

PLANS FOR A

# LARGE SCALE DEVELOPMENT

TO SERVE

## D & F EQUIPMENT SALES, INC.

A COMMERCIAL DEVELOPMENT

IN

### TONTITOWN, ARKANSAS

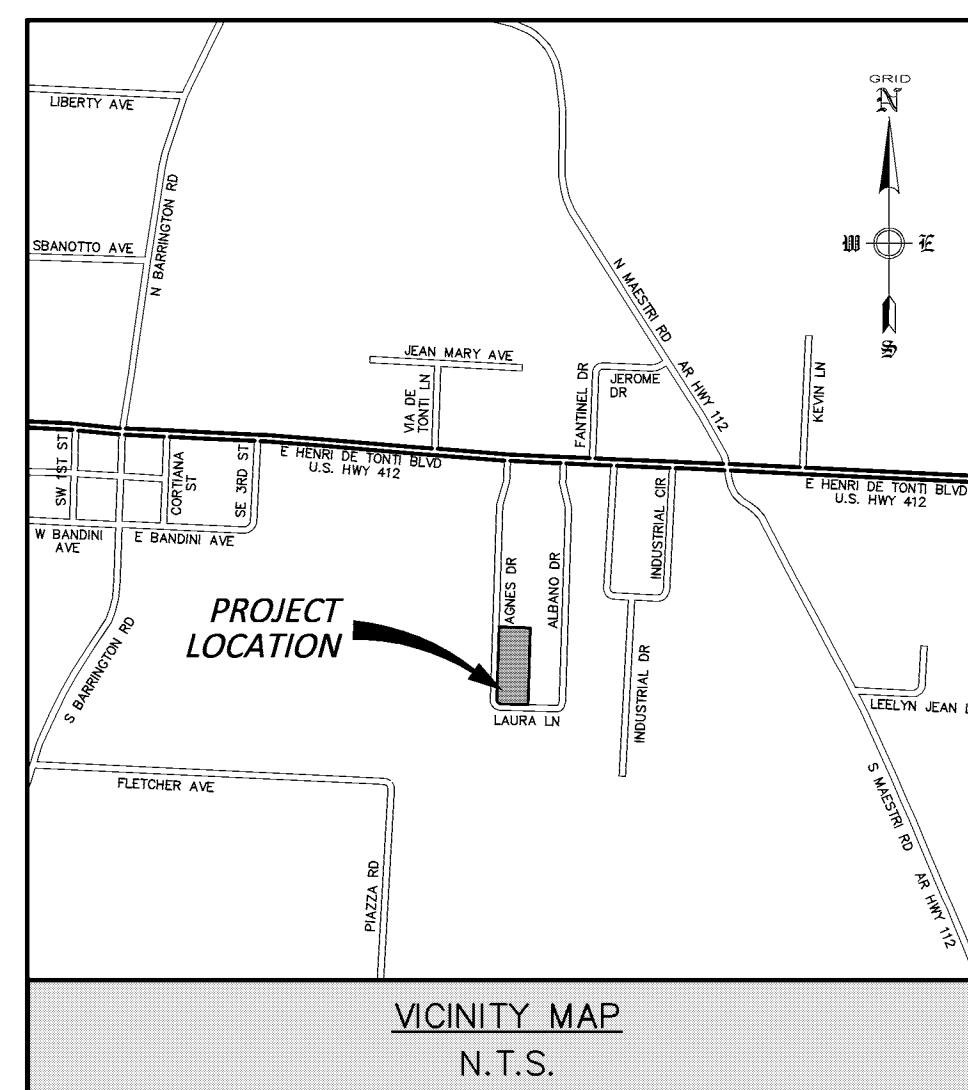
**OWNER/DEVELOPER:** D & F EQUIPMENT SALES, INC.  
P.O. BOX 275  
CROSSVILLE, AL 35962  
(479)872-7842

MAY 20, 2015

BY  
**ENGINEERING SERVICES INC.**



CONSULTING ENGINEERS  
SPRINGDALE, ARKANSAS  
PHONE: 479-751-8733  
FAX: 479-751-8746  
WWW.ENGINEERINGSERVICES.COM



**GENERAL NOTES:**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING STRUCTURES, RELATED UTILITIES, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. THE REMOVAL AND DISPOSAL OF ALL MATERIALS SHALL BE DONE PER ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
2. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION OF THIS PROJECT.
3. THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH DESIGN STANDARDS OF THE CITY OF TONTITOWN. HOWEVER, NEITHER THE ENGINEER NOR ITS EMPLOYEES CAN OR DO ASSURE THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON SITE.
4. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE SAFETY OF BUT NOT LIMITED TO THE PERSONS, PROPERTY, AND EQUIPMENT RELATED TO THE CONSTRUCTION OF THE SITE. THIS REQUIREMENT WILL APPLY DURING THE COMPLETE CONSTRUCTION OF THE PROJECT.
5. ALL CONSTRUCTION IN ARKANSAS DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY SHALL BE APPROVED BY THE ARKANSAS DEPARTMENT OF TRANSPORTATION.

**NOTICE TO BIDDERS:**

SUBCONTRACTOR MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR, THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.

**FLOOD ZONE NOTE:**

THIS PROPERTY IS NOT WITHIN THE 100 YEAR FLOOD ZONE AS SHOWN ON THE F.I.R.M. MAP # 05143C0065 F, WASHINGTON COUNTY, ARKANSAS & INCORPORATED AREAS. EFFECTIVE DATE: MAY 16, 2008.

INDEX OF SHEETS	
SHEET No.	DESCRIPTION
1	LARGE SCALE DEVELOPMENT
2	GRADING PLAN
3	TYPICAL DETAILS
4	UTILITY PLAN
5	LANDSCAPE PLAN
6	STORM WATER POLLUTION PREVENTION PLAN

BO B. WILKINS, P.E. No. 14528  
ENGINEERING SERVICES, INC.

**NOTE :**

ALL CONSTRUCTION MUST COMPLY WITH THE REQUIREMENTS OF THE CITY OF TONTITOWN, ARKANSAS.

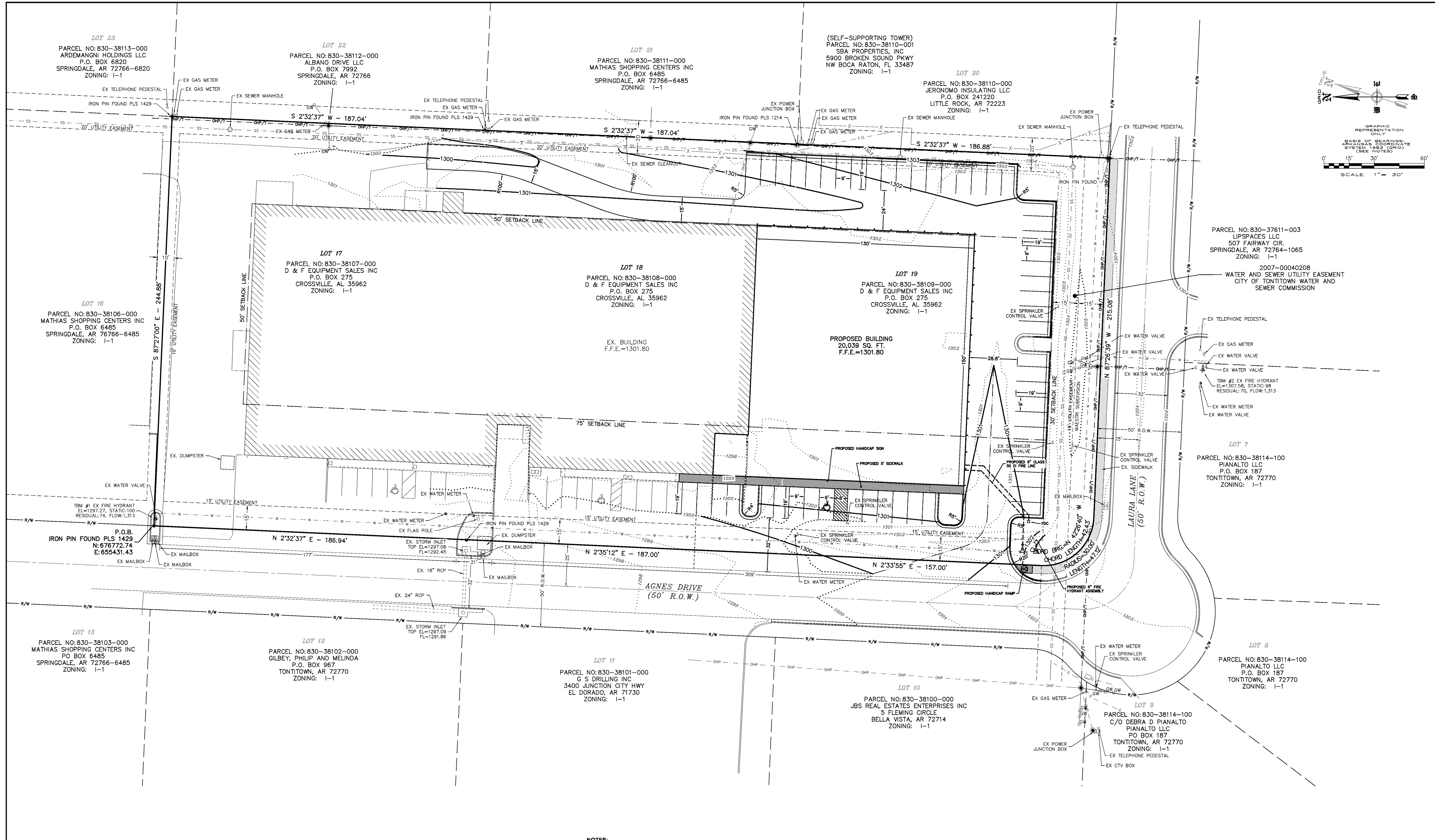
REVISION	DATE	DESCRIPTION
1	5/20/15	TECH PLAT. CHANGES

**COVER SHEET**  
**D & F EQUIPMENT BUILDING EXPANSION**  
**TONTITOWN, ARKANSAS**

DATE: May 20, 2015      DRAWN BY: ---  
**ENGINEERING SERVICES, INCORPORATED**  
**SPRINGDALE, ARKANSAS**

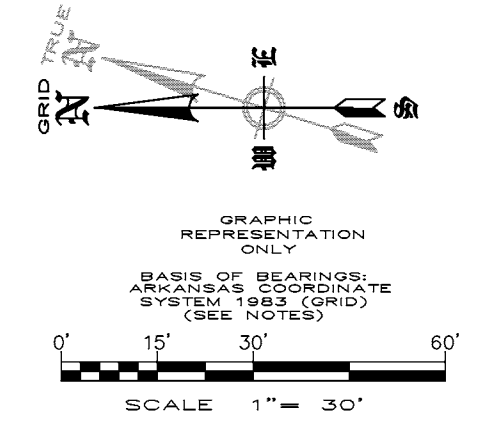
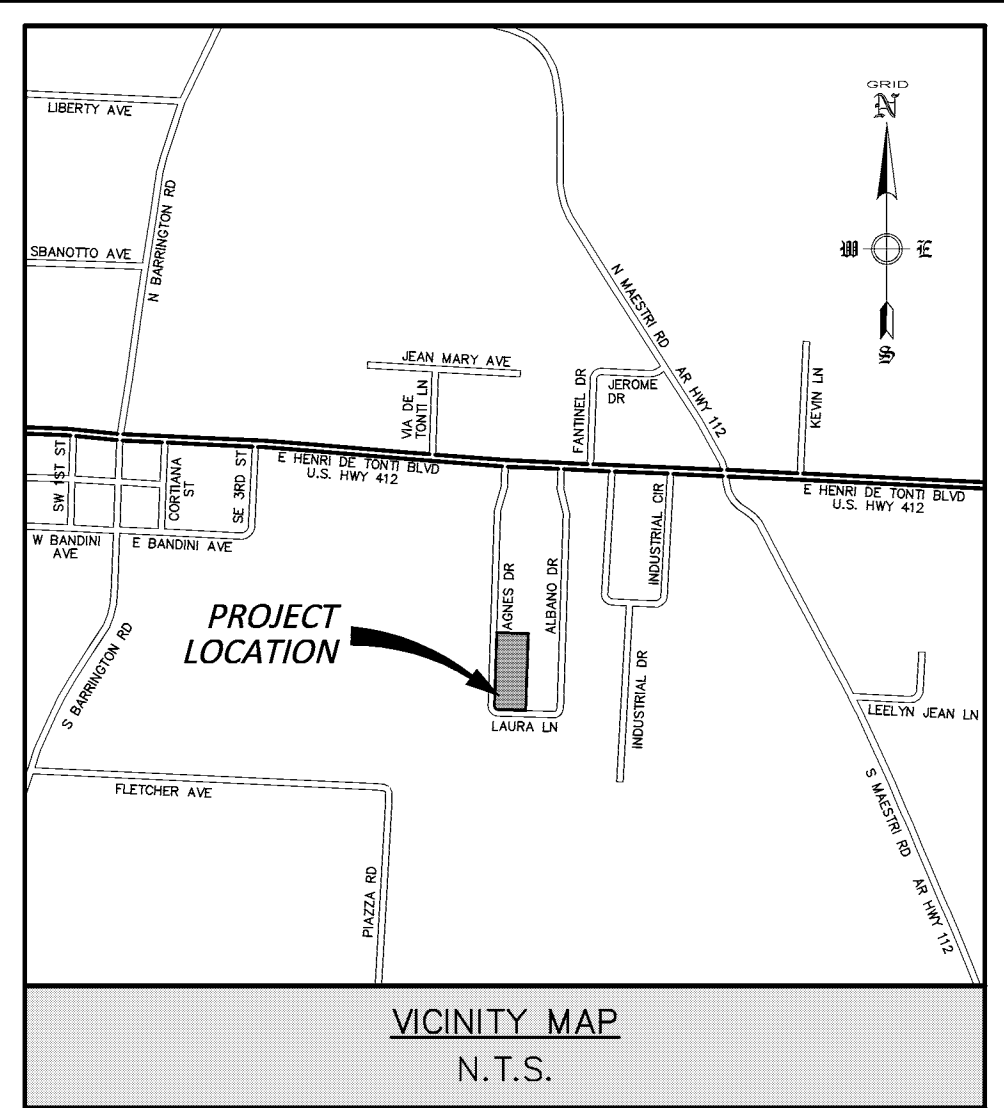
W.O.# 15920





**LEGEND**

- IRON PIN FOUND
- ▲ TEMPORARY BENCHMARK FOUND
- PROPERTY LINE
- EX RIGHT-OF-WAY
- BUILDING SETBACK LINE
- EASEMENT LINE
- EX. ROAD CENTERLINE
- EX. CURB & GUTTER
- EX. CONTOUR
- OHP/T — EX. OVERHEAD POWER & TELEPHONE LINE
- X — EX. FENCE LINE
- G — EX. GAS LINE
- SS — EX. SEWER LINE
- EX. STORM DRAIN LINE
- EX. STORM BOX
- EX. WATER LINE
- EX. FIRE HYDRANT
- EX. GUYWIRE
- EX. SEWER MANHOLE
- EX. POWER POLE
- EX. WATER VALVE
- EX. TELEPHONE PEDESTAL
- EX. GAS METER
- EX. WATER METER
- EX. SEWER CLEAN OUT
- EX. POWER METER
- EX. POWER JUNCTION BOX



**NOTES:**

- ALL PARKING LOT DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED (EXAMPLE: 15'BC) AS TO BACK OF CURB.
- ALL PROPOSED CURBING SHALL BE 6" WIDE X 6" HIGH.
- A.D.A. ACCESSIBLE RAMPS TO HAVE A MAXIMUM INCLINATION RATIO OF 12:1.
- ANY COST OF ADJUSTMENTS, RELOCATION OR DAMAGE OF EXISTING UTILITIES WILL BE THE RESPONSIBILITY OF THE OWNERS/DEVELOPERS.
- THE GLOBAL POSITIONING SYSTEM (GPS) AND CONVENTIONAL TERRESTRIAL SURVEYING EQUIPMENT PROVIDED THE RELATIVE POSITIONING FOR THE TOPOGRAPHIC, PLANIMETRIC AND BOUNDARY LOCATIONS SHOWN HEREON.
- ALL EASEMENTS AND BUILDING SET BACK LINES SHOWN ON DRAWING ARE AS PER THE FINAL PLAT OF MAESTRI SUBDIVISION ON FILE IN THE OFFICE OF THE CIRCUIT CLERK AND EX-OFFICIO RECORDER OF WASHINGTON COUNTY, ARKANSAS.
- THERE ARE NO KNOWN WETLANDS ON THIS PROPERTY.
- NO KNOWN EROSION PROBLEMS EXIST ON THIS SITE.
- THE MAP PROJECTION IS REFERENCED TO THE HORIZONTAL CONTROL DATUM OF NAD83 (NORTH AMERICAN DATUM OF 1983), STATE PLANE COORDINATE SYSTEM, ARKANSAS NORTH ZONE (0301), THE BASIS OF BEARINGS FOR THIS PLAT ARE STATE PLANE GRID BEARING.
- THE VERTICAL DATUM IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). A TEMPORARY BENCHMARK UTILIZING THIS DATUM IS SHOWN HEREON.

**SURVEY DESCRIPTION:**

ALL OF LOTS 17, 18 AND 19 IN MAESTRI SUBDIVISION TO THE CITY OF TONTITOWN, WASHINGTON COUNTY, ARKANSAS, AS PER FINAL PLAT OF SUBDIVISION IN PLAT BOOK 17 AT PAGE 87 ON FILE IN THE OFFICE OF THE CIRCUIT CLERK AN EX-OFFICIO RECORDER OF WASHINGTON COUNTY, ARKANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 17, BEING A FOUND IRON PIN WITH CAP "1429"; THENCE S87°27'00"E A DISTANCE OF 244.88 FEET TO A FOUND IRON PIN WITH CAP "1429"; THENCE S02°32'37"W A DISTANCE OF 187.04 FEET TO A FOUND IRON PIN WITH CAP "1429"; THENCE S02°32'37"W A DISTANCE OF 187.04 FEET TO A FOUND IRON PIN WITH CAP "1429"; THENCE S02°32'37"W A DISTANCE OF 186.88 FEET TO A FOUND 1/2" IRON PIN; THENCE N87°26'39"W A DISTANCE OF 215.08 FEET TO A POINT OF CURVATURE, SAID POINT BEING A SET IRON PIN WITH CAP PLS 1439; THENCE 47.12 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 30.00 FEET SUBTENDED BY A CHORD BEARING OF N42°26'40"W AND A CHORD DISTANCE OF 42.43 FEET TO A POINT OF TANGENCY, SAID POINT BEING A SET IRON PIN WITH CAP PLS 1439; THENCE N02°33'55"E A DISTANCE OF 157.00 FEET TO A POINT; THENCE N02°33'55"E A DISTANCE OF 187.00 FEET TO A FOUND IRON PIN WITH CAP "1429"; THENCE N02°33'55"E A DISTANCE OF 186.94 FEET TO THE POINT OF BEGINNING.

SAID TRACT OR PARCEL OF LAND CONTAINING 3.15 ACRES (137,236 SQ.FT.), MORE OR LESS.

**FLOOD PLAIN ZONING:**

THIS PROPERTY IS NOT WITHIN THE 100 YEAR FLOOD ZONE AS SHOWN ON THE F.I.R.M. MAP #051430005F, PANEL 65 OF 575, WASHINGTON COUNTY, ARKANSAS AND INCORPORATED AREAS; EFFECTIVE DATE: MAY 16, 2008.

**CERTIFICATE OF PRELIMINARY SURVEY ACCURACY:**

I, \_\_\_\_\_, HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A BOUNDARY SURVEY MADE BY ME AND ALL MONUMENTS SHOWN HEREON ACTUALLY EXIST AND THEIR LOCATIONS, SIZE, TYPE AND MATERIAL ARE CORRECTLY SHOWN.

DATE OF EXECUTION: \_\_\_\_\_

REGISTERED LAND SURVEYOR \_\_\_\_\_

STATE OF ARKANSAS REGISTERED No. \_\_\_\_\_

**CERTIFICATE OF PRELIMINARY ENGINEERING ACCURACY:**

I, \_\_\_\_\_, HEREBY CERTIFY THAT THIS PLAN CORRECTLY REPRESENTS A PLAN MADE UNDER MY DIRECTION AND ENGINEERING REQUIREMENTS OF THE TONTITOWN SUBDIVISION REGULATIONS HAVE BEEN COMPLIED WITH.

DATE OF EXECUTION: \_\_\_\_\_

REGISTERED ENGINEER \_\_\_\_\_

STATE OF ARKANSAS REGISTERED No. \_\_\_\_\_

**CERTIFICATE OF APPROVAL:**

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

DATE OF EXECUTION: \_\_\_\_\_

SIGNED: \_\_\_\_\_

TONTITOWN PLANNING COMMISSION CHAIRMAN

SIGNED: \_\_\_\_\_

MAYOR, CITY OF TONTITOWN

SIGNED: \_\_\_\_\_

RECORDER/TREASURER, CITY OF TONTITOWN

**OWNER/DEVELOPER:** D & F EQUIPMENT SALES, INC  
P.O. BOX 275  
CROSSVILLE, AL 35962  
(479)872-7842

**ENGINEER:** ENGINEERING SERVICES, INC.  
1207 S. OLD MISSOURI RD.  
P.O. BOX 282  
SPRINGDALE, AR 72762  
(479)751-8733

**WATER /SEWER DEPARTMENT:** CITY OF TONTITOWN WATER AND SEWER COMMISSION  
201 E. HENRI DE TONTI BLVD  
TONTITOWN, AR 72770  
PH: 479-361-2996  
FAX: 501-421-8774

**PLANNING DEPARTMENT:** PLANNING AND ZONING DEPARTMENT  
235 E. HENRI DE TONTI  
TONTITOWN, AR 72770  
PH: 479-361-3702  
FAX 501-421-0012

**BUILDING DEPARTMENT:** CITY OF TONTITOWN'S BUILDING DEPT.  
235 E. HENRI DE TONTI  
TONTITOWN, AR 72770  
PH: 479-361-3702  
FAX 501-421-0012

**ZONING:** I-1

**LOT ACRAGE:** 3.15

**BUILDING SIZE:** ±62,039 SQ FT TOTAL

**PROPOSED USE:** OFFICE, WAREHOUSE AND MANUFACTURING

**PARKING SPACES REQUIRED:** 71 ( W / 3 A.D.A. ACCESSIBLE )

( Office = 3,500 sq. ft. 1 space per 300 sq. ft. = 12 )  
( Warehouse = 22,000 sq. ft. 1 space per 2,000 sq. ft. +5 = 16 )  
( Manufacturing = 16,500 sq. ft. 1 space per 600 sq. ft. = 28 )  
( New Warehouse = 20,039 sq. ft. 1 space per 2,000 sq. ft. +5 = 15 )

**PARKING SPACES PROVIDED:** 71 ( W / 3 A.D.A. ACCESSIBLE )

REVISION	DATE	DESCRIPTION
1	5/20/15	TECH PLAT CHANGES

**LARGE SCALE DEVELOPMENT**

**D & F EQUIPMENT BUILDING EXPANSION**

**TONTITOWN, ARKANSAS**

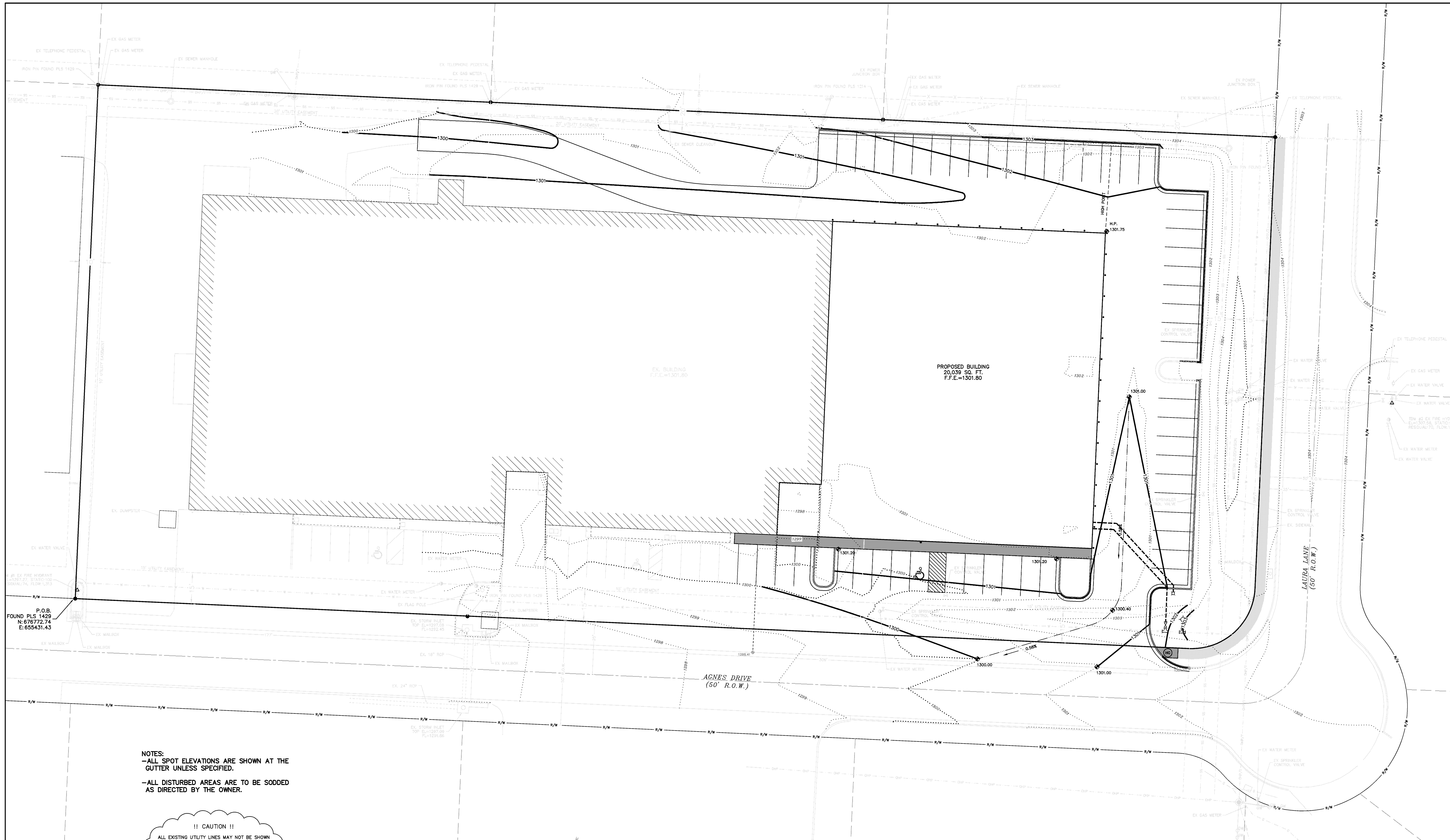
SCALE: 1"=30' DATE: May 20, 2015 DRAWN BY: ---

**ENGINEERING SERVICES, INCORPORATED**

**SPRINGDALE, ARKANSAS**

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W.O.# 15920 SHEET 1

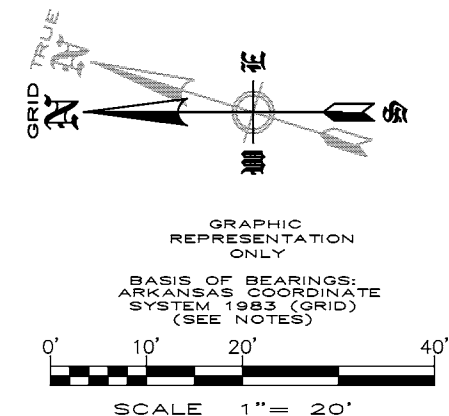




**NOTES:**  
 -ALL SPOT ELEVATIONS ARE SHOWN AT THE GUTTER UNLESS SPECIFIED.  
 -ALL DISTURBED AREAS ARE TO BE SODDED AS DIRECTED BY THE OWNER.

**!! CAUTION !!**  
 ALL EXISTING UTILITY LINES MAY NOT BE SHOWN ON THESE PLANS  
 ALSO, EXACT LOCATIONS & DEPTHS UNKNOWN - CONTRACTOR SHALL CONTACT UTILITY COMPANIES & FIELD VERIFY LOCATIONS, DEPTHS & POSSIBLE EXISTENCE OF UN-NOTED UTILITIES BEFORE BEGINNING CONSTRUCTION

CAUTION: OTHER UTILITY LINES MAY BE PRESENT ON THIS SITE. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND FIELD VERIFY ALL UTILITY LOCATIONS BEFORE BEGINNING ANY CONSTRUCTION.



**FLOOD PLAIN ZONING:**  
 THIS PROPERTY IS NOT WITHIN THE 100 YEAR FLOOD ZONE AS SHOWN ON THE F.I.R.M. MAP #05143C0065F, PANEL 65 OF 575, WASHINGTON COUNTY, ARKANSAS AND INCORPORATED AREAS. EFFECTIVE DATE: MAY 16, 2008.

REVISION	DATE	DESCRIPTION
1	5/20/15	TECH PLAT CHANGES

**GRADING PLAN**

**D & F EQUIPMENT BUILDING EXPANSION**

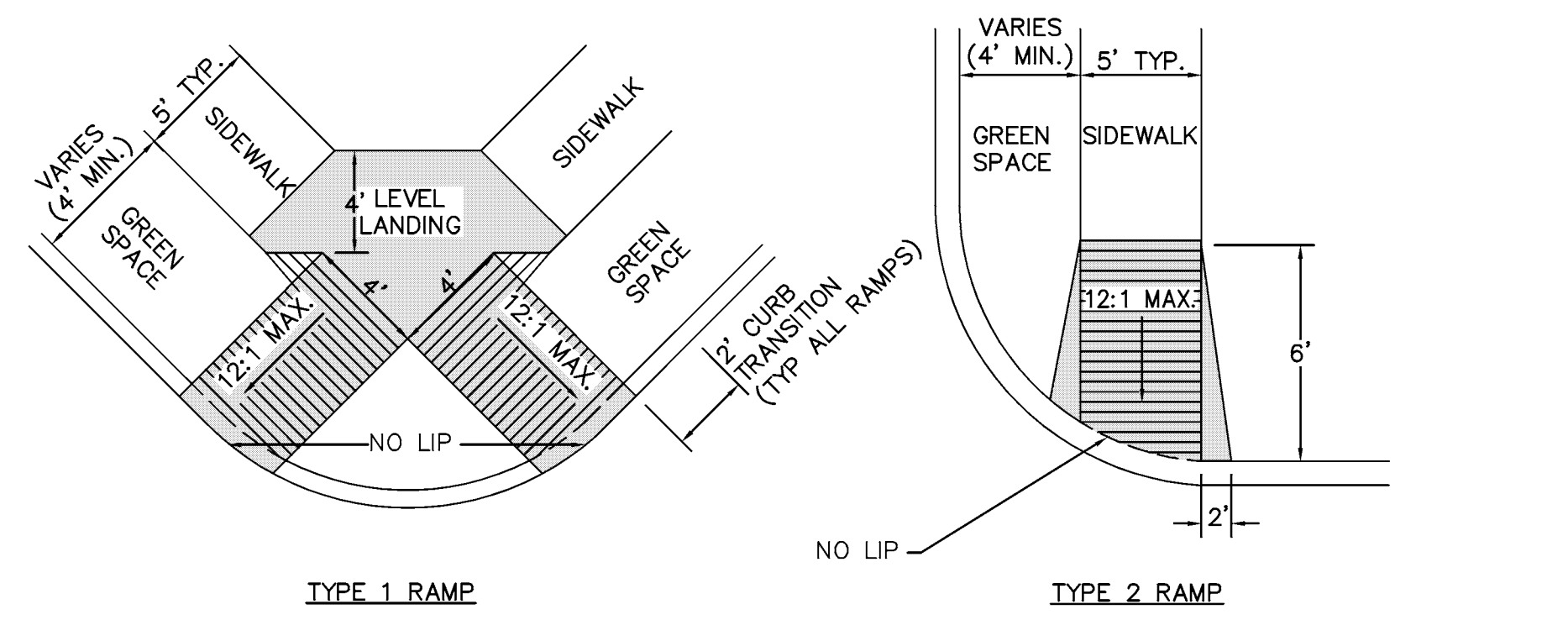
**TONTOWN, ARKANSAS**

SCALE: 1"=20'    DATE: May 20, 2015    DRAWN BY: ---

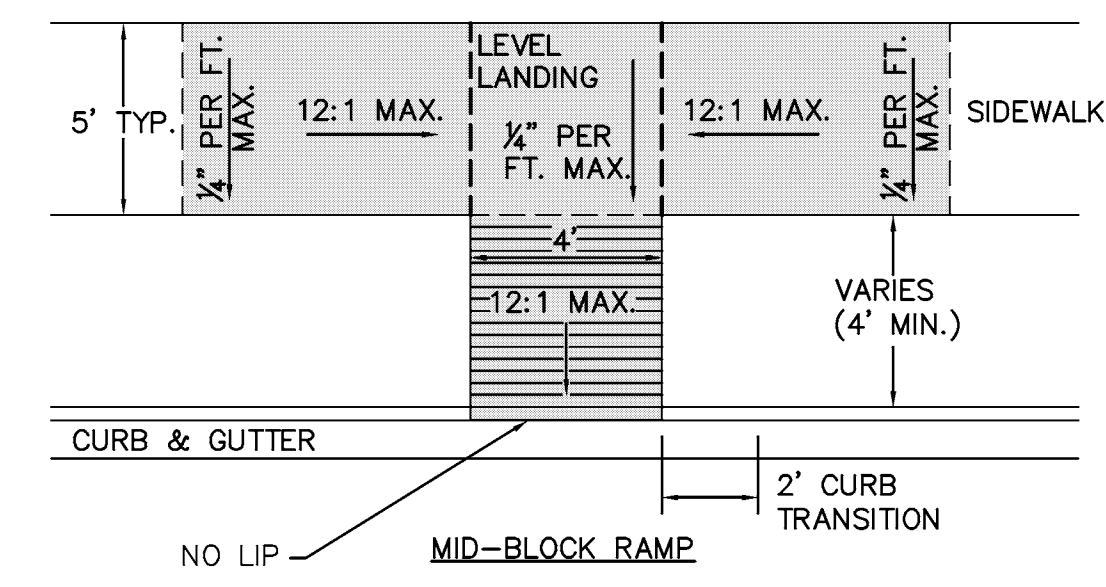
**ENGINEERING SERVICES, INCORPORATED**  
**SPRINGDALE, ARKANSAS**

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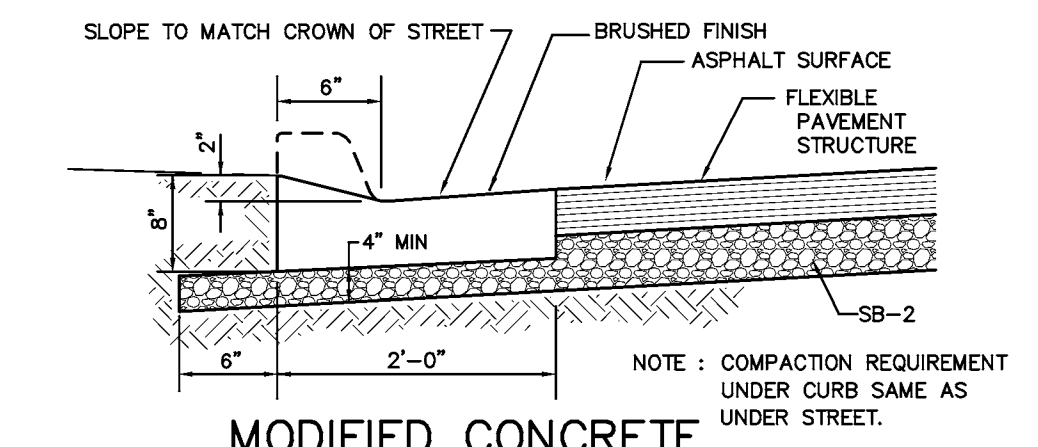




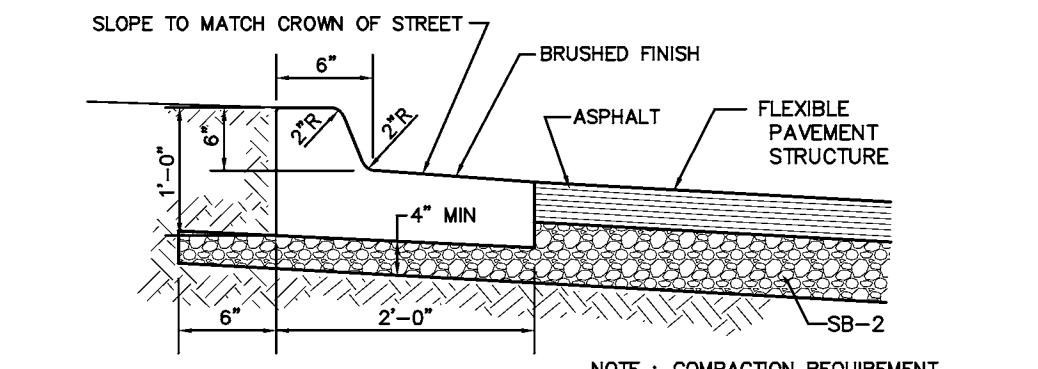
- NOTES:
1. THE LENGTH OF THE RAMP SHALL BE SUCH THAT THE SLOPE DOES NOT EXCEED 12:1.
  2. THE NORMAL GUTTER SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
  3. THE MINIMUM THICKNESS FOR THE RAMP, WALK, & LANDING SHALL BE 4".



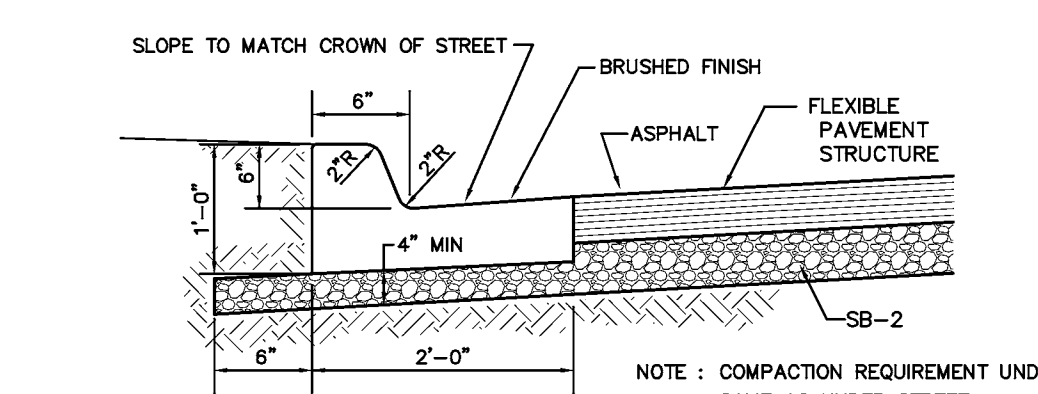
**WHEELCHAIR RAMP DETAILS**  
NOT TO SCALE



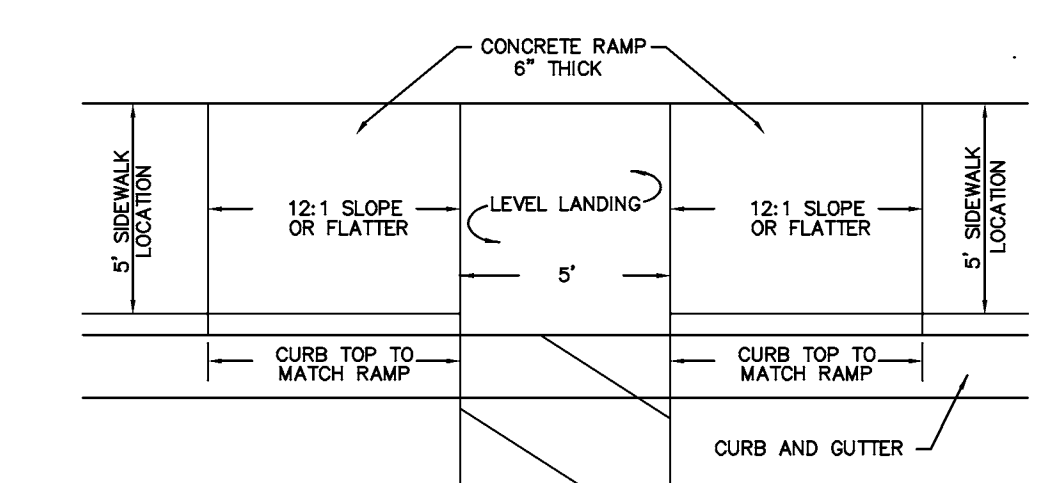
**MODIFIED CONCRETE CURB & GUTTER**



**STANDARD 6" CONCRETE SPILL CURB & GUTTER**



**STANDARD 6" CONCRETE CURB & GUTTER**

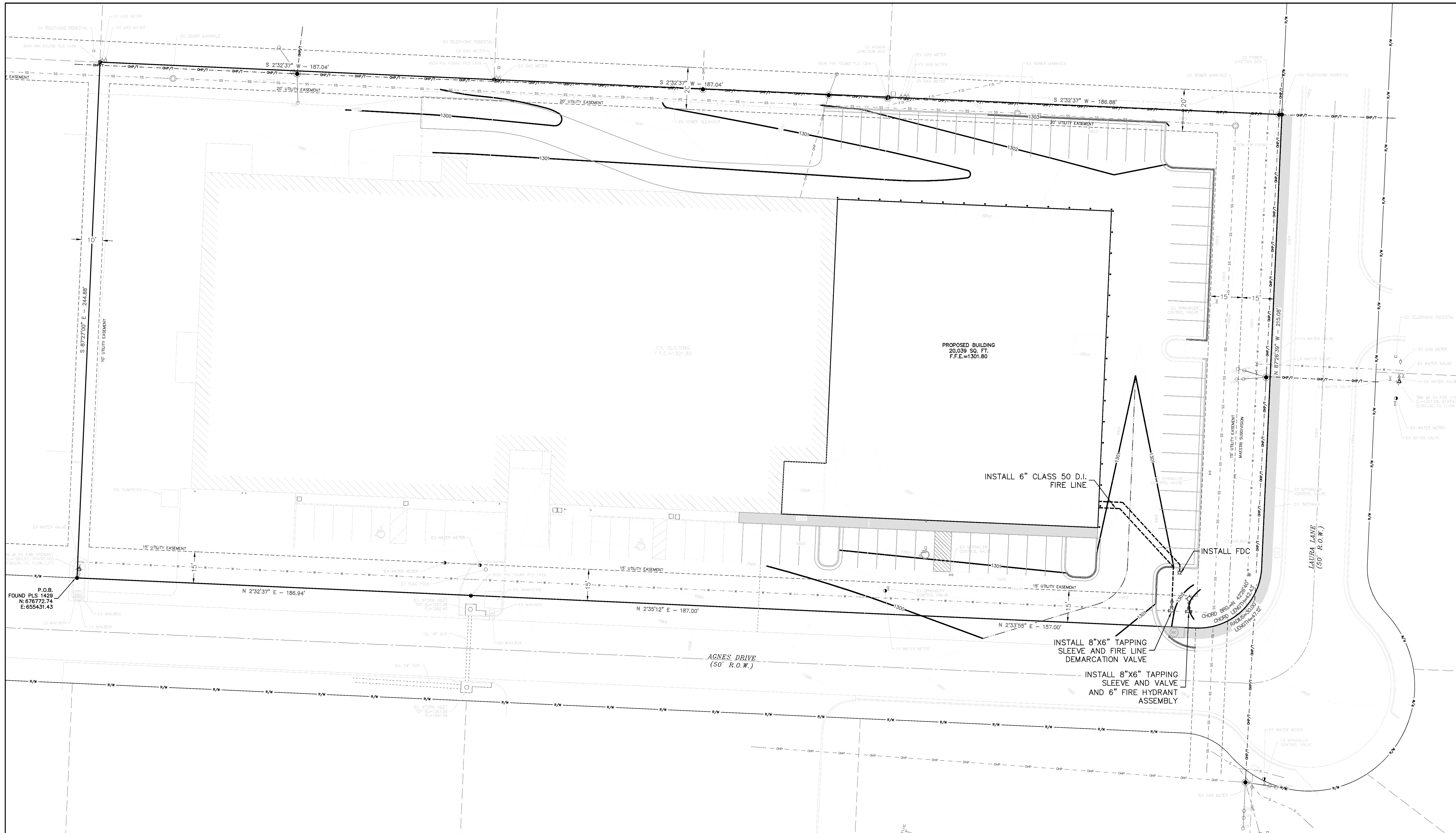


**HANDICAPPED RAMP DETAIL**  
(TO BE PLACED AT LOCATIONS SHOWN BY (HR) ON PLAN)

REVISION	DATE	DESCRIPTION
1	5/20/15	TECH PLAT CHANGES

**TYPICAL DETAILS**  
**D & F EQUIPMENT BUILDING EXPANSION**  
**TONTITOWN, ARKANSAS**  
 SCALE: N.T.S. DATE: May 20, 2015 DRAWN BY: ---  
**ENGINEERING SERVICES, INCORPORATED**  
**SPRINGDALE, ARKANSAS**





P.O.B.  
FOUND PLS 1429  
N: 676772.74  
E: 653431.43

PROPOSED BUILDING  
20,039 SQ. FT.  
F.F.E.=1301.80

INSTALL 6" CLASS 50 D.I.  
FIRE LINE

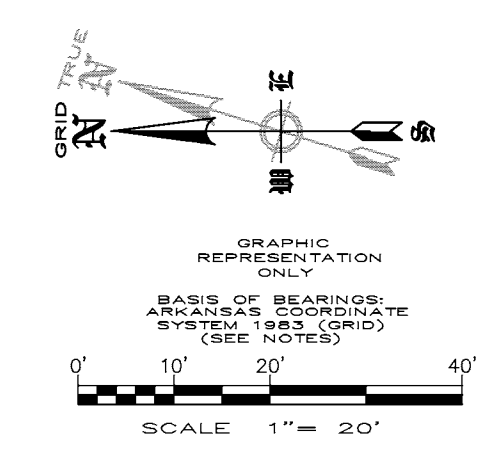
INSTALL FDC

INSTALL 8"x6" TAPPING  
SLEEVE AND FIRE LINE  
DEMARICATION VALVE

INSTALL 8"x6" TAPPING  
SLEEVE AND VALVE  
AND 6" FIRE HYDRANT  
ASSEMBLY

AGNES DRIVE  
(50' R.O.W.)

LAURA LANE  
(50' R.O.W.)



OWNER/DEVELOPER:

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CROSSVILLE, AL 35662  
(479)872-7842

ENGINEER:

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P.O. BOX 282  
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(479)751-8733

REVISION	DATE	DESCRIPTION
1	5/20/15	TECH PLAT CHANGES

**UTILITY PLAN**

**D & F EQUIPMENT BUILDING EXPANSION**

**TONTOWN, ARKANSAS**

SCALE: 1"=20'    DATE: May 20, 2015    DRAWN BY: ---

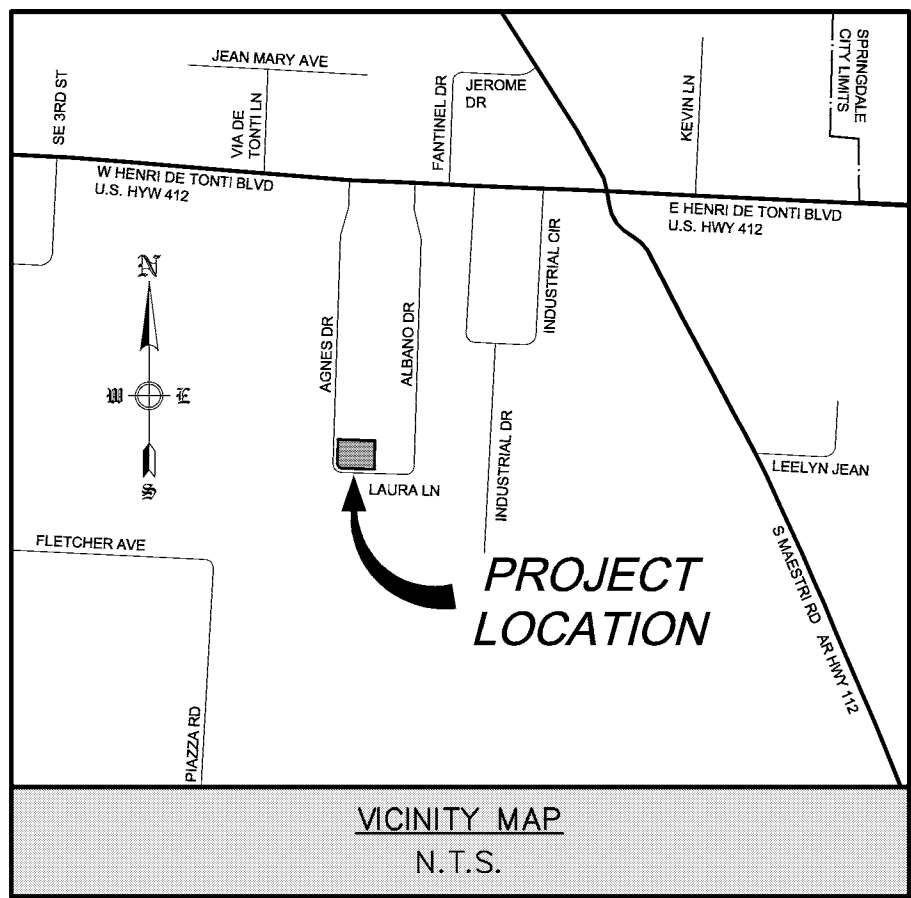
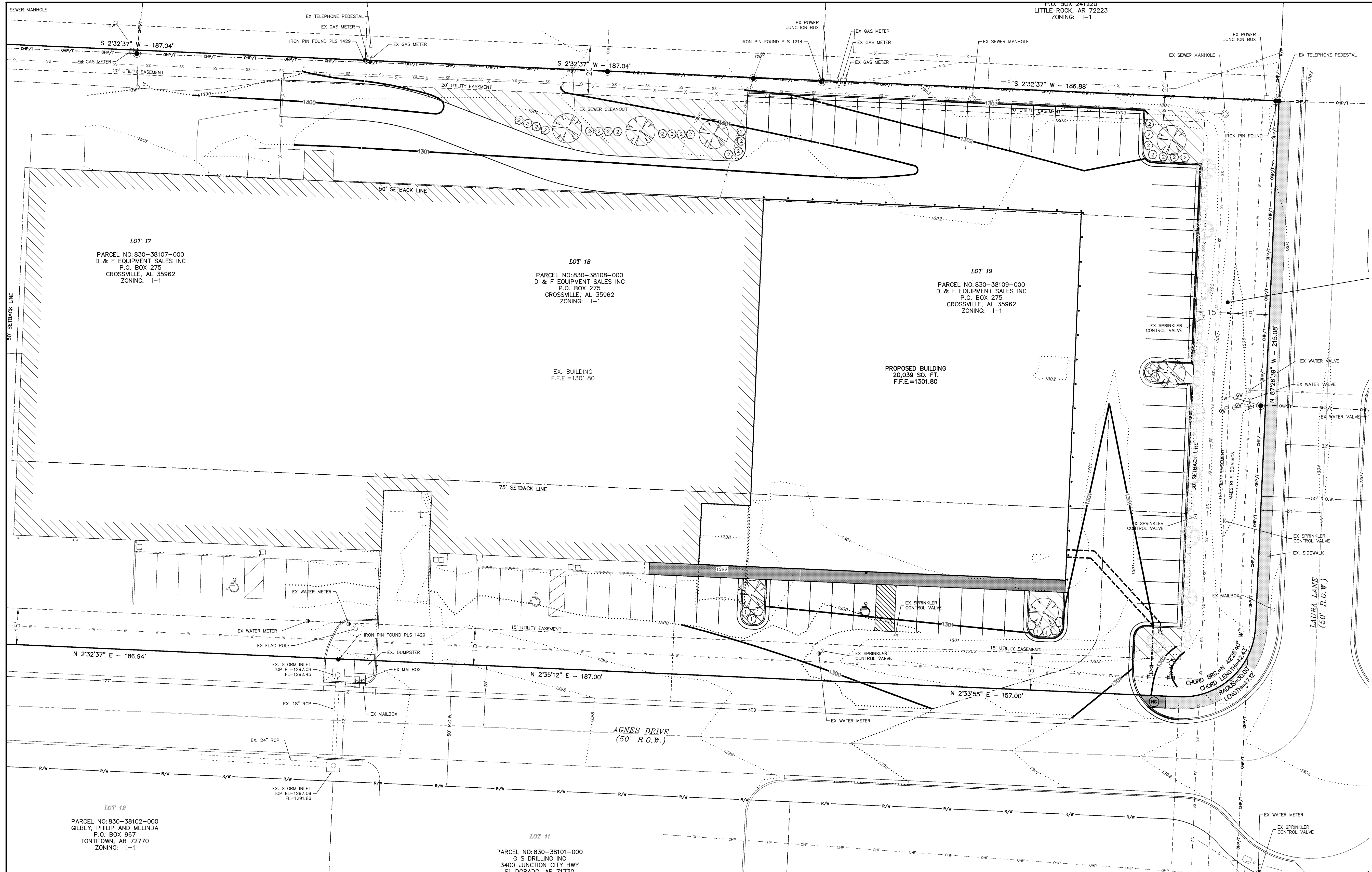
**ENGINEERING SERVICES, INCORPORATED**

**SPRINGDALE, ARKANSAS**

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W.O.# 15920    SHEET 4

**FLOOD PLAIN ZONING:**  
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FAX: 501-421-0012

**ZONING:** I-1

**LOT 17**  
PARCEL NO: 830-38107-000  
D & F EQUIPMENT SALES INC  
P.O. BOX 275  
CROSSVILLE, AL 35962  
ZONING: I-1

**LOT 18**  
PARCEL NO: 830-38108-000  
D & F EQUIPMENT SALES INC  
P.O. BOX 275  
CROSSVILLE, AL 35962  
ZONING: I-1

**LOT 19**  
PARCEL NO: 830-38109-000  
D & F EQUIPMENT SALES INC  
P.O. BOX 275  
CROSSVILLE, AL 35962  
ZONING: I-1

**LOT 12**  
PARCEL NO: 830-38102-000  
GILBEY, PHILIP AND MELINDA  
P.O. BOX 987  
TONTITOWN, AR 72770  
ZONING: I-1

**LOT 11**  
PARCEL NO: 830-38101-000  
G S DRILLING INC  
3400 JUNCTION CITY HWY  
EL DORADO, AR 71730  
ZONING: I-1

INDEX OF TREES				
TREE SYMBOL	COMMON NAME	BOTANICAL NAME	TOTAL # TREES	SIZE
	WILLOW OAK	Quercus phellos	7	2.5" Cal. Min.

INDEX OF SHRUBS				
PLANT SYMBOL	COMMON NAME	BOTANICAL NAME	TOTAL # PLANTS	SIZE
①	DWARF BUMALD SPIREA	Spiraea 'x' bumalda	11	5 GAL.
②	WINTERGREEN BOXWOOD	Buxus 'x' sempervirens	23	5 GAL.

**NOTE:**

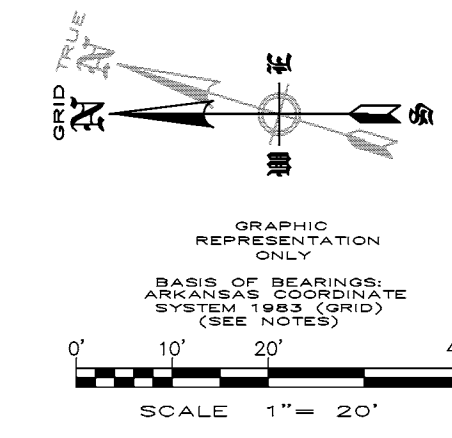
EXISTING LANDSCAPING PREVIOUSLY INSTALLED ON LAURA LANE SHALL SERVE AS STREET FRONTAGE LANDSCAPING FOR THIS PROJECT IN ACCORDANCE WITH CITY OF TONTITOWN STANDARDS.

LANDSCAPING REQUIREMENTS	
TOTAL NEW PARKING LOT AREA:	25,816 S.F.
INTERIOR LANDSCAPING REQUIRED (8%):	2,065 S.F.
INTERIOR LANDSCAPING PROVIDED (16%):	4,197 S.F.

INTERIOR LANDSCAPING

**LANDSCAPING NOTES:**

- ALL LANDSCAPING SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE CITY OF TONTITOWN LANDSCAPE ORDINANCE.
- ALL LANDSCAPING TO BE DRESSED WITH 4" OF MULCH AFTER INSTALLATION.
- ALL AREAS NOT TO BE MULCHED ARE TO BE SODDED.
- ALL LANDSCAPING SHALL BE GUARANTEED FOR A PERIOD OF THREE YEARS FROM THE TIME OF INSTALLATION.
- A HOSE BIB SHALL BE PROVIDED FOR IRRIGATION PURPOSES.



REVISION	DATE	DESCRIPTION
1	5/20/15	TECH PLAT CHANGES

**LANDSCAPE PLAN**

**D & F EQUIPMENT BUILDING EXPANSION**

**TONTITOWN, ARKANSAS**

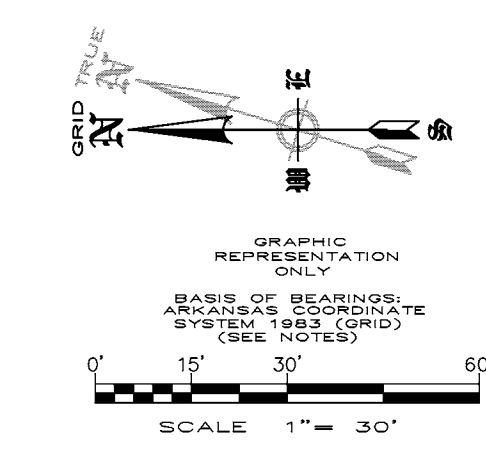
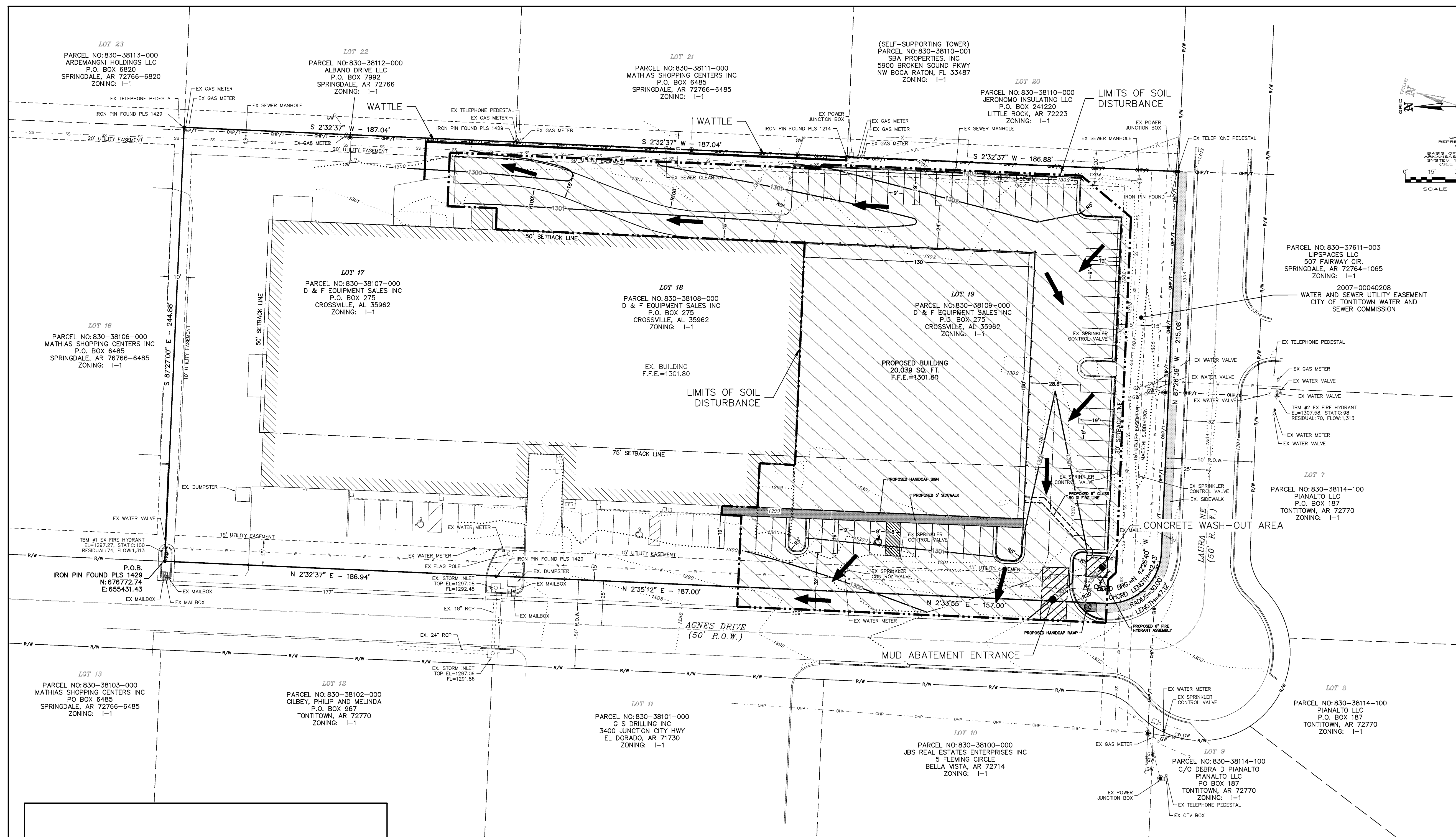
SCALE: 1"=20'    DATE: May 20, 2015    DRAWN BY: ---

**ENGINEERING SERVICES, INCORPORATED**  
SPRINGDALE, ARKANSAS

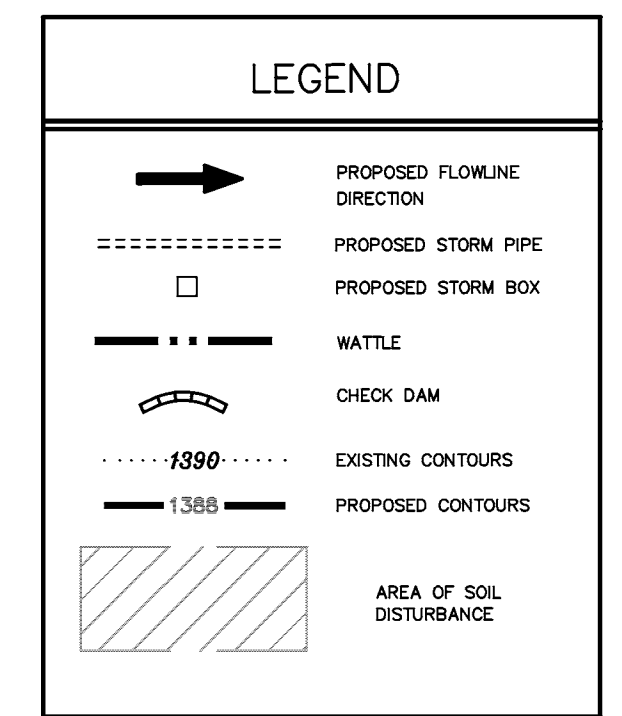
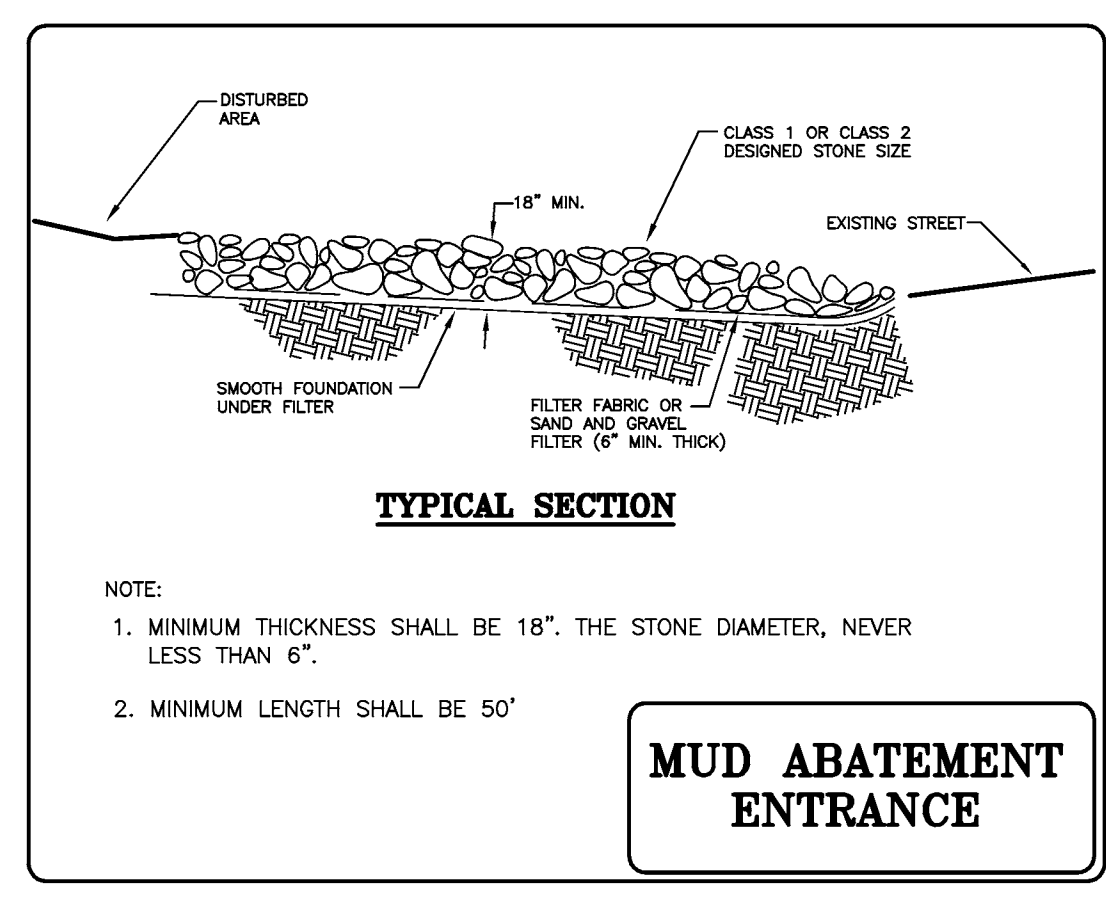
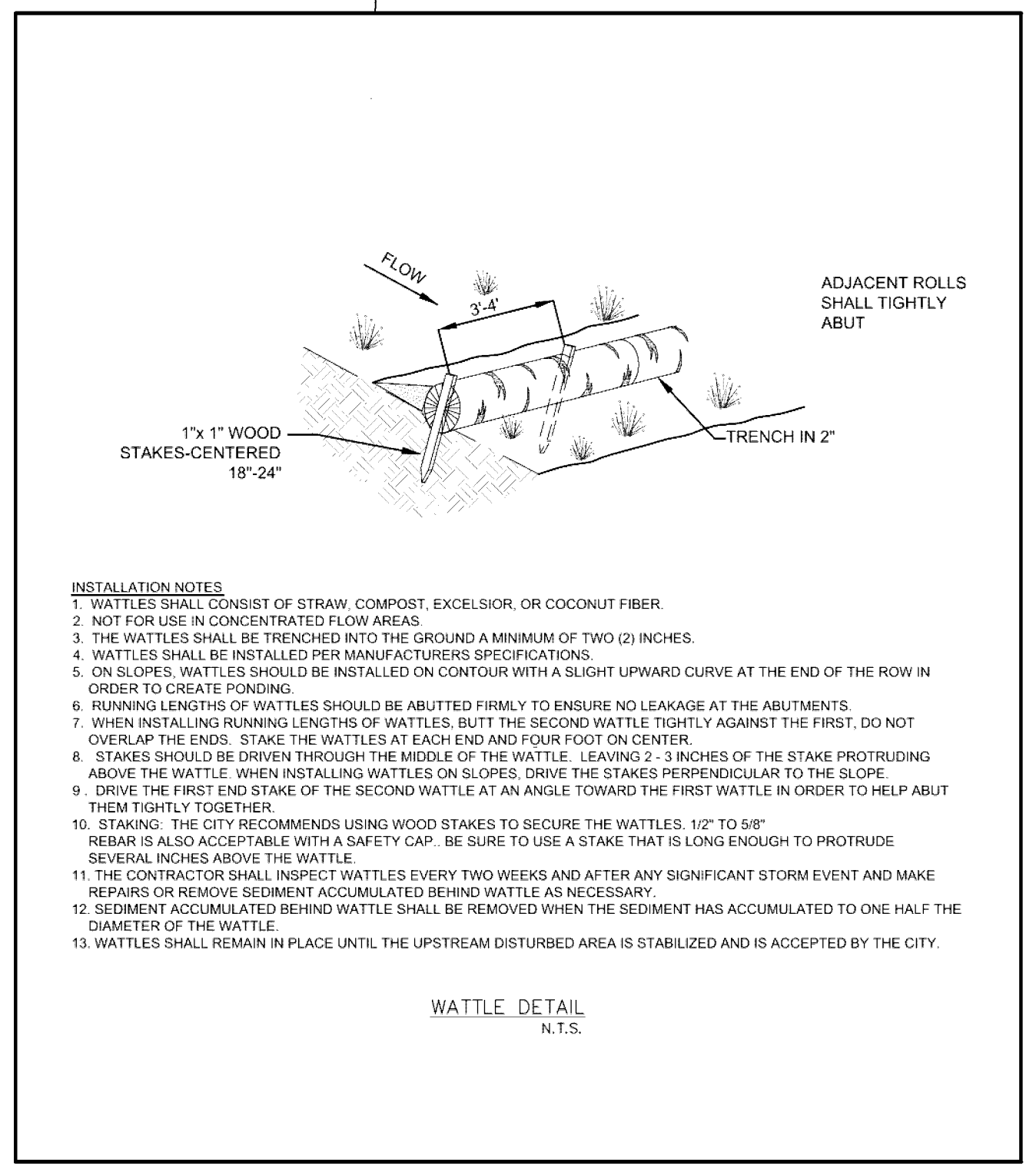
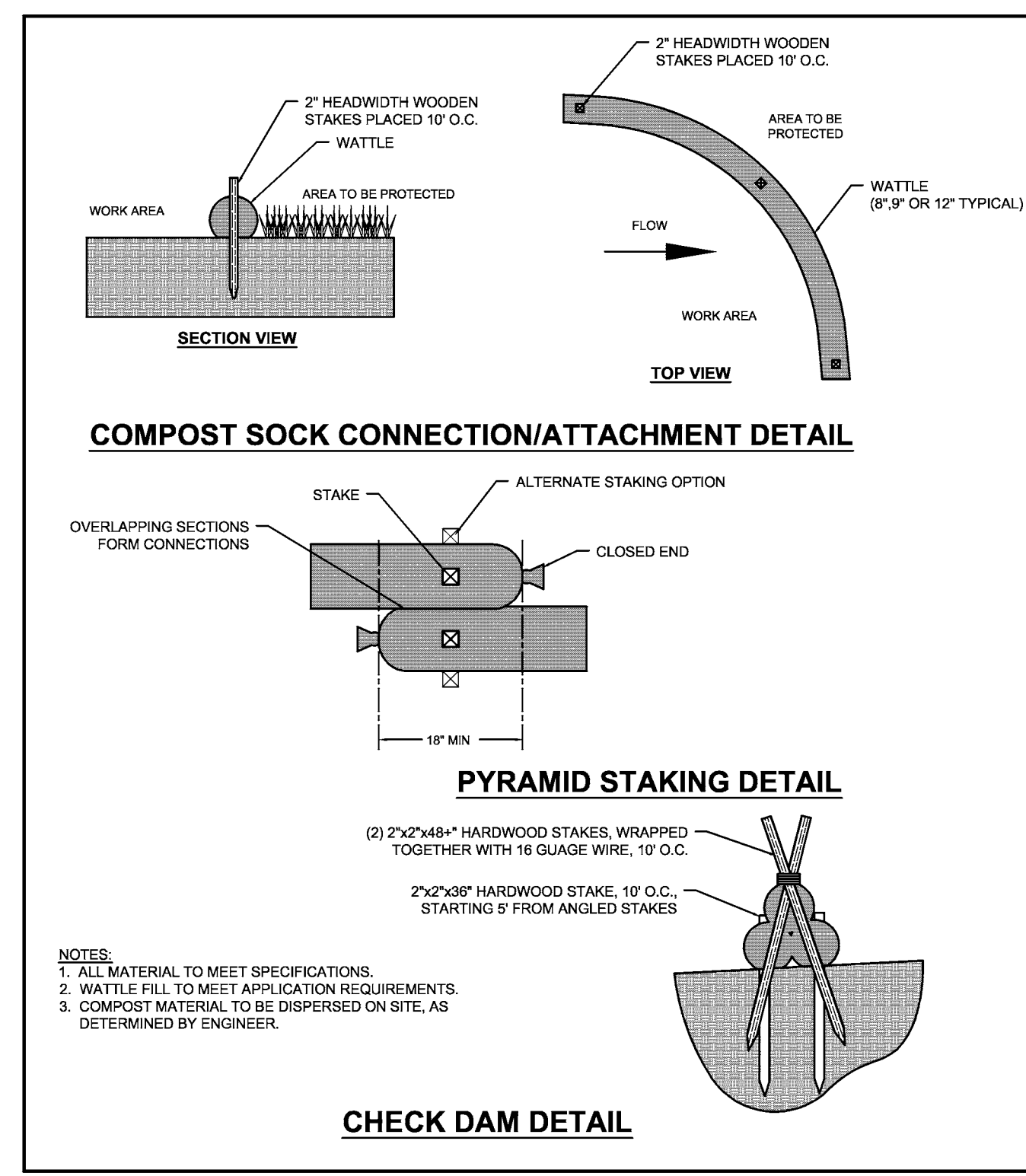
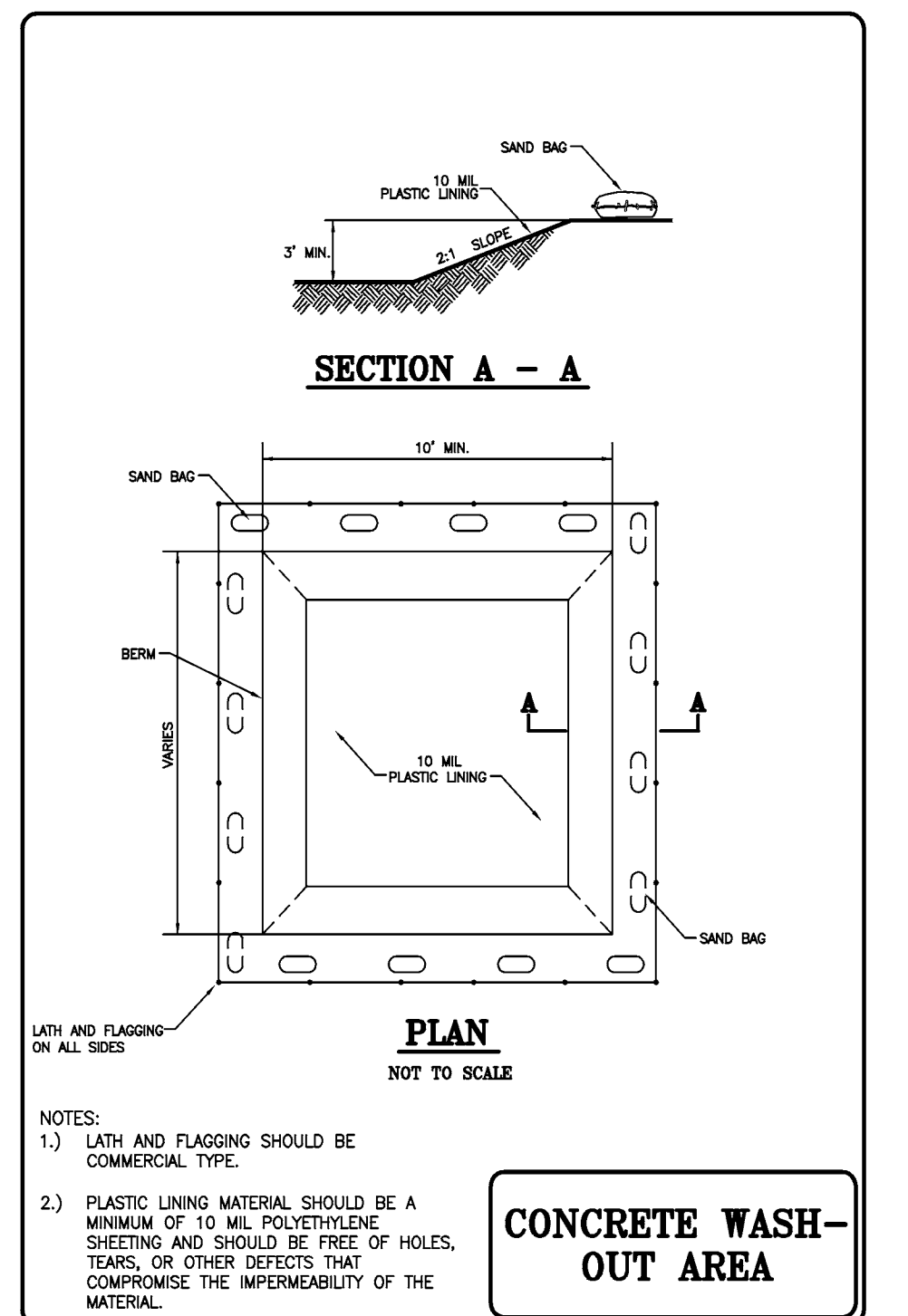
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5.100100000 © & F EQUIPMENT EXPANSION (PLOT) 150001 150000 (REV. 05/20/15)

W.O.# 15920    SHEET **5**





- NOTES:**
- 1) NATURAL VEGETATION SHALL BE RETAINED WHEREVER POSSIBLE.
  - 2) SEED AND MULCH SHALL BE PLACED (BY OWNER) IN 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.
- \*WATTLES & CHECK DAMS ARE USED AS ENERGY DISSIPATION DEVICES
- \*WATTLES & CHECK DAMS ARE USED TO CONTROL POLLUTANTS DURING STORM WATER DISCHARGE
- \*WATTLES & CHECK DAMS MUST BE MAINTAINED UNTIL SITE IS PERMANENTLY STABILIZED
- TOTAL AREA OF SOIL DISTURBANCE = 1.28 ACRES



- INSTALLATION NOTES:**
1. WATTLES SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER.
  2. NOT FOR USE IN CONCENTRATED FLOW AREAS.
  3. THE WATTLES SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF TWO (2) INCHES.
  4. WATTLES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
  5. ON SLOPES, WATTLES SHOULD BE INSTALLED ON CONTOUR WITH A SLIGHT UPWARD CURVE AT THE END OF THE ROW IN ORDER TO CREATE PONDING.
  6. RUNNING LENGTHS OF WATTLES SHOULD BE ABUTTED FIRMLY TO ENSURE NO LEAKAGE AT THE ABUTMENTS.
  7. WHEN INSTALLING RUNNING LENGTHS OF WATTLES, BUTT THE SECOND WATTLE TIGHTLY AGAINST THE FIRST, DO NOT OVERLAP THE ENDS. STAKE THE WATTLES AT EACH END AND FOUR FEET ON CENTER.
  8. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE, LEAVING 2-3 INCHES OF THE STAKE PROTRUDING ABOVE THE WATTLE. WHEN INSTALLING WATTLES ON SLOPES, DRIVE THE STAKES PERPENDICULAR TO THE SLOPE.
  9. DRIVE THE FIRST END STAKE OF THE SECOND WATTLE AT AN ANGLE TOWARD THE FIRST WATTLE IN ORDER TO HELP ABUT THEM TIGHTLY TOGETHER.
  10. STAKING: THE CITY RECOMMENDS USING WOOD STAKES TO SECURE THE WATTLES. 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE WITH A SAFETY CAP. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.
  11. THE CONTRACTOR SHALL INSPECT WATTLES EVERY TWO WEEKS AND AFTER ANY SIGNIFICANT STORM EVENT AND MAKE REPAIRS OR REMOVE SEDIMENT ACCUMULATED BEHIND WATTLE AS NECESSARY.
  12. SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DIAMETER OF THE WATTLE.
  13. WATTLES SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND IS ACCEPTED BY THE CITY.

**FLOOD PLAIN ZONING:**  
THIS PROPERTY IS NOT WITHIN THE 100 YEAR FLOOD ZONE AS SHOWN ON THE F.I.R.M. MAP #051430065F, PANEL 65 OF 575, WASHINGTON COUNTY, ARKANSAS AND INCORPORATED AREAS. EFFECTIVE DATE: MAY 16, 2008.



REVISION	DATE	DESCRIPTION
1	5/20/15	TECH PLAT CHANGES

**STORM WATER POLLUTION PREVENTION PLAN**  
**D & F EQUIPMENT BUILDING EXPANSION**  
**TONTITOWN, ARKANSAS**

SCALE: 1"=30' DATE: May 20, 2015 DRAWN BY: ---  
ENGINEERING SERVICES, INCORPORATED  
SPRINGDALE, ARKANSAS

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