

# LARGE SCALE DEVELOPMENT DRAWINGS

## CASALINI WAREHOUSE BUILDING

### CITY OF TONTITOWN, ARKANSAS

#### E. HENRI DE TONTI BLVD.

**CONTACT LIST:**

**CITY OF TONTITOWN**  
PLANNING AND ZONING DEPARTMENT  
201 E. HENRI DE TONTI BLVD.  
P.O. BOX 127  
TONTITOWN, ARKANSAS 72770  
PHONE: (479) 361-2996  
FAX: (501) 421-8774

**PARKS AND RECREATION**  
PHONE: (479) 361-2700

**STREETS DEPARTMENT**  
235 W. HENRI DE TONTI  
P.O. BOX 305  
TONTITOWN, ARKANSAS 72770  
PHONE: (479) 361-2700  
FAX: (501) 421-0012

**TONTITOWN WATER UTILITY**  
201 E. HENRI DE TONTI BLVD.  
P.O. BOX 127  
TONTITOWN, ARKANSAS 72770  
PHONE: (479) 361-2996  
FAX: (501) 421-8774

**TONTITOWN AREA FIRE DEPARTMENT**  
P.O. BOX 42  
TONTITOWN, ARKANSAS 72770  
PHONE: (479) 361-2185  
FAX: (479) 361-5966

**GAS COMPANY:**  
SOURCE GAS  
CONTACT: JAMES BOYD  
P.O. BOX 13288  
FAYETTEVILLE, AR 72703-1002  
PHONE: (479) 582-8647  
FAX: (479) 521-9655

**TELEPHONE COMPANY:**  
SBC (SOUTHWESTERN BELL)  
CONTACT: MR. LARRY STROUD  
627 WHITE ROAD  
SPRINGDALE, AR 72766  
PHONE: (479) 442-1977

**CENTURYTEL TEL**  
DANNY GOFF  
479-524-4198

**ELECTRIC COMPANY:**  
OZARKS ELECTRIC COOPERATIVE  
CONTACT: MR. MIKE PHIPPS  
PHONE: (479) 273-2421

**CABLE COMPANY:**  
COX COMMUNICATIONS  
CONTACT: MR. DOUG ELLISON  
4901 S. 48TH STREET  
SPRINGDALE, AR 72762  
PHONE: (479) 871-3466  
FAX: (479) 872-0174

**U.S. ARMY CORPS OF ENGINEERS:**  
CONTACT: MS. JOYCE PERSER  
700 W. CAPITAL  
LITTLE ROCK, AR 72203  
PHONE: (501) 324-5296  
FAX: (501) 324-6013

**CIVIL ENGINEER:**  
CIVIL DESIGN ENGINEERS, INC.  
CONTACT: FERDINAND FOURIE, P.E.  
4024 WAGON WHEEL ROAD  
SPRINGDALE, AR 72762  
PHONE: (479) 381-1066

**ARCHITECT:**  
CORE ARCHITECTS, INC.  
1800 S. 52ND STREET, SUITE 400  
ROGERS, AR 72758  
PHONE: (479) 631-2673

**OWNER/DEVELOPER:**

PLBTP, LLC  
CONTACT: BRETT HASH  
12881 HIGHWAY 112  
CAVE SPRINGS, AR 72128

**PLANS PREPARED BY:**



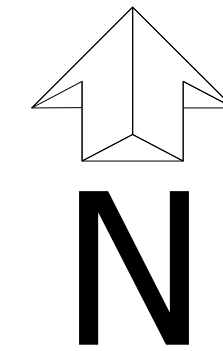
**CIVIL DESIGN ENGINEERS, INC.**

Springdale, Arkansas  
4024 WAGON WHEEL ROAD  
SPRINGDALE, ARKANSAS 72762  
PHONE: (479) 381-1066

REVISION 1  
APRIL, 2019



**VICINITY MAP**  
N.T.S.



**ARKANSAS COUNTY MAP**  
N.T.S.

**SHEET INDEX**

- 1. C1.0 - COVER SHEET
- 2. - RECORDED PROPERTY LINE ADJUSTMENT
- 3. C2.0 - SITE PLAN
- 4. C3.0 - GRADING PLAN
- 5. C4.0 - UTILITY PLAN
- 6. C5.0 - LANDSCAPE PLAN
- 7. C6.0 - DETAIL SHEET 1

**APPROVAL:**

**DATE:**

CITY OF TONTITOWN CITY COUNCIL	_____
CITY OF TONTITOWN PLANNING COMMISSION	_____
CITY OF TONTITOWN WATER UTILITIES	_____
ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT	_____
SOUTHWESTERN BELL	_____
OZARKS ELECTRIC	_____
SOURCE GAS	_____
ARKANSAS DEPARTMENT OF HEALTH	_____
U.S. ARMY CORPS OF ENGINEERS	_____
COX COMMUNICATIONS	_____

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING WITH ARKANSAS ONE-CALL AT 1-800-482-8998 A MIN. OF TWENTY-FOUR (24) HOURS BEFORE ANY DIGGING BEGINS.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONDITIONS ON THE SITE DURING CONSTRUCTION AND MUST BE WITHIN INDUSTRY AND OSHA ACCEPTED STANDARDS FOR SAFETY AT ALL TIMES, INCLUDED BUT NOT LIMITED TO WORKING HOURS. THE ENGINEER SHALL NOT BE RESPONSIBLE TO MONITOR SAFETY STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION AND CONSTRUCTION MATERIALS, IN A LAWFUL MANNER, AT STATE AND FEDERALLY ACCEPTED SITES.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO NEIGHBORING PROPERTIES.
6. IN THE EVENT THAT THERE IS A QUESTION WITH REGARD TO THE DESIGN INTENT, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING IN ACCORDANCE WITH ALL REGULATORY AGENCY AND CITY CONSTRUCTION STANDARDS.

**INSPECTIONS AND TESTING PROCEDURES:**

1. ALL FIELD TESTS REQUIRED FOR THE PROJECT SHALL BE WITNESSED BY THE CITY'S REPRESENTATIVE IN THE PRESENCE OF THE ENGINEER AND CONTRACTOR OR THEIR REPRESENTATIVE.
2. THE CITY WILL REQUIRE A MINIMUM OF 48 HOURS NOTICE ON ALL TESTS. CALLS TO THE CITY FOR THE PURPOSE OF SETTING TEST TIMES SHOULD BE MADE BY 10:00 AM. TESTS DELAYED BY WEATHER OR OTHER FACTORS WILL BE RESCHEDULED ON THE SAME BASIS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE SCHEDULING OF SUCH TESTS WITH THE CITY AND CIVIL DESIGN ENGINEERS, INC.
4. ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED FOR TESTING SHALL BE FURNISHED BY THE CONTRACTOR AT HIS EXPENSE.
5. PRIOR TO FINAL ACCEPTANCE BY THE CITY, THE PROJECT SHALL BE SUBJECT TO A JOINT FINAL INSPECTION BY A DESIGNATED REPRESENTATIVE OF THE CITY'S ENGINEERING OFFICE, A REPRESENTATIVE OF THE WATER AND SEWER MAINTENANCE DEPARTMENT, THE ENGINEER OF RECORD FOR THE PROJECT AND THE CONTRACTOR.

**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

**CERTIFICATE OF PRELIMINARY ENGINEERING ACCURACY:**

I, FERDINAND FOURIE, 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: 04-17-19

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

REGISTERED ENGINEER  
STATE OF ARKANSAS REGISTRATION NO. : 12538

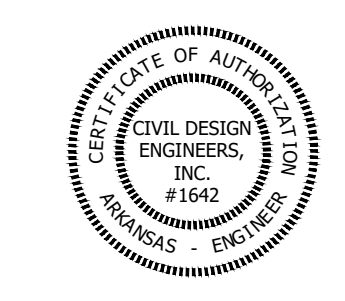
1. CIVIL DESIGN ENGINEERS, INC. OR ITS DESIGNATED REPRESENTATIVE SHALL PROVIDE INSPECTION SERVICES DURING CONSTRUCTION OF PUBLIC UTILITIES.

FERDINAND FOURIE  
ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 12538



CASALINI WAREHOUSE BUILDING  
TONTITOWN, ARKANSAS

COVER SHEET



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DATE	DRAWN
03-05-2019	FF
DESIGNED	CHECKED
FF	FF

SCALE
AS NOTED
CDE PROJECT NO.
1124
SHEET

C1.0

DESCRIPTION  
REVISED PER CITY L.S.D. TECH. REVIEW

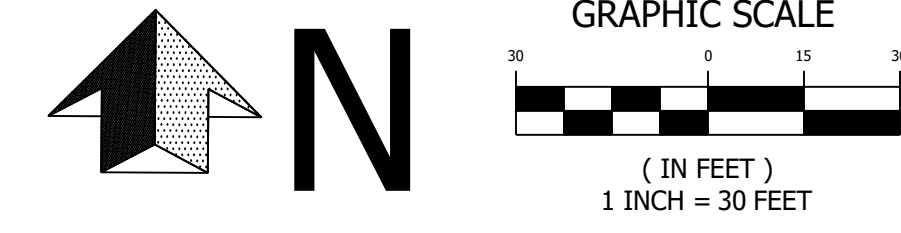
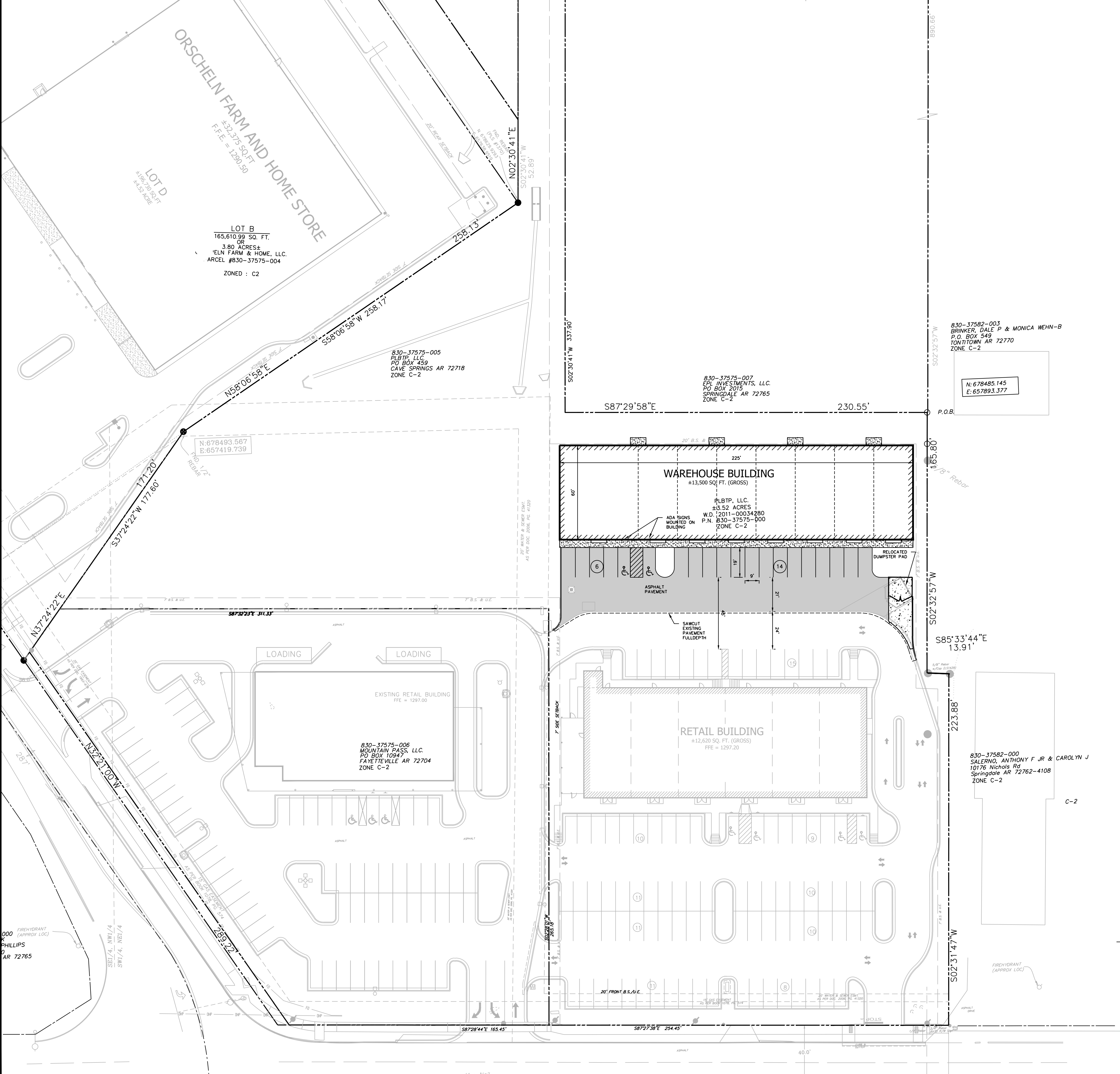
NO. DATE BY CKD  
REV# 04-17-19 F.F.

**CDE**  
CIVIL DESIGN ENGINEERS, INC.  
Springdale, Arkansas









**LEGEND**

EXISTING	PROPOSED
IRON PIN/PIPE FOUND	IRON PIN SET
BENCHMARK	BOUNDARY LINE
RIGHT-OF-WAY LINE	EASEMENT LINE
BUILDING SETBACK LINE	CURB AND GUTTER
PAVEMENT	UTILITY POLE
WATER METER	WATER VALVE
TELEPHONE RISER	GAS METER
ELECTRIC METER	ELECTRIC RISER
CURB AND GUTTER	SIGN
LIGHT POLE (SINGLE)	FIREHYDRANT ASSEMBLY

- GENERAL SITE NOTES:**
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING WITH ARKANSAS ONE-CALL AT 1-800-482-8998 A MIN. OF TWENTY-FOUR (24) HOURS BEFORE ANY DIGGING BEGINS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDITIONS ON THE SITE DURING CONSTRUCTION AND MUST BE WITHIN INDUSTRY AND OSHA ACCEPTED STANDARDS FOR SAFETY AT ALL TIMES, INCLUDED BUT NOT LIMITED TO WORKING HOURS, THE ENGINEER SHALL NOT RESPONSIBLE TO MONITOR SAFETY STANDARDS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION AND CONSTRUCTION MATERIALS, IN A LAWFUL MANNER, AT STATE AND FEDERALLY ACCEPTED SITES.
  - ALL DESIGNS SHOWN HEREIN ARE IN ACCORDANCE WITH THE INDUSTRY ACCEPTED STANDARDS AT THIS TIME.
  - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO NEIGHBORING PROPERTIES.
  - IN THE EVENT THAT THERE IS A QUESTION WITH REGARD TO THE DESIGN INTENT, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING IN ACCORDANCE WITH ALL MUNICIPALITY CONSTRUCTION STANDARDS.
  - MAINTENANCE OF TRAFFIC DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

BUILDING/USE	BUILDING AREA (SF)	PARKING SPACES		ACCESSIBLE	
		REQUIRED	PROVIDED	REQUIRED	PROVIDED
OFFICE USE	1,700	6	6	1	1
WAREHOUSE USE	11,800	11	14	0	1
CASALINI WAREHOUSE BUILDING	13,500	17	20	1	2

- PARKING REQ:**
- OFFICE : 1 SPACE / 300 SF
  - WAREHOUSE : 5 SPACES PLUS 1 PER 2000 SF

**TONTITOWN C-2 ZONING:**

FRONT (WITH PARKING IN FRONT) 50'  
 FRONT (WITHOUT PARKING IN FRONT) 20'  
 SIDE (ADJACENT TO NON-RESIDENTIAL) 7'  
 SIDE (ADJACENT TO RESIDENTIAL) 30'  
 REAR (ADJACENT TO NON-RESIDENTIAL) 30'  
 REAR (ADJACENT TO RESIDENTIAL) 30'  
 (ALL SETBACKS SHALL BE UTILITY EASEMENTS)

DESCRIPTION

NO.	DATE	BY	CHKD	REVISION

**CDE**  
CIVIL DESIGN ENGINEERS, INC.  
Springdale, Arkansas

**CASALINI WAREHOUSE BUILDING  
TONTITOWN, AR**

**SITE PLAN**



DATE: 04-17-19

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DATE	DRAWN
04-17-2019	FF
DESIGNED	CHECKED
FF	CRN
SCALE	
AS NOTED	
PROJECT NO.	
1124	
SHEET	
C2.0	

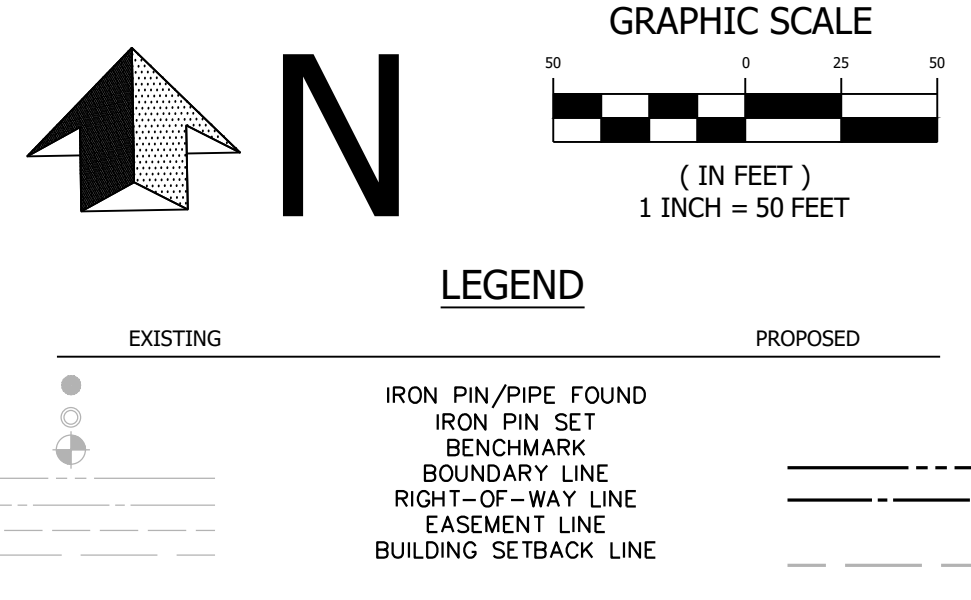
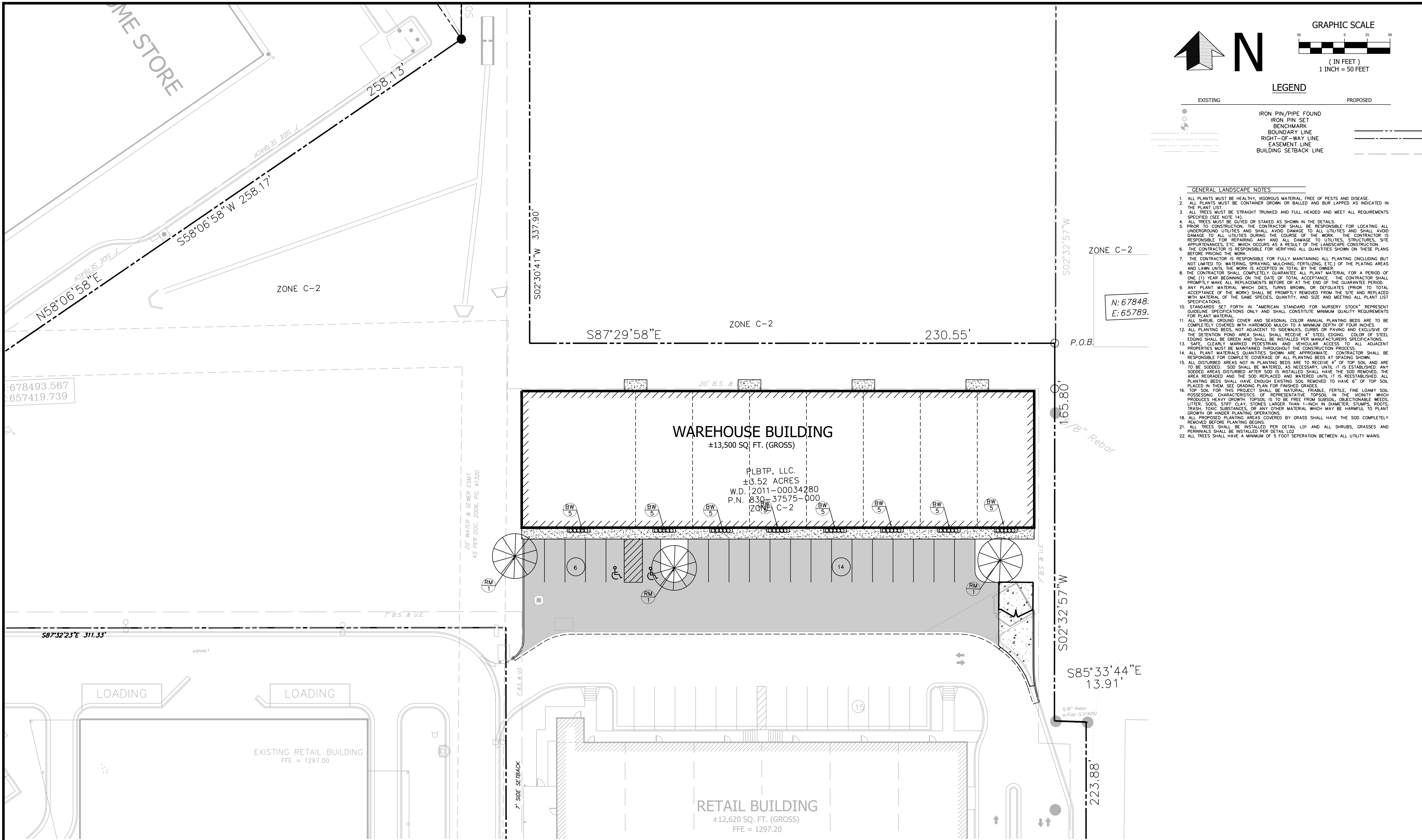












- GENERAL LANDSCAPE NOTES**
- ALL PLANTS MUST BE HEALTHY, WOODRUS MATERIAL, FREE OF PESTS AND DISEASE.
  - ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST.
  - ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED (SEE NOTE 14).
  - ALL TREES MUST BE GUED OR STAKED AS SHOWN IN THE DETAILS.
  - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL 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.
  - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE BRINGING THE WORK.
  - THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
  - THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
  - ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (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.
  - STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
  - ALL SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
  - ALL PLANTING BEDS, NOT ADJACENT TO SIDEWALKS, CURBS OR PAVING AND EXCLUSIVE OF THE DETENTION POND AREA SHALL RECEIVE 4" STEEL EDGING. COLOR OF STEEL EDGING SHALL BE GREEN AND SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
  - SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
  - ALL PLANT MATERIALS QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
  - ALL DISTURBED AREAS NOT IN PLANTING BEDS ARE TO RECEIVE 4" OF TOP SOIL AND ARE TO BE SOURED. SOO SHALL BE WATERED, AS NECESSARY, UNTIL IT IS ESTABLISHED. ANY SOOED AREAS DISTURBED AFTER SOO IS INSTALLED SHALL HAVE THE SOO REMOVED, THE AREA REGRADED AND THE SOO REPLACED AND WATERED UNTIL IT IS ESTABLISHED. ALL PLANTING BEDS SHALL HAVE ENOUGH EXISTING SOIL REMOVED TO HAVE 4" OF TOP SOIL PLACED IN THEM. SEE GRADING PLAN FOR FINISHED GRADES.
  - TOP SOIL FOR THIS PROJECT SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY WHICH PRODUCES HEAVY GROWTH. TOPSOIL IS TO BE FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN 1-INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH OR HINDER PLANTING OPERATIONS.
  - ALL PROPOSED PLANTING AREAS COVERED BY GRASS SHALL HAVE THE SOO COMPLETELY REMOVED BEFORE PLANTING BEGINS.
  - ALL TREES SHALL BE INSTALLED PER DETAIL 101 AND ALL SHRUBS, GRASSES AND PERENNIALS SHALL BE INSTALLED PER DETAIL 102.
  - ALL TREES SHALL HAVE A MINIMUM OF 5 FOOT SEPARATION BETWEEN ALL UTILITY MAINS.

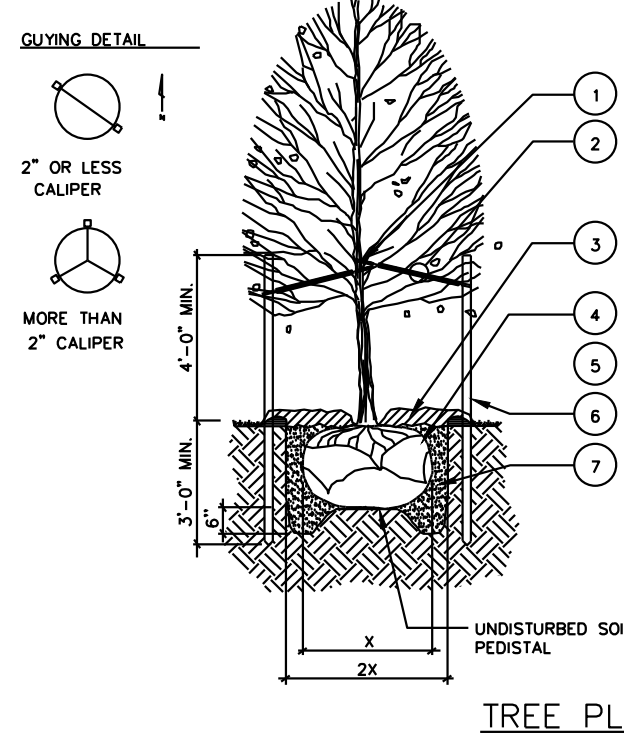


MILL STREET MANSION SENIOR CITIZEN APARTMENTS  
SPRINGDALE, ARKANSAS  
LANDSCAPE PLAN

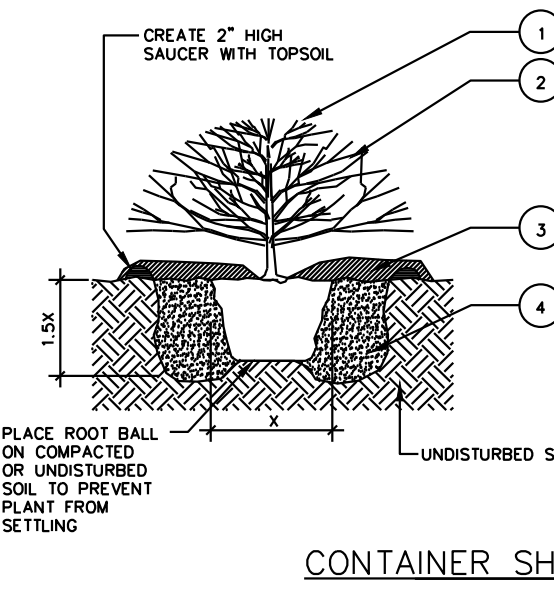
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DATE	DRAWN
04-16-2019	FF
DESIGNED	CHECKED
FF	FF

SCALE  
AS NOTED  
CDE PROJECT NO.  
1123  
SHEET  
C5.0



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



- 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**
- 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.
  - SCORE ROOTBALL BY CUTTING 1/2" VERTICAL GROVES 3" APART.
  - SPACE PLANTS PER PLANTING PLAN.

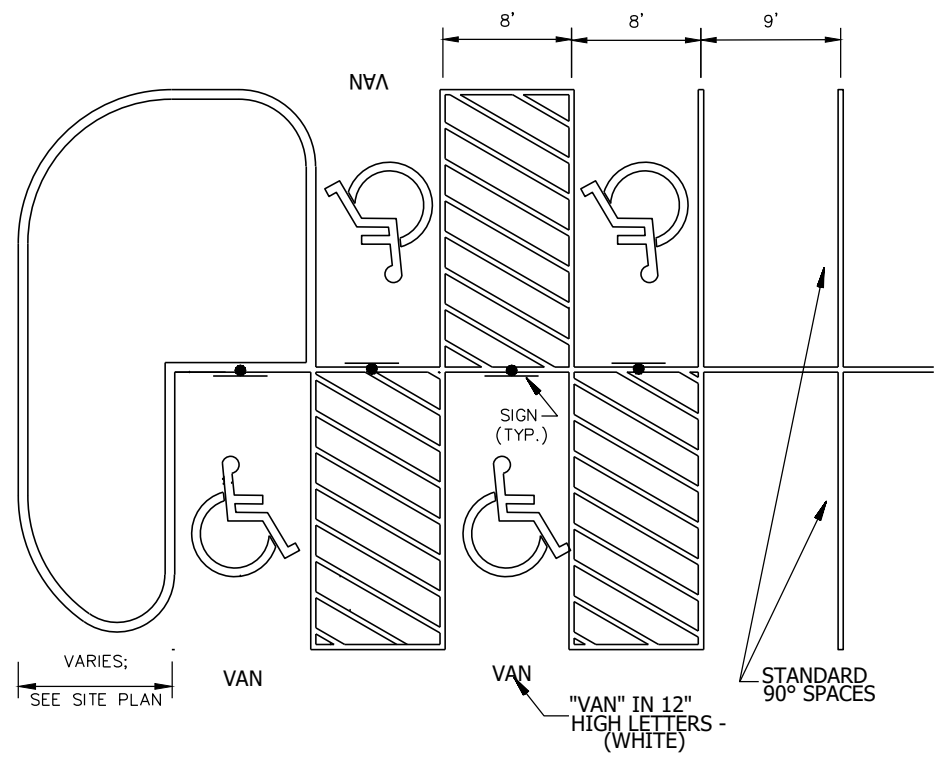
- DECIDUOUS TREE PLANTING LEGEND**
- | SYMBOL | DESCRIPTION   |
|--------|---|
| 1      | TREE STRAP LOOP AT FIRST BRANCH. USE RUBBER HOSE OR APPROVED EQUAL TO PREVENT DAMAGE TO TREE. |
| 2      | 12 GAUGE GALVANIZED WIRE & 1-1/2" PVC PIPE  |
| 3      | 4" ORGANIC MULCH PER SPECIFICATIONS. DO NOT PLACE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

**PLANT LIST**

KEY	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	PLANT SIZE	QTY.	SPACING
RM		RED MAPLE	B&B	2 1/2" CAL.	3	AS SHOWN
BW		BOKWOOD	5 GAL	24" MIN.	40	3' O.C.

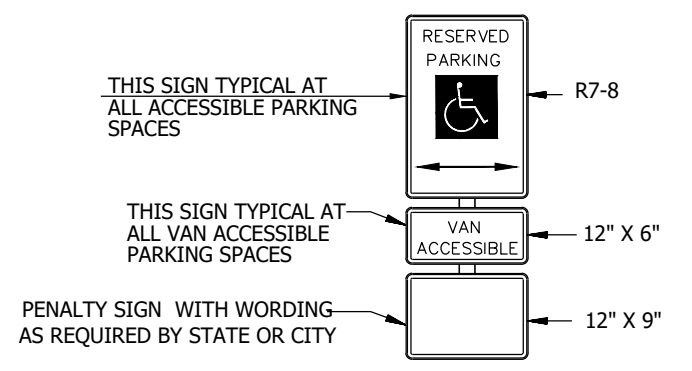
CONTRACTOR MAY PROVIDE SEEDED EROSION CONTROL BLANKETS FOR STABILIZATION. PROPOSED BLANKET SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.





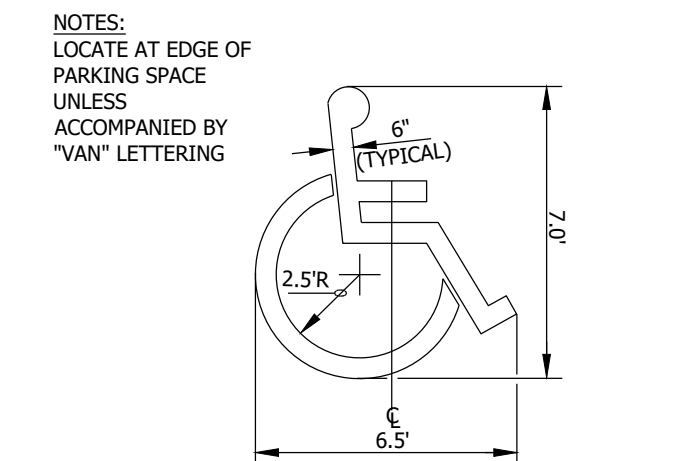
**PARKING STRIPING**  
N.T.S.

05-10-09 | FF | S2B



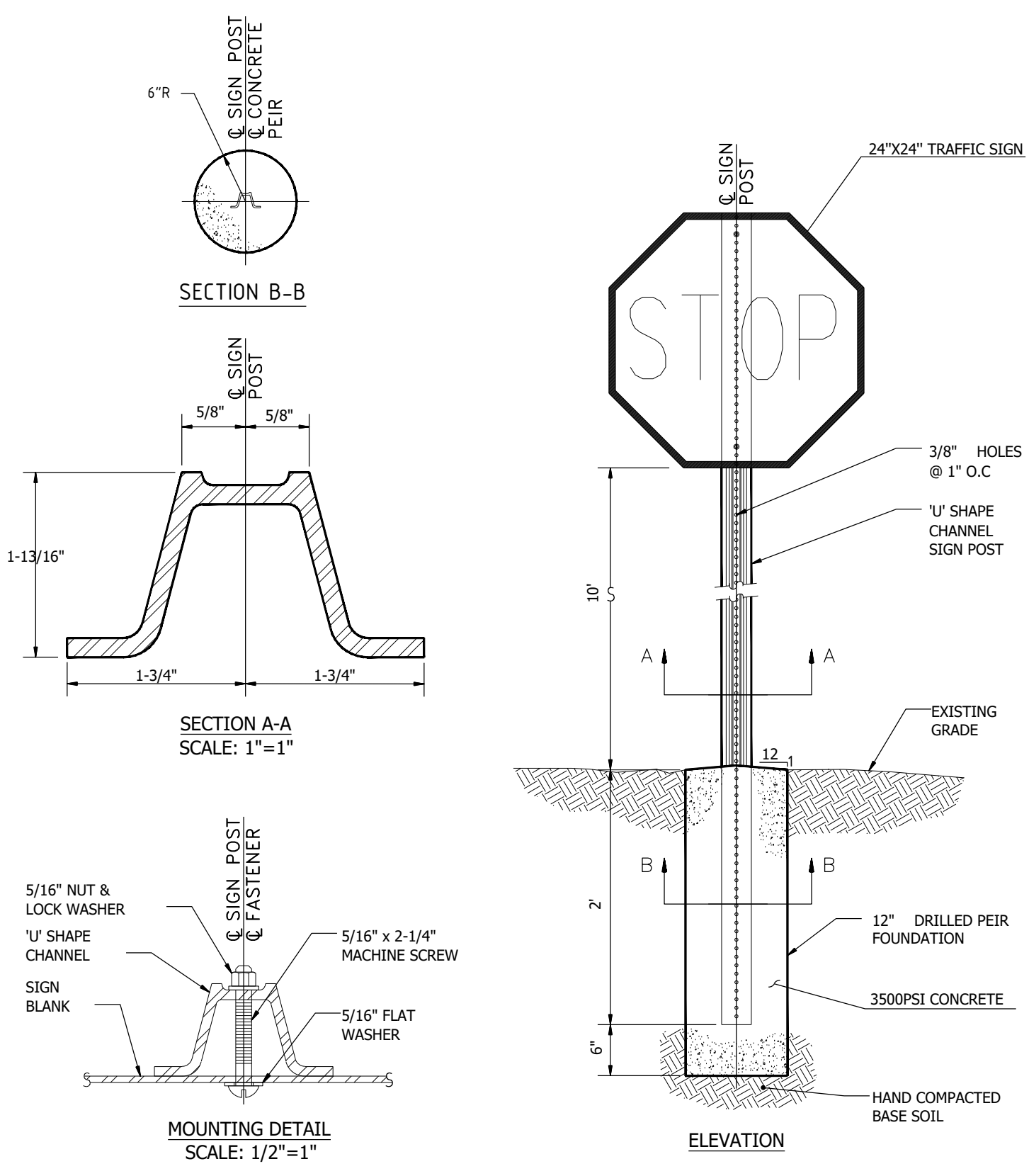
**ACCESSIBLE SIGN**  
N.T.S.

05-10-09 | FF | S3B



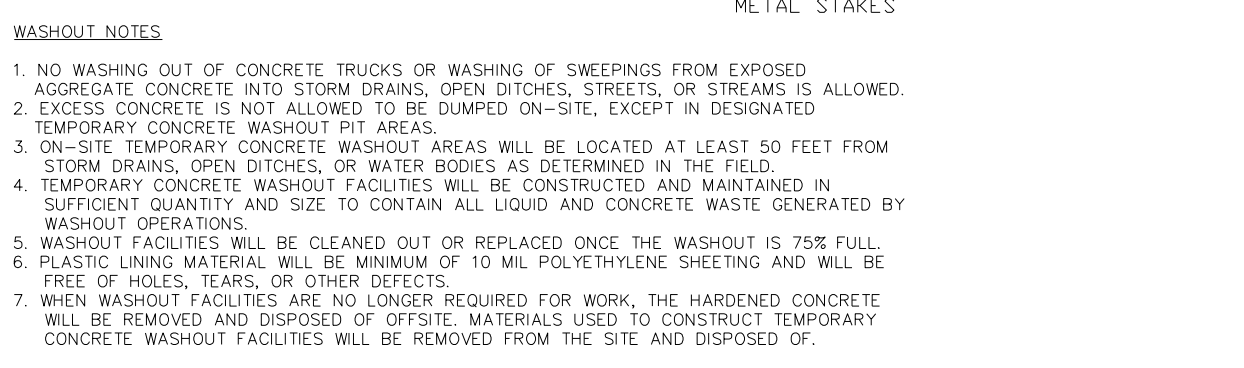
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N.T.S.

05-10-09 | FF | S2C

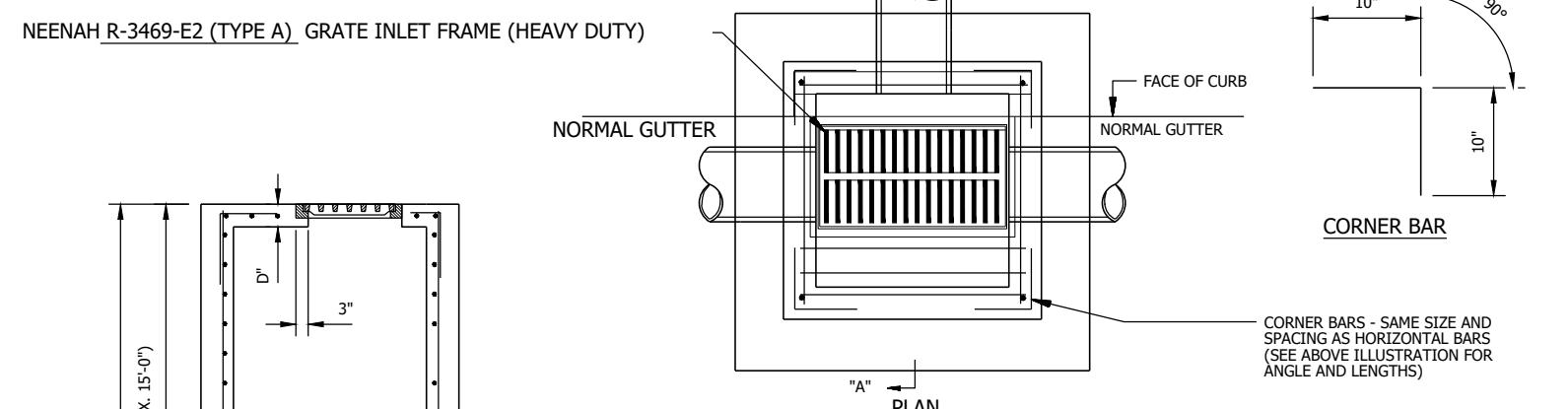


**TRAFFIC SIGN POST**  
N.T.S.

05-10-09 | FF | S4

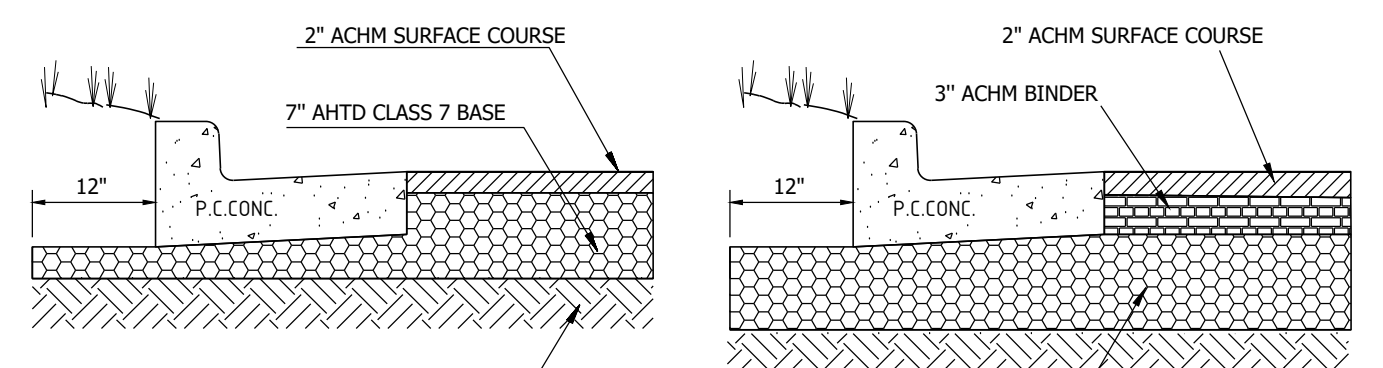
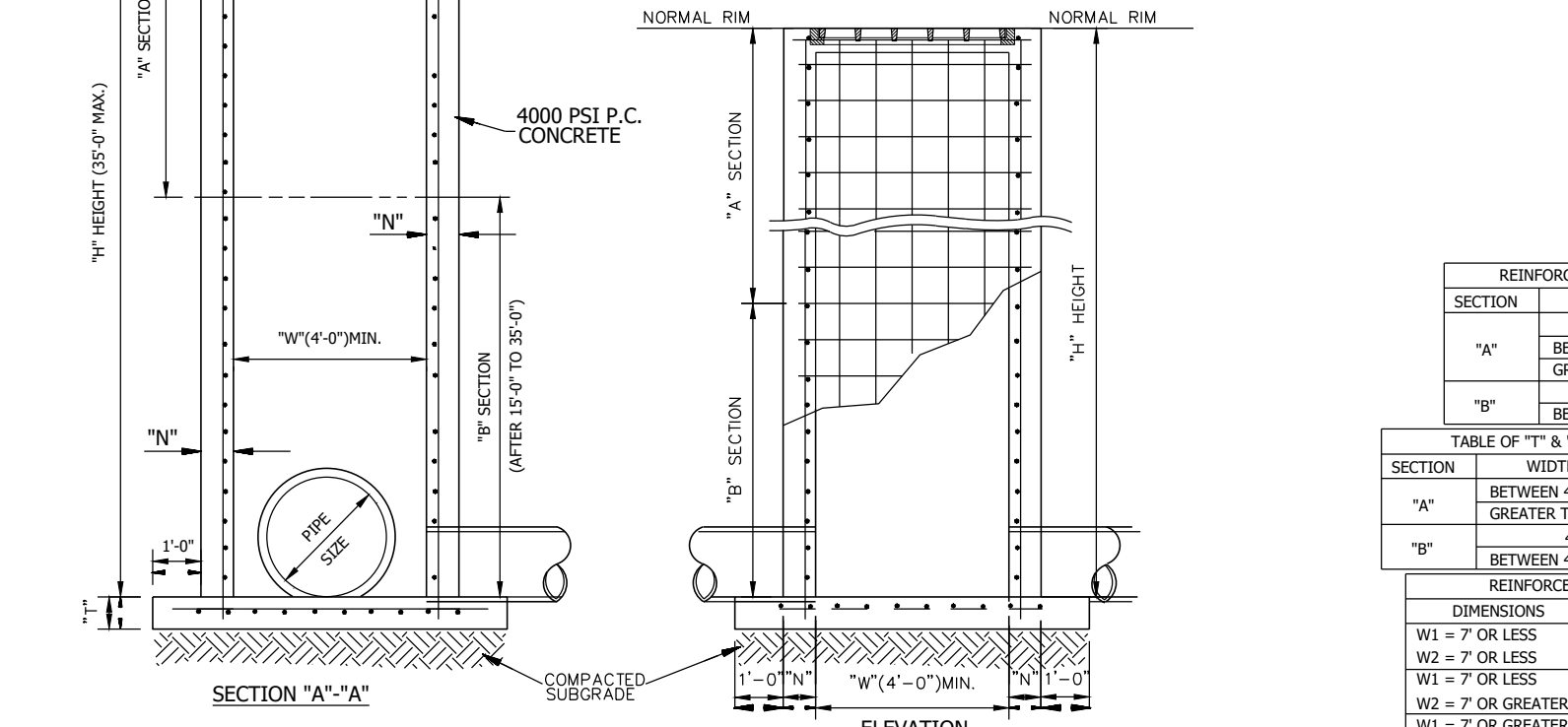
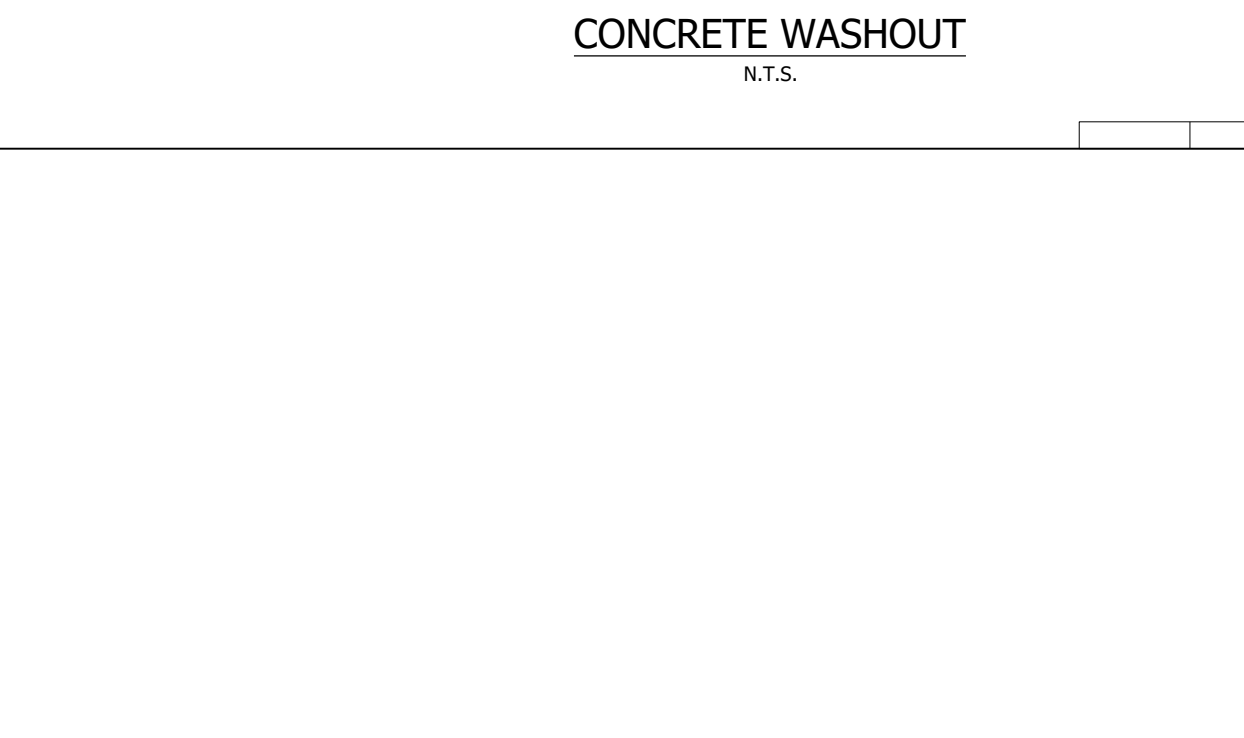


**CONCRETE WASHOUT**  
N.T.S.

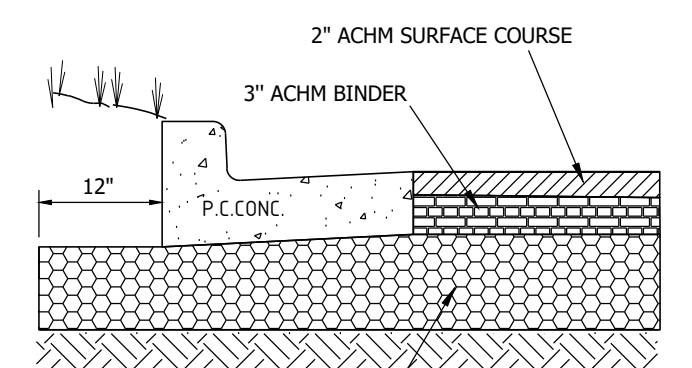


**GRATE INLET**  
N.T.S.

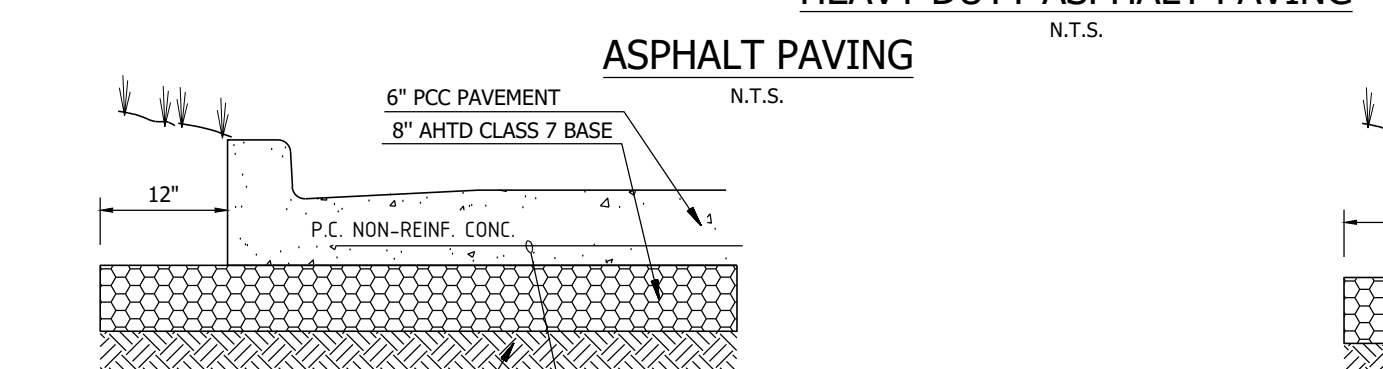
05-10-09 | FF | G2A



**LIGHT DUTY ASPHALT PAVING**  
N.T.S.

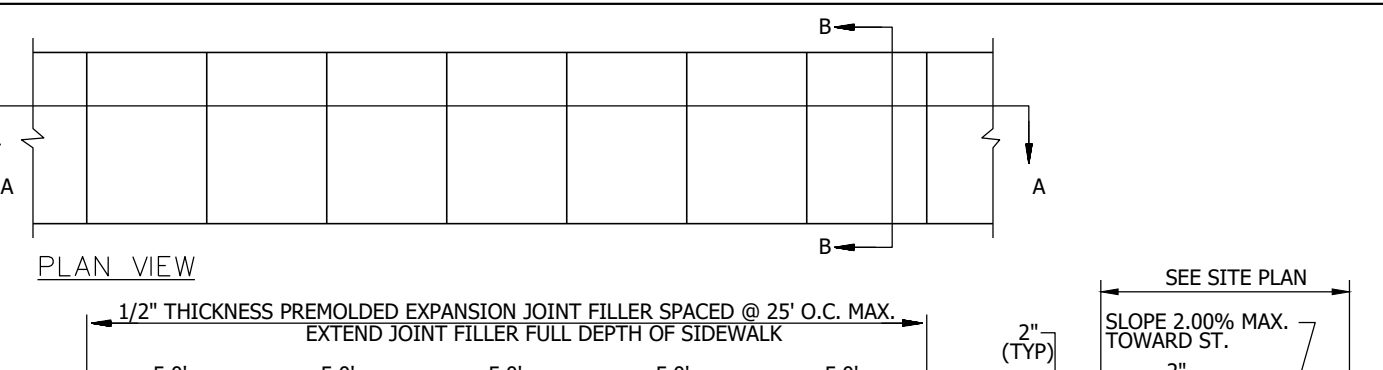
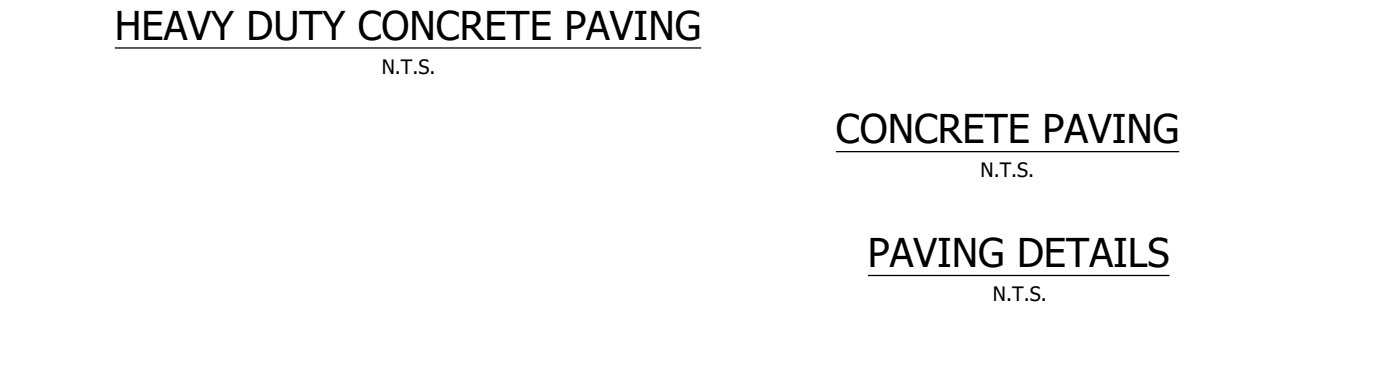


**HEAVY DUTY ASPHALT PAVING**  
N.T.S.

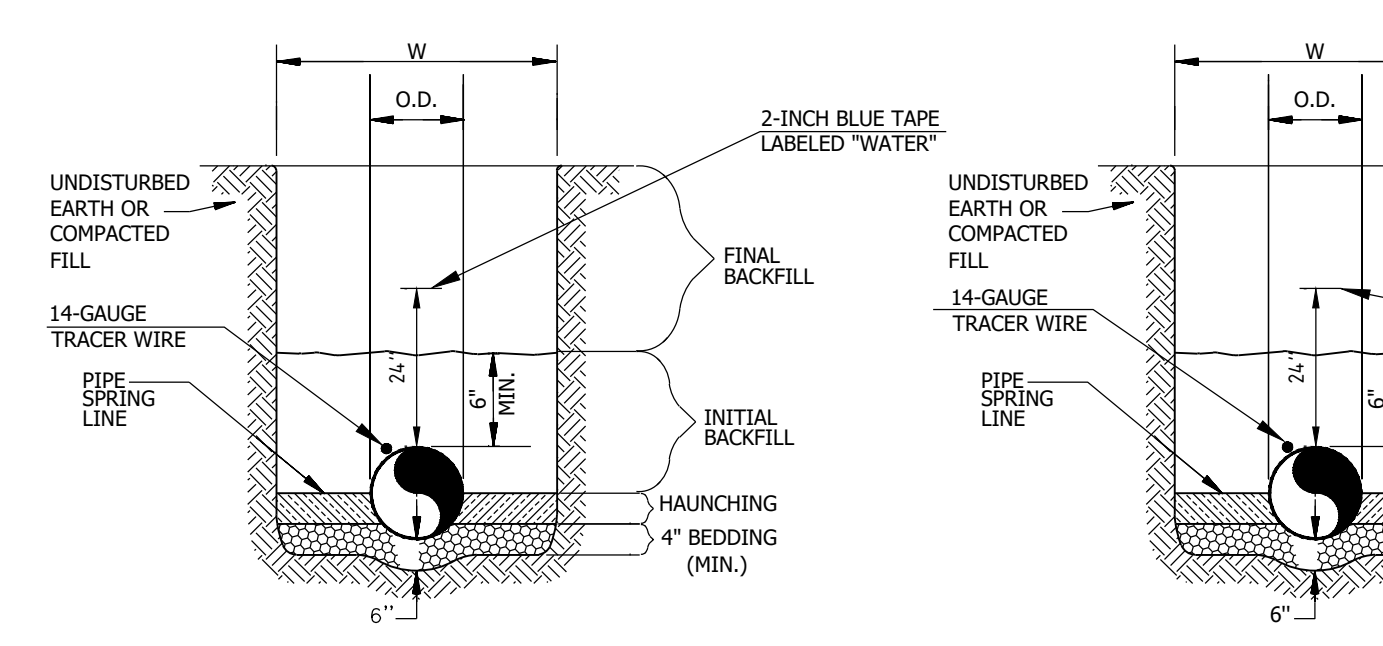


**HEAVY DUTY CONCRETE PAVING**  
N.T.S.

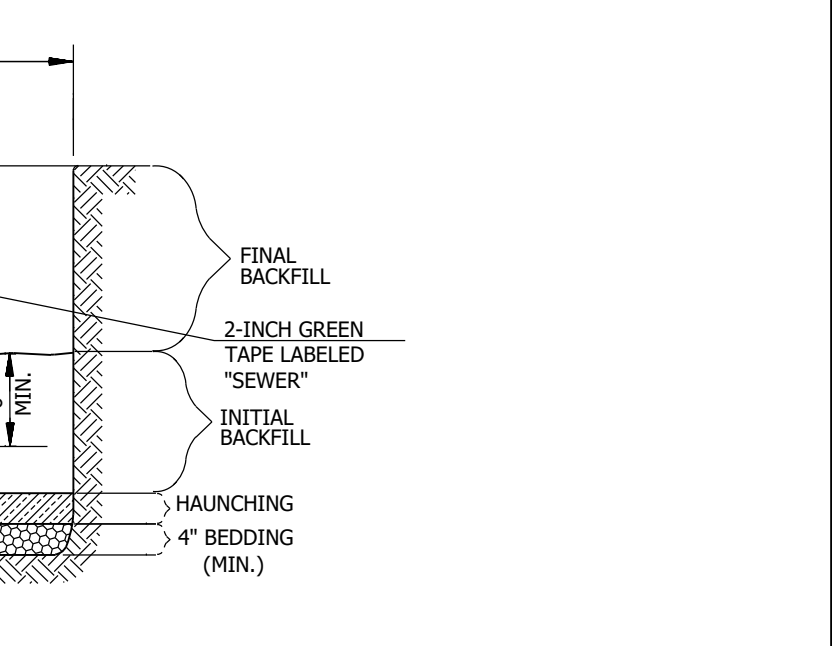
**CONCRETE PAVING**  
N.T.S.



**PRIVATE ONSITE CONCRETE SIDEWALK**  
N.T.S.



**WATER LINE**  
N.T.S.



**SANITARY SEWER**  
N.T.S.

- UTILITY TRENCH AND BEDDING (PRIVATE SERVICE LINES)**  
N.T.S.
- BEDDING MATERIAL SHALL BE ASTM D448 #67 WORKED BY HAND.
  - HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE ASTM D448 #67 ROCK.
  - INITIAL BACKFILL SHALL BE ASTM D448 #67 ROCK WORKED BY HAND, COMPACTED TO 85% OF THE STANDARD PROCTOR DENSITY.
  - INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
  - FINAL BACKFILL IN PAVED AREAS SHALL BE AHTD CLASS 7 COMPACTED TO 95% OF THE MODIFIED PROCTOR DENSITY.
  - FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 95% STANDARD PROCTOR.
  - ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-89.
  - ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 6" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. AHTD CLASS 7 MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
  - FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANIC AND ROCKS LARGER THAN 1.5" TO BE USED AS BACKFILL.
  - ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)
  - ALL TRACER WIRE SHALL BE TAPED OR WRAPPED TO LINES.
  - TRACER WIRE SHALL EXTEND 2-FEET INTO WATER OR SEWER BOXES.

**UTILITY TRENCH AND BEDDING (PRIVATE SERVICE LINES)**  
N.T.S.

05-10-09 | FF | U1B

NO.	DATE	BY	CHKD	DESCRIPTION

**CDE**  
CIVIL DESIGN ENGINEERS, INC.  
Springdale, Arkansas

CASALINI WAREHOUSE BUILDING  
TONTITOWN, ARKANSAS  
DETAIL SHEET 1

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 12538  
FERDINAND TOBIAS  
DATE: 04-17-19

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