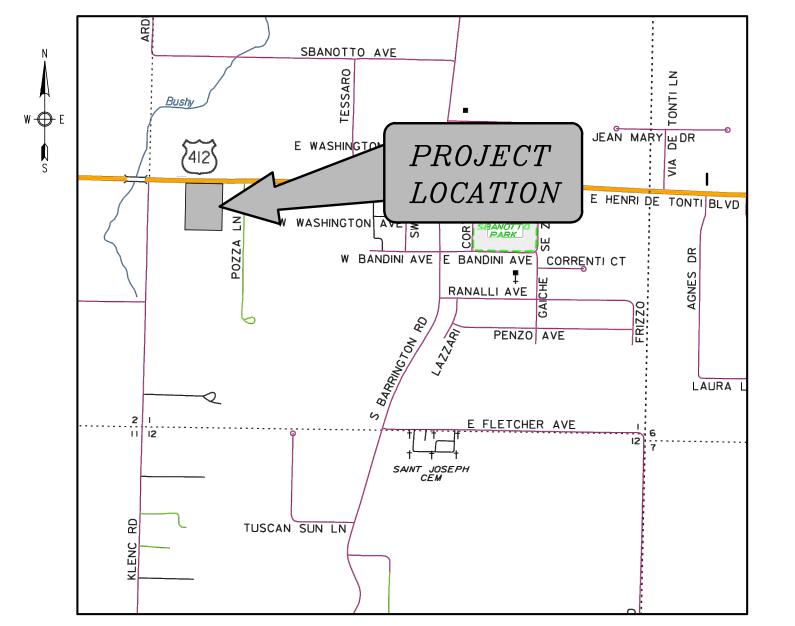
BY

ENGINEERING SERVICES INC.



CONSULTING ENGINEERS SPRINGDALE, ARKANSAS PHONE: 479-751-8733 FAX: 479-751-8746

WWW.ENGINEERINGSERVICES.COM



VICINITY MAP

DESIGN

NOT FOR CONSTRUCTION

JASON APPEL, P.E. No. 13828 ENGINEERING SERVICES, INC.

- 1) ALL STREET AND DRAINAGE CONSTRUCTION MUST COMPLY WITH THE REQUIREMENTS OF THE CITY OF TONTITOWN, ARKANSAS.
- 2) ALL PUBLIC WATER AND SEWER CONSTRUCTION MUST COMPLY WITH THE CITY OF TONTITOWN STANDARD WATER & SEWER SPECIFICATIONS DATED JUNE 25, 2018.
- 3) TRAFFIC SAFETY CONTROL FEATURES ARE TO BE PROVIDED BY THE CONTRACTOR.
- 4) ANY STREET CLOSURES ARE TO BE COORDINATED WITH THE CITY OF TONTITOWN 48 HOURS PRIOR TO WORK.
- 5) THERE ARE NO KNOWN WETLANDS ON THIS PROPERTY.
- 6) NO KNOWN EROSION PROBLEMS EXIST ON THIS SITE
- 7) THERE ARE NO KNOW EXISTING OR ABANDONED WATER WELLS, SUMPS, CESSPOOLS, SPRINGS, WATER IMPOUNDMENTS, OR UNDERGROUND STRUCTURES ON THIS PROPERTY.
- 8) THERE ARE NO KNOWN POTENTIALLY DANGEROUS AREAS.
- 9) THERE ARE NO KNOWN EXISTING OR PROPOSED GROUND LEASES OR ACCESS AGREEMENTS EXCEPT AS SHOWN.
- 10) THE SUBJECT PROPERTY IS WITHIN THE FLOOD PLAIN ZONE 'X', (NO SHADING) DESIGNATED AS AN AREA DETERMINED TO BE OUTSIDE OF 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FEMA F.I.R.M. MAP #05143C0065F, EFFECTIVE DATE: APRIL 02, 2008.
- 11) ALL AMENITIES SHALL BE MAINTAINED BY THE SITE MANAGER.

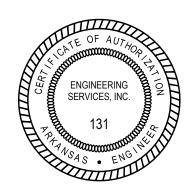


CERTIFICATE OF SURVEYING ACCURACY:

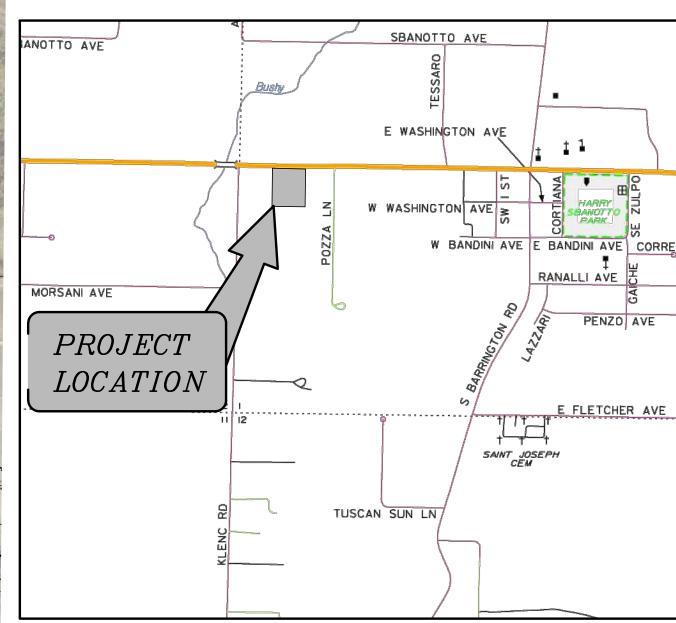
I, RODNEY WOODS, HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A BOUNDARY SURVEY MADE BY ME AND BOUNDARY MARKERS AND LOT CORNERS SHOWN HEREON ACTUALLY EXIST AND THEIR LOCATION, TYPE AND MATERIAL ARE CORRECTLY SHOWN AND ALL MINIMUM REQUIREMENTS OF THE ARKANSAS MINIMUM STANDARDS FOR LAND SURVEYORS HAS BEEN MET.

RODNEY WOODS, P.S. NO. 1559, AR.

DATE OF EXECUTION







OWNER/DEVELOPER:

CITY ZONING:

NORRIS DEVELOPMENT, LLC 4704 CHESTNUT WAY FORT SMITH, AR 72903

ENGINEER:

ENGINEERING SERVICES, INC. 1207 S. OLD MISSOURI ROAD P.O. BOX 282

SPRINGDALE, AR 72762

C-2 OFFICE BUILDING

PROPOSED USE: 0

RCEL: 830-37667-000

SURVEY DESCRIPTION:FILE 024A-00000236 (PARCEL NUMBER 830-37667-000)

SURVEY DESCRIPTION LOT 2:

PART OF THE WEST HALF OF THE SOUTHWEST QUARTER OF SECTION ONE, TOWNSHIP 17 NORTH, RANGE 31 WEST, CITY OF TONTITOWN, WASHINGTON COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 1, SAID POINT BEING N87°08′00″W A DISTANCE OF 6.60 FEET FROM THE SOUTHWEST CORNER OF SECTION 36, TOWNSHIP 18 NORTH, RANGE 31 WEST, SAID POINT BEING A FOUND STATE MONUMENT; THENCE S03°44′22″W A DISTANCE OF 2,651.31 FEET TO THE NORTHWEST CORNER OF THE W 1/2 OF THE SW 1/4 OF SAID SECTION 1; THENCE S03°43′40″W A DISTANCE OF 97.77 FEET TO A FOUND IRON PIN WITH CAP "ALAN REID AR 1005"; THENCE N43°44′00″E A DISTANCE OF 35.62 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF U.S. HIGHWAY 412, SAID POINT BEING A FOUND IRON PIN WITH CAP "ALAN REID AR 1005"; THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE THE FOLLOWING 5 CALLS, S87°20′32″E A DISTANCE OF 211.22 FEET TO A FOUND 2″ ALUMINUM AHTD MONUMENT; THENCE S87°24′11″E A DISTANCE OF 95.09 FEET TO THE POINT OF BEGINNING, SAID POINT BEING A SET IRON PIN WITH CAP "PLS 1156"; THENCE CONTINUING S87°24′11″E A DISTANCE OF 129.87 FEET TO A FOUND IRON PIN WITH CAP "ALAN REID AR 1005"; THENCE S87°20′55″E DISTANCE OF 251.19 FEET TO A FOUND 5/8″ REBAR; THENCE S77°00′27″E A DISTANCE OF 4.72 FEET TO A FOUND IRON PIN WITH CAP "ALAN REID AR 1005"; THENCE LEAVING SAID SOUTHERLY RIGHT OF WAY LINE, S03°43′30″W A DISTANCE OF 278.43 FEET TO A SET IRON PIN WITH CAP "PLS 1156"; THENCE N87°25′44″W A DISTANCE OF 380.09 FEET TO A SET IRON PIN WITH CAP "PLS 1156"; THENCE N87°25′44″W A DISTANCE OF 380.09 FEET TO A SET IRON PIN WITH CAP "PLS 1156"; THENCE N87°25′44″W A DISTANCE OF 380.09 FEET TO A SET IRON PIN WITH CAP "PLS 1156"; THENCE N02°34′16″E A DISTANCE OF 279.63 FEET TO THE POINT OF BEGINNING. CONTAINING 2.46 ACRES - 107,008 SQ.FT., MORE OR LESS.

CERTIFICATE OF APPROVAL:

PURSUANT TO THE CITY OF TONTITOWN SUBDIVISION REGULATIONS AND ALL OTHER CONDITIONS AND APPROVALS HAVING BEEN COMPLETED, THIS DOCUMENT IS HEREBY ACCEPTED. THIS CERTIFICATE IS HEREBY EXECUTED UNDER THE AUTHORITY OF THE SAID

RULES AND REGULATIONS.

THIS APPROVAL DOES NOT GUARANTEE ANY OF THE FOLLOWING:

1. DELIVERY OF PUBLIC WATER OR SEWER SERVICE.

DELIVERY OF ANY OTHER UTILITY SERVICE.
 IMPROVEMENTS TO ANY AFFECTED CITY STREETS OR COUNTY ROADS.

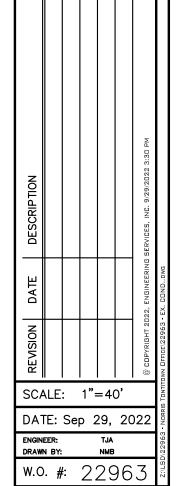
4. APPROVAL FROM THE ARKANSAS DEPARTMENT OF HEALTH. 5. ACCESS TO THE PROPERTY VIA EASEMENTS OR OTHERWISE EITHER KNOWN OR UNKNOWN.

DATE OF EXECUTION: _

CHAIRMAN, TONTITOWN PLANNING COMMISSION

SIGNED:

CITY CLERK/TREASURER, CITY OF TONTITOWN

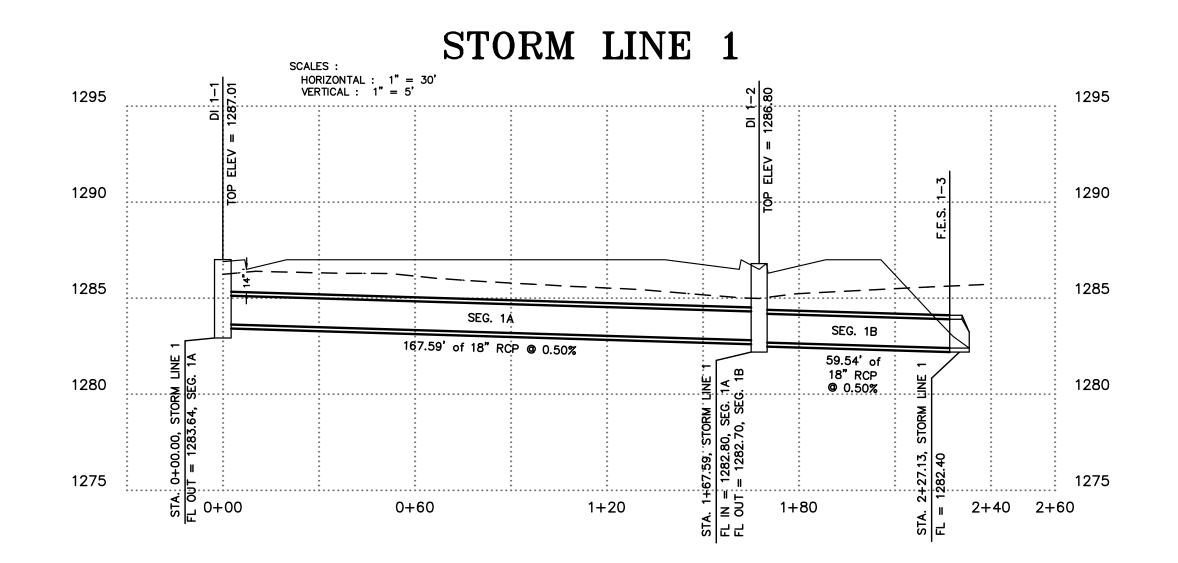


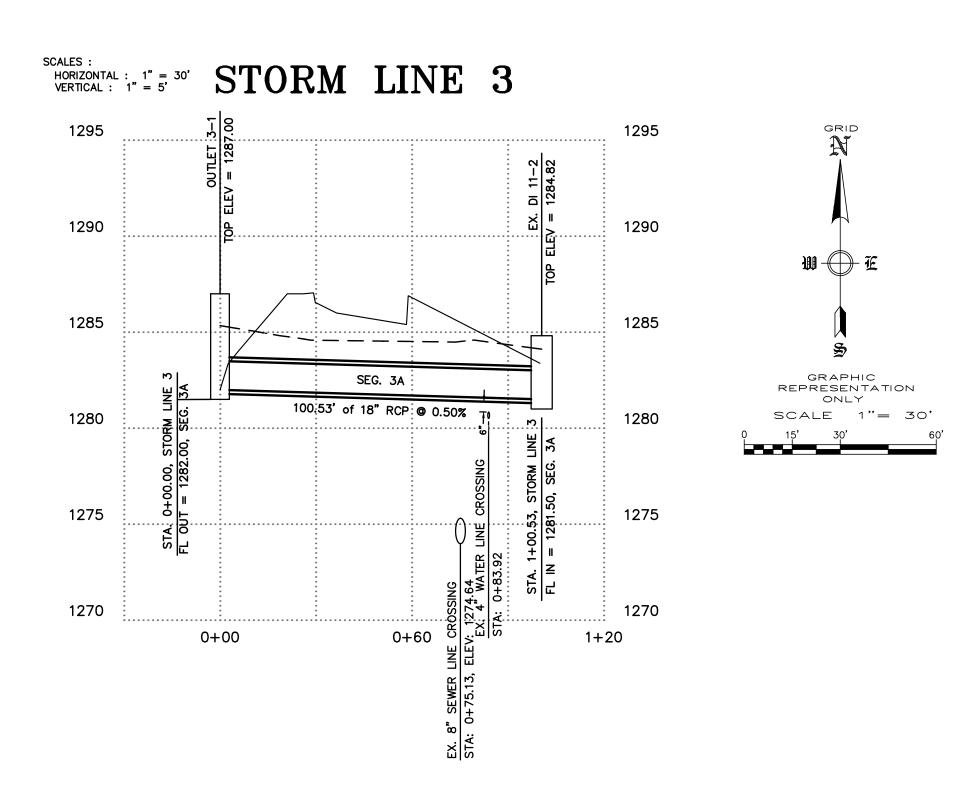


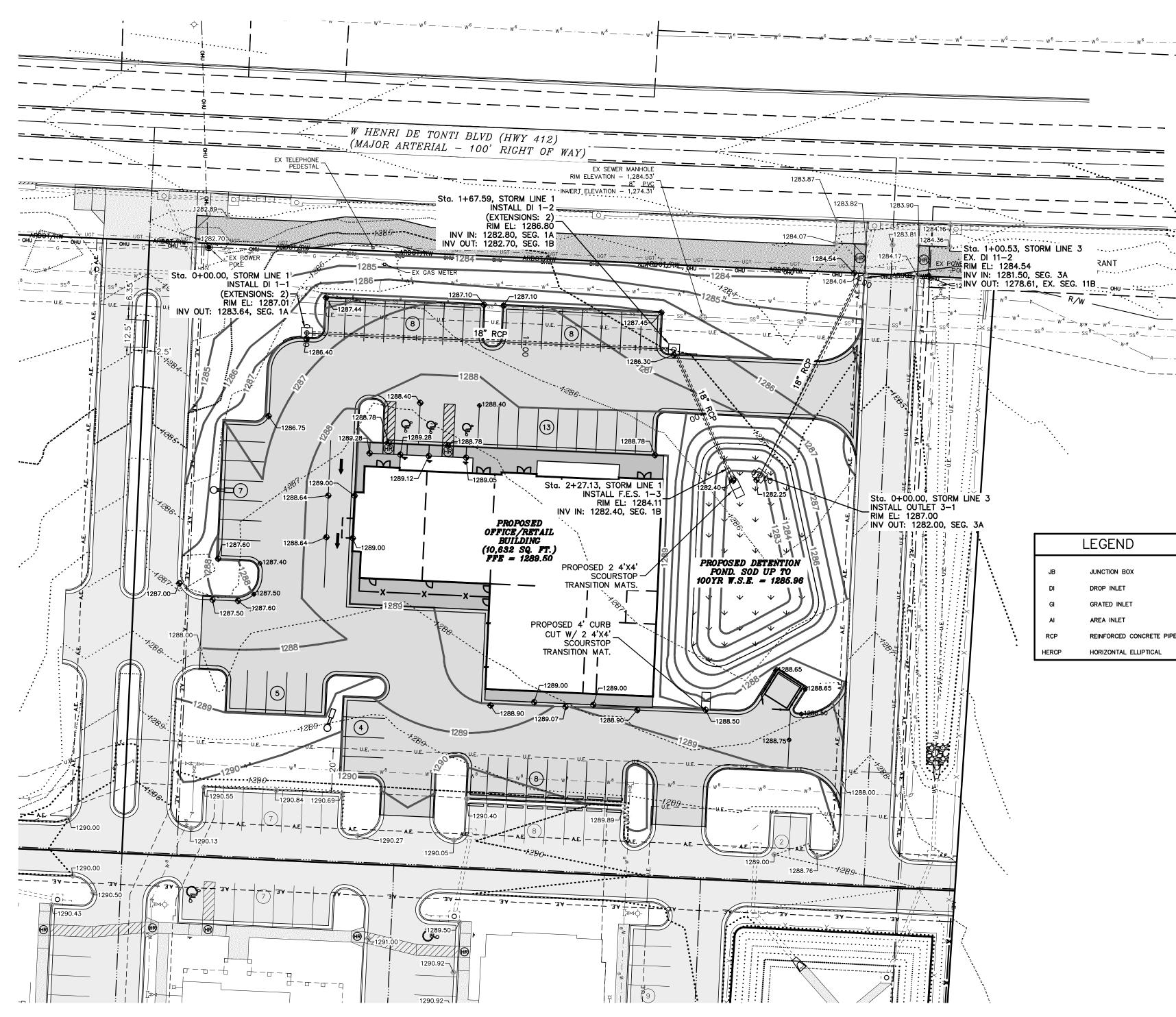
ALE DEVELOPMENT ORRIS PLAZA E TONTI BOULEVARD



w.o. #: 22963









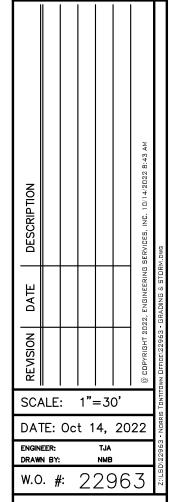


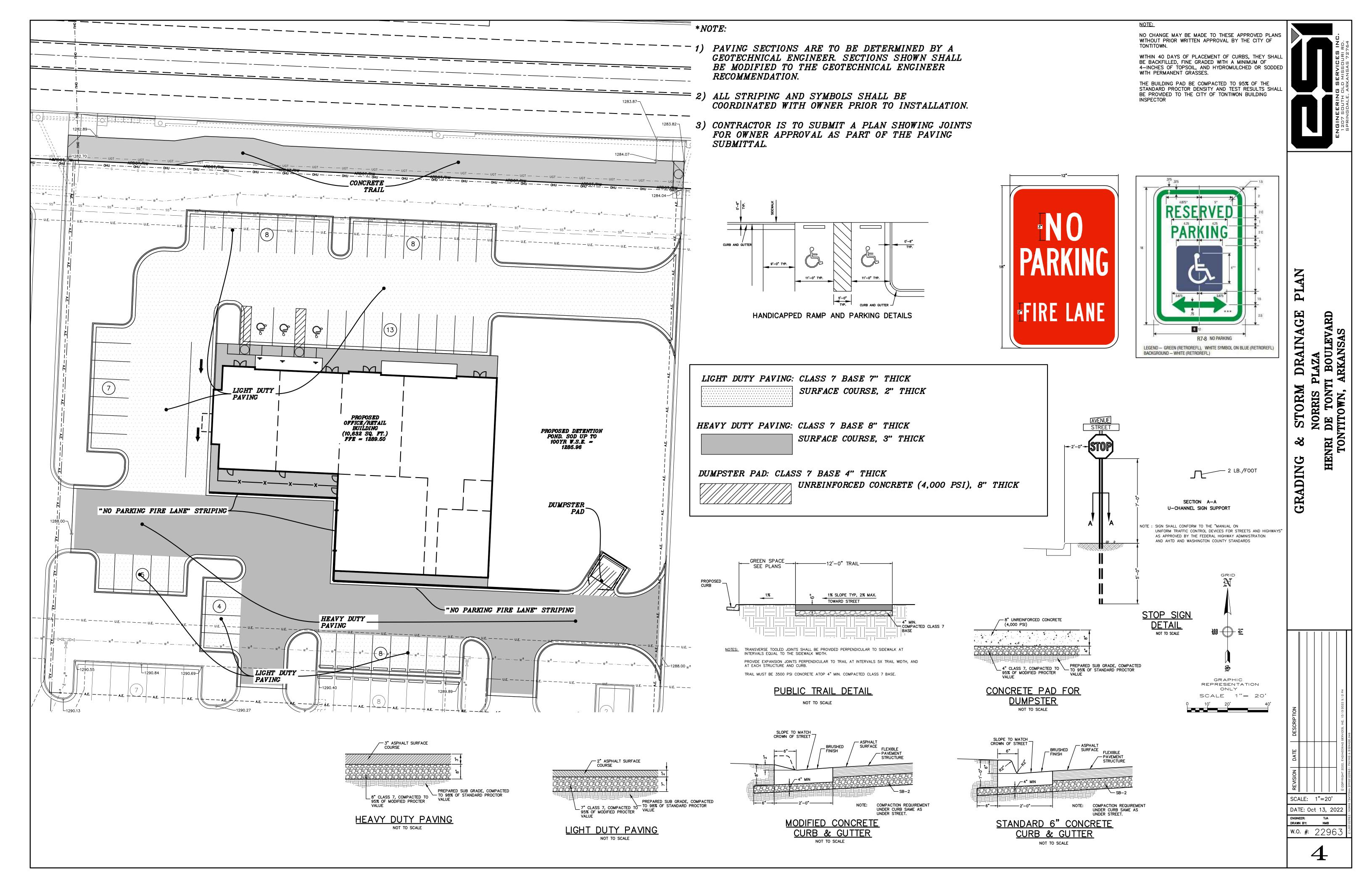
STORM DRAINAGE & GRADING PLA

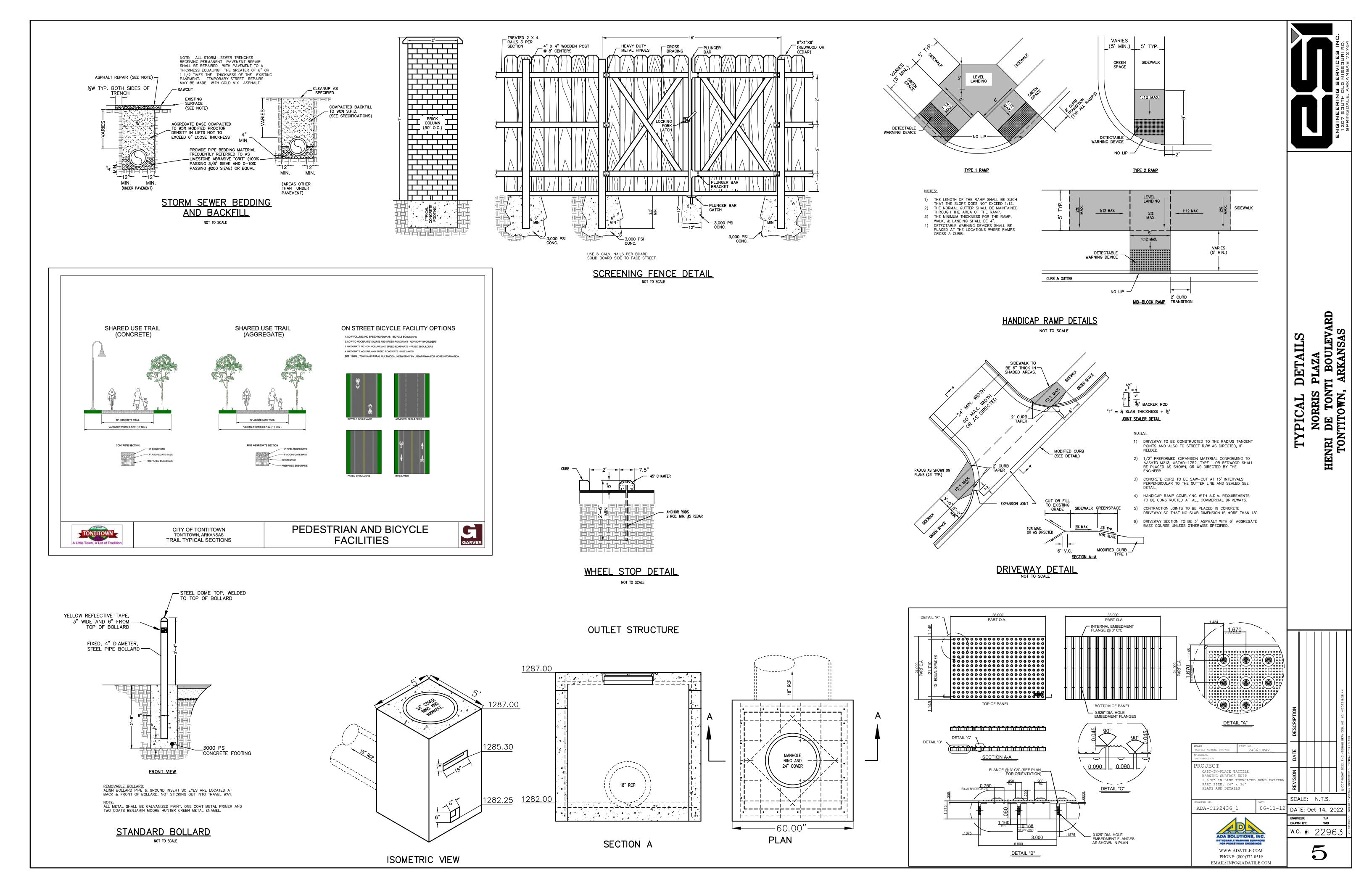
NORRIS PLAZA

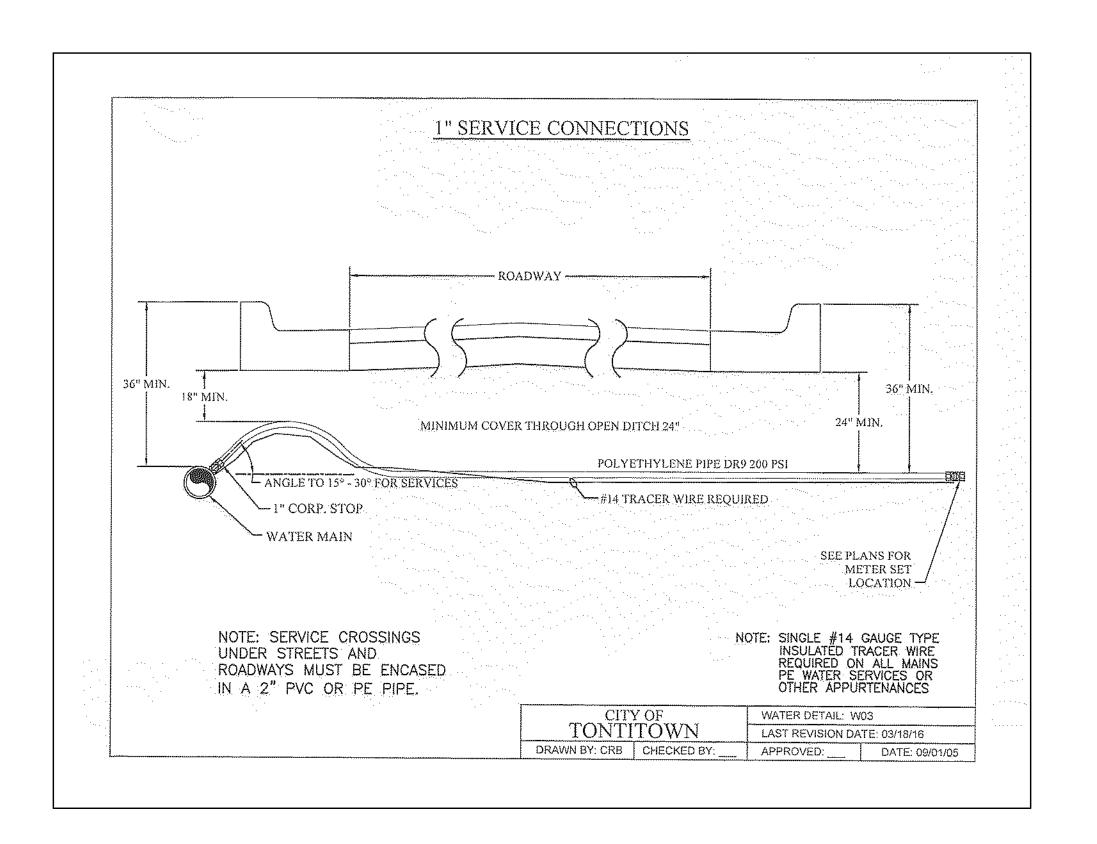
HENRI DE TONTI BOULEVARD

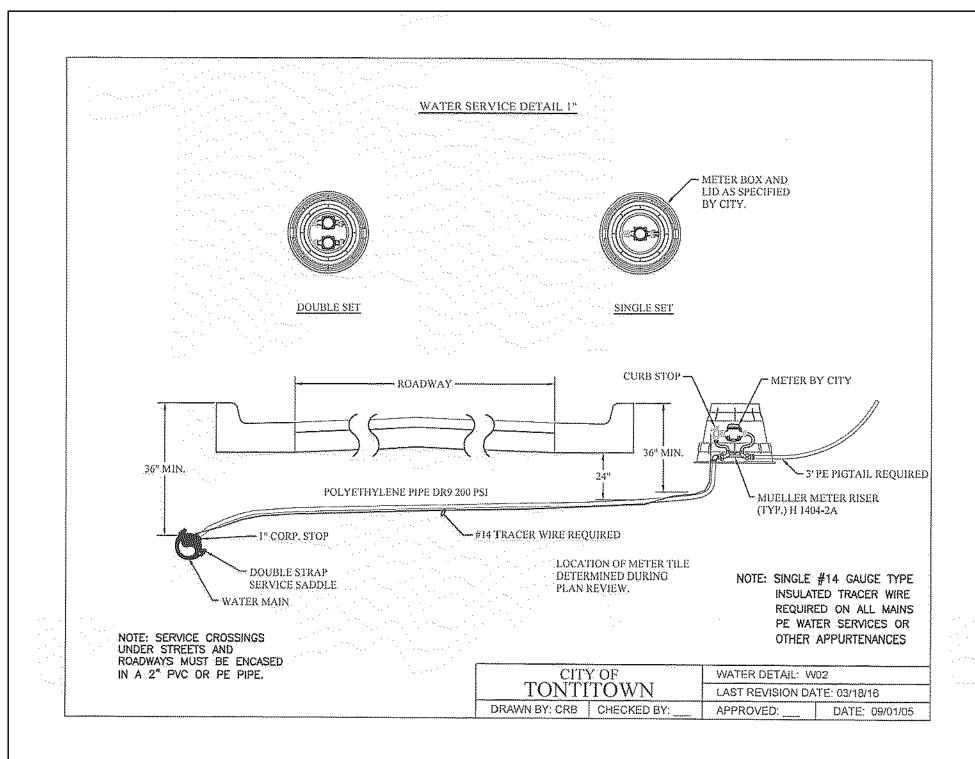
TONTITOWN, ARKANSAS

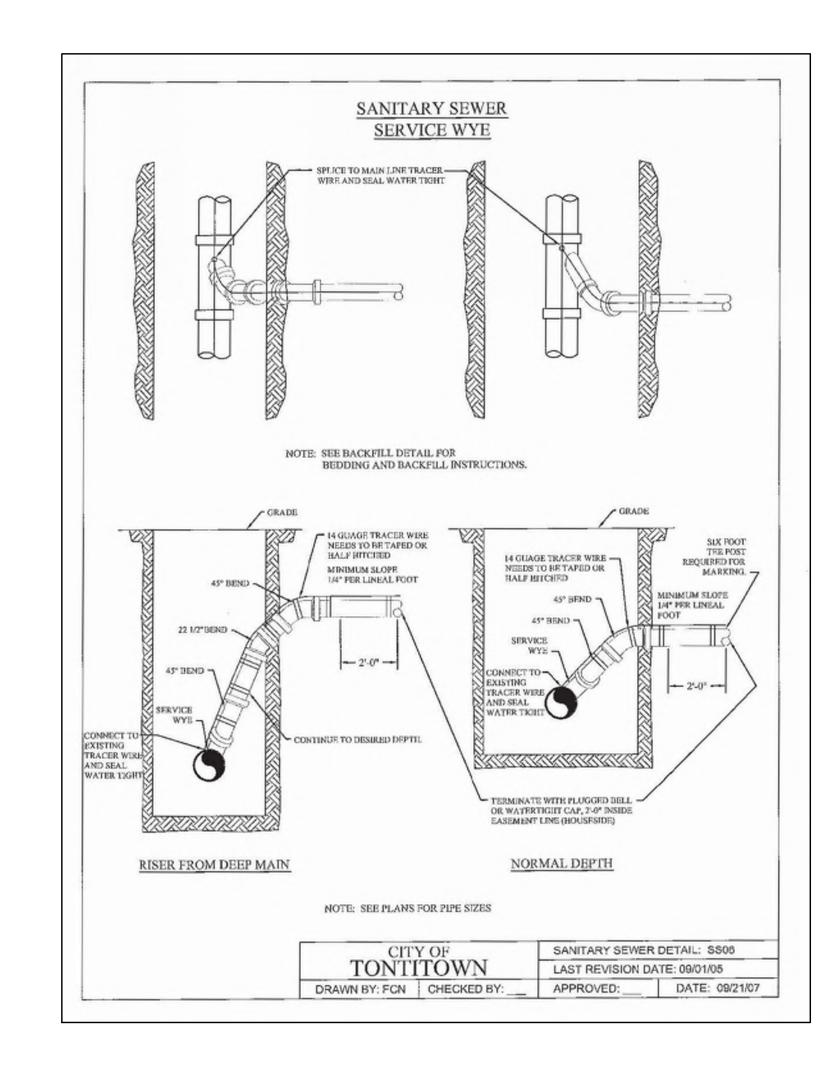






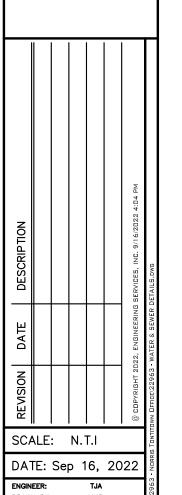






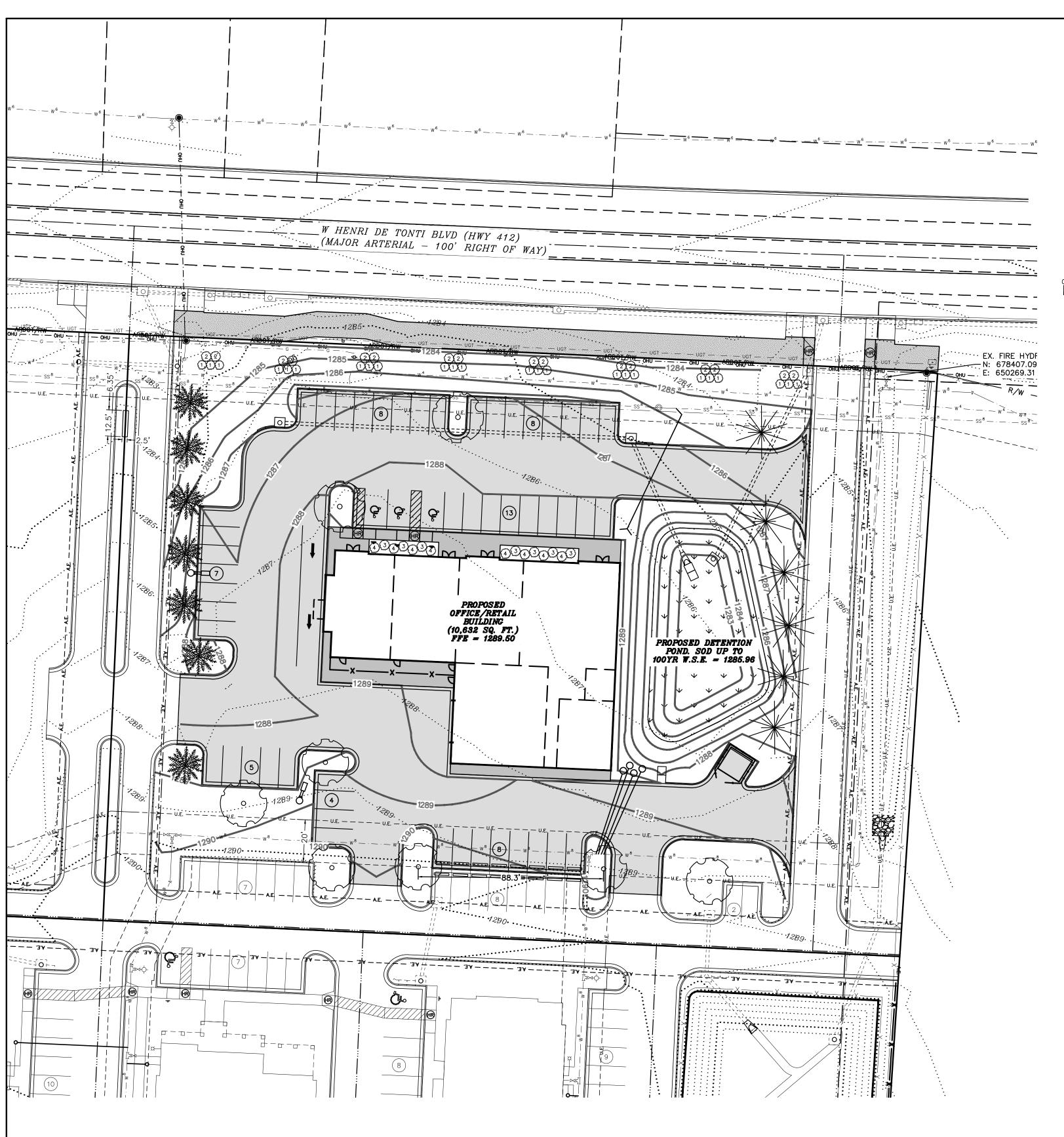


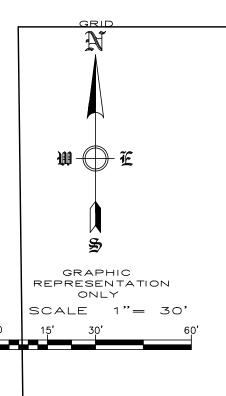
WATER & SEWER DETAILS
NORRIS PLAZA
HENRI DE TONTI BOULEVARD
TONTITOWN, ARKANSAS



6

w.o. #: 22963





INDEX OF TREES							
TREE SYMBOL	COMMON NAME	BOTANICAL NAME	TOTAL # TREES	SIZE			
	SHUMARD OAK	Quercus shumardii	8	3" Cal B & B			
	OKLAHOMA REDBUD	Cercis reniformis 'Oklahoma'	6	1.5" Cal B & B			
	CRABAPPLE	Malus species	7	1.5" Cal B & B			

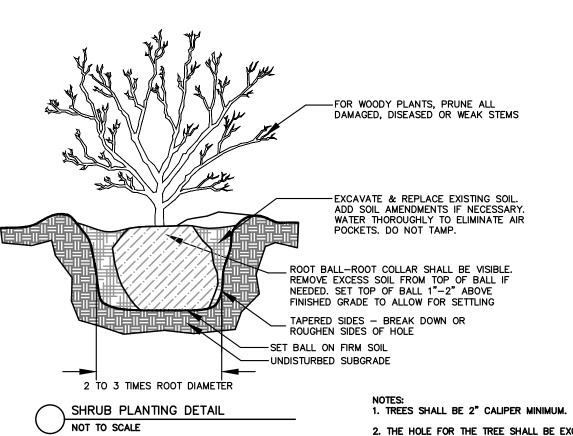
	INDEX OF SHRUBS						
SYMBOL	COMMON NAME	BOTANICAL NAME	TOTAL # PLANTS	SIZE			
(1)	BOXWOOD	Buxus sinica var. insularis 'Wintergreen'	24	3 GAL.			
(2)	SUMMERSWEET	Clethra alnifolia	16	3 GAL.			
(3)	BUTTERFLY BUSH	Buddlei davidii	7	3 GAL.			
4	MUGO PINE	Pinus mugo	8	3 GAL.			

LANDSCAPE NOTES:

- 1. AUTOMATIC IRRIGATION SYSTEM WILL BE PROVIDED FOR ALL LANDSCAPED
- 2. SOIL SHALL BE AMENDED AND ALL ROCKS AND FOREIGN MATERIAL SHALL BE REMOVED PRIOR TO ANY LANDSCAPE INSTALLATION
 3. NOTE THE SIZE OF LANDSCAPE TREES AND MATERIALS AT TIME OF
- 4. WIRE BASKETS AND BURLAP TO BE REMOVED DURING TREE PLANTING. 5. ALL PLANTING BEDS SHALL RECIEVE 6" OF TOPSOIL FREE OF ROCKS/WEEDS/DEBRIS PRIOR TO INSTALLATION OF PLANT MATERIAL
- 6. ALL PLANTING BEDS SHALL RECEIVE RIVER ROCK OR ORGANIC MULCH AT TIME OF INSTALLATION
- THAN VEGETATION/SOD. 8. SHADE TREES SHALL HAVE A MIN. CALIPER OF 2" AND A HEIGHT OF 8'

7. ALL PLANTING BEDS SHALL BE CONTAINED BY EDGING OR MATERIAL OTHER

- 9. ORNAMENTAL TREES SHALL HAVE A MIN. CALIPER OF 1.5" AND A HEIGHT
- 10. ONCE INSTALLED LANDSCAPING SHALL BE MAINTAINED IN A HEALTHY LIVING CONDITION, AND IF PLANT MATERIAL DIES IT SHALL BE REPLACED WITHIN THE NEXT APPROPRIATE GROWING SEASON
- 11. IF CONFLICTS WITH PROPOSED LIGHTS, FIRE HYDRANTS, OR OTHER SITE FEATURES EXIST, TREES OR SHRUBS SHALL BE MOVED AND SHALL NOT
- INTERFERE WITH PROPOSED FEATURES. 12. TREES SHALL BE STAKED AS NECESSARY TO PREVENT LEANING OR FALLING
- 13. TREES SHALL BE AT LEAST 5 FEET FROM ANY UTILITY MAIN LINES.
- 14. PLANT MATERIAL TO BE GUARANTEED FOR A MINIMUM PERIOD OF THREE (3) YEARS FROM DATE OF INSTALLATION.



- 2. THE HOLE FOR THE TREE SHALL BE EXCAVATED 2-3 TIMES THE SIZE OF THE ROOT BALL.
- STAKE ONLY IF NECESSARY AND AS DIRECTED BY THE PROJECT MANAGER.
- 4. REMOVE ANY TWINE, ROPE, FLAGGING, WRAPPING, OR GUARDS FROM TREE.
- 5. PRUNE ONLY DEAD OR BROKEN BRANCHES OR DOUBLE LEADERS AT TIME OF PLANTING.
- 6. ROOTBALL ROOT COLLAR SHALL BE VISIBLE.
 REMOVE EXCESS SOIL FROM TOP OF BALL IF
 NEEDED. SET TOP OF BALL 1" TO 2" ABOVE FINISHED
 GRADE TO ALLOW FOR SETTLING. AFTER SETTING
 BALL IN PLANTING HOLE, CUT AWAY OR REMOVE THE
 ENTIRE WIRE BASKET. CUT OR REMOVE ALL ROPES
 OR TWINE FROM BALL. CUT AWAY OR REMOVE
 BURLAP. IF ROOTBALL BEGINS FALLING APART
 DURING INSTALLATION OR WHILE REMOVING THE WIRE
 BASKET, PEEL THE WIRE AND/OR BURLAP BACK TO THE
 BOTTOM OF THE PLANTING HOLE AND REMOVE ANY
 PEELED BACK MATERIAL.

- SET TREE PLUMB SO THE MAIN LEADER IS STRAIGHT - BEGIN MULCH 3" TO 4" AWAY FROM TRUNK

- EXCAVATE AND REPLACE EXISTING SOIL. ADD SOIL AMENDMENTS IF NECESSARY AS DIRECTED BY PROJECT MANAGER. WATER THOROUGHLY TO ELIMINATE AIR POCKETS. DO NOT TAMP. - WIDE SHALLOW HOLES WITH TAPERED SIDES. BREAK DOWN OR ROUGHEN SIDES OF THE HOLE. - SET BALL ON FIRM SOIL

- UNDISTURBED SUBGRADE 2 TO 3 TIMES ROOTBALL DIAMETER

TREE PLANTING DETAIL NOT TO SCALE

SCALE: 1"=30' DATE: Sep 30, 2022

w.o. #: 22963

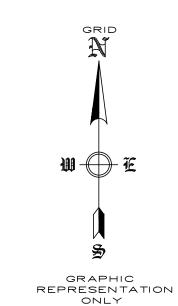
- NATURAL VEGETATION SHALL BE RETAINED WHEREVER
- ALL AREAS WHERE VEGETATION IS DISTURBED.
- 3) STRAW AND WOOD CHIPS SHALL BE PLACED TO PROVIDE TEMPORARY PROTECTION WHILE FINAL GRADING IS BEING COMPLETED.
- 4) PLACE FILTER FABRIC ON ALL CURB INLETS.

1) PLACE FILTER FABRIC ON ALL CURB INLETS.

*BIG REDS ARE USED AS ENERGY DISSIPATION DEVICES *BIG REDS ARE USED TO CONTROL POLLUTANTS DURING STORM WATER DISCHARGE

*BIG REDS MUST BE MAINTAINED UNTIL SITE IS PERMANENTLY STABILIZED

DISTURBED AREA: 1.79 ACRES



SCALE 1"= 30'

NO CHANGE MAY BE MADE TO THESE APPROVED PLANS WITHOUT PRIOR WRITTEN APPROVAL BY THE CITY OF SPRINGDALE.

WITHIN 40 DAYS OF PLACEMENT OF CURBS, THEY SHALL BE BACKFILLED, FINE GRADED WITH A MINIMUM OF 4-INCHES OF TOPSOIL, AND HYDROMULCHED OR SODDED WITH PERMANENT GRASSES.

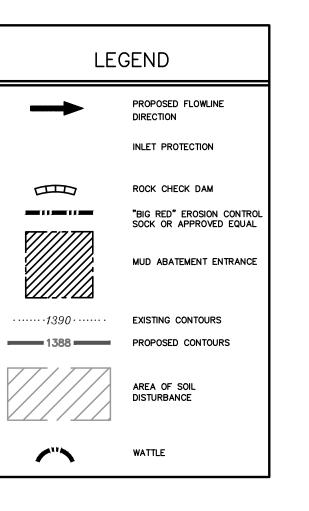
ALL DISTURBED AREAS, THAT ARE NOT PAVED, SHALL BE TOPSOILED, SEEDED AND STRAWED UNTIL GRASS IS

- 1.) ALL DISTURBED AREAS SHALL RECEIVE 4 INCHES OF TOP SOIL AND RE-VEGETATED PER SECTION 169.06 OF THE UDC. VEGETATION MUST BE ESTABLISHED TO MINIMIZE EROSION PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
- 2.) WHEN SILT FENCE OR WATTLES ARE NOT PLACED AT A CONSTANT ELEVATION FOLLOWING CONTOURS ON STEEP SLOPES, THE "J" HOOP METHOD SHOULD BE USED (AT 50 FT INTERVALS) TO CREATE PONDING AND PREVENT EROSION OF THE TRENCH BACKFILL
- OF SILT FENCE INSTALLATION. 3.) ALL GRADED AND OTHERWISE DISTURBED AREAS SHALL BE STABILIZED WITHIN 15 DAYS IMMEDIATELY AFTER GRADING OR
- DISTURBANCE HAS CEASED. 4.) PERMANENT IMPROVEMENTS SUCH AS STREETS, STORM SEWERS, CURB 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 NO LEFT EXPOSED BEYOND THE CAPACITY OF TEMPORARY CONTROL MEASURES. 5.) 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. 6.) RE-VEGETATION. RE-VEGETATION SHALL BE REQUIRED TO MEET THE FOLLOWING PERFORMANCE STANDARDS (SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL RE-VEGETATION IS ESTABLISHED) UNLESS OTHERWISE ALLOWED BY THE CITY ENGINEER: • TOPSOIL. A MINIMUM OF 4 INCHES OF TOPSOIL SHALL BE REQUIRED TO BE EITHER EXISTING OR INSTALLED IN AREAS TO BE
 - REVEGETATED AS SET FORTH IN\$169.06(F)(6) BELOW. ANY APPLICATION OF TOPSOIL AND SEEDING UNDER THE DRIP LINE O A TREE SHOULD BE MINIMIZED TO 3 INCHES SO AS NOT TO DAMAGE THE TREES ROOT SYSTEM.

 ZERO TO 10% GRADE: RE-VEGETATION SHALL BE A MINIMUM OF SEEDING AND MULCHING. SAID SEEDING SHALL PROVIDE COMPLETE AND UNIFORM COVERAGE THAT MINIMIZES EROSION AND RUNOFF. • 10:1 UP TO 4:1 GRADE: RE-VEGETATION SHALL BE A MINIMUM OF HYDRO-SEEDING WITH MULCH AND FERTILIZER, SOD, OR
 - GROUNDCOVER. SAID PLANTING SHALL PROVIDE COMPLETE AND UNIFORM COVERAGE THAT MINIMIZES EROSION AND RUNOFF.

 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 GROUNDCOVER. SAID PLANTING SHALL PROVIDE COMPLETE AND UNIFORM COVERAGE THAT MINIMIZES EROSION AND RUNOFF
 - MORE THAN 3:1 GRADE: ANY FINISH GRADE OVER 3:1 SHALL BE STABILIZED WITH ONE OR MORE OF THE FOLLOWING: • RETAINING WALLS; CRIBBING WITH LANDSCAPE FABRIC; TERRACING WITH GROUNDCOVER; RIPRAP; STAKED SOD (UP TO 2
- IF CRIBBING, TERRACING, OR RIPRAP IS USED, THE SLOPE'S STABILITY AND ERODIBILITY MUST BE EQUIVALENT TO OR BETTER THAN ITS PREDEVELOPMENT STATE. 7.) PERMANENT EROSION CONTROL. THE DEVELOPER SHALL INCORPORATE PERMANENT EROSION CONTROL FEATURES AT THE EARLIES PRACTICAL TIME. TEMPORARY EROSION CONTROL MEASURES WILL BE USED TO CORRECT CONDITIONS THAT DEVELOP DURING
- CONSTRUCTION THAT WERE UNFORESEEN DURING THE DESIGN STAGE, THAT ARE NEEDED PRIOR TO INSTALLATION OF PERMANENT EROSION CONTROL FEATURES, OR THAT ARE NEEDED TEMPORARILY TO CONTROL EROSION THAT DEVELOPS DURING NORMAL CONSTRUCTION PROJECTS, BUT ARE NOT ASSOCIATED WITH PERMANENT CONTROL FEATURES ON THE PROJECT. 8.) DUST. WHERE EXCESSIVE DUST MAY BECOME A PROBLEM, A PLAN FOR SPRAYING WATER ON HEAVILY TRAVELED DIRT AREAS
- SHALL BE ADDRESSED. 9.) CONSTRUCTION EXITS. A STABILIZED ROCK EXIT IS REQUIRED ON CONSTRUCTION SITES. ROCK EXITS MUST BE AT LEAST 20' WIDE BY 50' LONG BY 6 THICK STABILIZED ROCK HAVING A MINIMUM AVERAGE DIAMETER OF 3 IF THERE IS AN EXISTING CURB, LOOSE MATERIAL SUCH AS FILL DIRT OR GRAVEL SHALL NOT BE USED TO RAMP UP TO IT FROM THE STREET. TEMPORARY WOODEN RAMPS IN FRONT OF CURBS ARE ACCEPTABLE.
- 10.) DEBRIS, MUD, AND SOIL IN PUBLIC STREETS. DEBRIS, MUD AND SOIL SHALL NOT BE ALLOWED ON PUBLIC STREETS BUT IF ANY DEBRIS, MUD, OR SOIL FROM DEVELOPMENT SITES REACHES THE PUBLIC STREET IT SHALL BE IMMEDIATELY REMOVED VIA SWEEPING OR OTHER METHODS OF PHYSICAL REMOVAL. DEBRIS, MUD, OR SOIL IN THE STREET MAY NOT BE WASHED OFF THE STREET OR WASHED INTO THE STORM DRAINAGE SYSTEM. STORM DRAINAGE SYSTEMS DOWNSTREAM OF A DEVELOPMENT SITE SHOULD BE PROTECTED FROM DEBRIS, MUD, OR SOIL IN THE EVENT THAT DEBRIS, MUD, OR SOIL REACHES THE DRAINAGE
- 11.) FRANCHISE AND PRIVATE UTILITIES. THE PROPERTY OWNER OR MAIN CONTRACTOR ONSITE WILL BE RESPONSIBLE FOR RESTORING ALL EROSION AND SEDIMENT CONTROL SYSTEMS AND PUBLIC INFRASTRUCTURE DAMAGED OR DISTURBED BY UNDERGROUND PRIVATE OR FRANCHISE 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.

TOTAL DISTURBED AREA: 1.79 ACRES





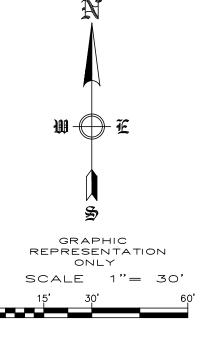
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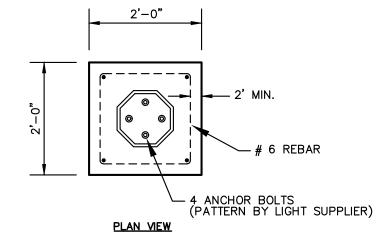
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SCALE: 1"=30' DATE: Oct 13, 2022 w.o. #: 22963

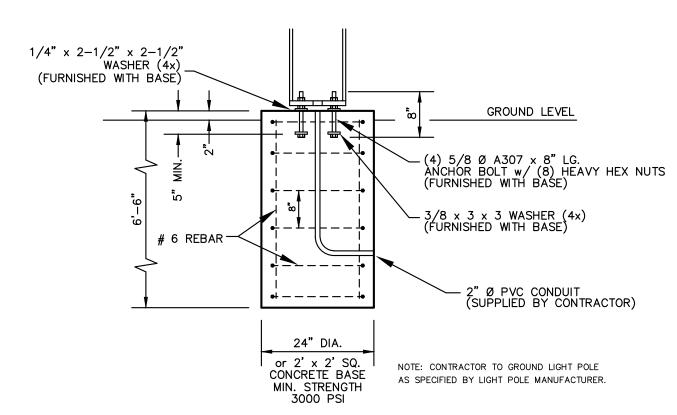
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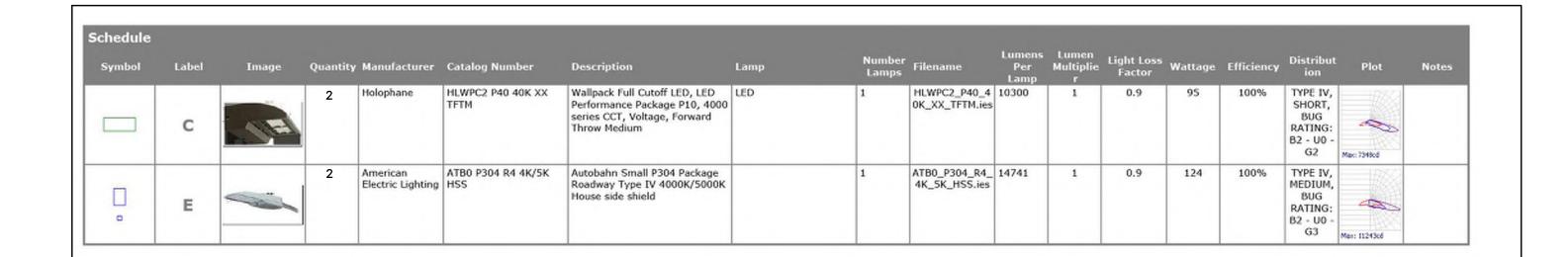


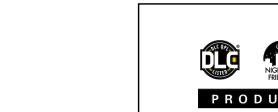
NOTES:

- 1. ALL LIGHTS TO BE PRIVATELY MAINTAINED PARKING LOT
- LIGHTS UNLESS NOTED. 2. SEE ELECTRICAL SITE PLAN FOR LIGHT POLE BASE DETAIL AND
- LIGHTING CONTROL WIRING DIAGRAM. 3. SITE CONTRACTOR TO COORDINATE LIGHTING WITH ELECTRICIAN. 4. PUBLIC STREETLIGHTS TO BE INSTALLED AND MAINTAINED BY OZARK ELECTRIC COOPERATIVE, PAID FOR BY OWNER/DEVELOPER, AND BILLING TO BE PAID BY CITY OF TONTITOWN.



SECTION VIEW LIGHT POLE FOOTING DETAIL





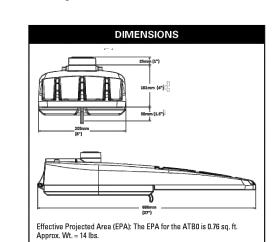
Autobahn Series ATB0 **Roadway Lighting**

PRODUCT OVERVIEW



Applications:

Residential streets Parking lots



DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at $\underline{www.designlights.org/QPL}$ to confirm which versions are qualified. Color temperatures of \leq 3000K must be specified for International Dark-Sky Association certification.

CSA Certified to U.S. and Canadian standards Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

© 2014-2019 Acuity Brands Lighting, Inc. ATB0 02/21/19

American Electric Lighting



HLWPC2 Wallpack® Full Cutoff LED



(86°F), available with P10 thru P40 performance packages,

Light engine housing is IP66 rated
 Acrylic optical system
 Type V: E (entry), M (medium), R (rectangle) & W (wide)

Features: OPTICAL

Same Light: Performance is comparable to 70-250W HPS roadway luminaires. White Light: Correlated color temperature - 4000K, 70 CRI minimum, 3000K,

70 CRI minimum or optional 5000K, 70 CRI minimum. Unique IP66 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, III, IV, and V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated > 100,000 hours at 25°C, L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient. Lower Energy: Saves an expected of 40-60% over comparable HID luminaires.

$Robust \, Surge \, Protection: Three \, different \, surge \, protection \, options \, provide \, a \, minimum \, of \, ANSI \, and \, an$ C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easily leveling

Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 7 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

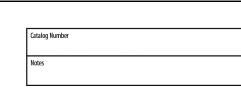
Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" 0.D.) diameter. Provides a 3G vibration rating per ANSI C136.31 Wildlife shield is cast into the housing (not a separate piece).

CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 7 pin receptacle optionally available. Premium solid state locking style photocontrol - PCSS (10 year rated life) Extreme long life solid

state locking style photocontrol - PCLL (20 year rated life). Multi-level dimming available to provide scheduled dimming as specified by the customer.

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

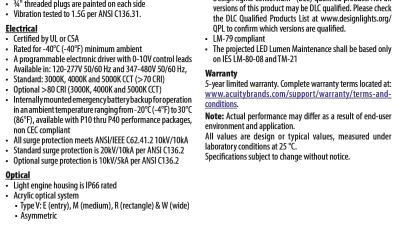


Mechanical

Heavy grade A360 cast aluminum (aluminum with <1%

Field adjustable output (A0) Exterior parts are protected by a zinc-infused Super Durable
 Motion sensor & ambient photocontrol combination for TGIC thermoset powder coat finish that provides superior mounting low (8-15') (MASL) and high (15-30') (MASH) resistance to corrosion and weathering Mounts to a standard junction box Wet location listed IP65 rated housing, down light only ¾" painted threaded entry(¾" - 14 NPT) on each side and on top, accepts ¾" and ½" condiut

 ¾" threaded plugs are painted on each side
 Vibration tested to 1.5G per ANSI C136.31. Certified by UL or CSA Rated for -40°C (-40°F) minimum ambient A programmable electronic university in 10 y Control (1885)
Available in: 120-277V 50/60 Hz and 347-480V 50/60 Hz,
Warranty Standard: 3000K, 4000K and 5000K CCT (>70 CRI) Optional >80 CRI (3000K, 4000K and 5000K CCT) Internally mounted emergency battery backup for operation in an ambient temperature ranging from -20°C (-4°F) to 30°C



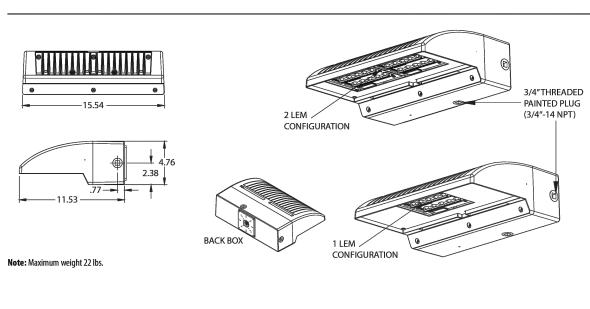
mounting heights

Certification and Standards

Luminaire is CSA listed, US and Canada
 Suitable for operation in an ambient temperature up to

40°C/104°F per UL or CSA certification

Design lights Consortium® (DLC) qualified product. Not all



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SCALE: 1"=30' DATE: Sep 16, 2022

w.o. #: 22963

NORRIS HENRI DE TON' TONTITOWN,