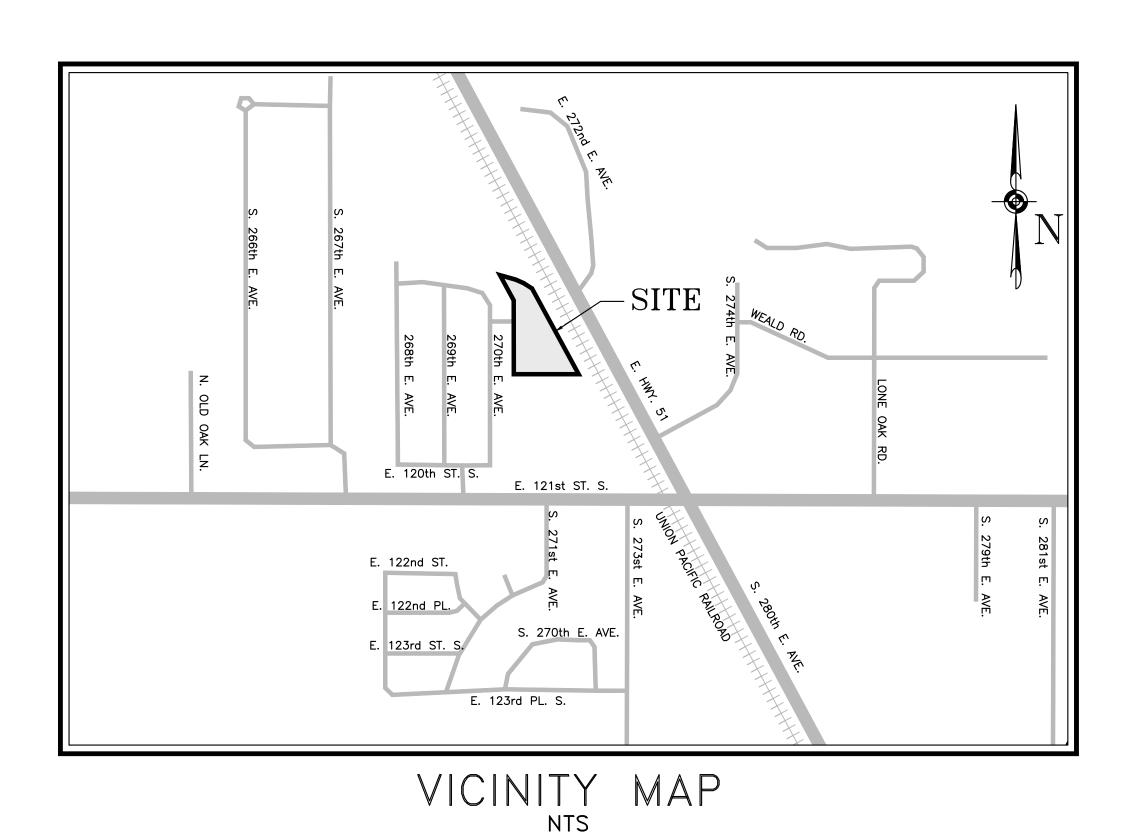
SITE DEVELOPMENT PLANS COWETA TRAILS II SENIOR APARTMENTS COWETA, OKLAHOMA



TRINITY HOUSING DEVELOPMENT, LLC

3556 S. CULPEPPER CIRCLE, SUITE 4 SPRINGFIELD, MO 65804 PH. (417) 882-1701



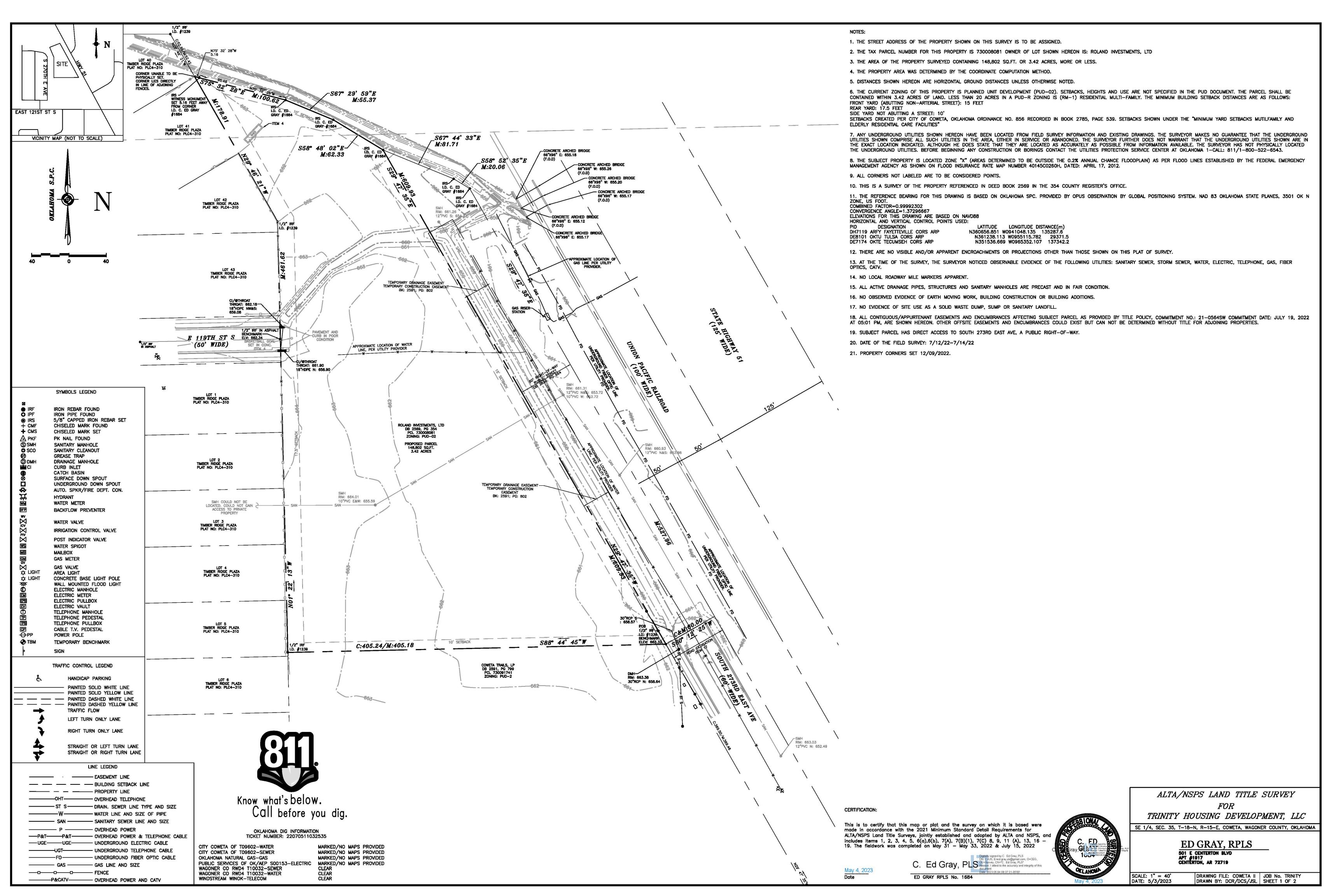


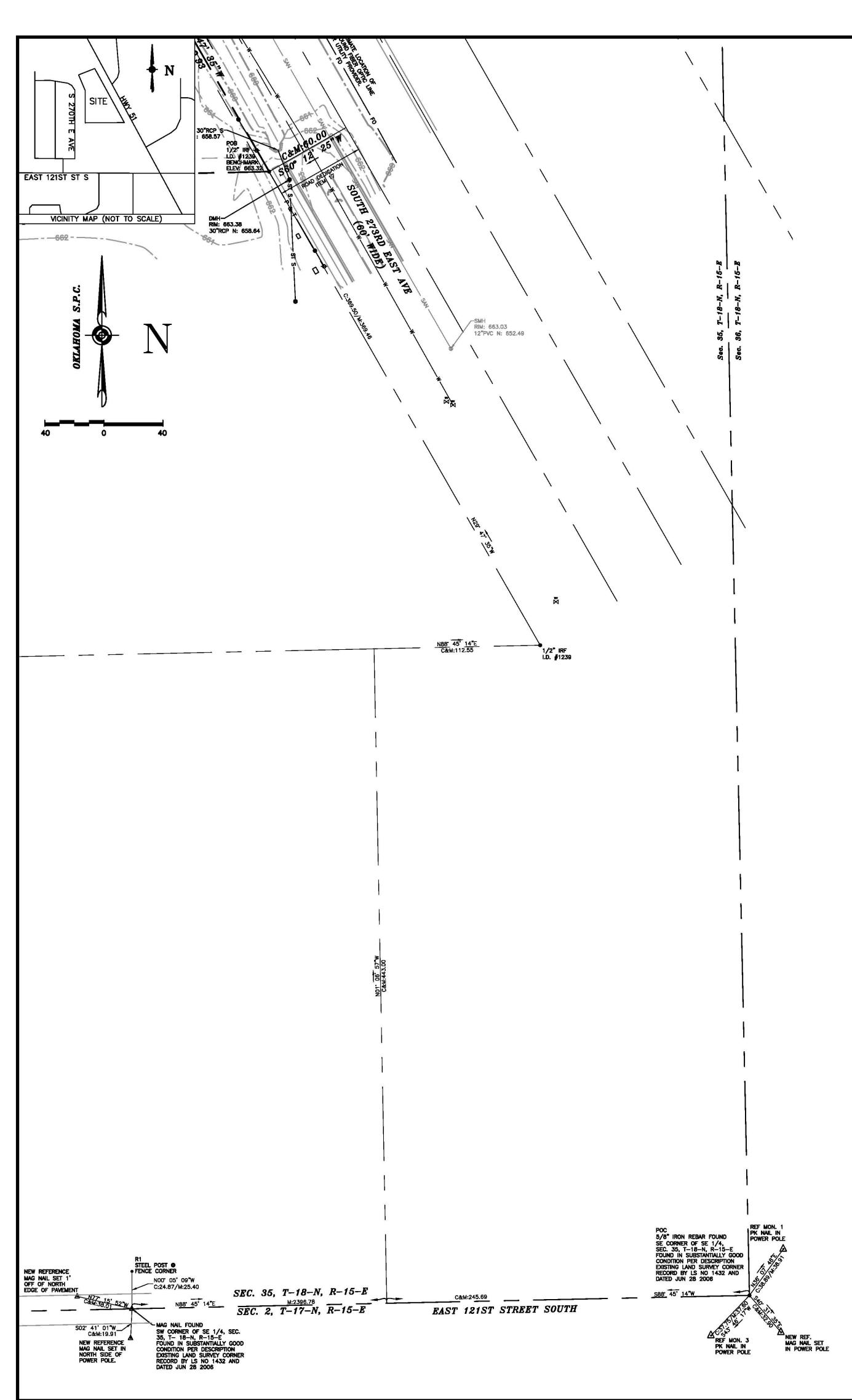


7068 Ledgestone Commons, Bartlett, TN 38133
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Texas Registered Engineering Firm F—9624



ENGINEER OF RECORD





FIDELITY NATIONAL TITLE INSURANCE SCHEDULE B, PART II EXCEPTIONS

COMMITMENT NO.: 21-0564SW COMMITMENT DATE: JULY 19, 2022 AT 05:01 PM

THIS COMMITMENT DOES NOT REPUBLISH ANY COVENANT, CONDITION, RESTRICTION, OR LIMITATION CONTAINED IN ANY DOCUMENT REFERRED TO IN THIS COMMITMENT TO THE EXTENT THAT THE SPECIFIC COVENANT, CONDITION, RESTRICTION, OR LIMITATION VIOLATES STATE OR FEDERAL LAW BASED ON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, GENDER IDENTITY, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN.

THE POLICY WILL NOT INSURE AGAINST LOSS OR DAMAGE RESULTING FROM THE TERMS AND PROVISIONS OF ANY LEASE OR EASEMENT IDENTIFIED IN SCHEDULE A, AND WILL INCLUDE THE FOLLOWING EXCEPTIONS UNLESS CLEARED TO THE SATISFACTION OF THE COMPANY:

1. ANY DEFECT, LIEN, ENCUMBRANCE, ADVERSE CLAIM, OR OTHER MATTER THAT APPEARS FOR THE FIRST TIME IN THE PUBLIC RECORDS OR IS CREATED, ATTACHES, OR IS DISCLOSED BETWEEN THE COMMITMENT DATE AND THE DATE ON WHICH ALL OF THE SCHEDULE B, PART I — REQUIREMENTS ARE MET. NOT A SURVEY RELATED ITEM.

2. RIGHTS OR CLAIMS OF PARTIES OR TENANTS IN POSSESSION BY VIRTUE OF RECORDED OR UNRECORDED LEASES. NOT A SURVEY RELATED

3. EASEMENTS, OR CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS. NONE OBSERVED.

4. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE SURVEY OF THE LAND. CONCRETE CURB, PAVEMENT, STORM SEWER AND BASKETBALL LOCATED AT THE END OF E. 119TH STREET S, SHOWN HEREON; SHED LOCATED AT NORTHWESTERLY CORNER OF SUBJECT PARCEL, SHOWN HEREON.

5. ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR OR MATERIAL HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS. NOT A SURVEY RELATED ITEM.

6. TAXES OR SPECIAL ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LIENS BY THE PUBLIC RECORDS. NOT A SURVEY RELATED ITEM.

7. AD VALOREM TAXES FOR THE YEAR 2022 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE AND PAYABLE. NOT A SURVEY RELATED ITEM.

8. ASSESSMENTS TO THE CITY OF COWETA, OKLAHOMA, FOR THE YEAR 2022 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE AND PAYABLE. NOT A SURVEY RELATED ITEM.

9. ASSESSMENTS TO THE RURAL WATER DISTRICT #4, OKLAHOMA, FOR THE YEAR 2022 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE AND

10. ALL INTEREST IN AND TO ALL OF THE OIL, GAS, COAL, METALLIC ORES AND OTHER MINERALS IN AND UNDER AND THAT MAY BE PRODUCED FROM THE LAND, AND ALL RIGHTS, INTERESTS AND ESTATES OF WHATSOEVER NATURE INCIDENT TO OR GROWING OUT OF SAID OUTSTANDING MINERALS. NOT A SURVEY RELATED ITEM.

11. STATUTORY SECTION LINE ROADS TO THE EXTENT THEY AFFECT THE SUBJECT PROPERTY. DOES NOT AFFECT SUBJECT PARCEL.

12. RIGHT OF WAY DEED IN FAVOR OF THE PRAIRIE PIPE LINE COMPANY, A CORPORATION, DATED APRIL 29, 1929, FILED JULY 6, 1929, AND RECORDED IN THE OFFICE OF THE WAGONER COUNTY CLERK IN BOOK 198 AT PAGE 467. AFFECTS SUBJECT PARCEL, EASEMENT BLANKET IN NATURE ACROSS ENTIRETY OF THE SE 1/4 OF SECTION 35, TOWNSHIP 18 NORTH, RANGE 15 EAST. (CANNOT BE PLOTTED)

13. RIGHT-OF-WAY EASEMENT IN FAVOR OF PUBLIC SERVICE COMPANY OF OKLAHOMA, AN OKLAHOMA CORPORATION, DATED AUGUST 27, 1984, FILED SEPTEMBER 20, 1984, AND RECORDED IN THE OFFICE OF THE WAGONER COUNTY CLERK IN BOOK 659 AT PAGE 160. **DOES NOT AFFECT SUBJECT**

14. UTILITY EASEMENT IN FAVOR OF THE CITY OF COWETA, WAGONER COUNTY, OKLAHOMA, A MUNICIPAL CORPORATION, DATED JUNE 24, 1985, FILED JUNE 25, 1985, AND RECORDED IN THE OFFICE OF THE WAGONER COUNTY CLERK IN BOOK 675 AT PAGE 39. DOES NOT AFFECT SUBJECT

15. EASEMENT DEED BY COURT ORDER IN SETTLEMENT OF LANDOWNER ACTION, CASE NO. CIV-11-1475-W, IN THE DISTRICT COURT FOR THE WESTERN DISTRICT, OKLAHOMA, DATED NOVEMBER 28, 2012, FILED AUGUST 19, 2013, AND RECORDED IN THE OFFICE OF THE WAGONER COUNTY CLERK IN BOOK 2106 AT PAGE 507. "EXHIBIT 1", NOT ATTACHED TO CASE NO. CIV-11-1475-W. "EXHIBIT 1"LIST ALL AFFECTED PARCELS. NO DESCRIPTION OF EASEMENTS IN DEED. COULD NOT DETERMINE IF ITEM 15 AFFECTS SUBJECT PARCEL.

16. ORDINANCE NO. 796, ADOPTING AN AMENDMENT, DATED JANUARY 8, 2018, FILED JANUARY 10, 2018, AND RECORDED IN THE OFFICE OF THE WAGONER COUNTY CLERK IN BOOK 2408 AT PAGE 502. AFFECTS SUBJECT PARCEL, APPROVES ZONING CHANGE TO PUD-02.

17. DEED OF DEDICATION IN FAVOR OF THE CITY OF COWETA, OKLAHOMA, DATED MARCH 26, 2020, FILED APRIL 2, 2020, AND RECORDED IN THE OFFICE OF THE WAGONER COUNTY CLERK IN BOOK 2569 AT PAGE 349. BENEFITS SUBJECT PARCEL, SHOWN HEREON.

18. ORDINANCE NO. 856, AMENDING A PLANNED UNIT DEVELOPMENT OVERLAY, DATED MARCH 7, 2022, FILED MARCH 9, 2022, AND RECORDED IN THE OFFICE OF THE WAGONER COUNTY CLERK IN BOOK 2785 AT PAGE 539. AFFECTS SUBJECT PARCEL, APPROVES ZONING CHANGE.

19. INSTRUMENTS FILED UNDER THE UNIFORM COMMERCIAL CODE AFFECTING THE PROPERTY. NO INSTRUMENTS PROVIDED.

FIDELITY NATIONAL TITLE INSURANCE SCHEDULE C LEGAL DESCRIPTION

COMMITMENT NO.: 21-0564SW COMMITMENT DATE: JULY 19, 2022 AT 05:01 PM

THE LAND IS DESCRIBED AS FOLLOWS:

ALL THAT PART OF THE NE/4 OF SECTION 35, TOWNSHIP 18 NORTH, RANGE 15 EAST, OF THE INDIAN BASE AND MERIDIAN, ACCORDING TO THE U.S. GOVERNMENT SURVEY THEREOF, WAGONER COUNTY, STATE OF OKLAHOMA, LYING SOUTH AND WEST OF THE M.K. & T. RAILROAD AND A TRACT OF PARCEL OF LAND IN THE SE/4 OF SECTION 35, TOWNSHIP 18 NORTH, RANGE 15 EAST OF THE INDIAN BASE AND MERIDIAN, ACCORDING TO THE U.S. GOVERNMENT SURVEY THEREOF, WAGONER COUNTY, STATE OF OKLAHOMA, SAID TRACT LYING WEST OF THE M.K. & T. RAILROAD IN SAID SECTION 35 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT:

BEGINNING AT THE SE CORNER OF SAID SE/4; THENCE S 89°52'11" W AND ALONG THE SOUTH LINE OF SAID SE/4 A DISTANCE OF 245.69 FEET TO A POINT THAT IS THE SE CORNER OF STEEPLECHASE APARTMENTS, A SUBDIVISION IN SAID SE/4; THENCE N 00° E AND ALONG THE EAST LINE OF SAID SUBDIVISION A DISTANCE OF 443 FEET TO THE NE CORNER THEREOF; THENCE S 89°52'11" W AND ALONG THE NORTH LINE OF SAID SUBDIVISION A DISTANCE OF 470 FEET TO THE EAST LINE OF TIMBER RIDGE PLAZA, A SUBDIVISION IN SAID SE/4; THENCE N 00° E AND ALONG THE EAST LINE THEREOF A DISTANCE OF 787.61 FEET; THENCE CONTINUING ALONG THE NORTHERLY LINE OF SAID SUBDIVISION THE FOLLOWING. N 28°34'33" W A DISTANCE OF 231.25 FEET; THENCE N 5°W FOR 272.94 FEET; THENCE N 90° W FOR 212.87 FEET; THENCE N 00° E FOR 121.52 FEET; THENCE N 90°W FOR 90 FEET TO THE EAST LINE OF TIMBER RIDGE ESTATES, A SUBDIVISION IN SAID SE/4; THENCE N 00°W AND ALONG THE EASTERLY LINE THEREOF TO THE NORTH LINE OF SAID SE/4; THENCE EASTERLY ALONG SAID NORTH LINE TO THE WESTERLY RIGHT—OF—WAY LINE OF THE M.K. & T. RAILROAD; THENCE S 29°03'54" E AND ALONG SAID WESTERLY RIGHT—OF—WAY LINE TO THE EAST LINE OF SAID SE/4; THENCE SOUTHERLY ALONG SAID EAST LINE TO THE SE CORNER OF SAID SE/4 AND THE POINT OF BEGINNING.

LESS AND EXCEPT THE FOLLOWING 3 TRACTS:

A TRACT OF LAND IN THE SE/4 OF SECTION 35, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF THE SE/4; THENCE S 88'44'55" W ALONG THE SOUTH LINE OF SAID SE/4 A DISTANCE OF 245.69 FEET; THENCE N 01'07'16" W ALONG THE BOUNDARY OF STEEPLECHASE APARTMENTS, ACCORDING TO THE RECORDED PLAT NO. PLC4-336 A DISTANCE OF 443.00 FEET TO THE POINT OF BEGINNING; THENCE S 88'44'55" W ALONG THE BOUNDARY OF SAID STEEPLECHASE APARTMENTS A DISTANCE OF 470.00 FEET TO THE BOUNDARY OF TIMBER RIDGE PLAZA, ACCORDING TO THE RECORDED PLAT NO. PLC4-310; THENCE N 01'07'16" W ALONG THE BOUNDARY OF SAID TIMBER RIDGE PLAZA, A DISTANCE OF 324.58 FEET; THENCE N 88'44'55" EA DISTANCE OF 405.24 FEET; THENCE S 29'47'54" E ALONG A LINE BEING PARALLEL AND 60.00 FEET WEST OF THE PRESENT RAILROAD RIGHT-OF-WAY A DISTANCE OF 369.50 FEET; THENCE S 88'44'55" W A DISTANCE OF 112.55 FEET TO THE POINT OF BEGINNING.

AND LESS

A TRACT OF LAND LOCATED IN THE SE/4 OF SECTION 35, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE SE/4 OF SECTION 35; THENCE S 88"44"55" W ALONG THE SOUTH LINE OF SAID

SE/4 A DISTANCE OF 35.25 FEET; THENCE N 01°24'11" W A DISTANCE OF 266.21 FEET; THENCE N 29°47'54" W A DISTANCE OF 570.76 FEET; THENCE N 60°12'06" EA DISTANCE OF 60.00 FEET TO THE PRESENT RAILROAD RIGHT-OF-WAY; THENCE S 29°47'54" E ALONG SAID PRESENT RAILROAD RIGHT-OF-WAY A DISTANCE OF 533.89 FEET TO THE EAST LINE OF SAID SE/4; THENCE S 01°24'11" E ALONG THE EAST LINE OF SAID SE/4 A DISTANCE OF 327.26 FEET TO THE POINT OF BEGINNING.

AND LESS

A TRACT OF LAND LOCATED IN THE SE/4 OF SECTION 35, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF THE SE/4 OF SECTION 35; THENCE S 88°44'55" W ALONG THE SOUTH LINE OF SAID SE/4 A DISTANCE OF 35.25 FEET TO THE POINT OF BEGINNING; THENCE S 88°44'55" W ALONG THE SOUTH LINE OF SAID SE/4 A DISTANCE OF 210.44 FEET; THENCE N 01°07'16" W ALONG THE BOUNDARY OF STEEPLECHASE APARTMENTS, ACCORDING TO THE RECORDED PLAT NO. PLC-4-336 A DISTANCE OF 443.00 FEET; THENCE N 88°44'55" EA DISTANCE OF 112.55 FEET; THENCE S 29°47'54" EA DISTANCE OF 201.26 FEET; THENCE S 01°24'11" EA DISTANCE OF 266.21 FEET TO THE POINT OF BEGINNING.

SURVEY LEGAL DESCRIPTION

SITUATED IN THE SOUTHEAST 1/4 OF SECTION 35, TOWNSHIP 18 NORTH, RANGE 15 EAST, OF THE INDIAN BASE AND MERIDIAN ACCORDING TO THE U.S. GOVERNMENT SURVEY THEREOF, IN THE CITY OF COWETA, COUNTY OF WAGONER AND STATE OF OKLAHOMA AND BEING A PART OF LAND CONVEYED TO ROLAND INVESTMENTS, LTD BY DEED RECORDED IN DEED BOOK 2569, PAGE 354 IN THE WAGONER COUNTY CLERKS OFFICE AND IS FURTHER BOUNDED AND DESCRIBED AS FOLLOWS;

COMMENCING AT A FOUND 5/8" IRON REBAR FOUND AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4, SECTION 35, TOWNSHIP 18 NORTH, RANGE 15 EAST; THENCE SOUTH 88°45'14" WEST A DISTANCE OF 245.69 FEET; THENCE NORTH 01°06'57" WEST A DISTANCE OF 443.00 FEET TO A POINT LYING IN A SOUTHERLY LINE OF LAND CONVEYED TO COWETA TRAILS, LP BY DEED RECORDED IN DEED BOOK 2591, PAGE 799 RECORDED IN THE WAGONER COUNTY CLERK'S OFFICE; THENCE ALONG SAID SOUTHERLY LINE NORTH 88°45'14" EAST A DISTANCE OF 112.55 FEET TO A 1/2" IRON REBAR, I.D. #1239, AT A SOUTHEASTERLY CORNER THEREOF SAID CORNER LYING IN A SOUTHWESTERLY RIGHT-OF-WAY OF SOUTH 273RD EAST AVENUE (60' WIDE); THENCE ALONG SAID SOUTHWESTERLY RIGHT-OF-WAY NORTH 29°47'35" EAST A DISTANCE OF 369.46 FEET TO A 1/2" IRON REBAR FOUND, I.D. #1239 AT A NORTHEASTERLY CORNER OF LAND SO CONVEYED TO COWETA TRAILS, LP AND BEING THE POINT OF BEGINNING OF THE PREMISES HEREIN INTENDED TO BE DESCRIBED;

THENCE ALONG SAID NORTHERLY LINE SOUTH 88'44'45" WEST A DISTANCE OF 405.18 FEET TO A 1/2" IRON REBAR, I.D. #1239, LYING IN AN EASTERLY LINE OF LOT 5 OF THE TIMBER RIDGE PLAZA RECORDED BY PLAT IN PLAT NUMBER PLC4-310 IN THE WAGONER COUNTY CLERK'S OFFICE; THENCE ALONG SAID EASTERLY LINE OF SAID SUBDIVISION NORTH 01'22'13" WEST A DISTANCE OF 461.62 FEET TO A 1/2" IRON REBAR, I.D. #1239, FOUND AT AN ANGLE POINT IN THE EASTERLY LINE OF LOT 42 OF SAID SUBDIVISION; THENCE CONTINUING ALONG SAID EASTERLY LINE NORTH 29'46'21" WEST A DISTANCE OF 178.91 FEET TO A CAPPED 5/8" IRON REBAR SET, I.D. C. ED GRAY #1684; THENCE SOUTH 75'32'28" EAST A DISTANCE OF 55.37 FEET TO A CAPPED 5/8" IRON REBAR SET, I.D. C. ED GRAY #1684 AT AN ANGLE POINT THEREIN; THENCE SOUTH 58'48'02" EAST A DISTANCE OF 62.33 FEET TO A CAPPED 5/8" IRON REBAR SET, I.D. C. ED GRAY #1684 AT AN ANGLE POINT THEREIN; THENCE SOUTH 58'48'02" EAST A DISTANCE OF 62.33 FEET TO A CAPPED 5/8" IRON REBAR SET, I.D. C. ED GRAY #1684 LYING IN THE EXTENDED SAID SOUTHWESTERLY RIGHT-OF-WAY SOUTH 27'35" EAST A DISTANCE OF 609.93 FEET TO THE PLACE OF BEGINNING CONTAINING 148,802 SQ. FT. OR 3.42 ACRES (MORE OR LESS) OF LAND.



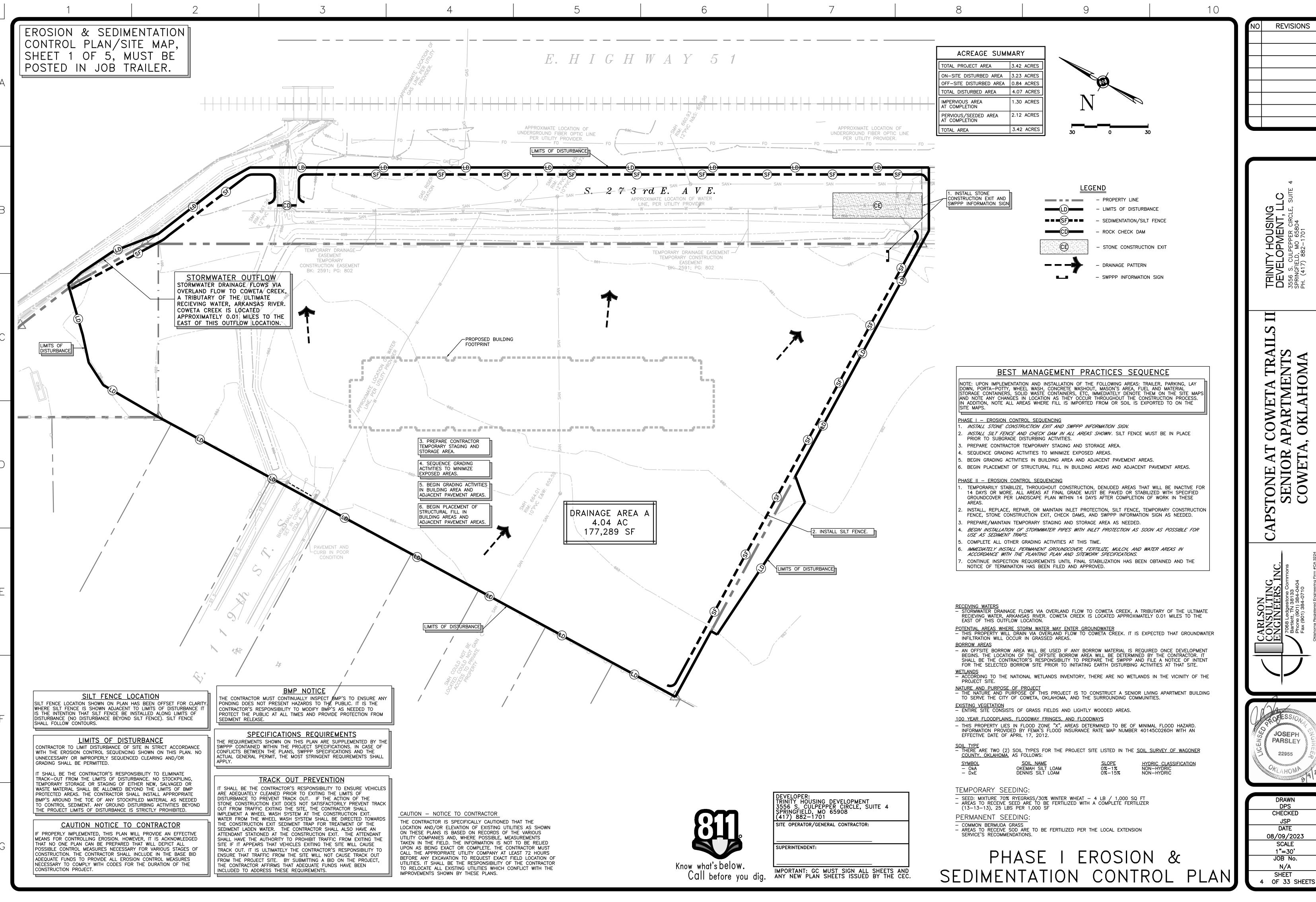
ALTA/NSPS LAND TITLE SURVEY
FOR
TRINITY HOUSING DEVELOPMENT, LLC

SE 1/4, SEC. 35, T-18-N, R-15-E, COWETA, WAGONER COUNTY, OKLAHOMA

ED GRAY, RPLS

501 E CENTERTON BLVD
APT #1917
CENTERTON, AR 72719

SCALE: 1"=40' DRAWING FILE: COWETA II JOB No. TRINITY
DATE: 5/3/2023 DRAWN BY: DCR/DCS/JSL SHEET 2 OF 2

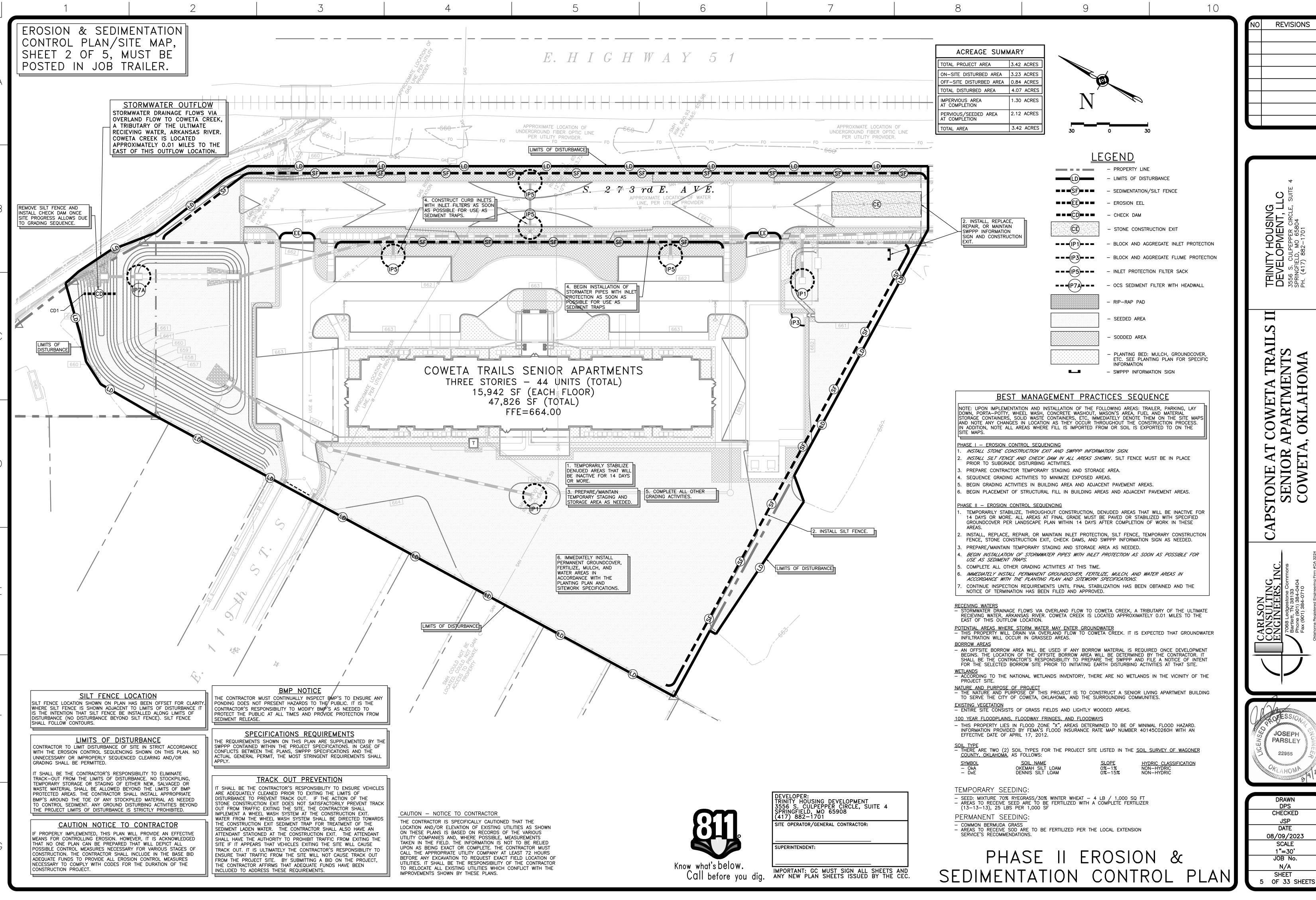


HOUSING
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JOSEPH PARSLEY 22955

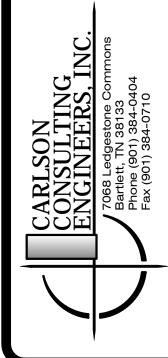
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SHEET



REVISIONS

HOUSING
PEPPER CIRCLE
MO 65804
32-1701





CHECKED 08/09/2023 1"=30" JOB No.

SHEET

- A. THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THIS DRAWING ("SITE MAP"), THE STANDARD DETAILS, SPECIFICATIONS SECTION 02370 ("SWPPP"), PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS
- B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES
- PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS. . CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- D. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- E. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- . CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- G. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA. EMPLOYEE PARKING AREA. AND ARE FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWN STREAM SIDES IN COMPLIANCE WITH 02370 SPECIFICATION.
- H. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR
- . SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- . DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- K. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE
- . ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- M. ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS AS SHOWN ON SITE MAP.
- N. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- . IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
- P. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED
- Q. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION
- R. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE ANI BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- . SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- T. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCE, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE. U. SEE SITE PLAN FOR PERMANENT SIGNAGE.
- V. GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- W. REFER TO THE SWPPP FOR REPORTABLE SPILL QUANTITIES OF PETROLEUM PRODUCTS AND/OR HAZARDOUS WASTES.
- . CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- REFER TO 02370 SPECIFICATION FOR RUN-OFF SAMPLING/MONITORING REQUIREMENTS IF APPLICABLE TO SITE DURING CONSTRUCTION.

MAINTENANCE REQUIREMENTS:

ALL MEASURES STATED ON THIS SITE MAP. AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- . INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
- 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
- 3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXISTS AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
- PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. AND DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

CAUTION - NOTICE TO CONTRACTOR

IMPROVEMENTS SHOWN BY THESE PLANS.

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 UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE

CONSTRUCTION SEQUENCE

TEMPORARY CONSTRUCTION EXITS FEMPORARY CONTROL MEASURES

STRIP & STOCKPILE TOPSOII

ROUGH GRADING

FINISH GRADING

STORM FACILITIES

SITE CONSTRUCTION

SEDIMENT CONTROL BASIN(S)/TRAP(S

PERMANENT CONTROL STRUCTURES

OPERATION TIME SCHEDULE

FOUNDATION / BUILDING CONSTRUCTION

ANDSCAPING/SEED/FINAL STABILIZATION

RAINFALL

IN INCHES

- PERMANENT STABILIZATION SHALL BE ACCOMPLISHED IN ALL DISTURBED AREAS BY COVERING THE SOIL WITH PAVEMENT, BUILDING STRUCTURES, VEGETATION, OR OTHER FORMS OF SOIL STABILIZATION.
- . THE GC IS REQUIRED TO INITIATE PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY UPON REACHING FINAL GRADE. FOR THOSE AREAS NOT AT FINAL GRADE THAT WILL NOT BE DISTURBED FOR GREATER THAN 14 DAYS, THE CONTRACTOR SHALL INITIATE TEMPORARY STABILIZATION PER THE TEMPORARY SEEDING OR STABILIZATION DETAIL.
- THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED. SOILS MUST BE PREPARED BEFORE INSTALLATION OF SOD OR SEED. SEE 02900 SPECIFICATION FOR INSTRUCTION ON PROPER SOIL PREPARATION.
- AT THE COMPLETION OF GROUND-DISTURBING ACTIVITIES, THE ENTIRE SITE MUST HAVE PERMANENT VEGETATIVE COVER MEETING VEGETATIVE DENSITY REQUIREMENTS IN THE GENERAL PERMIT, OR MULCH PER LANDSCAPE PLAN, IN ALL AREAS NOT COVERED BY HARDSCAPE (STONE, PAVEMENT, BUILDINGS, ETC.).
- SEEDED AREAS SHALL BE PROTECTED WITH STRAW MULCH, HYDRAULIC MULCH OR A ROLLED EROSION CONTROL PRODUCT. STRAW MULCH MUST BE TACKIFIED OR CRIMPED BY DISC OR OTHER MACHINERY, AND ROLLED EROSION CONTROL PRODUCTS MUST BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. ONLY ROLLED EROSION CONTROL PRODUCTS ARE PERMITTED TO BE USED IN FLOW CONVEYANCES.
- ALL AREAS TO BE SEEDED MUST MEET TOPSOIL DEPTH, PH AND ORGANIC CONTENT REQUIREMENTS AS SPECIFIED IN THE 02900 SPECIFICATION - PLANTING OR XERISCAPE SPECIFICATION.
- 3. FINAL SITE STABILIZATION IS ACHIEVED WHEN PERENNIAL VEGETATIVE COVER PROVIDES PERMANENT STABILIZATION WITH A UNIFORM DENSITY GREATER THAN 70 PERCENT OVER THE ENTIRE AREA TO BE STABILIZED BY VEGETATIVE COVER. THIS AREA IS EXCLUSIVE OF AREAS THAT ARE COVERED WITH ROCK (CRUSHED GRANITE, GRAVEL, ETC.) OR LANDSCAPE MULCH, PAVED OR HAVE A BUILDING OR OTHER PERMANENT STRUCTURE ON THEM.

PERMANENT SEEDING, SOD OR MULCHING

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR ESTIMATED PROJECT SCHEDULE

1) CONTRACTOR MUST COMPLETE TABLE WITH ESTIMATED DATES OR PROJECT ACTIVITIES PRIOR TO BMP CERTIFICATION.

2) TIME SCHEDULE MUST COINCIDE WITH THE SWPPP IMPLEMENTATION SEQUENCE.

1.60

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

SITE RAINFALL SUMMARY

3.95 6.11

THE DESIGN RAIN EVENT FOR THE PROJECT IS: 2-YEAR/24-HOUR RAIN EVENT - 4.4 INCHES

THE TOTAL AVERAGE ANNUAL RAINFALL FOR THE PROJECT AREA IS: 42.42 INCHES

JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV |

4.72

2.96

2.85

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DE

- 1. THE GC IS REQUIRED TO, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT LIKELY RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- 2. THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
- 3. ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.
- 4. ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
- 5. IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
- 6. ALTERNATIVE STABILIZATION MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ANCHORED STRAW/HAY MULCH, WOOD CELLULOSE FIBER MULCH, SPRAY-ON SOIL GLUES/BINDERS, AND ROLLED EROSION CONTROL PRODUCTS.
- 7. ALL ROLLED EROSION CONTROL PRODUCTS SHALL HAVE CURRENT QDOR(TM) STATUS ISSUED BY THE EROSION CONTROL TECHNOLOGY COUNCIL (ECTC) PLUS ANY STATE OR AGENCY-SPECIFIC REQUIREMENTS. EVIDENCE OF QDOR(TM) APPROVAL SHALL ACCOMPANY THE PRODUCT SHIPPED TO THE JOBSITE FOR READY IDENTIFICATION BY THE CONTRACTOR OR AGENCY
- 8. ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF REINFORCED MATES) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED DAILY. RILING, RUTTING AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR INSTALLED PROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.

TEMPORARY SEEDING OR STABILIZATION

EROSION CONTROL DETAILS, SHEET 3 OF 5, MUST BE POSTED IN JOB TRAILER.

NOTES:

IS APPLIED AND FINAL GRADE IS REACHED.

PERMIT REQUIREMENTS.

- 1. CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED. 2. SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MULCH PER THE CONSTRUCTION DRAWINGS AND THE 02900 PLANTING SPECIFICATION IMMEDIATELY AFTER TOPSOIL
- 3. THE SITE HAS ACHIEVED FINAL STABILIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OTHER LANDSCAPING COVER (STONE, MULCH, ETC.), OR HAVE A STAND OF GRASS WITH A MINIMUM OF 70 PERCENT DENSITY OVER THE ENTIRE VEGETATED AREA, OR GREATER IN ACCORDANCE WITH THE GENERAL
- 4. VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.
- 5. THE VEGETATIVE DENSITY MUST BE MAINTAINED THROUGH PROJECT COMPLETION TO BE CONSIDERED STABILIZED. AREAS PROTECTED BY EROSION CONTROL BLANKETS ARE NOT PERMANENTLY STABILIZED UNTIL THE APPLICABLE GENERAL PERMIT REQUIREMENT FOR FINAL VEGETATIVE DENSITY IS ACHIEVED.
- 6. RIP-RAP, MULCH, GRAVEL, DECOMPOSED GRANITE OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES MAY BE EMPLOYED IN LIEU OF VEGETATION BASED ON SITE-SPECIFIC CONDITIONS, DESIGN AND GOVERNING AUTHORITY APPROVAL
- 7. ALL SEEDED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

SEEDING/VEGETATION REQUIREMENTS

SITE SOILS SUMMARY IE PROJECT GEOTECHNICAL REPORT INDICATES THAT THE OVERBURDEN MATERIAL CONSISTS OF VARIOUS SOIL TYPE AND TEXTURE: COMBINATIONS OF SAND AND CLAY. THE OVERBURDEN IS UNDERLAIN BY WEATHERED LIMESTONE TO THE BORING TERMINATION DEPTHS OF APPROXIMATELY 16 TO 19 FEET BELOW THE PRESENT GRADES. AVERAGE DEPTH OF TOPSOIL: 6" PER THE GEOTECHNICAL REPORT GROUND WATER WAS NOT OBSERVED IN THE BORINGS AT THE TIME OF EXPLORATION. AVERAGE DEPTH TO GROUNDWATER:

NOTE: THE ABOVE SOILS INFORMATION IS FOR INFORMATION ONLY AND SHOULD NOT BE USED FOR BIDDING PURPOSES, CONSTRUCTION COSTS OR ESTIMATING

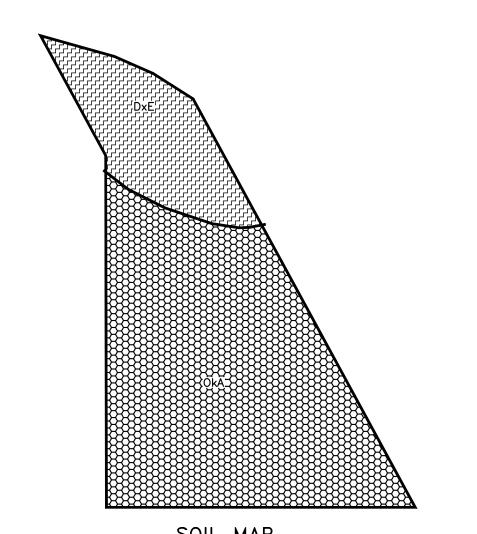
SITE SOILS SUMMARY

SITE	E LOCATION SUMMARY
ADDRESS:	WEST SIDE OF UNION PACIFIC RAILROAD TRACK, APPROXIMATELY 1200' NORTH OF ITS INTERSECTION WITH E. 121st ST S. IN COWETA, OK.
CENTER OF SITE:	
LATITUDE:	35°59'27" N (35.990833 N)
LONGITUDE:	95°40'28" W (95.674444 W)
ADJACENT SURROUNDING PROPERTIES:	NORTH: VACANT EAST: RAILROAD/HIGHWAY SOUTH: APARTMENTS WEST: RESIDENTIAL

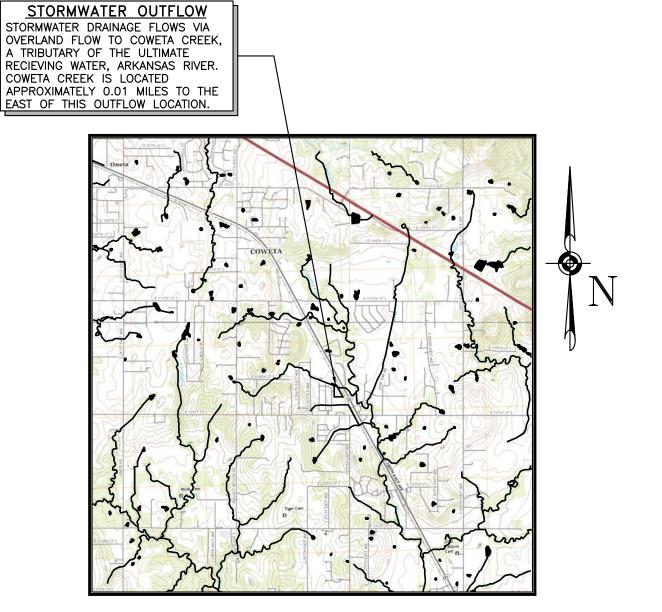
SITE RAINFALL SUMMARY SITE LOCATION SUMMARY

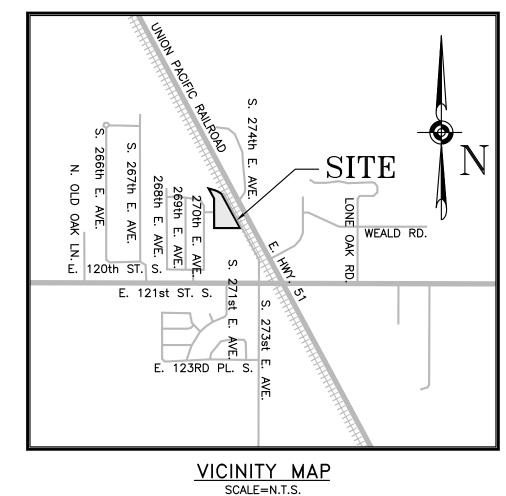
QUADRANGLE MAP

4.76 4.05 3.47



	SURVEY MAP UNIT BOL	SOIL NAME	SLOPES	HYDRIC CLASSIFICATION
OkA		OKEMAH SILT LOAM	0-1%	NON-HYDRIC
DxE		DENNIS-RADLEY COMPLEX	0-15%	NON-HYDRIC

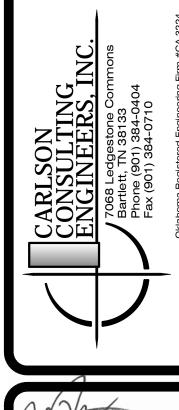


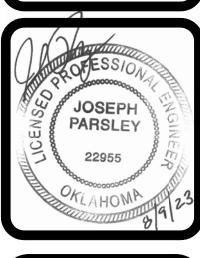


USGS QUADRANGLE MAP SCALE=1"=4,500 FEET

EROSION CONTROL DETAILS VICINITY MAP

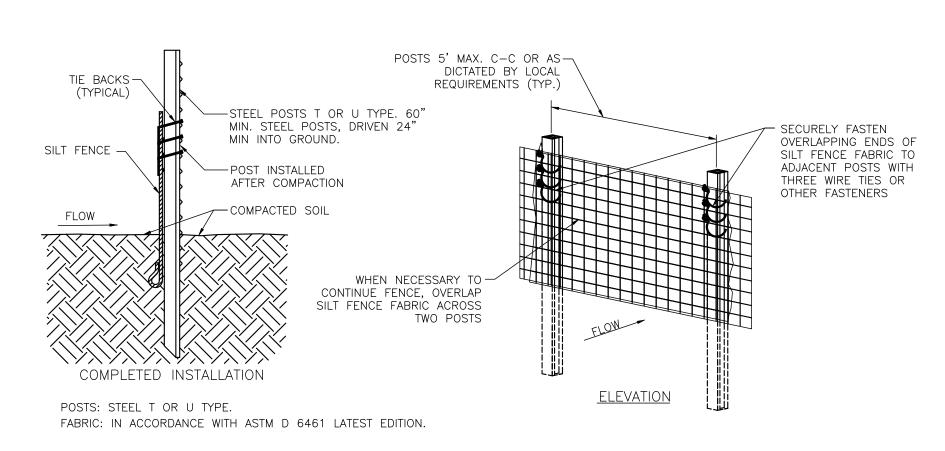
REVISIONS

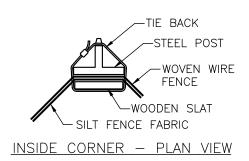




CHECKED 08/09/2023 JOB No. N/A 6 OF 33 SHEETS

SOIL MAP





SPECIFICATIONS FOR STATIC SLICING METHOD FOR SILT FENCE INSTALLATION

(STATIC SLICING SHALL BE USED TO ANCHOR SILT FENCE FABRIC IN ORDER TO NOT USE THE WOVEN WIRE BACKING.)

1. SILT FENCE SHALL BE PROVIDED AND INSTALLED PER ASTM D-6462-03 LATEST EDITION.
2. INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE ALONG THE CONTOUR WITH THE ENDS CURVED UPHILL TO PROVIDE SUFFICIENT LIPSTREAM STORAGE VOLLIME FOR ANTICIPATED BUNGEF

- UPSTREAM STORAGE VOLUME FOR ANTICIPATED RUNOFF.

 3. SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
- 4. INSTALL POSTS AT A MINIMUM DEPTH OF 24" ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT UPSTREAM WATER PRESSURE ON THE FABRIC.
- THE FABRIC, ENABLING POSTS TO SUPPORT UPSTREAM WATER PRESSURE ON THE FABRIC.

 5. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.
- 6. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. ALSO, EACH TIE SHOULD
- BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.

 7. WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.

 8. WHEN NECESSARY TO CONTINUE FENCE, OVERLAP SILT FENCE FABRIC ACROSS TWO POSTS.
- 9. NO MORE THAN 24" OF A 36" FABRIC IS ALLOWED ABOVE GROUND LEVEL.

 10. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION. USE A FLAT—BLADED
- SHOVEL TO TUCK FABRIC DEEPER INTO THE TRENCH IF NECESSARY.

 11. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH. COMPACT THE UPSTREAM SIDE FIRST. COMPACT EACH SIDE TWICE FOR A
- TOTAL OF FOUR TRIPS.

 12. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED A MINIMUM OF 60" ACROSS TWO
- POSTS, AS SHOWN. 13. ADD POST CAPS AS NEEDED BASED ON SITE CONDITIONS AND APPLICABLE AGENCY REQUIREMENTS.

MAINTENANCE NOTES

SILT FENCE

- 1. SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE—THIRD THE HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT
- ACCUMULATED SEDIMENTS FROM REACHING ON—THIRD THE HEIGHT OF THE SILT FENCE.

 2. ALL MATERIAL EXCAVATED FROM BEHIND SILT FENCE SHALL BE STOCKPILED ON AN UPLAND PORTION OF THE SITE IF SUITABLE
- FOR REUSE.
 3. SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
- 4. IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHOULD IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPS (PENDING CEC APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT
- 5. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.

TABLE 1 Temporary Silt Fence Material Property Requirements

	TABLE I Tellipo	rury Silt Felice i	waterial Frope	erty Requirements		
		Test Method	Units	Supported ⁴ Silt Fence	Unsupported ⁴ Silt Fence	Type of Value
Grab Strength		ASTM D 4632	N (lbs)			
	Machine Direction			400 (90)	550 (90)	MARV
	X—Machine Direction			400 (90)	450 (90)	MARV
Permittivity ^B		ASTM D 4491	sec-1	0.05	0.05	MARV
Apparent Opening Size ^B		ASTM D 4751	mm (US Sieve #)	0.60 (30)	0.60 (30)	Max. ARV ^C
Ultraviolet Stability		ASTM D 4355	% Retained Strength	70% after 500 h of exposure	70% after 500 h of exposure	Typical

A Silt fence support shall consist of 14 gage steel wire with a mesh spacing of 150 mm (6 in.) or prefabricated polymer mesh of equivalent strength.

B These default values are based on empirical evidence with a variety of sediments. For environmentally sensitive areas, a review of previous experience and/or site or regionally specific geotextile tests in accordance with Test Method D 5141 should be performed by the agency to confirm suitability of these requirements.

c As measured in accordance with Test Method D 4632.

TABLE 1 TAKEN FROM ASTM D 6461—99 (2007)

NON-WIRE BACKED SLICING METHOD FOR SILT FENCE INSTALLATION

—4'(MINIMUM)— _SWP3 INFORMATION "SWP3 INFORMATION" MUST BE-DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL. CITY OF COWETA NOTICE OF INTENT (NOI) TORMWATER PERMIT SITE NOTICE SIGN TO BE CONSTRUCTED OF -A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE COVERAGE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.). DETAILED DESCRIPTION OF THE LOCATION OF THE SWP3 DOCUMENTATION ON THE SITE.

NOTES:

- THE SWP3 INFORMATION SIGN MUST BE LOCATED IN A PROMINENT, PUBLICLY ACCESSIBLE LOCATION NEAR THE MAIN ENTRANCE OF THE SITE, SUCH THAT THE DOCUMENTATION CAN BE READ WITHOUT ACCESSING THE JOBSITE, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A TRAFFIC SAFETY HAZARD.
 ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE—OF—TERMINATION (NOT) IS FILED FOR THE PERMIT.
- 3. ALL PAGES OF NOTICES OF INTENT AND PERMIT AUTHORIZATIONS MUST BE POSTED. THE CONTRACTOR MAY
 UTILIZE ACCESSIBLE WATERPROOF FOLDERS TO STORE THESE DOCUMENTS IF IT WILL BE DIFFICULT TO POST ALL
 PAGES INDIVIDUALLY.

 4. CONTRACTOR SHALL POST OTHER STORMWATER AND OR FROSION AND SEDIMENT CONTROL RELATED PERMITS ON
- CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON
 THE SIGN AS REQUIRED BY THE GOVERNING AGENCIES.
 SUBSEQUENT PERMIT MODIFICATION REQUESTS OR RENEWAL APPLICATIONS AND THEIR ASSOCIATED
- AUTHORIZATIONS OR RESPONSES SHALL BE POSTED ON THE SWPPP SIGN.

 6. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT—OF—WAY AND EASEMENTS UNLESS APPROVED BY THE
- GOVERNING AGENCY.

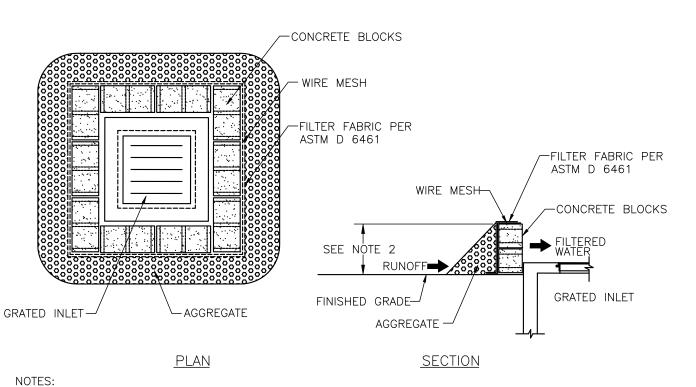
 7. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWP3 INFORMATION SIGN.

SIDEL FOR ENSURING STABLETT OF THE SWITT INFORMATION SIGN.

EDGE OF EXISTING PAVEMENT-

SWP9 INFORMATION SIGN N.T.S. SS

EROSION & SEDIMENTATION CONTROL PLAN/SITE MAP, SHEET 4 OF 5, MUST BE POSTED IN JOB TRAILER.



1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.

2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4", 8", OR 12" BLOCKS. MIN. HEIGHT OF BARRIER SHALL BE 12" AND MAX. HEIGHT SHALL BE 24".
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.

4. THE AGGREGATE SHALL BE 3/4"-2" ANGULAR CLEAN STONE, WHICH WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

MAINTENANCE NOTES:

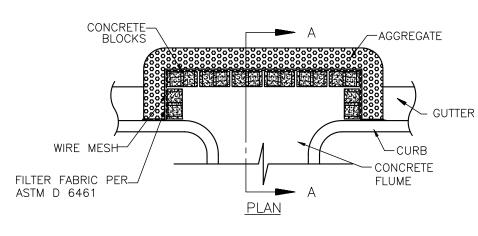
- INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN (IF USING INSERT—TYPE DEVICE) OR UPGRADIENT OF THE INLET.
 REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY
- UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
- 3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW—RATES
 THAT MAY CAUSE DOWNSTREAM FLOODING.
 4. CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT

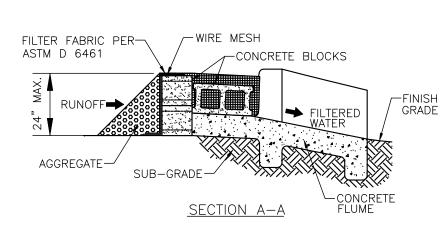
DOWNSTREAM BMPS, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF

INLET PROTECTION DEVICES HAS OCCURRED.
5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

BLOCK AND AGGREGATE INLET PROTECTION
N.T.S.

BLOCK AND AGGREGATE INLET PROTECTION





NOTES:

- PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF FLUME ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
 HEIGHT OF BARRIER VARIES. USE STACKS OF 4", 8", OR 12" BLOCKS. TOP OF BARRIER MUST BE LOWER THAN TOP OF CURB ELEVATIONS ADJACENT TO FLUME. MAX.
- 3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
 4. THE AGGREGATE SHALL BE 3/4" 2" ANGULAR CLEAN STONE WHICH WILL SLOW THE
- FLOW OF WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE FLUME.

5. IF ROAD OR PARKING AREA IS OPEN TO PUBLIC, VERIFY SUITABILITY OF BMP WITH AGENCIES HAVING JURISDICTION AND WITH CEC.

MAINTENANCE NOTES:

HEIGHT SHALL BE 24".

- INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN
 THE CATCH BASIN (IF USING INSERT-TYPE DEVICE) OR UPGRADIENT OF THE INLET.
 REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET
 MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY
- OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.

 3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW—RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
- 4. CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPS, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
- 5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.



BLOCK AND AGGREGATE FLUME PROTECTION

2"-3" CRUSHED--EXISTING ASPHALT APPROACH STONE OVERFLOW WEIR SEE SITE MAP FOR LOCATION . COMPACTED SUBGRADE -SEE 02300 SPECIFICATION FOR COMPACTION REQUIREMENTS) GEOTEXTILE FABRIC -FOR SEPARATION (SEE APPROVED LIST) 6" CRUSHED-STONE BASE GEOTEXTILE FABRIC FOR -DRAINAGE AND FILTRATION (SEE APPROVED LIST) 6" MIN. DEPTH-2"-3" CLEAN STONE

PERFORMANCE STANDARDS:

COMPACTED SUBGRADE

DIRECTLY DISCHARGED OFF-SITE

- 1. ALL SITE ACCESS MUST BE CONFINED TO THE CONSTRUCTION EXIT(S). BARRICADE TO PREVENT USE OF ANY LOCATIONS OTHER THAN THE CONSTRUCTION EXIT(S) WHERE VEHICLES OR EQUIPMENT MAY ACCESS THE SITE.
- CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF
 THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.
 PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED. SEDIMENT TRAP SHALL BE
- LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND AT À MINIMUM SETBÁCK DISTANCE AS REQUIRED PER LOCAL JURISDICTION.
- 4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT(S) IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. ALL WASH WATER MUST BE ROUTED TO A SEDIMENT TRAP OR OTHER TREATMENT AREA AND SHALL NOT BE
- 5. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF SEDIMENT TRACKING BEYOND THE PERMITTED PROJECT AREA. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- 6. ANY SEDIMENT DEPOSITED ON THE ROADWAY SHALL BE SWEPT AS NECESSARY (AND WITHIN THE SAME DAY AS DISCOVERY) AND DISPOSED OF IN AN APPROPRIATE MANNER. SEDIMENT SHALL NOT BE WASHED INTO STORM SEWER
- 7. EXIT(S) SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD BEYOND THE EXIT(S). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXIT(S) AS CONDITIONS DEMAND.
- 8. CONTRÁCTOR SHALL BE PERMITTED TO TURN THE STONE WHEN THE SURFACE BECOMES SMOOTH AND SURFACE VOIDS ARE FILLED TO MAINTAIN EFFECTIVENESS OF CONSTRUCTION EXIT UNTIL SUCH TIME THAT VOIDS BELOW THE SURFACE BECOME FILLED AND THE CONSTRUCTION EXIT IS NO LONGER EFFECTIVE. AT SUCH A TIME THE
- CONTRACTOR SHALL REMOVE THE INEFFECTIVE STONE AND REPLACE PER DETAIL.

 9. IF EXIT BMP IS STILL INEFFECTIVE, GC MUST CONTACT THE ENGINEER AND SUBMIT AN RFI AS NECESSARY.

 10. IF WATER REMAINS IN SEDIMENT TRAP FOR MORE THAN 48 HOURS THE WATER SHALL BE PUMPED OUT THROUGH A FILTER BAG TO ENSURE DESIGN VOLUME IS AVAILABLE FOR FUTURE STORM EVENTS.

APPROVED GEOTEXTILE FABRICS:

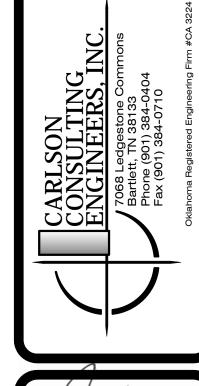
1. MIRAFI HP 370 OR HP 570 BY MIRAFI
2. SF40 OR SF56 BY DUPONT
3. LINQ GTF-200 OR 300 BY LINQ
4. TERRATEX HD BY WEBTEC

NOTE TO GC: THE GOAL OF A CONSTRUCTION EXIT AND ASSOCIATED WHEEL WASH AREAS IS TO ELIMINATE TRACK OUT. SIMPLY MANAGING TRACK OUT THROUGH DESIGNATED OR CONTINUAL STREET SWEEPING IS NOT AN ACCEPTABLE PRACTICE. WHILE STREET SWEEPING IS AN ACCEPTABLE PRACTICE FOR REMOVING DUST AND MINIMAL AMOUNTS OF FINE SEDIMENT, OBSERVABLE TRACK OUT FROM THE PROJECT SHALL TRIGGER THE USE OF ADDITIONAL MEASURES (WHEEL WASH), CONSIDERATION OF ALTERNATE EXITS, OR DISCONTINUING VEHICLE TRAFFIC UNTIL CONDITIONS ON—SITE HAVE IMPROVED. TRACK OUT IS A SEDIMENT RELEASE. ALL SEDIMENT RELEASES MUST BE REPORTED TO THE SWCT VIA THE ONLINE CRITICAL INCIDENT REPORT.

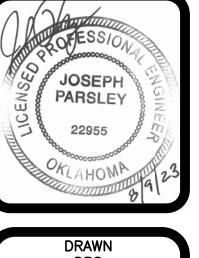
NOTE TO WHEEL WATRACK OU NOT AN A ACCEPTABL OF FINE S SHALL TRI CONSIDERATRAFFIC U SEDIMENT THE SWCT

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CHECKED
JSP
DATE
08/09/2023
SCALE
NTS
JOB No.
N/A

7 OF 33 SHEETS



REVISIONS



CONSTRUCTION EXIT

GEOTEXTILE FABRIC

(SEE APPROVED LIST)

FOR SEPARATION

-6" CRUSHED

STONE BASE

(SEE SITE MAPS)

-GEOTEXTILE FABRIC FOR

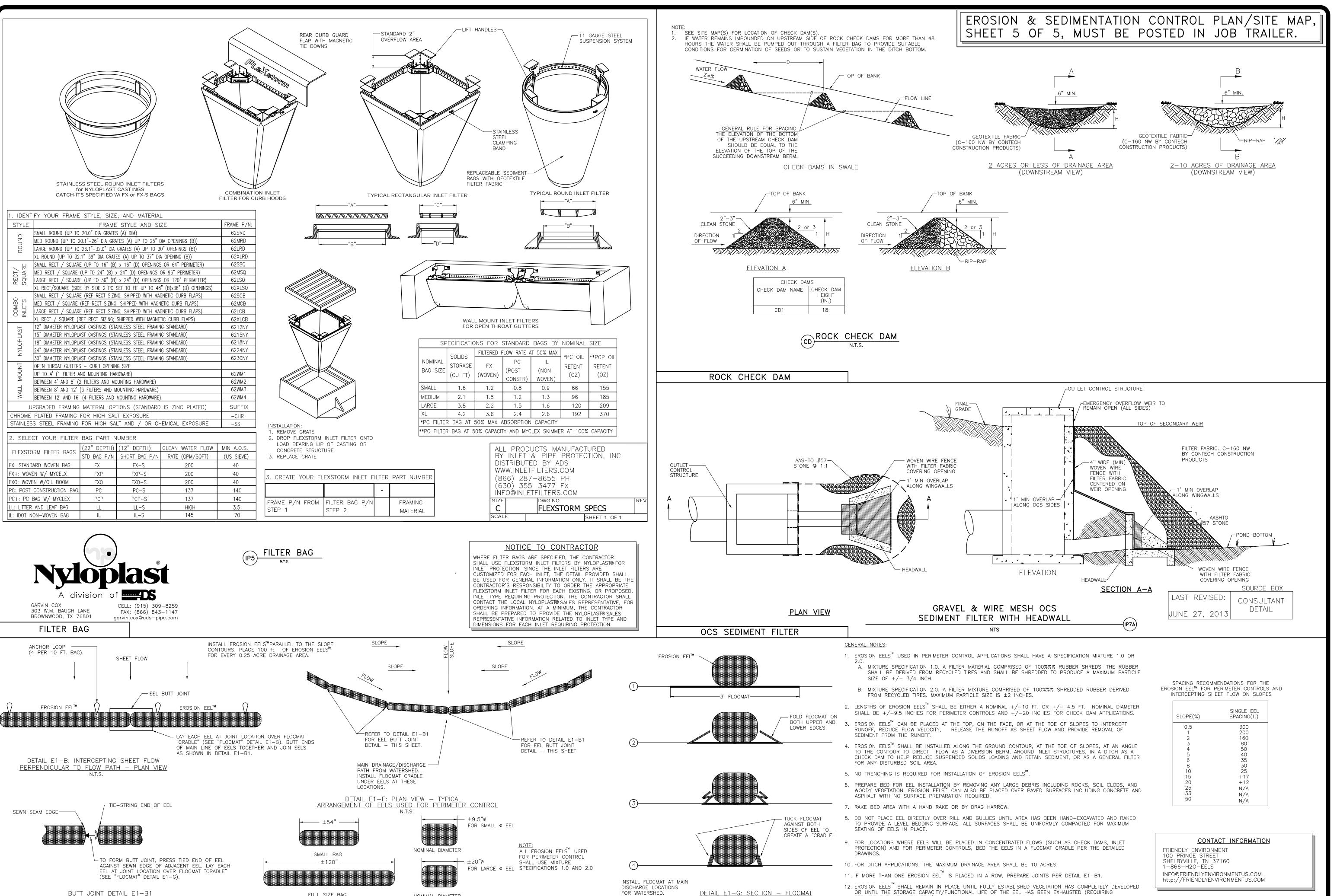
(SEE APPROVED LIST)

_6" MIN. DEPTH

SECTION A-A

2"-3" CLEAN STONE

DRAINAGE AND FILTRATION



FOR WATERSHED.

EROSION EEL

REPLACEMENT WITH NEW EELS).

EQUIPPED WITH A METAL ANCHOR PLATE.

13. ANCHORING POSTS FOR CHECK DAM APPLICATIONS SHALL HAVE A MINIMUM WEIGHT OF 1.25 LBS/FT STEEL T-POSTS (5 TO 7 FT. LENGTHS) ROLLED FROM HIGH CARBON STEEL. POSTS SHOULD BE HOT-DIP

GALVANIZED OR COATED WITH A WEATHER-RESISTANT PAINT FOR STEEL APPLICATION. POSTS SHOULD BE

14. PLACE T-POSTS THROUGH HANDLE OF BAGS. DO NOT DRIVE POSTS THROUGH EROSION EELS™. T-POSTS ARE

TO BE EMBEDDED A MINIMUM OF 3 FT. INTO GROUND ON STEEP SLOPES GREATER THAN 25%%%.

NOMINAL DIAMETER

BUTT JOINT DETAIL E1-B1

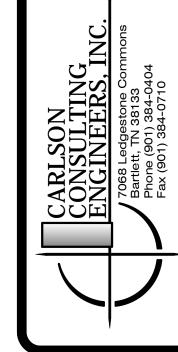
SOURCE BOX

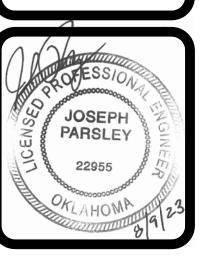
CEC

STANDARD

DFTAII

LAST REVISED:

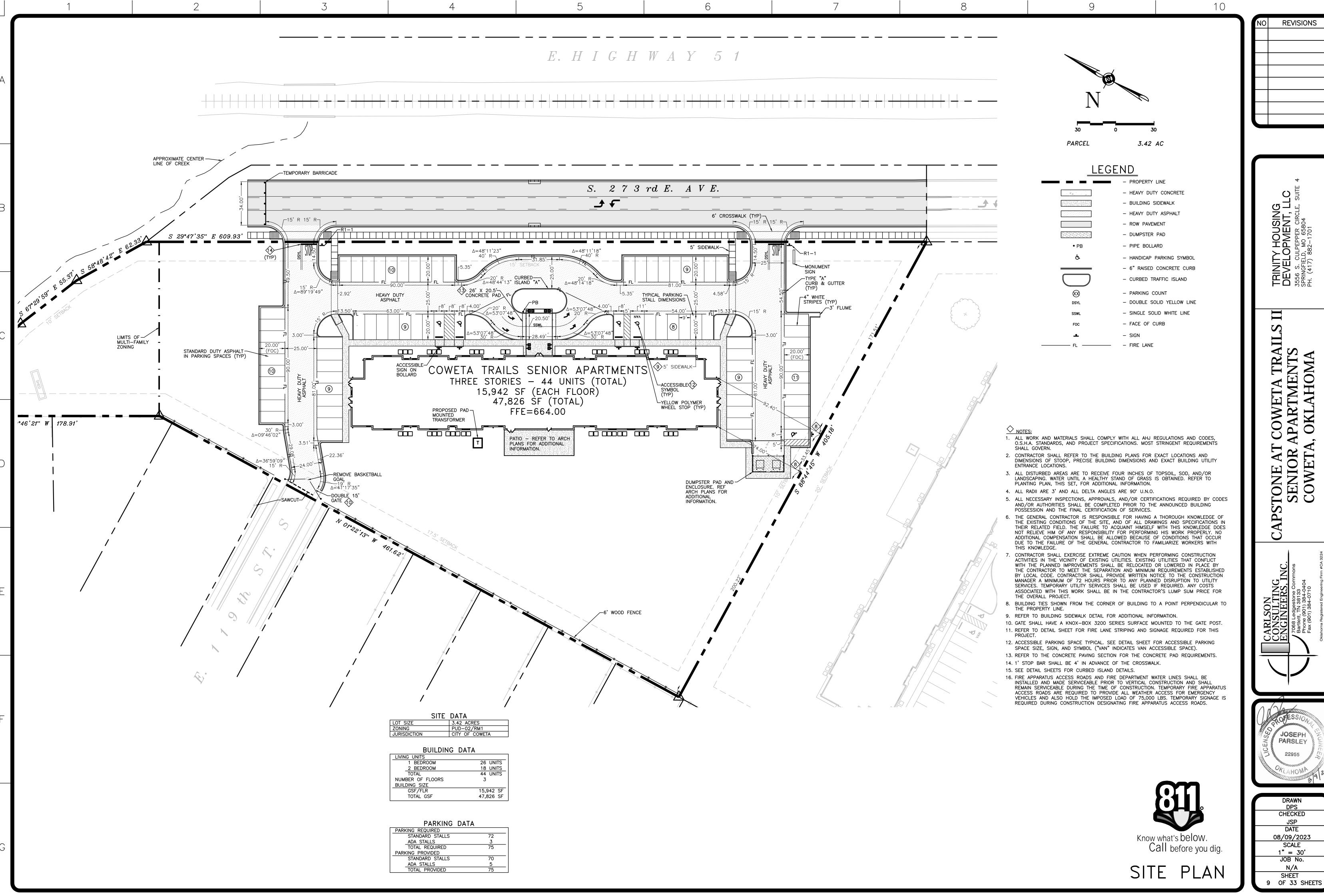




DRAWN DPS CHECKED 08/09/2023 JOB No. N/A SHEET 8 OF 33 SHEETS

EROSION

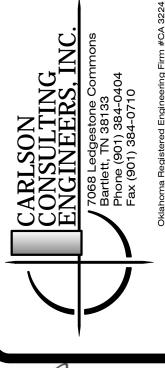
CONTROL DETAILS

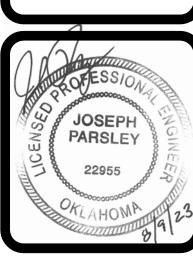


REVISIONS

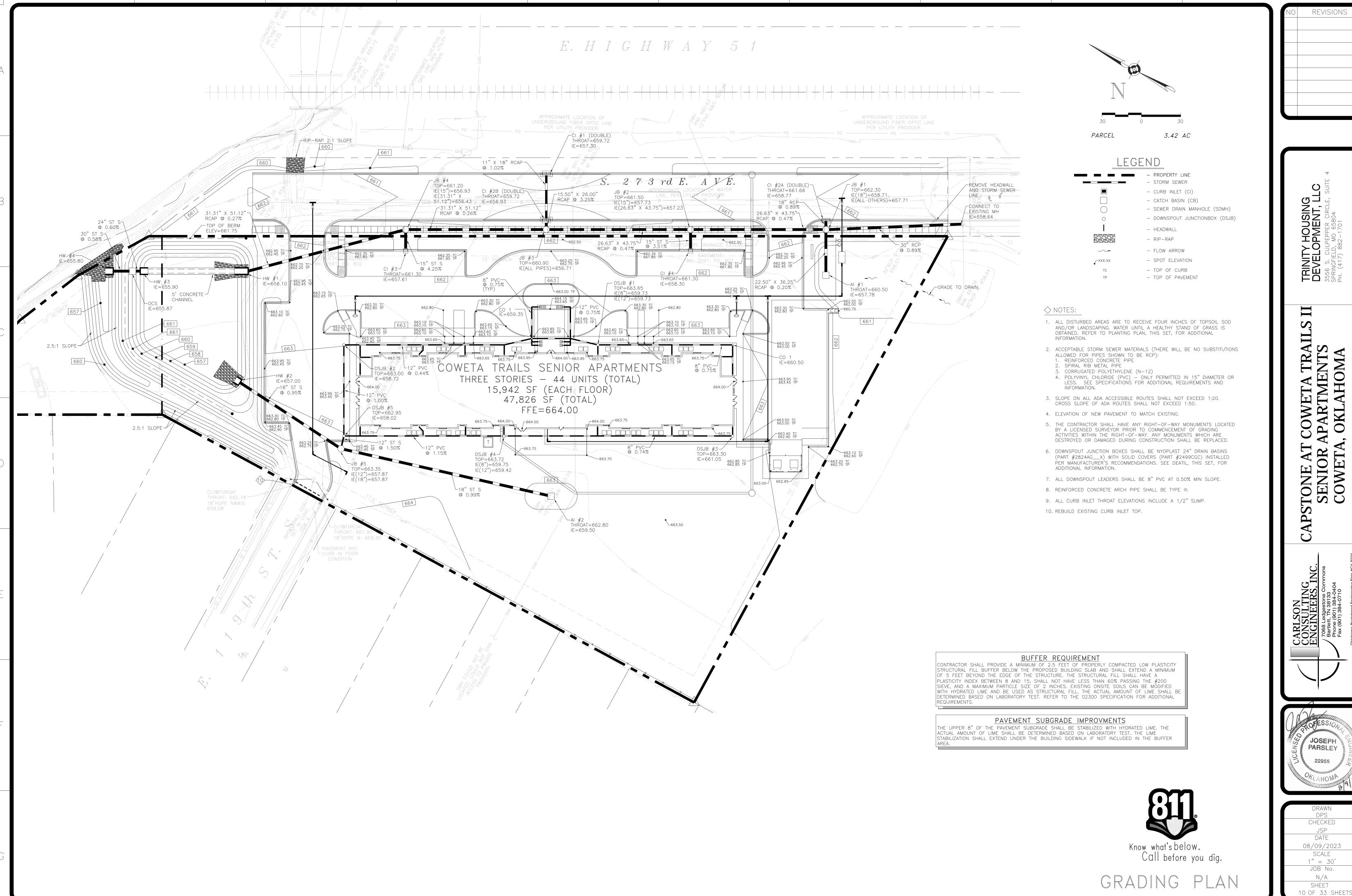
TRINITY HOUSING
DEVELOPMENT, LL(
3556 S. CULPEPPER CIRCLE, SL
SPRINGFIELD, MO 65804
PH. (417) 882-1701

TONE SENI COW



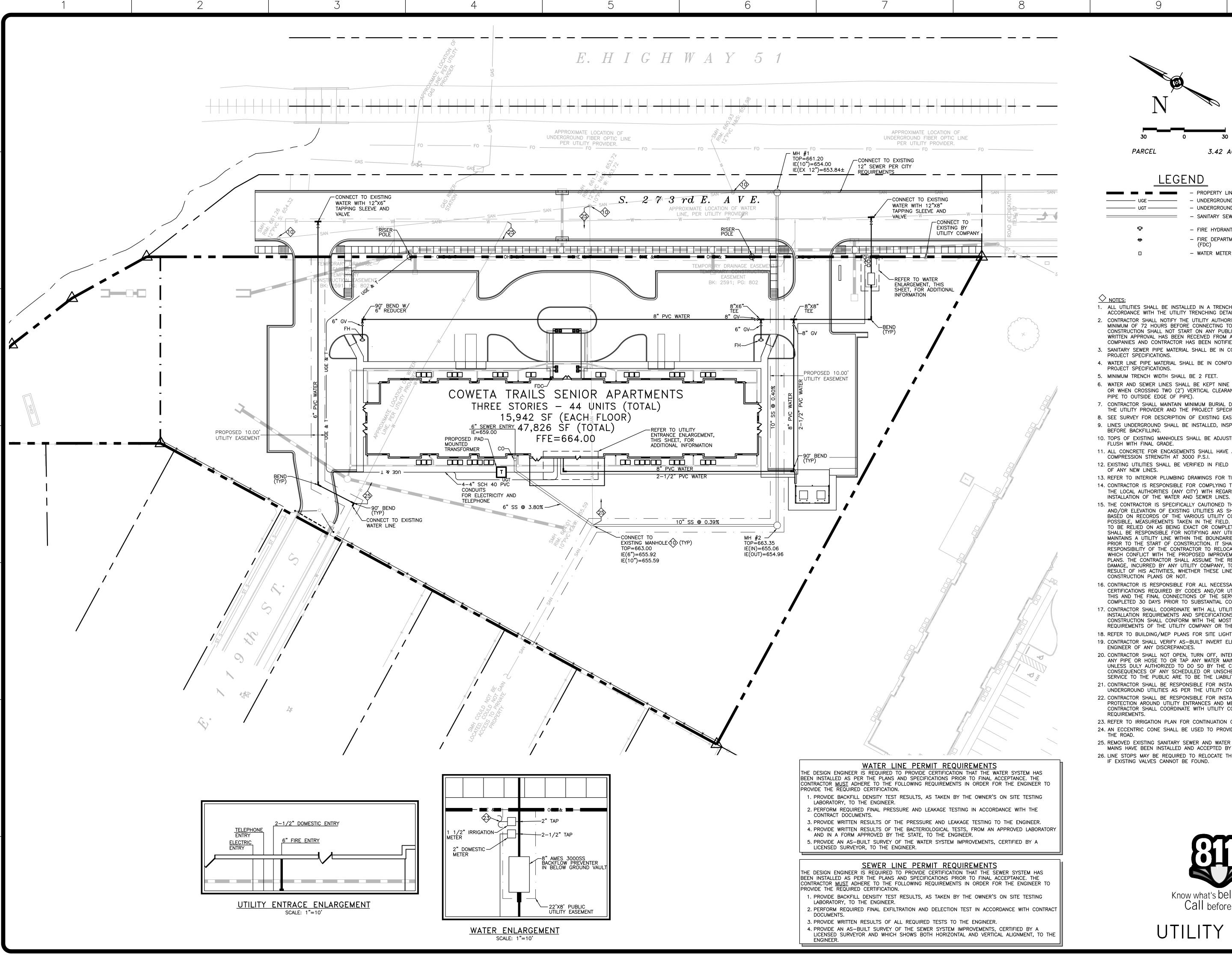


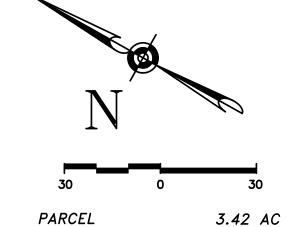
DRAWN DPS CHECKED DATE 08/09/2023 1" = 30'JOB No.





CHECKED 08/09/2023 SCALE 1" = 30' JOB No.





LEGEND

— – UNDERGROUND ELECTRIC UNDERGROUND TELEPHONE SANITARY SEWER FIRE HYDRANT - FIRE DEPARTMENT CONNECTION (FDC)

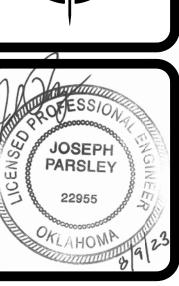
WATER METER

- 1. ALL UTILITIES SHALL BE INSTALLED IN A TRENCH CONDITION IN ACCORDANCE WITH THE UTILITY TRENCHING DETAIL, THIS SET.
- 2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS A MINIMUM OF 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM APPROPRIATE UTILITY COMPANIES AND CONTRACTOR HAS BEEN NOTIFIED.
- 3. SANITARY SEWER PIPE MATERIAL SHALL BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS.
- 4. WATER LINE PIPE MATERIAL SHALL BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS.
- 5. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- 6. WATER AND SEWER LINES SHALL BE KEPT NINE (9') APART (PARALLEL)
- OR WHEN CROSSING TWO (2') VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- 7. CONTRACTOR SHALL MAINTAIN MINIMUM BURIAL DEPTHS AS REQUIRED BY THE UTILITY PROVIDER AND THE PROJECT SPECIFICATIONS.
- 8. SEE SURVEY FOR DESCRIPTION OF EXISTING EASEMENTS.
- 9. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- 10. TOPS OF EXISTING MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINAL GRADE.
- 11. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I. 12. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION
- OF ANY NEW LINES. 13. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES. 14. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (ANY CITY) WITH REGARDS TO MATERIALS AND
- 15. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASÉD 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 SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE START OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR ANY DAMAGE, INCURRED BY ANY UTILITY COMPANY, TO THEIR LINES AS A RESULT OF HIS ACTIVITIES, WHETHER THESE LINES ARE SHOWN ON THE
- 16. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO SUBSTANTIAL COMPLETION.
- 17. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS. ALL UTILITY CONSTRUCTION SHALL CONFORM WITH THE MOST STRINGENT REQUIREMENTS OF THE UTILITY COMPANY OR THE SPECIFICATIONS.
- 18. REFER TO BUILDING/MEP PLANS FOR SITE LIGHTING ELECTRICAL PLAN. 19. CONTRACTOR SHALL VERIFY AS-BUILT INVERT ELEVATION AND ADVISE ENGINEER OF ANY DISCREPANCIES.
- 20. CONTRACTOR SHALL NOT OPEN, TURN OFF, INTERFERE WITH, OR ATTACH ANY PIPE OR HOSE TO OR TAP ANY WATER MAIN BELONGING TO THE CITY UNLESS DULY AUTHORIZED TO DO SO BY THE CITY. ANY ADVERSE CONSEQUENCES OF ANY SCHEDULED OR UNSCHEDULED DISRUPTIONS OF SERVICE TO THE PUBLIC ARE TO BE THE LIABILITY OF THE CONTRACTOR.
- 21. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING CONDUIT FOR UNDERGROUND UTILITIES AS PER THE UTILITY COMPANY REQUIREMENTS. 22. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING PIPE BOLLARD PROTECTION AROUND UTILITY ENTRANCES AND METER LOCATIONS.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR EXACT 23. REFER TO IRRIGATION PLAN FOR CONTINUATION OF LINE.
- 24. AN ECCENTRIC CONE SHALL BE USED TO PROVIDE MANHOLE ACCESS IN
- 25. REMOVED EXISTING SANITARY SEWER AND WATER LINE ONCE THE NEW
- MAINS HAVE BEEN INSTALLED AND ACCEPTED BY THE CITY. 26. LINE STOPS MAY BE REQUIRED TO RELOCATE THE EXISTING WATER MAIN IF EXISTING VALVES CANNOT BE FOUND.



Know what's below. Call before you dig.

UTILITY PLAN



DPS CHECKED 08/09/2023 1" = 30'JOB No. SHEET OF 33 SHEETS

NOTES

- 1. ALL DESIGN, CONSTRUCTION AND MATERIAL SHALL BE IN COMPLIANCE WITH THE CITY OF COWETA SPECIFICATIONS AND STANDARDS.
- ALL NEWLY CUT AND/OR FILL AREAS LACKING ADEQUATE VEGETATION SHALL BE SEEDED, AND/OR SODDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH THE PLANTING PLAN.
- 3. THE CONTRACTOR SHALL NOT ENTER UPON, WORK UPON NOR CAUSE DAMAGE TO ANY ADJACENT PROPERTIES WITHOUT PRIOR PERMISSION FROM SAID PROPERTY OWNERS.
- 4. ALL FILL AND/OR TRENCH BACKFILL SHALL BE COMPACTED AS PER THE SPECIFICATIONS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME THE RESPONSIBILITY FOR ANY DAMAGE INCURRED BY ANY UTILITY COMPANY TO THEIR UTILITY LINES, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING WORK ON THE PROJECT.
- THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE CITY OF COWETA AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.
- 7. MAINTAIN A MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION AT ALL WATER AND SEWER CROSSINGS.

SEWER LINE PERMIT REQUIREMENTS

THE DESIGN ENGINEER IS REQUIRED TO PROVIDE CERTIFICATION THAT THE SEWER SYSTEM HAS BEEN INSTALLED AS PER THE PLANS AND SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR MUST ADHERE TO THE FOLLOWING REQUIREMENTS IN ORDER FOR THE ENGINEER TO PROVIDE THE REQUIRED CERTIFICATION.

- PROVIDE BACKFILL DENSITY TEST RESULTS, AS TAKEN BY THE OWNER'S ON SITE TESTING LABORATORY, TO THE ENGINEER.
 PERFORM REQUIRED FINAL EXFILTRATION AND DELECTION TEST IN ACCORDANCE WITH CONTRACT
- PROVIDE WRITTEN RESULTS OF ALL REQUIRED TESTS TO THE ENGINEER.
 PROVIDE AN AS-BUILT SURVEY OF THE SEWER SYSTEM IMPROVEMENTS, CERTIFIED BY A LICENSED SURVEYOR AND WHICH SHOWS BOTH HORIZONTAL AND VERTICAL ALIGNMENT, TO THE ENGINEER.

CAUTION - NOTICE TO CONTRACTOR

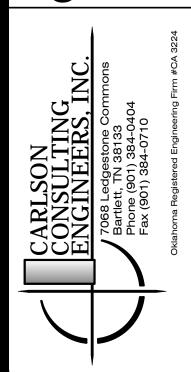
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE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

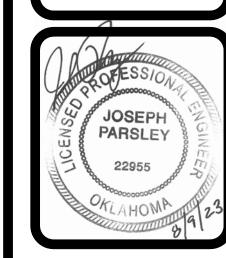


SANITARY SEWER PLAN AND PROFILE

TRINITY HOUSING
DEVELOPMENT, LLC
3556 S. CULPEPPER CIRCLE, SUITE 4
SPRINGFIELD, MO 65804
PH. (417) 882-1701

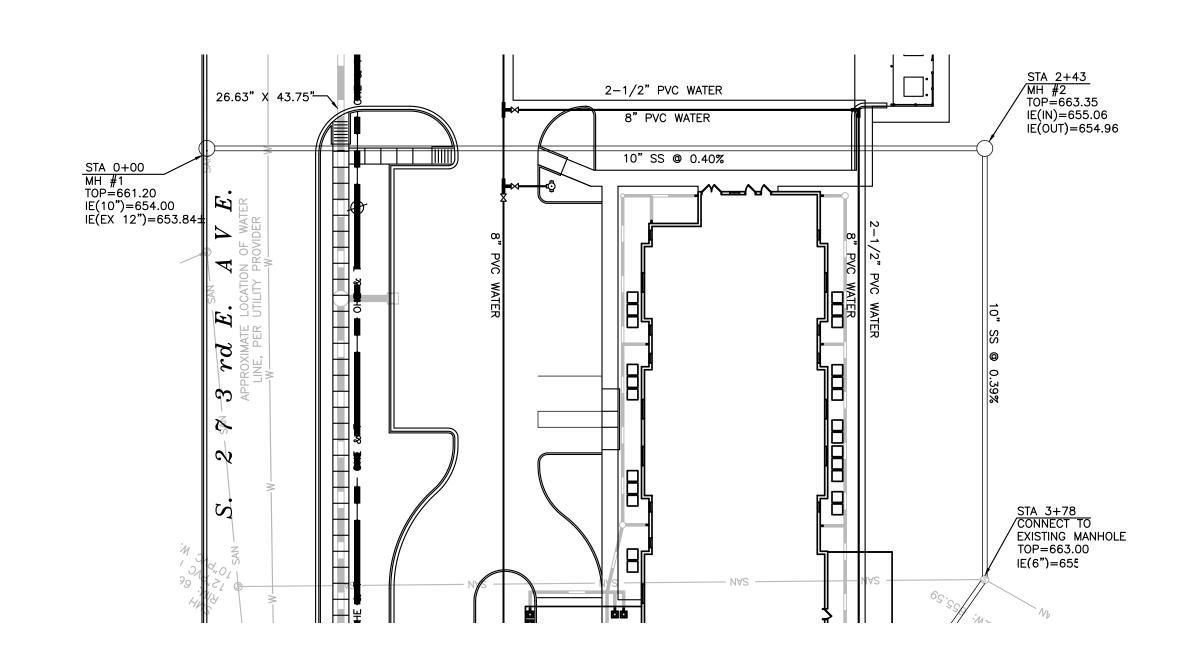
CAPSTONE AT COWETA TRAILS SENIOR APARTMENTS COWETA, OKLAHOMA

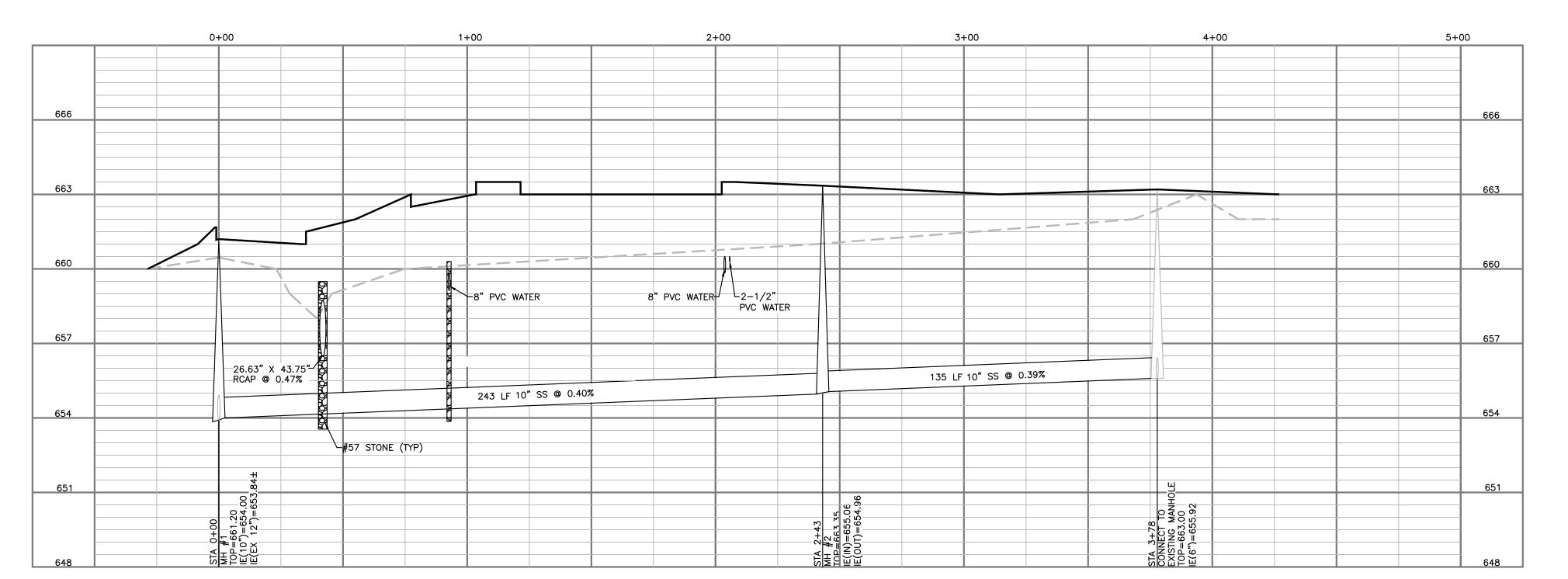




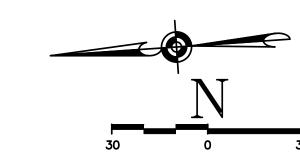
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SHEET 12 OF 33 SHEETS





HORIZ: 1" = 30' VERT: 1" = 3'

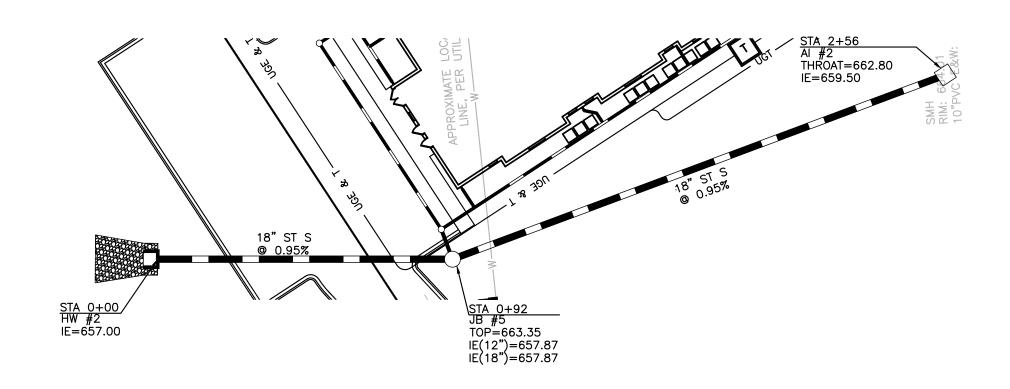


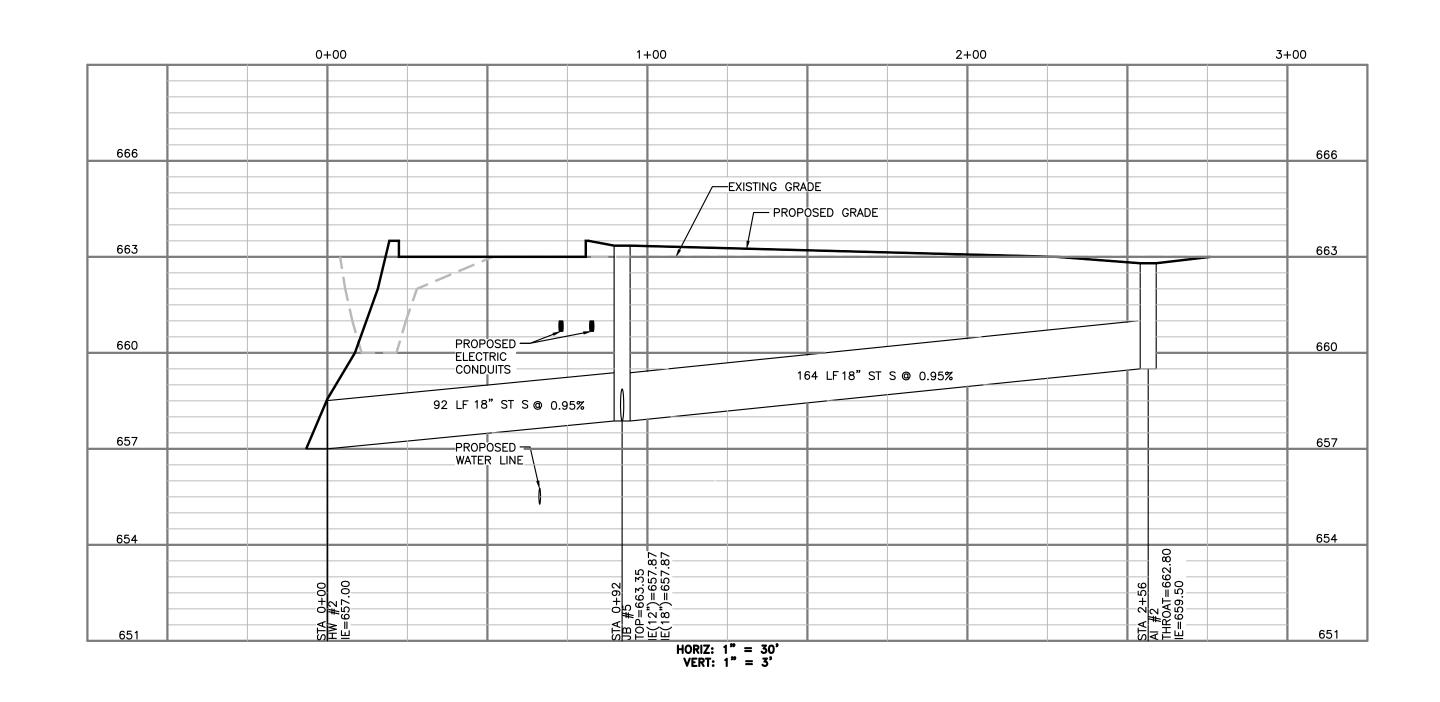
NOTES:

1. ALL DESIGN, CONSTRUCTION AND MATERIAL SHALL BE IN COMPLIANCE WITH THE CITY OF COWETA SPECIFICATIONS AND REQUIREMENTS.

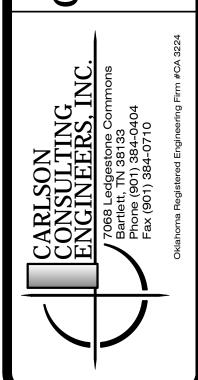
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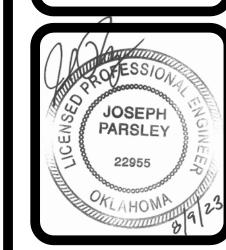
2. THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE CITY ENGINEER AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.





CAPSTONE A SENIO COWE

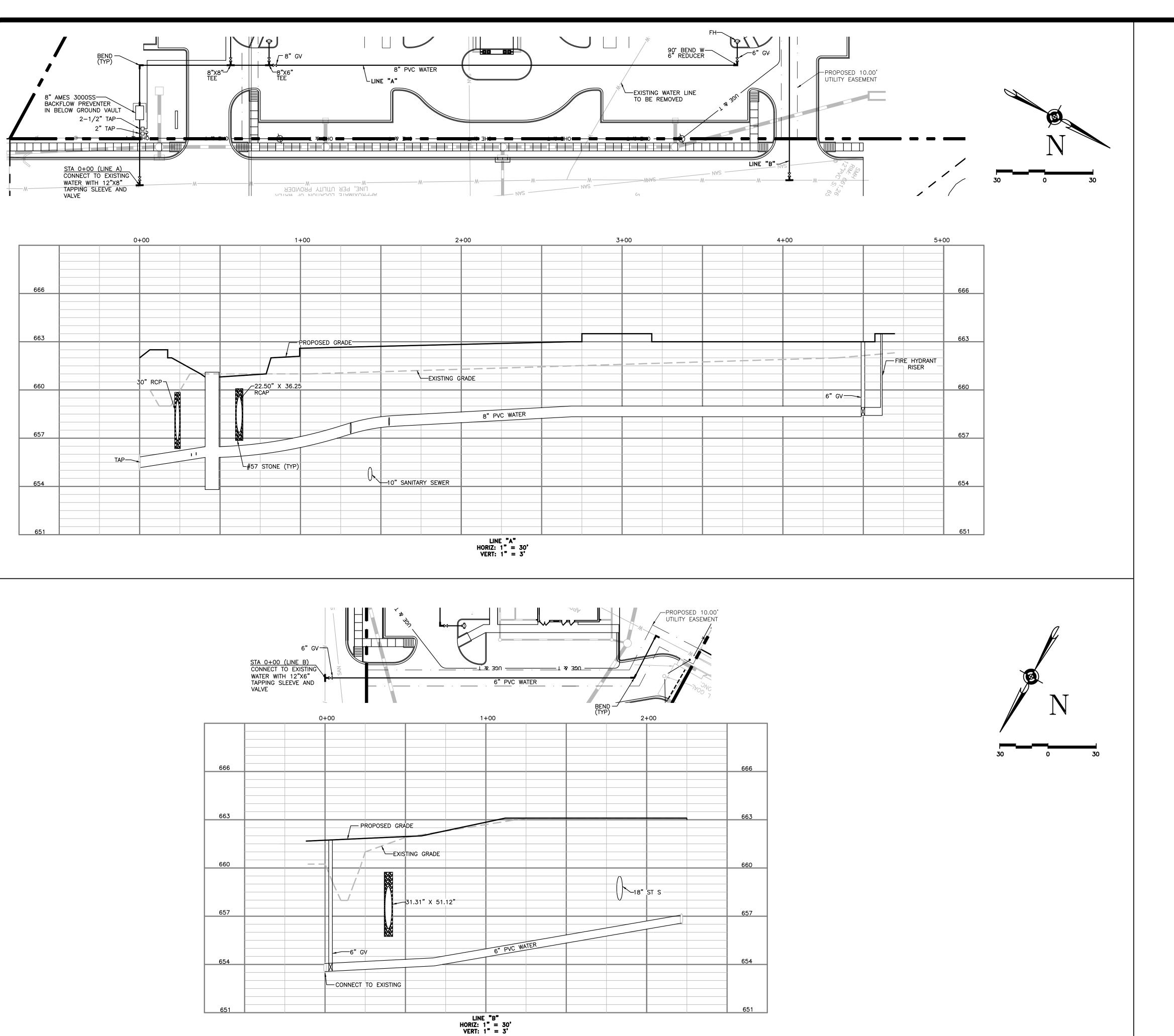




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Know what's below. Call before you dig.

CAUTION - NOTICE 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 UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES, APPURTENANCES AND IMPROVEMENTS WHICH CONFLICT WITH THE IMPROVEMENTS SHOWN BY THESE PLANS.



♦ NOTES:

1. ALL DESIGN, CONSTRUCTION AND MATERIAL SHALL BE IN COMPLIANCE WITH THE CITY OF COWETA SPECIFICATIONS AND REQUIREMENTS.

ALL FILL AND/OR TRENCH BACKFILL SHALL BE COMPACTED AS PER THE PROJECT SPECIFICATIONS.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF AND CONSTRUCTION ON THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME THE RESPONSIBILITY FOR ANY DAMAGE INCURRED BY ANY UTILITY COMPANY TO THEIR UTILITY LINES, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING WORK ON THE PROJECT.

4. THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE CITY ENGINEER AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.

WATER LINE PERMIT REQUIREMENTS

THE DESIGN ENGINEER IS REQUIRED TO PROVIDE CERTIFICATION THAT THE WATER SYSTEM HAS BEEN INSTALLED AS PER THE PLANS AND SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR MUST ADHERE TO THE FOLLOWING REQUIREMENTS IN ORDER FOR THE ENGINEER TO PROVIDE THE REQUIRED CERTIFICATION.

- 1. PROVIDE BACKFILL DENSITY TEST RESULTS, AS TAKEN BY THE OWNER'S ON SITE TESTING LABORATORY, TO THE ENGINEER.
- 2. PERFORM REQUIRED FINAL PRESSURE AND LEAKAGE TESTING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.3. PROVIDE WRITTEN RESULTS OF THE PRESSURE AND LEAKAGE TESTING TO THE ENGINEER.

LICENSED SURVEYOR, TO THE ENGINEER.

- 4. PROVIDE WRITTEN RESULTS OF THE BACTERIOLOGICAL TESTS, FROM AN APPROVED LABORATORY AND IN A FORM APPROVED BY THE STATE, TO THE ENGINEER.
- AND IN A FORM APPROVED BY THE STATE, TO THE ENGINEER.

 5. PROVIDE AN AS-BUILT SURVEY OF THE WATER SYSTEM IMPROVEMENTS, CERTIFIED BY A



Know what's below.
Call before you dig.

CAUTION - NOTICE TO CONTRACTOR

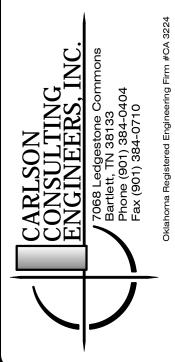
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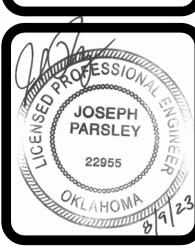
WATER PLAN AND PROFILE

D REVISIONS

TRINITY HOUSING
DEVELOPMENT, LLC
3556 S. CULPEPPER CIRCLE, SUITE 4
SPRINGFIELD, MO 65804
PH. (417) 882-1701

SENIOR APARTMENTS
COWETA, OKLAHOMA





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14 OF 33 SHEETS

TRINITY HOUSING DEVELOPMENT, L 3556 S. CULPEPPER CIRCLE, SPRINGFIELD, MO 65804 PH. (417) 882-1701

TMENTS AHOMA TR OKL CAPSTONE SENIC COWI

CARLSON CONSULTING ENGINEERS, INC.

JOSEPH PARSLEY

DRAWN DPS CHECKED DATE 08/09/2023 SCALE 1" = 30'JOB No. N/A SHEET 15 OF 33 SHEETS

PROPOSED ROADWAY -UNLESS NOTE OTHERWISE MINIMUM OF 8" OF MODIFIED SUBGRADE COMPACTED TO 95% STANDARD DENSITY \pm - 6" ODOT BARRIER CURB 2% OPTIMUM MOISTURE CONTENT. P.I. LESS 1 2" A.C. ASPHALT WEARING COURSE (TYPE "B") ② 4 1/2" ASPHALT BASE (TYPE "A") - MAXIMUM 3" LIFT

TYPICAL SECTION

SIDEWALK

& GUTTER

NOTES

1. FOR PREPARATION OF PAVEMENT SUBGRADE, FILL AND/OR EXISTING

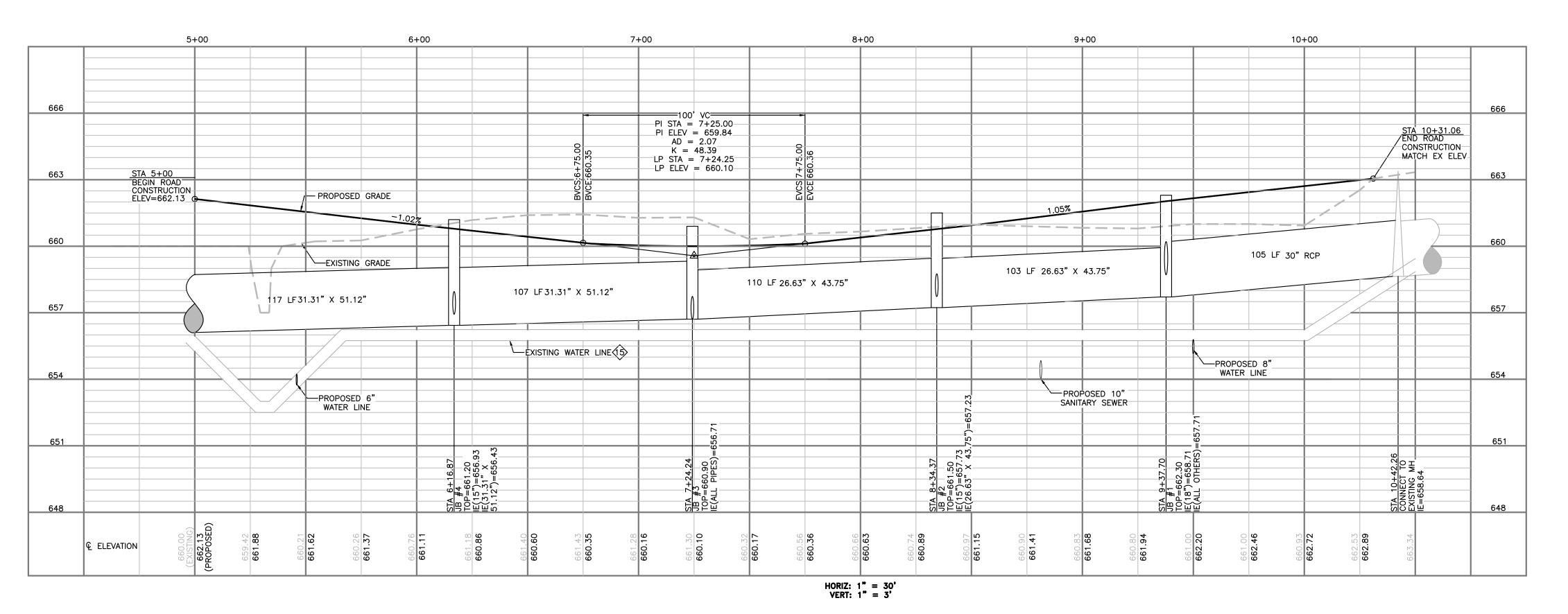
SITEWORK SPECIFICATIONS.

HIGHWAY CONSTRUCTION.

SUBGRADE SHALL BE IN ACCORDANCE WITH SECTION 02300 OF THE

2. ASPHALTIC SURFACE COURSE AND BINDER COURSE MIXTURES SHALL BE IN ACCORDANCE WITH ODOT 2019 STANDARD SPECIFICATIONS FOR

E. H I G H W A Y 5 1STA 10+31.11 END CURB AND GUTTER APPROXIMATE LOCATION OF APPROXIMATE LOCATION OF UNDERGROUND FIBER OPTIC LINE UNDERGROUND FIBER OPTIC LINE PER UTILITY PROVIDER. PER UTILITY PROVIDER. MATCH EX ELEV THROAT=659.72 STA 9+37.70 IE = 657.30/CI #2A (DOUBLE) THROAT=661.66 IE=658.77 18.00' RT 18.00' RT STA 10+31.06 END ROAD 11" X 18" RCAP- $S. \quad 2 \quad 7 \quad 3 \quad rd \quad E. \quad A \quad V \quad E.$ **@** 1.02% CONSTRUCTION 7+00 10+00 MATCH EX ELEV -15.50" X 26.00" RCAP @ 3.25% -30" RCP −31.31" X 51.12" ELEV=661.09 RIM: 663.38 **©** 0.89% RCAP @ 0.26% 30"RCP N: 658.64 STA 10+42.26 CONNECT TO @ 4.25% RCAP @ 0.47%_ EXISTING MH TOP=662.30 IE(18")=658.71STA 8+79.45 | 26.63" X 43.75" | END OF RADIUS RCAP @ 0.47% STA 7+24.24 JB #3 IE(ALL OTHERS)=657.71 STA 6+16.87 CI #3 STA 8+34.37 CI #4 TOP=661.20 TOP=660.90 ELEV=661.12 -22.50" X 36.25" RCAP @ 0.20% THROAT=661.30 IE(ALL PIPES)=656.71 THROAT=661.30 THROAT=659.7217.00' RT IE(31.31" X 51.12")=656.43 IE=657.61 IE=656.93 24.62'RT IE=658.30 RCAP @ 0.27% STA 8+34.37 JB #2 TOP=661.50 18.00' RT STA 5+14.12 END OF RADIUS ELEV=661.65 17.00' RT ELEV=661.70 17.00' RT IE(15")=657.73 IE(26.63" X 43.75")=657.23



- 1. ALL DESIGN, CONSTRUCTION AND MATERIAL SHALL BE IN COMPLIANCE WITH THE CITY OF COWETA SPECIFICATIONS AND REQUIREMENTS.
- 2. ALL NEWLY CUT AND/OR FILLED AREAS WITHIN THE ROW LACKING ADEQUATE VEGETATION SHALL BE
- FERTILIZED, SODDED AND WATERED AS REQUIRED TO EFFECTIVELY PREVENT SOIL EROSION. 3. THE CONTRACTOR SHALL NOT ENTER UPON, WORK UPON NOR CAUSE DAMAGE TO ANY ADJACENT
- PROPERTIES WITHOUT PRIOR PERMISSION FROM SAID PROPERTY OWNER(S).
- 4. ALL FILL AND/OR TRENCH BACKFILL SHALL BE COMPACTED AS PER THE PROJECT SPECIFICATIONS. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF AND CONSTRUCTION ON THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME THE RESPONSIBILITY FOR ANY DAMAGE INCURRED BY ANY UTILITY COMPANY TO THEIR UTILITY LINES, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING
- 6. THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE CITY ENGINEER AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.
- 7. THE CONTRACTOR SHALL HAVE ANY ROW MONUMENTS LOCATED BY A LICENSED SURVEYOR PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES IN THE ROW. ANY MONUMENTS WHICH ARE DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY SAME.
- 8. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- 9. THROAT ELEVATIONS SHOWN ON CURB INLETS INCLUDE 0.5" SUMP.
- 10. ALL DELTA ANGLES ARE 90° U.N.O.

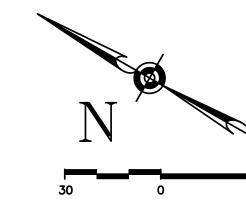
WORK ON THE PROJECT.

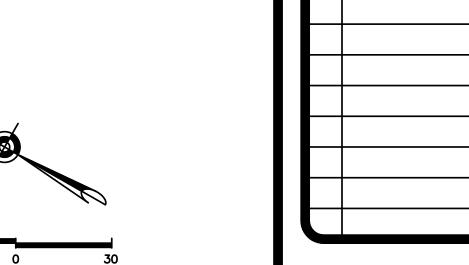
- 11. CONTRACTOR IS CAUTIONED THAT THERE ARE MULTIPLE UTILITIES THAT CURRENTLY OCCUPY THE AREA WHERE THE NEW ROAD IS PROPOSED. THE LOCATION OF THE UTILITIES HAS BEEN TAKEN FROM UTILITY MAPS AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS CAUTIONED THAT LOCATION COULD VARY FROM WHAT IS SHOWN. CONTRACTOR IS ALSO CAUTIONED THAT THE POSSIBILITY THAT OTHER UNKNOWN UTILITIES MIGHT ALSO BE PRESENT IN THIS AREA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ANY EXISTING UTILITIES THAT CONFLICT WITH THE IMPROVEMENTS SHOWN ON THIS PLAN. BY SUBMITTING A BID ON THIS PROJECT. CONTRACTOR ACKNOWLEDGES THESE LIMITATIONS AND CERTIFIES THAT ADEQUATE FUNDS HAVE BEEN INCLUDED IN THE BID TO ADDRESS THIS ISSUE.
- 12. CROSS SLOPES ON ALL ADA ACCESS ROUTES (SIDEWALK/CROSSWALK) SHALL NOT EXCEED 2%. LONGITUDAL SLOPE SHALL NOT EXCEED 5%.
- 13. ADJUST MANHOLE TOP TO MATCH FINAL GRADE. INSTALL ECCENTRIC TOP IF NEEDED TO PROVIDE MANHOLE LID OUTSIDE OF THE PROPOSED CURB LINE.
- 14. REMOVE HEADWALL AND STORM SEWER LINE BEYOND EXISTING MANHOLE.
- 15. ACTUAL ELEVATION OF THE EXISTING WATER LINE IS UNKNOWN. LINE IS SHOWN APPROXIMATELY 48" BELOW

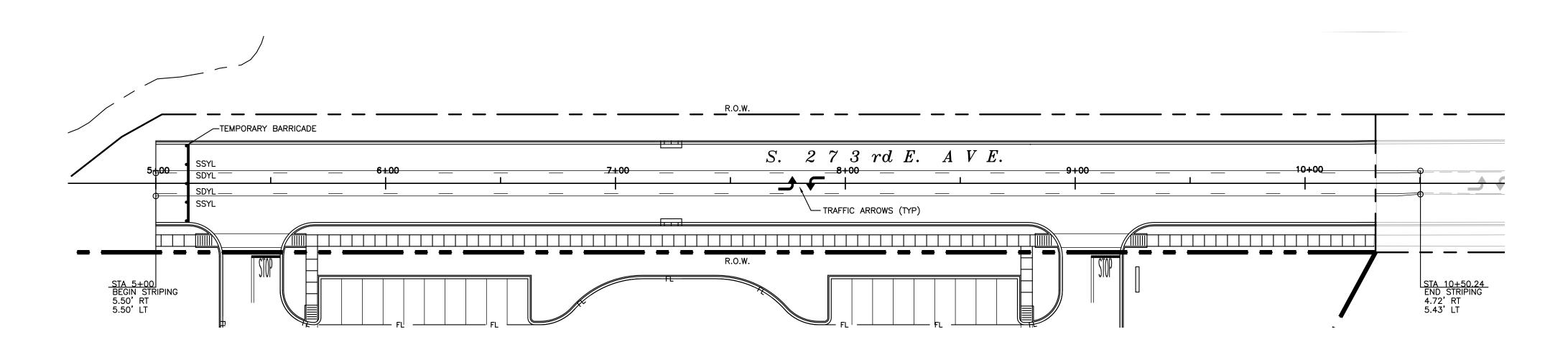
Know what's below.
Call before you dig.

CAUTION - NOTICE 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 UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES, APPURTENANCES AND IMPROVEMENTS WHICH CONFLICT WITH THE IMPROVEMENTS SHOWN BY THESE PLANS.





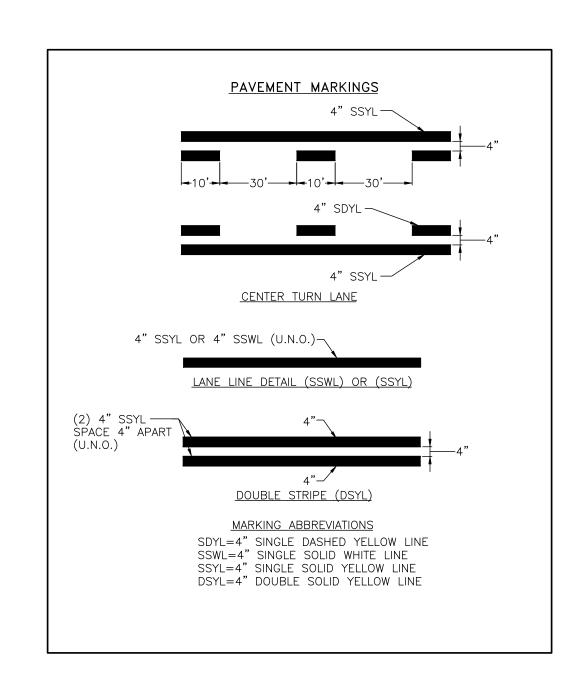


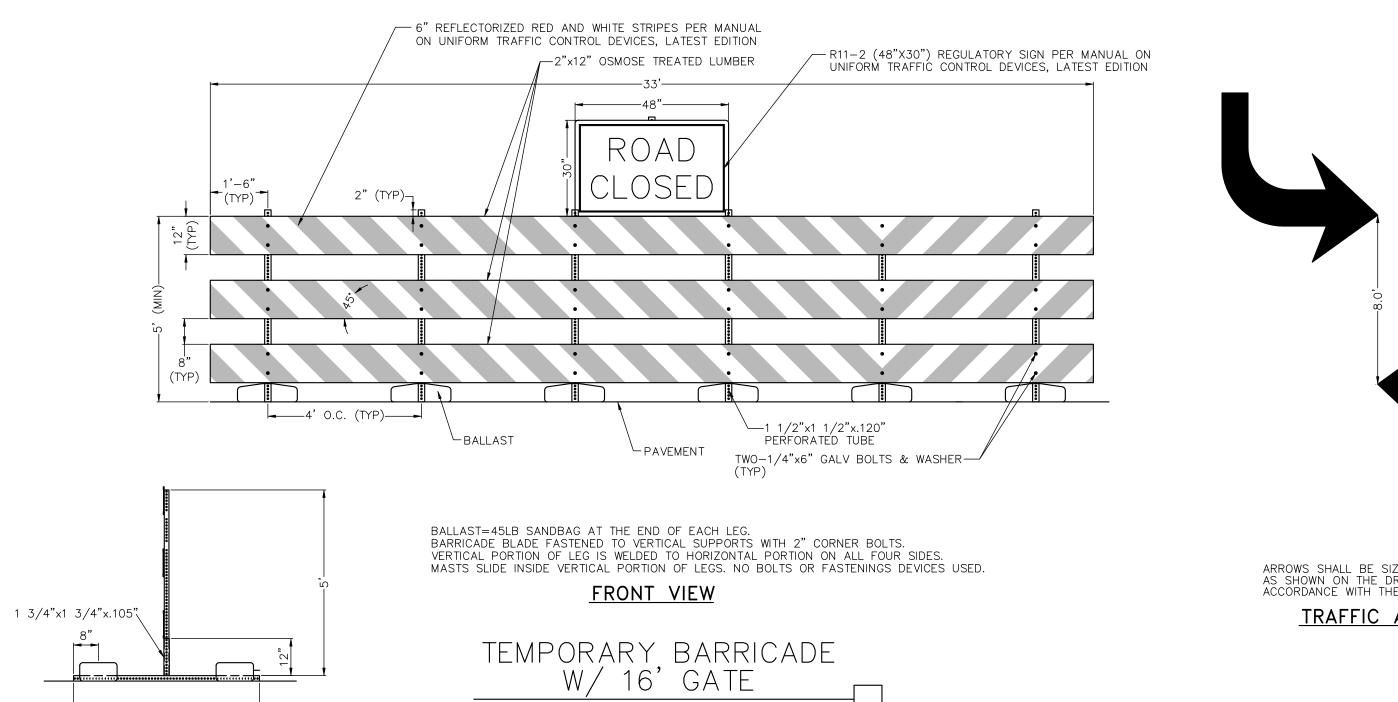
1 3/4"x1 3/4"x.105"

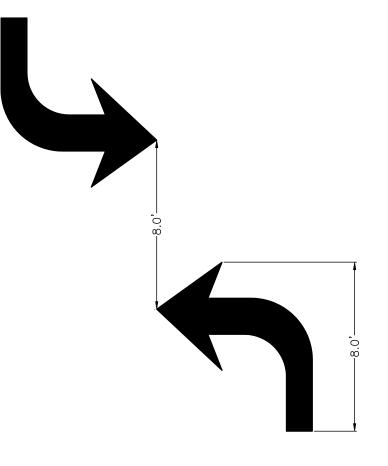
END VIEW (BARRICADE)

1. ALL DESIGN, CONSTRUCTION AND MATERIAL SHALL BE IN COMPLIANCE WITH THE CITY OF COWETA SPECIFICATIONS AND REQUIREMENTS

- 2. THE CONTRACTOR SHALL HAVE ANY R.O.W. MONUMENTS LOCATED BY A LICENSED SURVEYOR PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES IN THE ROW. ANY MONUMENTS WHICH ARE DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY SAME.
- 3. THE CONTRACTOR SHALL NOT ENTER UPON, WORK UPON NOR CAUSE DAMAGE TO ANY ADJACENT PROPERTIES WITHOUT PRIOR PERMISSION FROM SAID PROPERTY OWNER(S).
- 4. CONTRACTOR SHALL SCHEDULE CONSTRUCTION ACTIVITIES WHICH AFFECT NEIGHBORING PROPERTY OWNER'S ACCESS ONTO PUBLIC ROADWAYS WITH THE PROPERTY OWNER. ALL EFFORTS SHOULD BE MADE TO AVOID COMPLETELY BLOCKING ACCESS TO OR FROM A DRIVE AT ANY TIME.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME THE RESPONSIBILITY FOR ANY DAMAGE INCURRED BY ANY UTILITY COMPANY TO THEIR UTILITY LINES, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING WORK ON THE PROJECT.
- 6. THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE CITY ENGINEER AND THE PROJECT ENGINEER BEFORE ANY CHANGE IN DESIGN IS MADE.



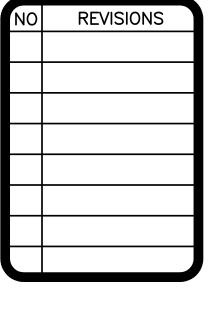




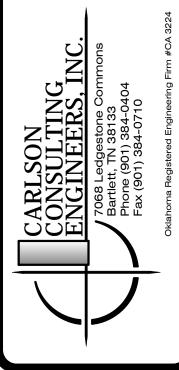
ARROWS SHALL BE SIZED AND LOCATED AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH THE MUTCD TRAFFIC ARROWS

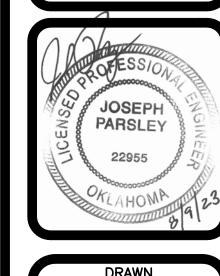


S. 273rd. E. AVE. STRIPING PLAN

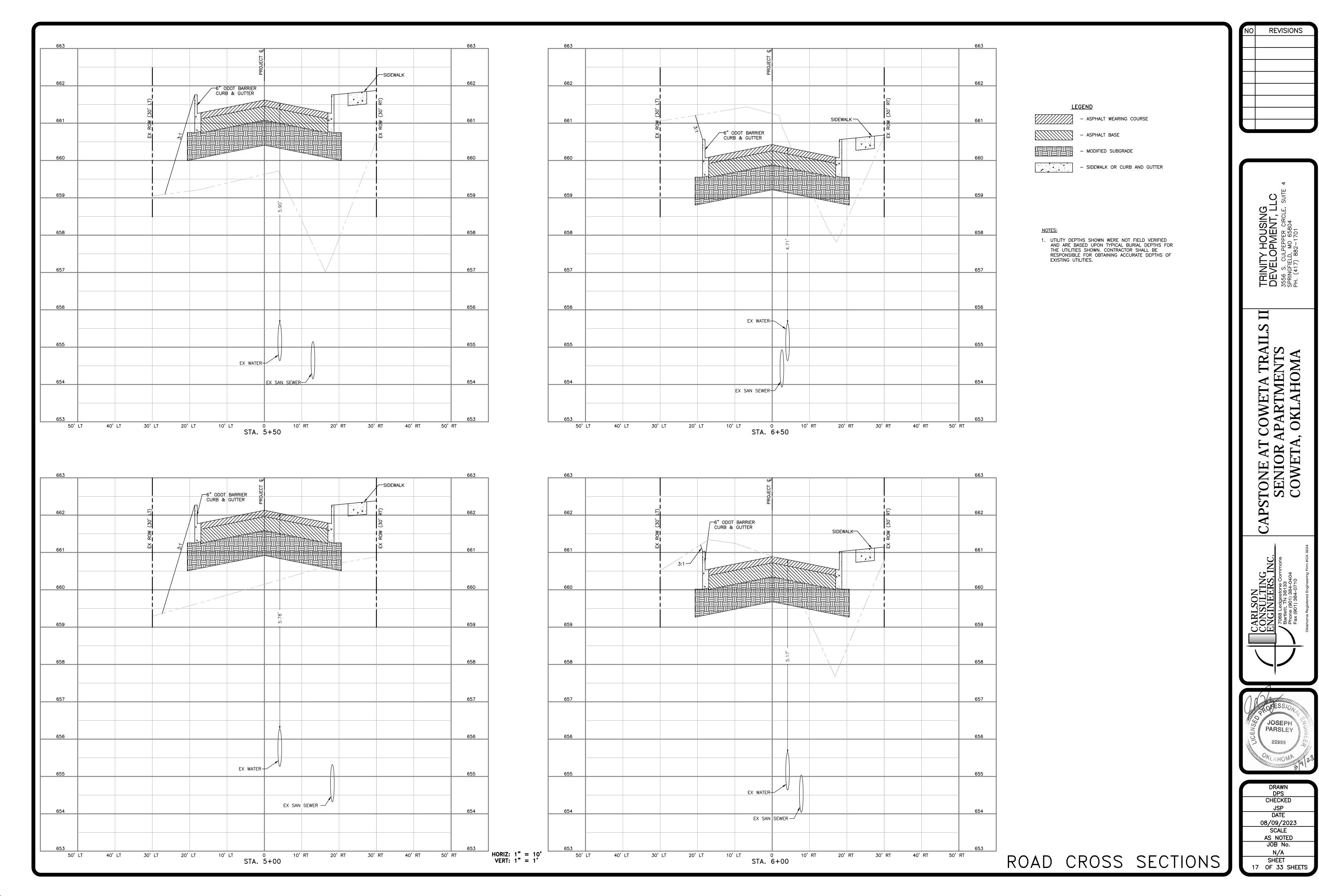


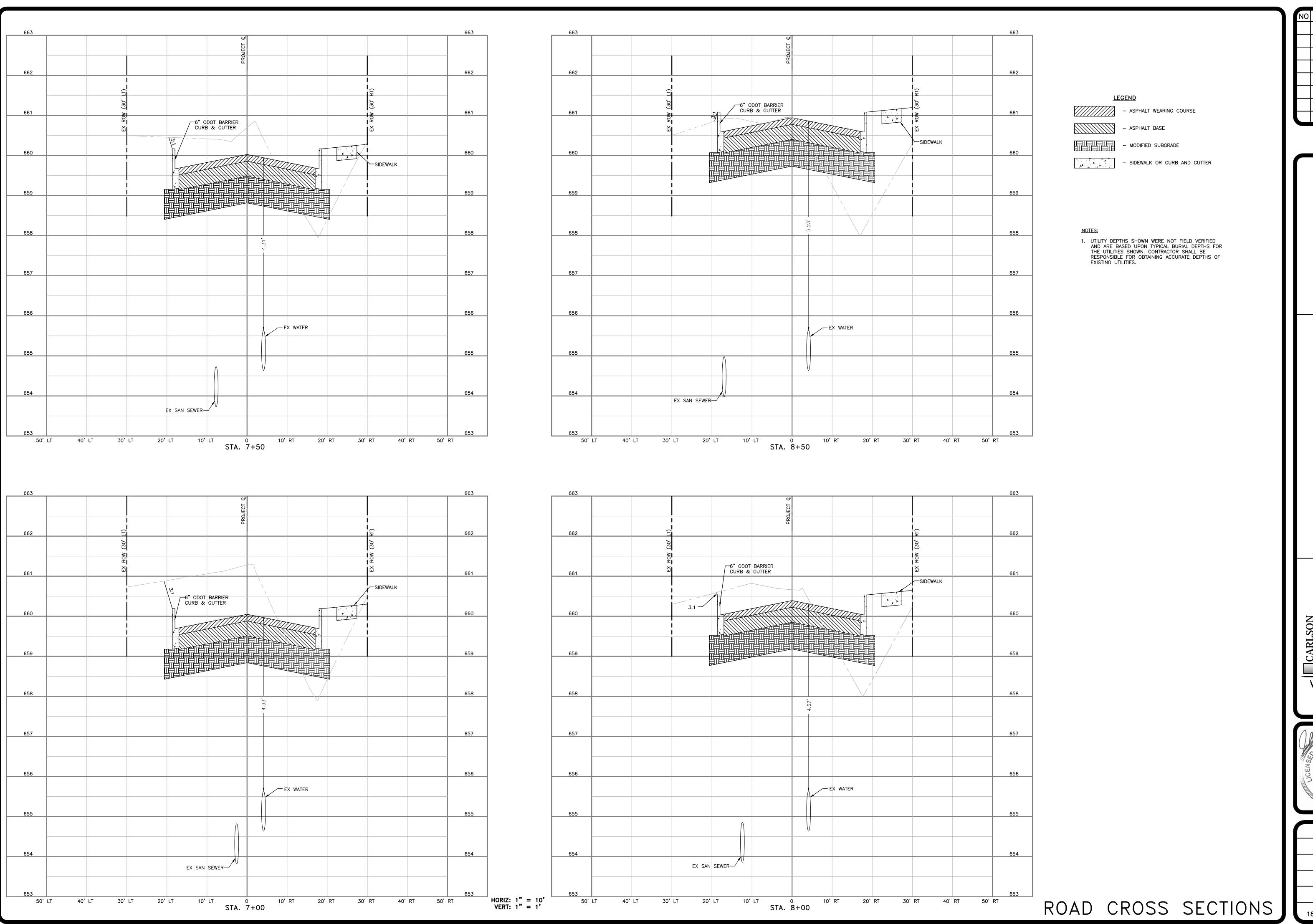
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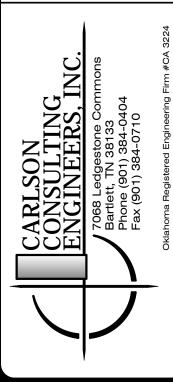


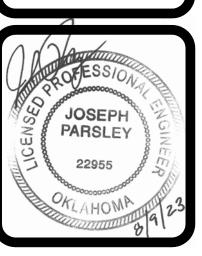


NO REVISIONS

TRINITY HOUSING
DEVELOPMENT, LLC
3556 S. CULPEPPER CIRCLE, SUITE 4
SPRINGFIELD, MO 65804

ONE AT COWETA TRAILS ENIOR APARTMENTS





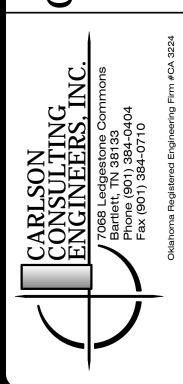
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18 OF 33 SHEETS

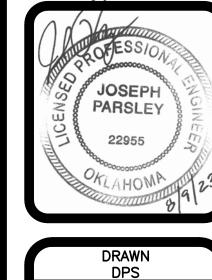
<u>LEGEND</u> - ASPHALT WEARING COURSE - ASPHALT BASE - MODIFIED SUBGRADE - SIDEWALK OR CURB AND GUTTER NOTES: UTILITY DEPTHS SHOWN WERE NOT FIELD VERIFIED AND ARE BASED UPON TYPICAL BURIAL DEPTHS FOR THE UTILITIES SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE DEPTHS OF EXISTING UTILITIES. 6" ODOT BARRIER— CURB & GUTTER -SIDEWALK SIDEWALK— 662 662 662 6" ODOT BARRIER GUTTER 661 661 661 660 660 659 659 659 658 658 658 657 657 656 EX WATER EX WATER 654 EX SAN SEWER -EX SAN SEWER-40' RT 50' RT STA. 9+50 50'LT STA. 9+00 20' RT 50'LT 40'LT 20' RT 30'RT HORIZ: 1" = 10' VERT: 1" = 1'

NO REVISIONS

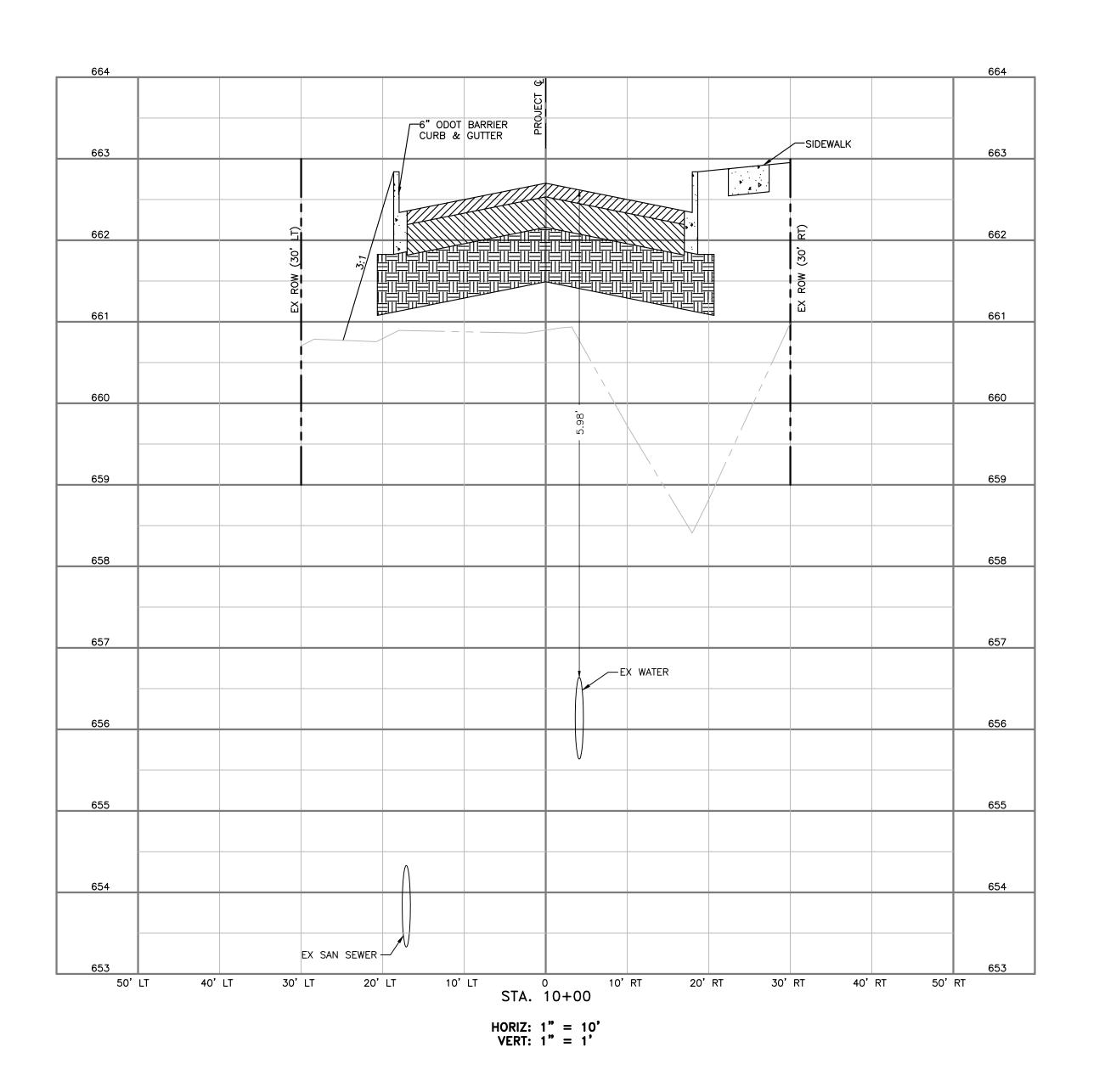
FRINITY HOUSING
DEVELOPMENT, LLC
556 S. CULPEPPER CIRCLE, SUITE 4
PRINGFIELD, MO 65804

SENIOR APARTMENTS COWETA, OKLAHOMA





ROAD CROSS SECTIONS



<u>LEGEND</u>

- ASPHALT WEARING COURSE

- ASPHALT BASE

- MODIFIED SUBGRADE

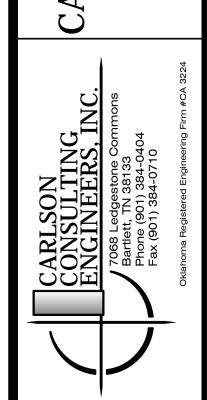
- SIDEWALK OR CURB AND GUTTER

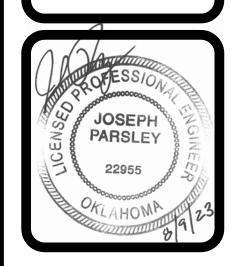
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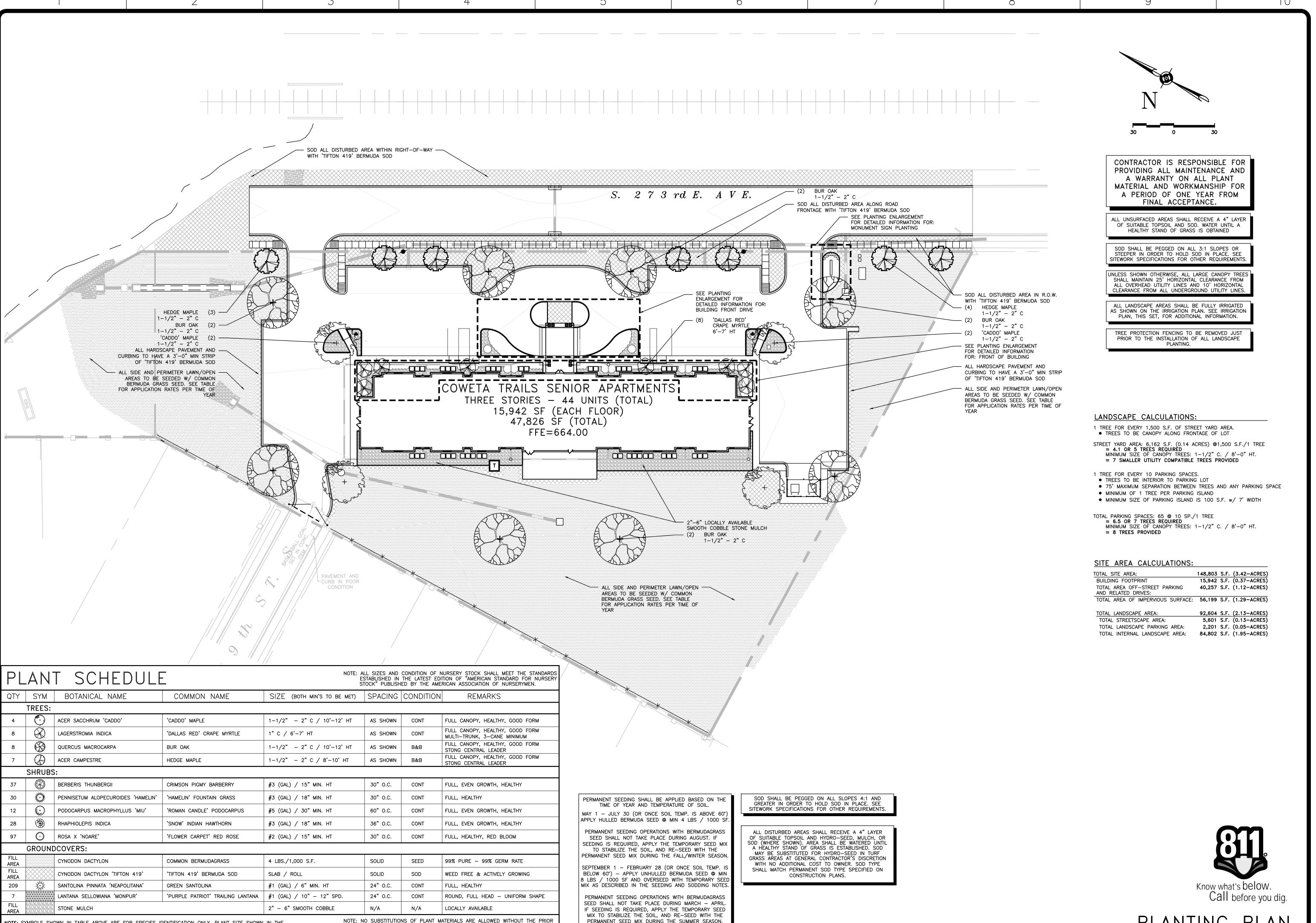
UTILITY DEPTHS SHOWN WERE NOT FIELD VERIFIED AND ARE BASED UPON TYPICAL BURIAL DEPTHS FOR THE UTILITIES SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE DEPTHS OF EXISTING UTILITIES.

REVISIONS

T COWETA TRAILS A APARTMENTS A, OKLAHOMA







NOTE: SYMBOLS SHOWN IN TABLE ABOVE ARE FOR SPECIES IDENTIFICATION ONLY. PLANT SIZE SHOWN IN THE

SIZE OF SYMBOL SHOWN IN TABLE ABOVE MAY VARY FROM THOSE SHOWN ON PLANS.

TABLE IS NOT INTENDED TO BE REPRESENTATIVE OF THE PLANT AT EITHER INSTALLATION OR MATURITY.

APPROVAL OF THE LANDSCAPE ARCHITECT.

REVISIONS

HOUSING
PMENT, I
PEPPER CIRCLE
MO 65804
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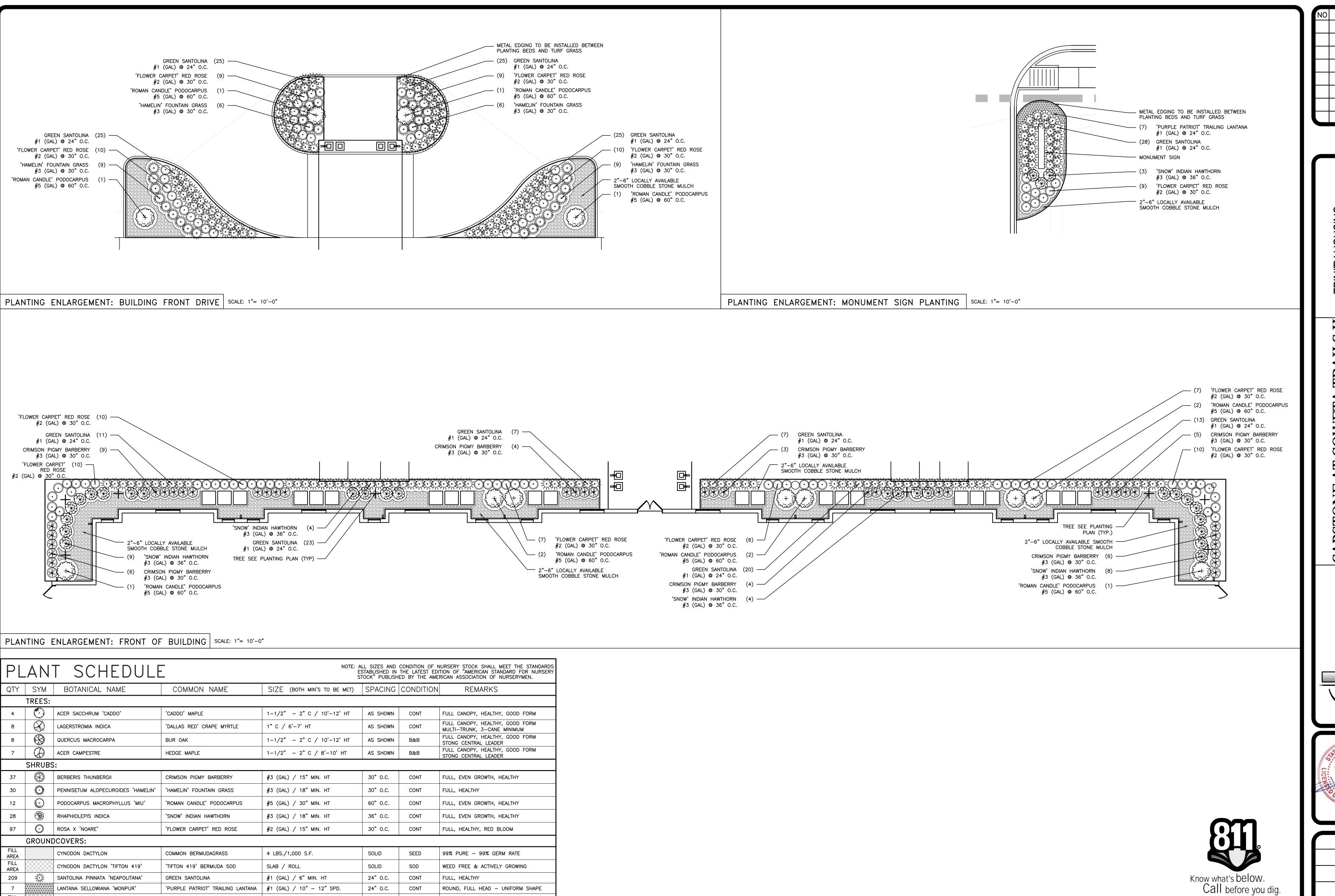


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21 OF 33 SHEETS

PLANTING PLAN



STONE MULCH

NOTE: SYMBOLS SHOWN IN TABLE ABOVE ARE FOR SPECIES IDENTIFICATION ONLY. PLANT SIZE SHOWN IN THE

SIZE OF SYMBOL SHOWN IN TABLE ABOVE MAY VARY FROM THOSE SHOWN ON PLANS.

TABLE IS NOT INTENDED TO BE REPRESENTATIVE OF THE PLANT AT EITHER INSTALLATION OR MATURITY.

2" - 6" SMOOTH COBBLE

LOCALLY AVAILABLE

NOTE: NO SUBSTITUTIONS OF PLANT MATERIALS ARE ALLOWED WITHOUT THE PRIOR

N/A

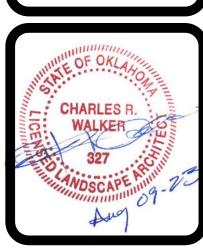
APPROVAL OF THE LANDSCAPE ARCHITECT.

NO REVISIONS

TRINITY HOUSING
DEVELOPMENT, LLC
3556 S. CULPEPPER CIRCLE, SUITE 4
SPRINGFIELD MO 65804

STONE AT COWETA TRAILS SENIOR APARTMENTS COWETA, OKLAHOMA





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04/07/2023
SCALE
1" = 10'
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22 OF 33 SHEETS

PLANTING ENLARGEMENTS

PLANTING NOTES PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND 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 TO OWNER'S SATISFACTION, AT NO ADDITIONAL COST. NO PLANTING SHALL BE INSTALLED IN CONFLICT WITH UTILITIES. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON THE BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES ON THE PROJECT SITE AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD. 3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS PRIOR TO PROCEEDING. IF UNFORESEEN CIRCUMSTANCES ARE ENCOUNTERED, THE CONTRACTOR IS TO STOP WORK AND CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY. . SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS. . STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT 6. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE. 7. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE B. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS 9. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.

AND AFTER INSTALLATION.

PLANTING BED PREP DETAIL (THIS PAGE).

AT RATE RECOMMENDED BY MANUFACTURER.

THROUGHOUT THE CONSTRUCTION PERIOD.

SUBSTANTIAL COMPLETION.

WARRANTY PERIOD FOR TREES.

<u>TEMPORARY SEEDING</u>

SERVICE'S RECOMMENDATIONS.

EXTENSION SERVICE'S RECOMMENDATIONS

CAUSE SOIL OR HYDRO-SEED TO WASH AWAY.

<u>PERMANENT SEEDING</u>

UNLESS NOTED OTHERWISE.

• 5% ORGANIC MATERIAL

• PH OF 5.5 - 7.4

OF APPLICATION)

OF APPLICATION)

MINIMUM LAYER OF FOUR INCHES (4") IN DEPTH AFTER SETTLING.

SEED. WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

PLANTING NOTES

- SEED: MIXTURE 70% RYEGRASS/30% WINTER WHEAT 4 LBS / 1,000 SQ FT.

- AREAS TO RECEIVE SEED SHALL BE FERTILIZED WITH A COMPLETE FERTILIZER PER EXTENSION

- SEED MIX B: COMMON BERMUDA (REFER TO BOX NOTE BELOW FOR SEED TYPE FOR TIME

AREAS TO RECEIVE HYDRO-SEED SHALL BE FERTILIZED WITH A COMPLETE FERTILIZER PER

- SEED MIX B: COMMON BERMUDA (REFER TO BOX NOTE BELOW FOR SEED TYPE AT TIME

- ALL DISTURBED AREAS NOT RECEIVING SOD SHALL BE HYDRO—SEEDED WITH SEED MIX

PREPARATION OF ALL AREAS TO BE HYDRO-SEEDED SHALL CONSIST OF THOROUGHLY

LOOSENING OR SCARIFYING THE SOIL TO A DEPTH OF TWO (2) TO FOUR (4) INCHES

USING A TRACTOR DISC OR OTHER APPROVED METHOD. AREAS TO BE HYDRO-SEEDED

SHALL BE CLEARED OF ANY WEEDS, STICKS, OR OTHER DEBRIS. HYDRO-SEEDING MAY

• FREE OF WEEDS, LITTER, STIFF CLAY, OR STONES GREATER THAN 1" IN DIAMETER

BE DONE IMMEDIATELY THEREAFTER PROVIDED THE BED HAS REMAINED IN GOOD FRIABLE

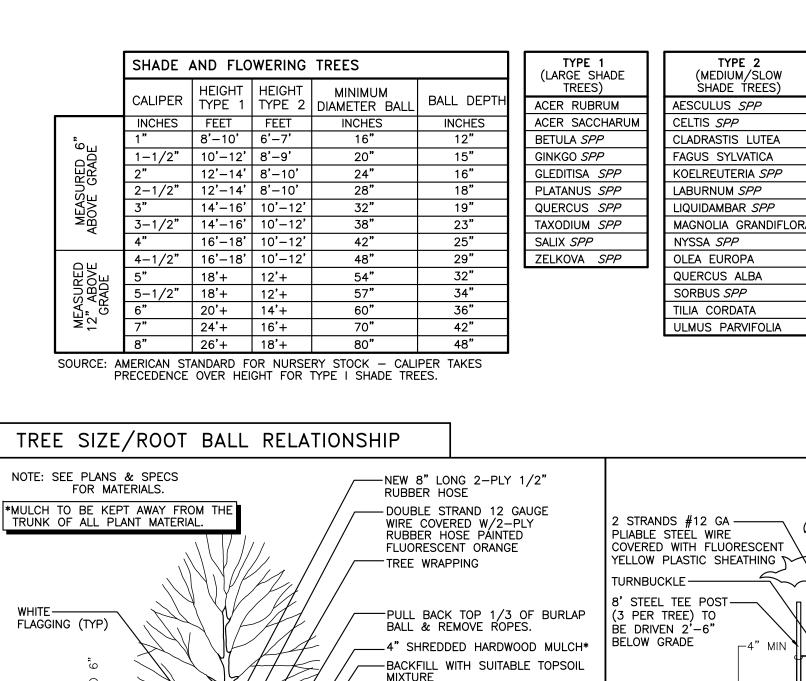
CONDITION AND HAS NOT BECOME WET. WATER ALL HYDRO-SEEDED SOIL IMMEDIATELY AFTER

HYDRO-SEEDING USING SPRAY NOZZLES OR ANOTHER ACCEPTABLE METHOD WHICH DOES NOT

• IT SHALL ALL BE A RICH EASILY FRIABLE BROWN OR BLACK LOAMY TO SANDY LOAM SOIL

ANY AREAS WHERE THE HYDRO-SEED MAY WASH OR BLOW AWAY OR DOES NOT GERMINATE SHALL

BE RE-GRADED AND RE-SEEDED UNTIL AREA HAS A FULL AND HEALTHY STAND OF TURFGRASS.



-CREATE A 4" SAUCER WITH

SUITABLE TOPSOIL MIXTURE

-8' STEEL TEE POST (3 PER

UNDISTURBED RAISED BASE TO SUPPORT ROOT BALL

PLAN VIEW:

AND ASSIST IN DRAINAGE

-FINISHED GRADE

FXISTING SOIL

MUI CH* -

SECTION VIEW: ROOTBALL-

NTS GUY WIRES —

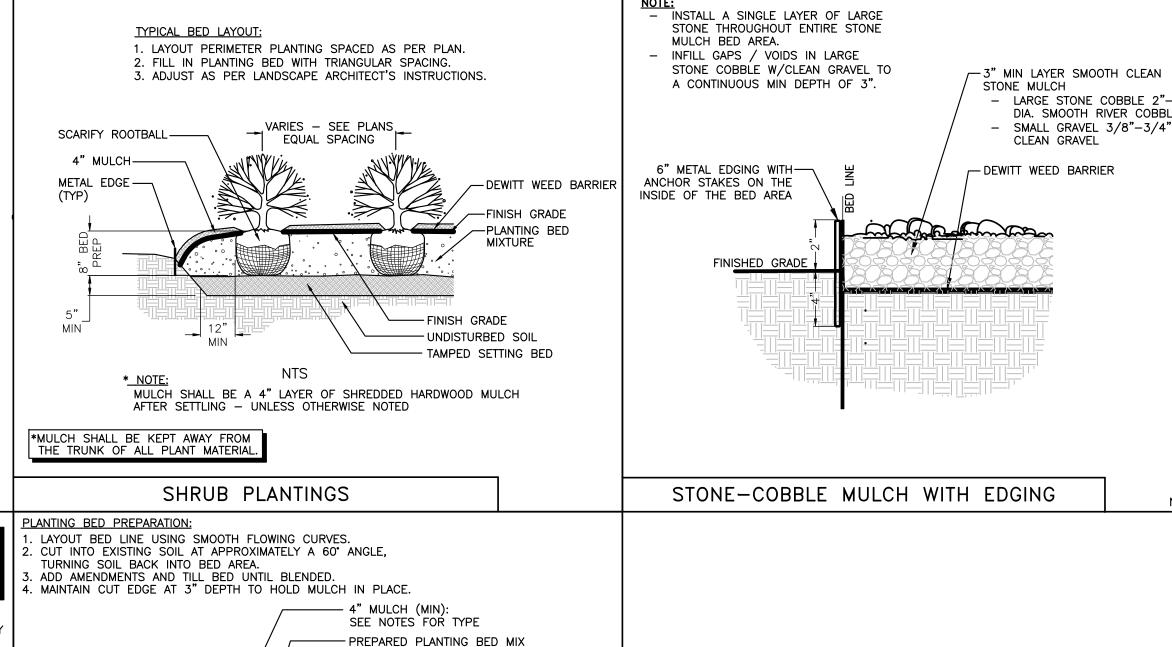
X DIA OF

TREE PLANTING

_ROOT_BALL

SAUCER-

TREE) TO BE DRIVEN 3' BELOW



—TAMPED SETTING BED

- DEWITT WEED BARRIER

PLANTING BED MIX:

ONSITE SOIL

40% SAND

20% EXISTING APPROVED

15% ORGANIC MATTER

4. 25% SUITABLE TOPSOIL

FERTILIZE AS RECOMMENDED

ORNAMENTAL PLANTINGS.

USE ONLY IN ABSENCE OF

LANDSCAPE PLANTING MIX

LOCALLY AVAILABLE

BY EXTENSION SERVICE FOR

— UNDISTURBED SOIL

UNDISTURBED SUBSOIL

UNSUITABLE SUBSOIL AMENDMENT

• INSTALL EROSION CONTROL BLANKET AS SPECIFIED

SOD ON SLOPE

ADDED SUITABLE TOPSOIL

UNSUITABLE SUBSOIL DISKED

TREE PIT PREPARATION

OF 12" BELOW SUBGRADE

2. REPLACE 50% OF EXISTING

3. BLEND THOROUGHLY

1. EXCAVATE 20' R PIT AROUND EACH

SUBSOIL WITH SUITABLE TOPSOIL

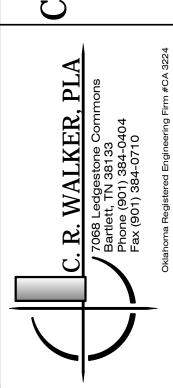
ANY SLOPE GREATER THAN 4:1

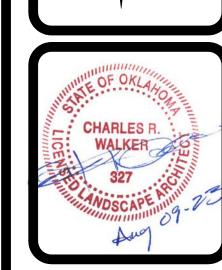
SHALL HAVE SOD PEGGED IN PLACE

MAJOR TREE LOCATION TO A DEPTH

REVISIONS

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10. ALL LANDSCAPED AREAS SHALL BE SPRAYED WITH HERBICIDE 4 WEEKS PRIOR TO INSTALLATION OF LANDSCAPING. THE EXISTING MATERIAL SHALL BE REMOVED BEFORE ANY INSTALLATION OF 11. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, 12. ALL NEW TREES SHALL HAVE 'MYCOR TREE SAVER' OR EQUAL MYCORIZAL FUNGAL TREATMENT INSTALLED AT RATE RECOMMENDED BY MANUFACTURER AT THE TIME OF INSTALLATION. 13. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS. 14. ALL SHRUB BED AREAS SHALL RECEIVE A MIN OF 8" OF PLANTING BED MIX AS DESCRIBED IN 15. GRADE PLANTING BEDS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. ALL BED AREAS SHALL BE BERMED TO PROMOTE GOOD BED DRAINAGE (AFTER GENTLE TOPSOIL 16. ALL CONSTRUCTION AREAS ON THE PROJECT SITE TO RECEIVE TURFGRASS SHALL RECIEVE A 4" MIN DEPTH OF SUITABLE TOPSOIL MIX PER DETAILS AND SPECIFICATIONS. 17. PRIOR TO PLANTING OR SEEDING, MULTIPLE REPRESENTATIVE SAMPLES OF THE TOPSOIL SOURCE SHALL BE TAKEN AND SENT TO A QUALIFIED TESTING AGENCY FOR ANALYSIS. FERTILIZE SUITABLE TOPSOIL IN TURFGRASS AREAS AS PER TESTING AGENCY'S RECOMMENDATIONS FOR TURFGRASS SPECIES SPECIFIED ON PLANS. THE PLANTING BED MIX TO BE USED IN SHRUB PLANTING BEDS IS TO BE FERTILIZED AS PER TESTING AGENCY'S RECOMMENDATIONS FOR ORNAMENTAL 18. ALL PLANTING BEDS SHALL HAVE 'SURFLAN' OR EQUAL PRE-EMMERGENT HERBICIDE BROADCAST ALL TREE STAKING 19. PLANTING OPERATIONS SHOULD ONLY TAKE PLACE DURING SUITABLE WEATHER CONDITIONS. MATERIAL TO BE PLANTS ARE NOT TO BE INSTALLED WHEN THE SOIL IS EITHER HIGHLY SATURATED OR FROZEN. REMOVED AFTER FIRST FULL 20. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL GROWING SEASO 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 21. DURING THE GROWING SEASON ALL ANNUALS SHALL REMAIN IN A HEALTHY, VIABLE CONDITION PARKING LOT ISLAND PREPARATION 22. ALL PLANTING AREAS, SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS, ARE TO BE COMPLETELY COVERED WITH SHREDDED HARDWOOD MULCH AND SHALL MAINTAIN A 23. THERE IS NO SEPARATE PAY ITEM FOR DRESSING OUT SHRUB BEDS OR TREE SAUCERS WITH SHREDDED HARDWOOD MULCH, IT SHALL BE INCLUDED WITH THE COST OF ALL PLANT 24. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. ALL PLANT MATERIALS QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT 25. ALL UNSURFACED AREAS, EXCEPT FOR THE UNSURFACED PARCEL ADJACENT TO THE PROJECT PARCEL, SHALL RECEIVE A 4" LAYER OF SUITABLE TOPSOIL AND SOD. THE UNSURFACED PARCEL ADJACENT TO THE PROJECT PARCEL SHALL RECEIVE A 2" LAYER OF SUITABLE TOPSOIL AND 26. 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 APPROVED BY THE LANDSCAPE ARCHITECT AND THE WORK IS ACCEPTED IN TOTAL 27. ALL PLANT MATERIALS SHALL BE UNCONDITIONALLY GUARANTEED IN ACCORDANCE WITH THE FOLLOWING SPECIAL WARRANTY GUIDELINES AGAINST ALL DEFECTS INCLUDING DEATH AND WARRANTY PERIOD FOR TREES AND SHRUBS: ONE YEAR FROM DATE OF SUBSTANTIAL WARRANTY PERIOD FOR GROUND COVER AND PLANTS: SIX MONTHS FROM DATE OF 28. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL GUY WIRES AT THE END OF THE 1 YEAR 29. REFER TO PROJECT SITEWORK SPECIFICATIONS FOR ALL INFORMATION NEEDED FOR IMPLEMENTATION OF PLANTING PLANS.

REMOVE ALL THE COMPACTED STONE AND SEE PLANS & SPECS FOR MATERIALS. FILL DIRT OUT OF THE CENTER OF THE ISLANDS DOWN TO A DEPTH OF 24 WIDTH OF ISLAND BERM HEIGHT BELOW THE TOP OF THE CONCRETE CURB. 2. ADD PLANTING BED MIX AND FIRMLY TAMP TO CREATE A SETTING BED (6" MIN) UNDER 5. ADD 24" OF SUITABLE PLANTING BED MIX 1-1/2" / 1'-0" WIDT ON TOP OF THE WASHED GRAVEL. LIGHTLY TAMP THE PLANTING BED MIX IN 8" LIFTS. 6. ADD ANOTHER LAYER OF PLANTING BED MIX IN ADDITION TO THE 24" LAYER TO ACHIEVE THE REQUIRED BERMING EFFECT. MAKE SURE TO ADD THE NECESSARY AMOUNT OF PLANTING BED MIX TO -SEE PLAN FOR PLANTING BED MIX: TREE VARIETY 20% OF EXISTING SOIL 2. 15% PEAT MOSS, HUMUS, OR ACHIEVE THE CORRECT BERMING HEIGHT. -6' STEEL TEE POST SOIL CONDITIONER — 4" LAYER OF SHREDDED 3. 40% SAND HARDWOOD MULCH* 4. 25% TOPSOIL USE THE BERMING CHART FLUSH W/ BACK OF CURB ABOVE TO CALCULATE BERM 6" TAMPED SETTING BED TO PREVENT SETTLEMENT HEIGHTS FOR EACH ISLAND. FINISHED GRADE ALL TREE STAKING MATERIAL IS TO BE REMOVED AFTER THE RST FULL GROWING SEASON -CURB & GUTTER *MULCH TO BE KEPT AWAY FROM THE -BASE MATERIAL: SEE TRUNK OF ALL PLANT MATERIAL. ENGINEERING PLANS FOR SPECIFICATIONS WIDTH OF ISLAND \pm -COMPACTED SUB-GRADE MAY VARY TYPICAL ISLAND NTS

SOD SHALL BE PEGGED ON ALL SLOPES 4:1 AND GREATER IN ORDER TO HOLD SOD IN PLACE. SEE - AREAS TO RECEIVE HYDRO-SEED SHALL BE FERTILIZED WITH A COMPLETE FERTILIZER SITEWORK SPECIFICATIONS FOR OTHER REQUIREMENTS AS PER EXTENSION SERVICE'S RECOMMENDATIONS FOR SPECIFIED TURFGRASS SPECIES. - CONTRACTOR SHALL SEQUENCE HYDRO-SEEDING TO PROVIDE A HEALTHY STAND OF GRASS AT THE TIME OF THE OWNER'S POSSESSION.

PLAN VIEW:

ROOTBALL —

MULCH* -

SAUCER -

GUY WIRES

 ALL SODDED AREAS SHALL BE 'TIFTON 419' HYBRID BERMUDA. ALL CURBED ISLANDS SHALL BE SODDED UNLESS NOTED OTHERWISE. - SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE. - SLOPES GREATER THAN 3:1 SHALL BE REINFORCED AND PEGGED. - ALL AREAS TO BE SODDED SHALL RECEIVE A MINIMUM 4" LAYER OF SUITABLE TOPSOIL THAT MEETS THE CONDITIONS LISTED ABOVE AND THAT HAS BEEN TILLED, FINE GRADED, AND HAS HAD ALL STONES, ROOTS, DEBRIS, ETC REMOVED.

HEALTHY MOIST GREEN SOD SHALL BE LAID. ANY SOD WHICH IS BROWN AND UNDER STRESS IS UNACCEPTABLE. ANY SOD WHICH IS NOT LAID WITHIN 24 HOURS OF DELIVERY SHALL BE UNACCEPTABLE. - SOD SHALL BE A MINIMUM OF 3/4" THICK, FREE OF WEEDS AND PESTS, AND CUT NO MORE THAN 24 HOURS PRIOR TO PLANTING. - SOD PANELS SHALL BE LAID TIGHTLY TOGETHER AND END JOINTS STAGGERED SO AS TO MAKE A SOLID SODDED AREA.

- SOD SHALL BE LAID AS SOON AS IT IS DELIVERED TO PLANTING AREAS. ONLY

- ANY JOINTS OR SEAMS THAT MAY EXIST AFTER LAYING SOD SHALL BE FILLED WITH SAND SO AS TO CREATE A SMOOTH AND UNIFORM GROWING SURFACE. - SOD SHALL BE ROLLED AND WATERED AT THE TIME OF INSTALLATION TO ENSURE GOOD SOD-SOIL CONTACT AND TO PROVIDE A SMOOTH, UNIFORM WALKING SURFACE.

A HEALTHY STAND OF GRASS IS ESTABLISHED. SOD MAY BE SUBSTITUTED FOR HYDRO-SEED IN TURF GRASS AREAS AT GENERAL CONTRACTOR'S DISCRETION WITH NO ADDITIONAL COST TO OWNER. SOD TYPE SHALL MATCH PERMANENT SOD TYPE SPECIFIED ON CONSTRUCTION PLANS. PERMANENT SEEDING SHALL BE APPLIED BASED ON TH TIME OF YEAR AND TEMPERATURE OF SOIL. MAY 1 - JULY 30 (OR ONCE SOIL TEMP. IS ABOVE 60' APPLY HULLED BERMUDA SEED @ MIN 4 LBS / 1000 SI PERMANENT SEEDING OPERATIONS WITH BERMUDAGRASS SEED SHALL NOT TAKE PLACE DURING AUGUST. IF SEEDING IS REQUIRED, APPLY THE TEMPORARY SEED MIX TO STABILIZE THE SOIL, AND RE-SEED WITH THE PERMANENT SEED MIX DURING THE FALL/WINTER SEASON. SEPTEMBER 1 — FEBRUARY 28 (OR ONCE SOIL TEMP. I BELOW 60°) - APPLY UNHULLED BERMUDA SEED @ MIN 8 LBS / 1000 SF AND OVERSEED WITH TEMPORARY SEED MIX AS DESCRIBED IN THE SEEDING AND SODDING NOTES. PERMANENT SEEDING OPERATIONS WITH BERMUDAGRASS SEED SHALL NOT TAKE PLACE DURING MARCH - APRIL.

ALL DISTURBED AREAS SHALL RECEIVE A 4" LAYER OF SUITABLE TOPSOIL AND HYDRO-SEED, MULCH, OR

SOD (WHERE SHOWN). AREA SHALL BE WATERED ÚNTIL

(SMALL UPRIGHT

ACER CAMPESTRI

CERCIS

PRUNUS SPP

PYRUS *SPP*

STYRAX SPP

. WITH MULTI-TRUNK PLANTS ATTACH GUYS TO VARIOUS LIMBS.

RECEIVE LANDSCAPE ARCH'S APPROVAL.

SELECT PRUNE 1/3 BRANCHING HABIT CONFORM TO HORT. PRACTICES AS

EST BY AMERICAN ASSOC OF NURSERYMEN-AMERICAN STD FOR NURSERY

TREES OF SAME SPECIES SHALL BE MATCHED IN GROWTH AND UNIFORMITY.

STOCK, LATEST EDITION. (TYP FOR ALL TREE AND SHRUB PLANT MAT'L).

MULTI-TRUNKED TREE PLANTING

3x DIA OF

AMELANCHIER SPP

CARPINUS SPP

CRATAEGUS SPP

OXYDENDRUM *SPP*

MAGNOLIA VIRGINIANA

SYRINGA RETICULATA

SPP

(SMALL SPREADING

ACER PALMATUM

ACER GRISEUM

CORNUS SPP

VITEX SPP

ALL MINIMUM SIZES SHALL BE MET

CALIPER, HEIGHT, AND ROOT BALL

LAGERSTROMIA SPP

MAGNOLIA STELLATA

MAGNOLIA SOULANGIANA

ALL TREE STAKING

MATERIAL SHALL E

REMOVED AFTER

FIRST FULL

GROWING SEASON

-NEW 8" LONG 2-PLY

1/2" RUBBER HOSE

WHITE FLAGGING (TYP

-CREATE A 4" SAUCER

WITH SUITARIF

3" LAYER OF

STONE MULCH

BURLAP

'FRANKLIN RED'

FINISHED GRADE

PEEL BACK TOP '

TOP OF ROOTBALL

FINISH GRADE

ROOT BALL AND

SHALL BE 2" ABOVE

UNDISTURBED RAISED

ASSIST IN DRAINAGE

* STONE MULCH

SHALL BE KEPT

OF ALL PLANT

MATERIAL.

METAL EDGING-

FINISHED GRADE

*MULCH SHALL BE KEPT AWAY FROM

THE TRUNK OF ALL PLANT MATERIAL

URF AREA PREPARATION

UNSUITABLE SUBSOIL

ADD 4" OF SUITABLE

. BLEND THOROUGHLY -

TO BE DISKED

TOPSOIL MIX

. TOP 6" OF EXPOSED $\,\,\,\,\,\,\,\,\,\,\,\,\,\,\,$

PLANTING BED PREP w/ EDGING

(ALL AREAS TO RECEIVE SOD ON PROJECT SITE)

TOPSOIL MIXTURE

BY THE MANUFACTURER. (WITHOUT USE OF BLANKET) • FILL SPACES IN BLANKET AND COVER WITH UP TO 1/2" OF SAND TO REMOVE ALL AIR SPACES. • INSTALL SOD OVER SAND AND REINFORCING BLANKET AND PEG THROUGH BLANKET TO SECURE. REINFORCED SOD PERPÉNDICULAR TO SLOPE LAYER OF COMPOSTED MANURE BLENDED -INTO TOP 4" OF SUBSURFACE MATERIAL INSTALL EROSION CONTROL BLANKET PER— MANUFACTURERS RECOMMENDATIONS ONLY ON ON SLOPE GREATER THAN-**SPECIFIED** 6" LENGTH SOD STAPLES REQUIRED STAPLE PATTERN GUIDE 13.3' (4.06 M) WIDE ROLLS ••••• • • • • • • • • -UNDISTURBED SOIL - REINFORCING BLANKET ANCHORED

SLOPES 3:1 OR GREATER AND PEG TO SLOPE AS SPECIFIED BY THE EROSION CONTROL BLANKET MFG. 4:1, REINFORCED SOD AND REINFORCING NETTING SHALL BE PEGGED TO SLOPE AS

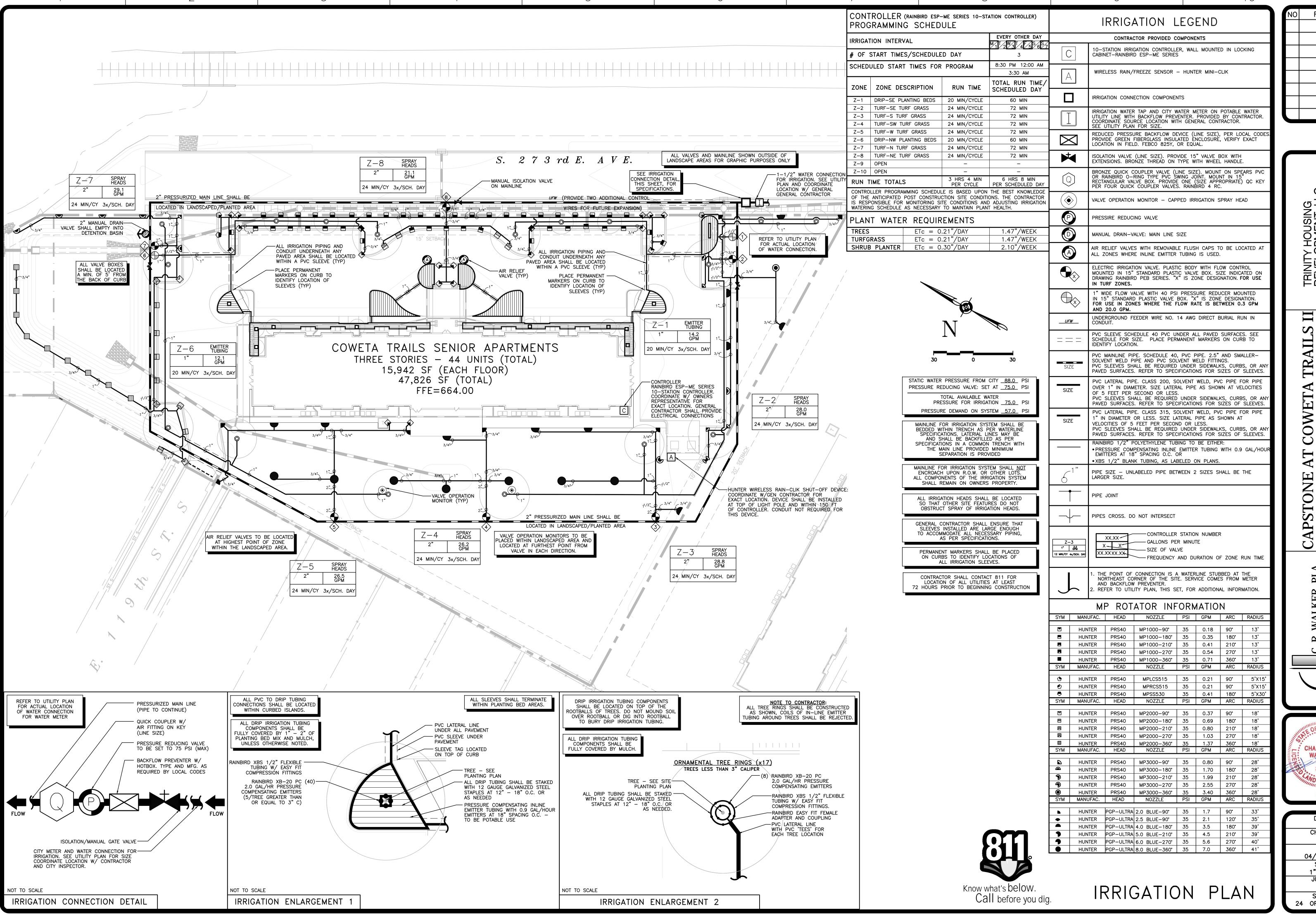
IF SEEDING IS REQUIRED, APPLY THE TEMPORARY SEED MIX TO STABILIZE THE SOIL, AND RE-SEED WITH THE PERMANENT SEED MIX DURING THE SUMMER SEASON.

SEEDING & SODDING NOTES

SUITABLE TOPSOIL SHALL MEET THE FOLLOWING REQUIREMENTS:

• HEAVY CLAYS AND FINE SILTY SOILS ARE NOT ACCEPTABLE

PLANTING DETAILS

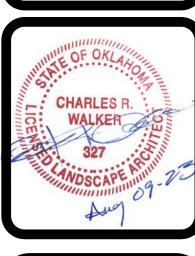


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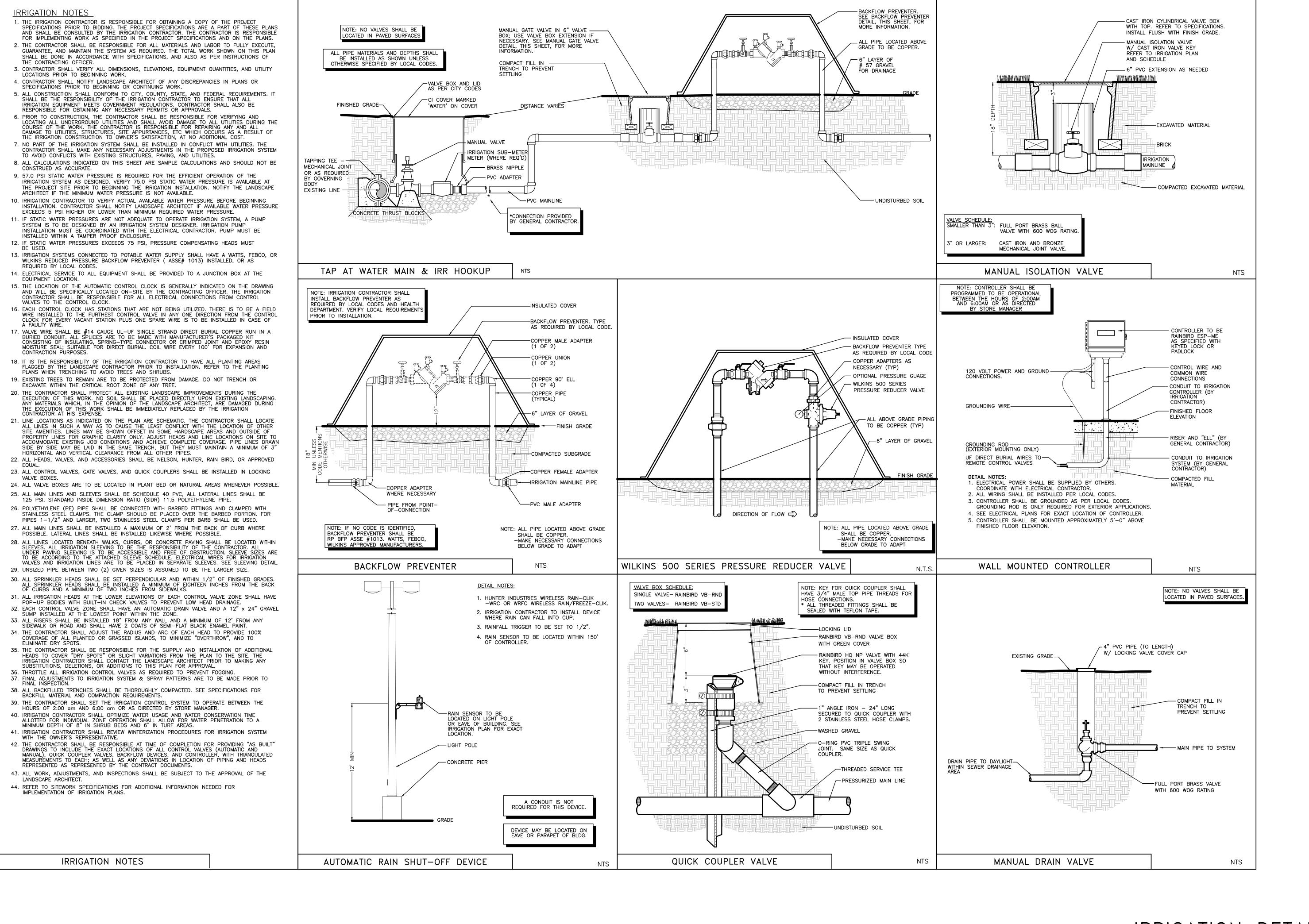
TRINITY HOUSING
DEVELOPMENT, LLC
556 S. CULPEPPER CIRCLE, SUITE 4
PRINGFIELD, MO 65804
H. (417) 882-1701

TONE AT COWETA TRAIL SENIOR APARTMENTS COWETA, OKLAHOMA

C. R. WALKER, PLA
7068 Ledgestone Commons
Bartlett, TN 38133
Phone (901) 384-0404
Fax (901) 384-0710

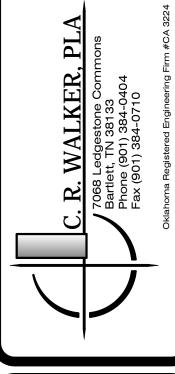


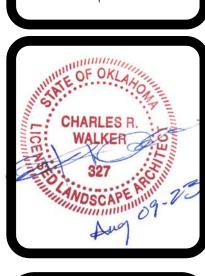
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1" = 30'
JOB No.
N/A
SHEET
24 OF 33 SHEETS



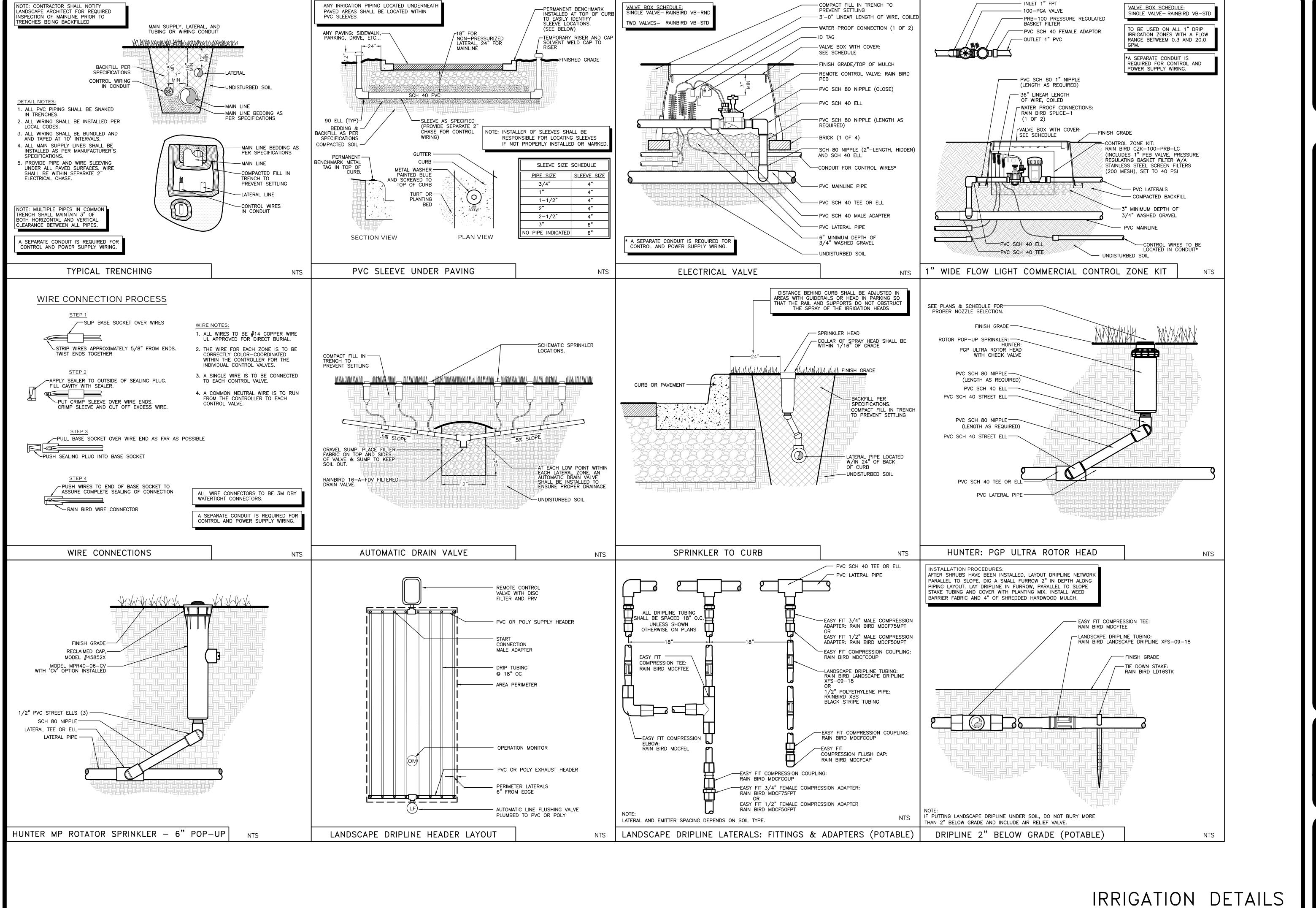
TRINITY HOUSING
DEVELOPMENT, LLC
3556 S. CULPEPPER CIRCLE, SUITE 4
SPRINGFIELD, MO 65804
PH (417) 882-1701

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SENIOR APARTMENTS
COWFTA OKI AHOMA





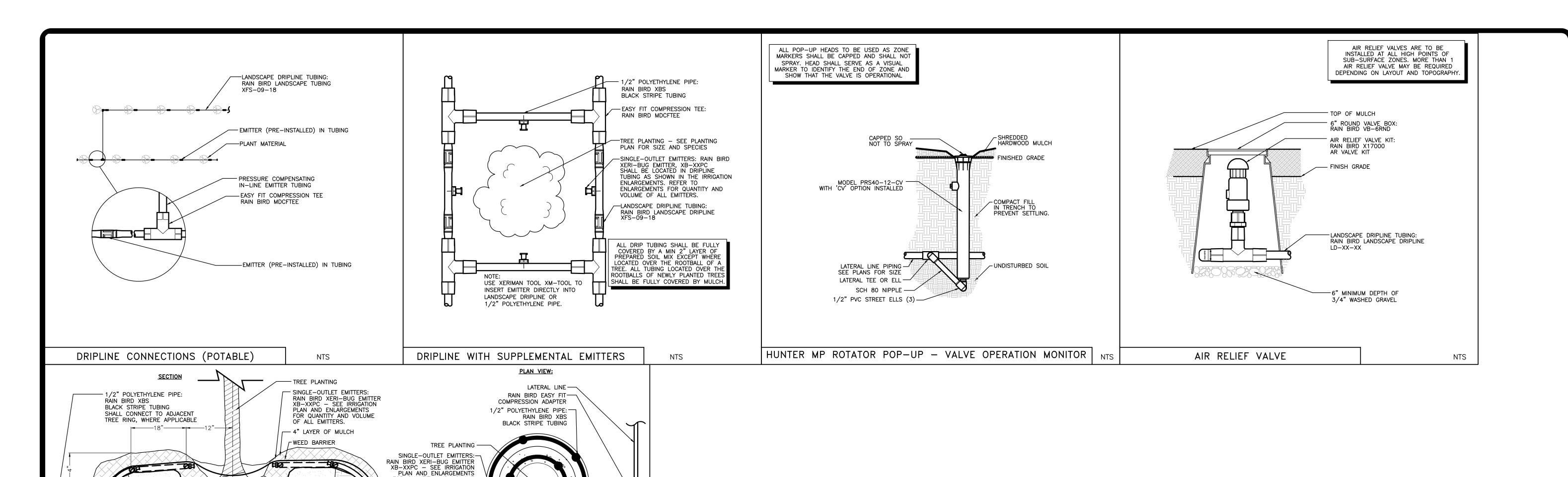
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25 OF 33 SHEETS



REVISIONS HOUSINC PEPPER CIRCLE MO 65804 32-1701 TR TONE SENI COW



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SHEET
26 OF 33 SHEETS



FOR QUANTITY AND VOLUME

OF ALL EMITTERS.

- RAIN BIRD EASY FIT COMPRESSION ADAPTER
- LATERAL LINE LOCATED 12" BELOW GRADE

- ROOTBALL

ALL DRIP IRRIGATION TUBING COMPONENTS SHALL BE FULLY COVERED BY MULCH.

— EXISTING SOIL

NOTE TO CONTRACTOR: ALL TREE RINGS SHALL BE

TUBING SHALL BE REJECTED AROUND TREES.

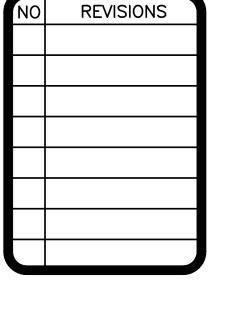
EMITTER RING AROUND ORNAMENTAL TREE PLANTING (OR TREES UNDER 3" CAL.)

CONSTRUCTED AS SHOWN, COILS OF IN-LINE EMITTER

EMITTERS AND TREE RINGS
SHALL BE LOCATED ON TOP OF
ROOTBALL. DO NOT BURY UNDER

ANY ADDITIONAL SOIL.

USE XERIMAN TOOL XM-TOOL TO INSERT EMITTER DIRECTLY INTO 1/2" POLYETHYLENE PIPE.



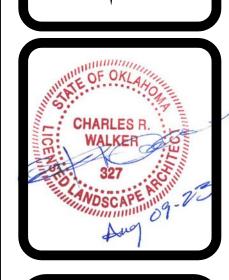
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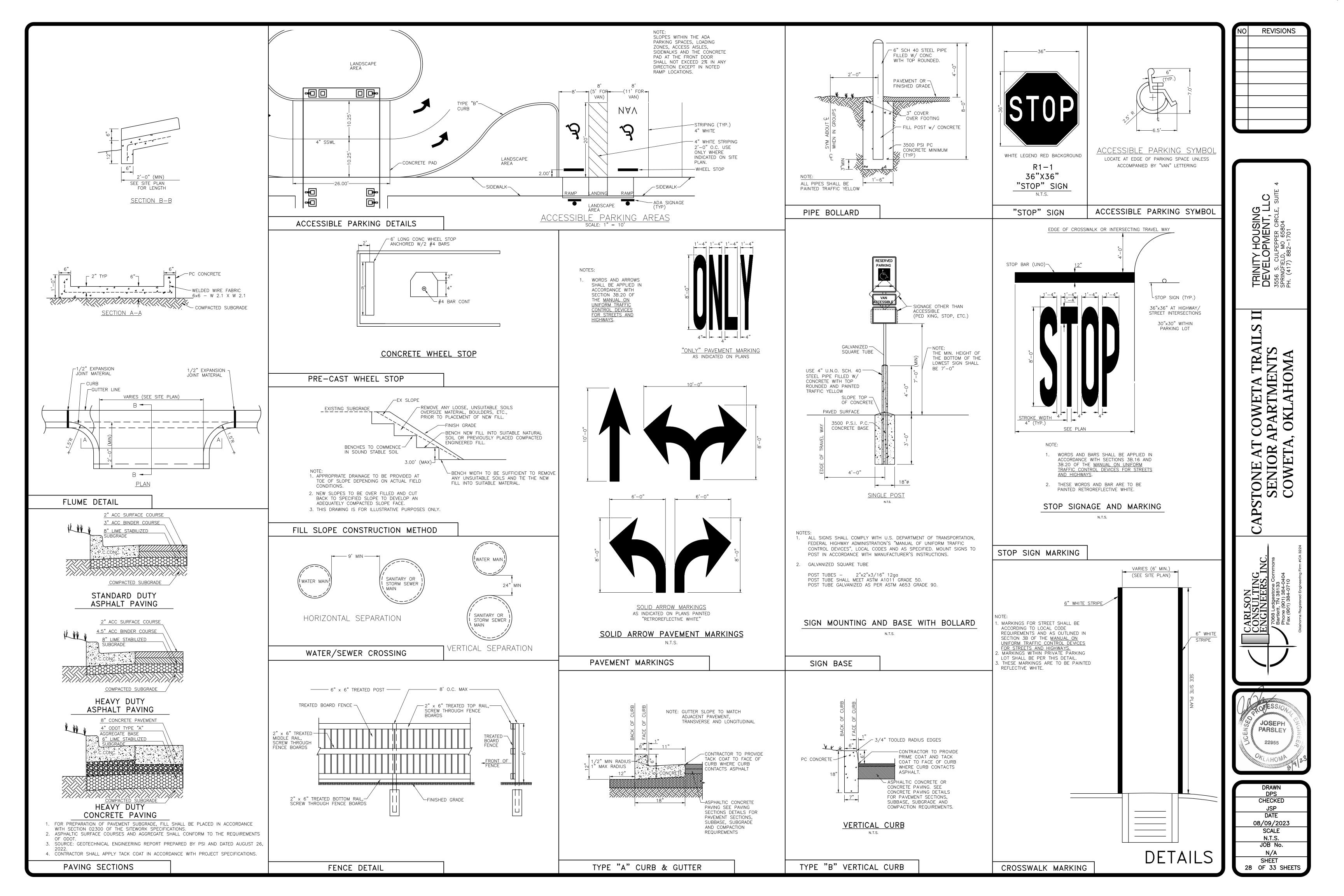
C. R. WALKER, PLA

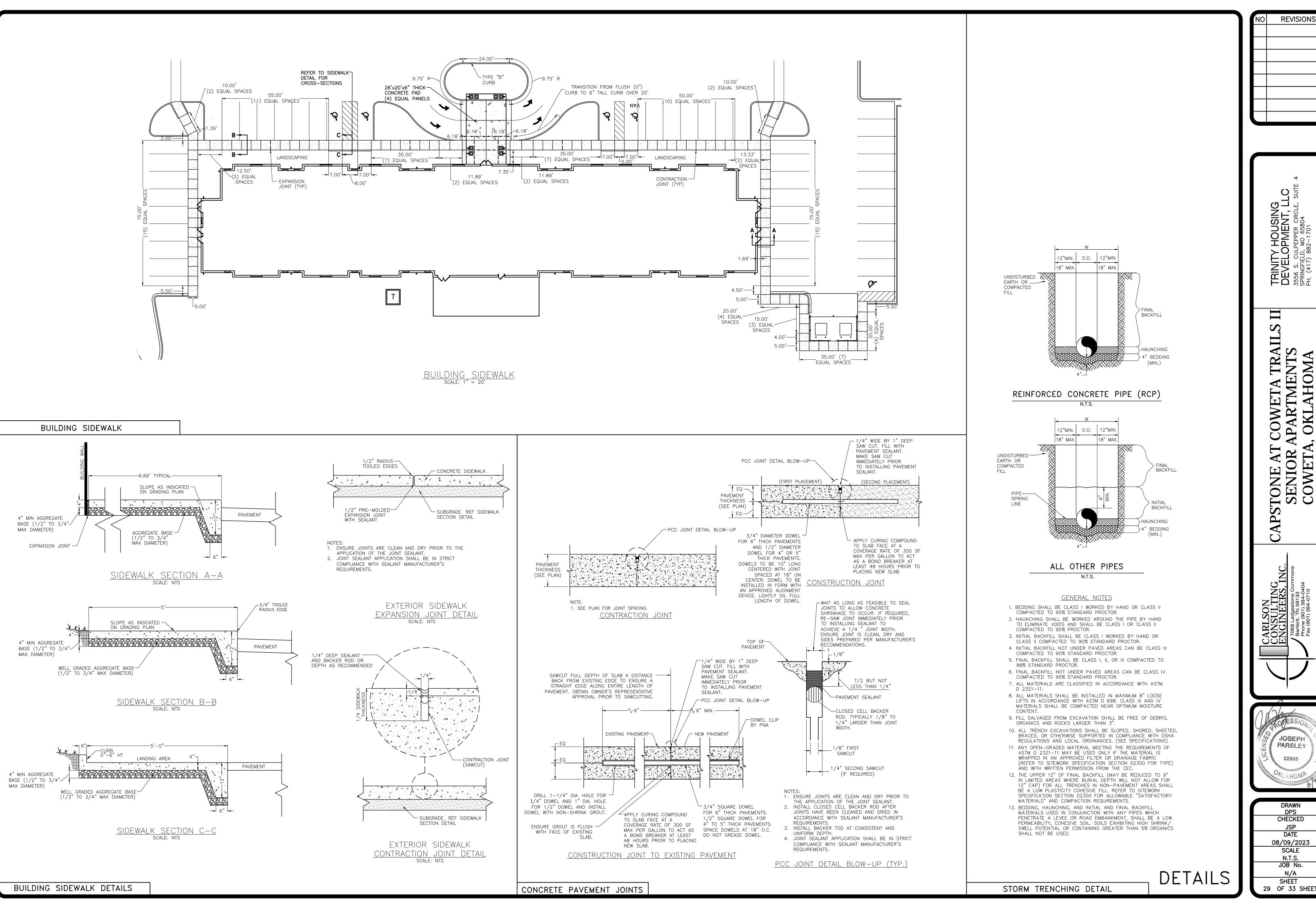
7068 Ledgestone Commons
Bartlett, TN 38133
Phone (901) 384-0404
Fax (901) 384-0710

Oklahoma Registered Engineering Firm #CA 3224



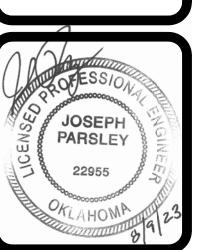
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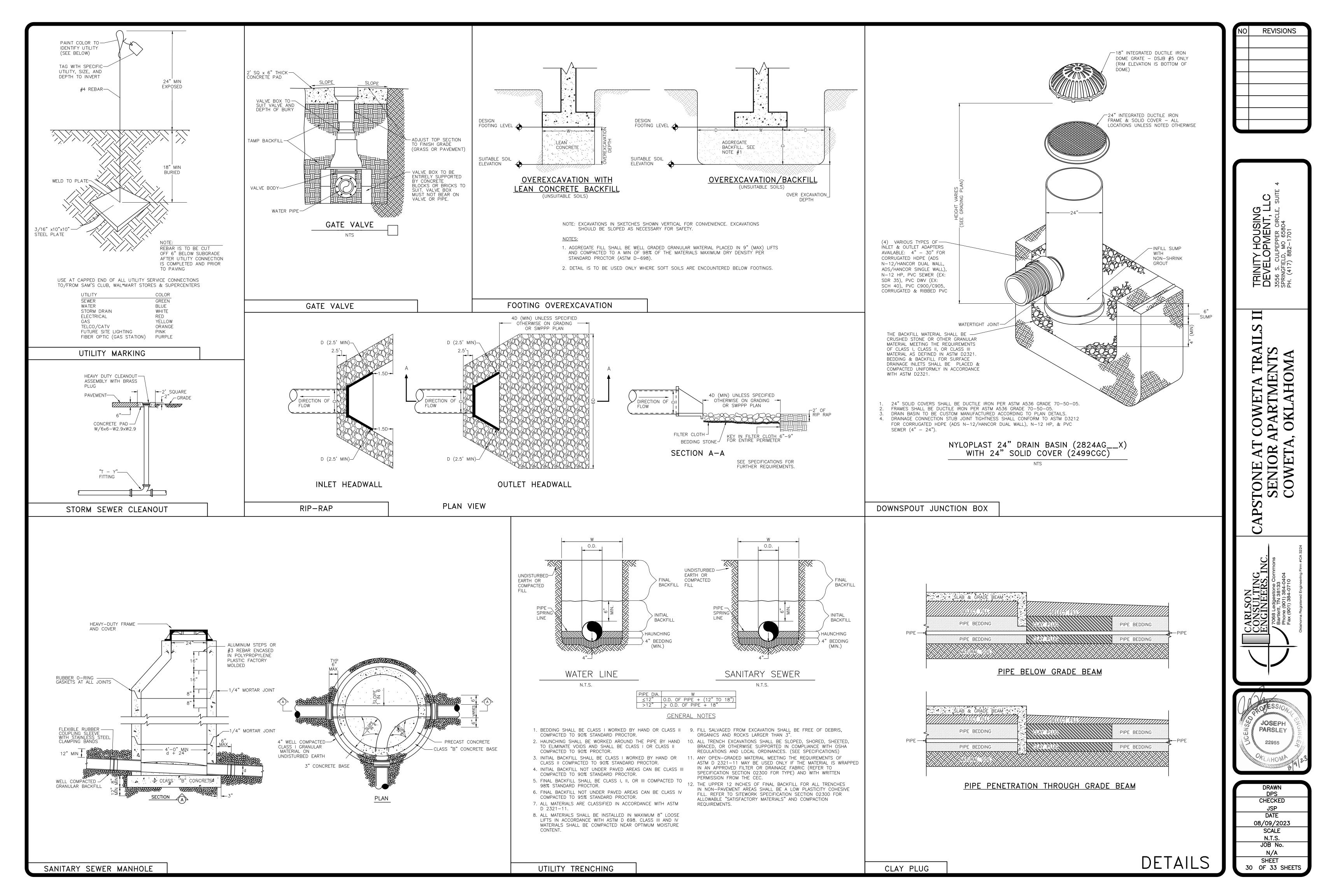


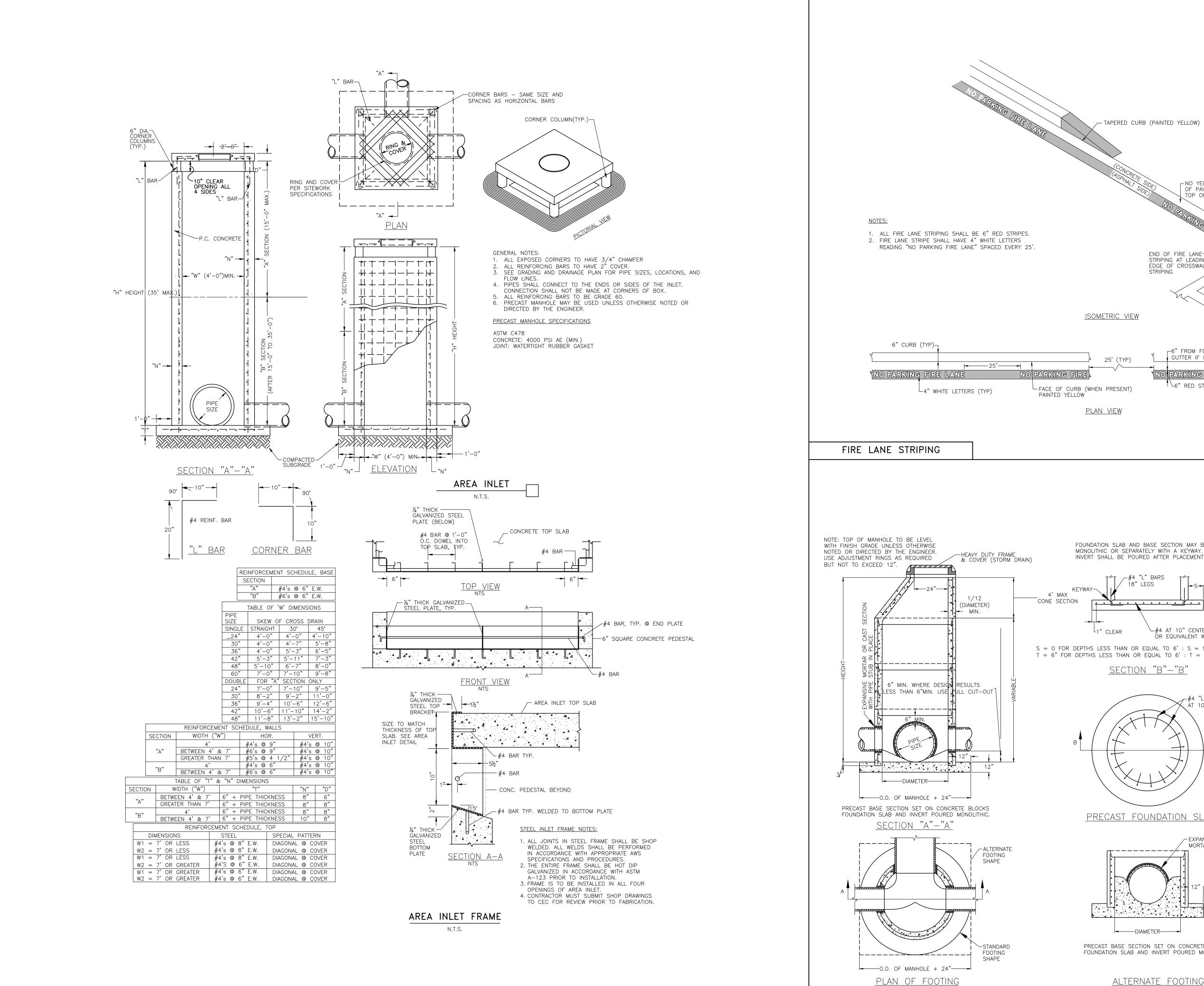
T COWETA TRAILS APARTMENTS
A, OKLAHOMA STONE SENI COW

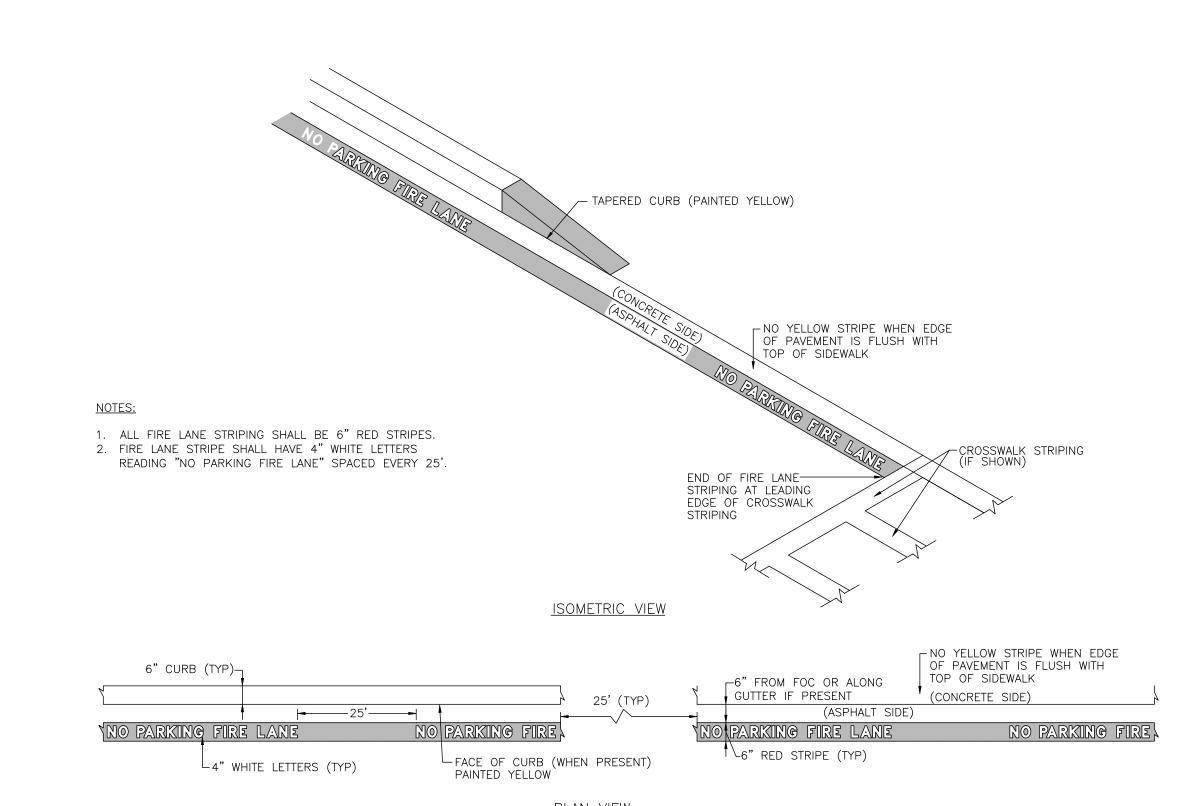


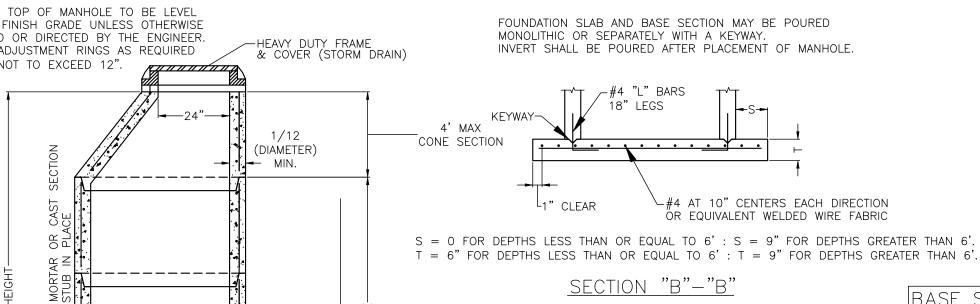


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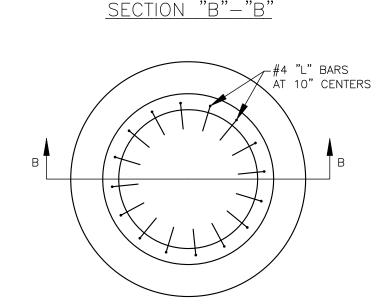




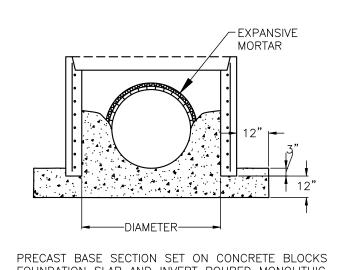




JUNCTION BOX







FOUNDATION SLAB AND INVERT POURED MONOLITHIC.

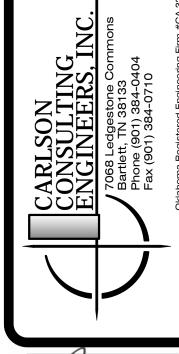
BASE SECTION	DIMENSIONS
SIZE OF PIPE	MIN. DIA.
24" OR SMALLER	48"
30" – 36"	60"
42" - 48"	72"

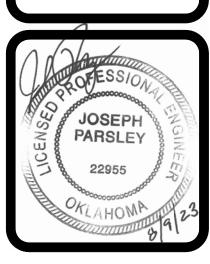
GENERAL NOTES:

- 1. PRECAST MANHOLE SHALL BE MANUFACTURED PER LATEST ASTM C478 AND C913 SPECIFICATIONS.
- 2. THE CONFIGURATION DETAILS SHOWN ARE DESCRIPTIVE ONLY AND MAY BE VARIED TO CONFORM WITH AN ESTABLISHED MANUFACTURING PROCEDURE.
- 3. FORMED OR CUT OUT OPENINGS SHALL BE PROVIDED WHERE PIPE INLETS AND OUTLETS ARE SHOWN ON THE PLANS.
- 4. THE TOP OF THE INLET SHALL NOT BE SET
- BELOW THE TOP OF THE OUTLET PIPE. 5. REINFORCEMENT SHALL BE CUT AT PIPE
- OPENINGS.
- 6. WHERE PIPES DO NOT ENTER OR EXIT RADIALLY, USE NEXT LARGER SIZE MANHOLE.
- 7. CIRCUMFERENTIAL REINFORCEMENT SIZE AND PLACEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS TO A MAXIMUM DEPTH OF 20 FEET. OVER 20 FOOT DEPTH CIRCUMFERENTIAL REINFORCEMENT IS INCREASED TO 0.24 SQUARE INCHES STEEL REQUIRED PER LINEAR FOOT, TO A MAXIMUM DEPTH OF 30
- 8. FOR PIPE CONNECTIONS, A RUBBER GASKET IN ACCORDANCE WITH ASTM RUBBER GASKET SPECIFICATIONS C443 OR C923 AND CAST INTEGRALLY IN MANHOLE MAY BE USED AS AN ALTERNATE TO EXPANSIVE MORTAR.

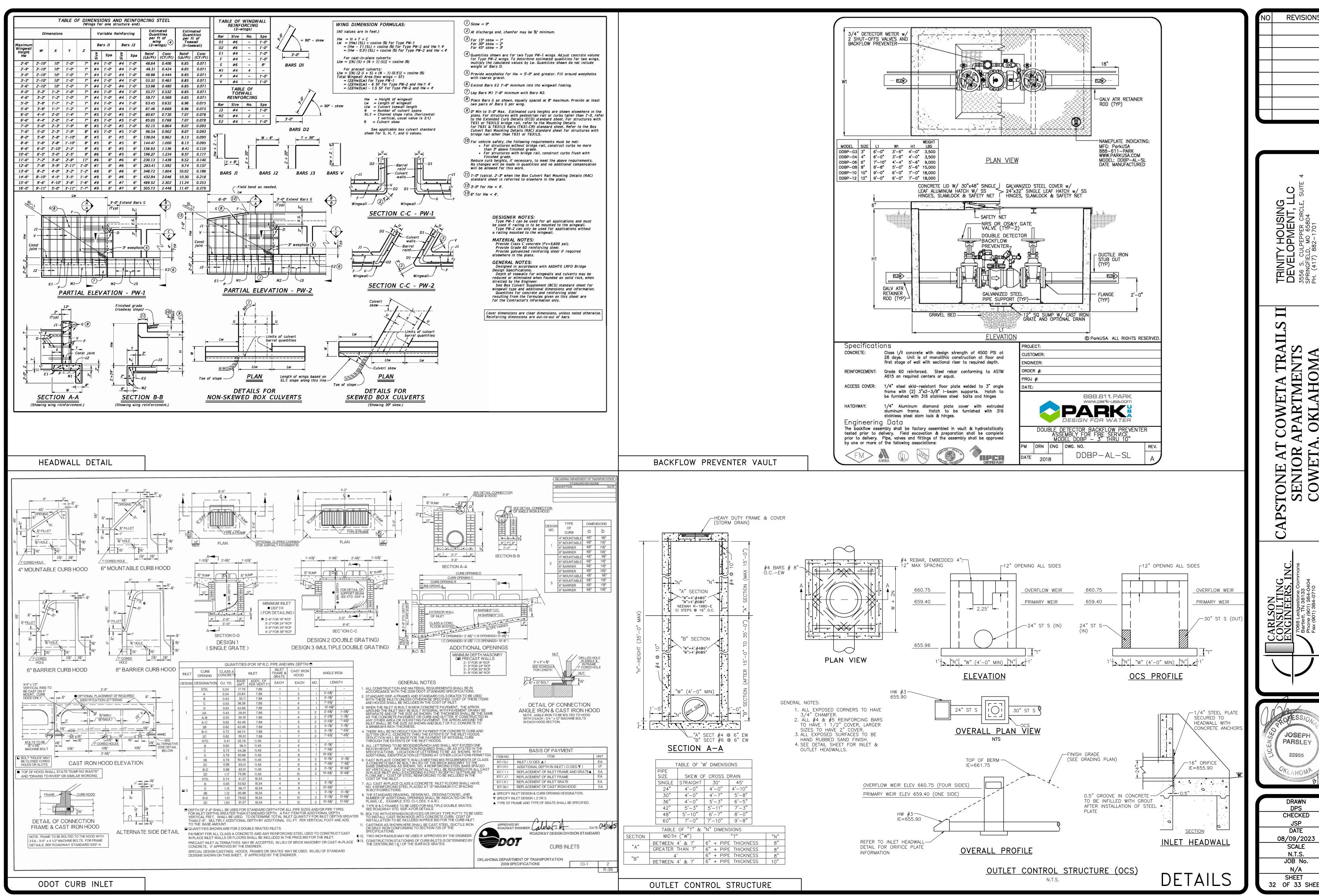
DETAILS

REVISIONS

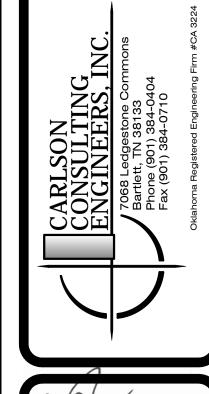


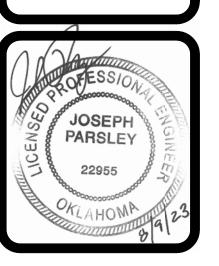


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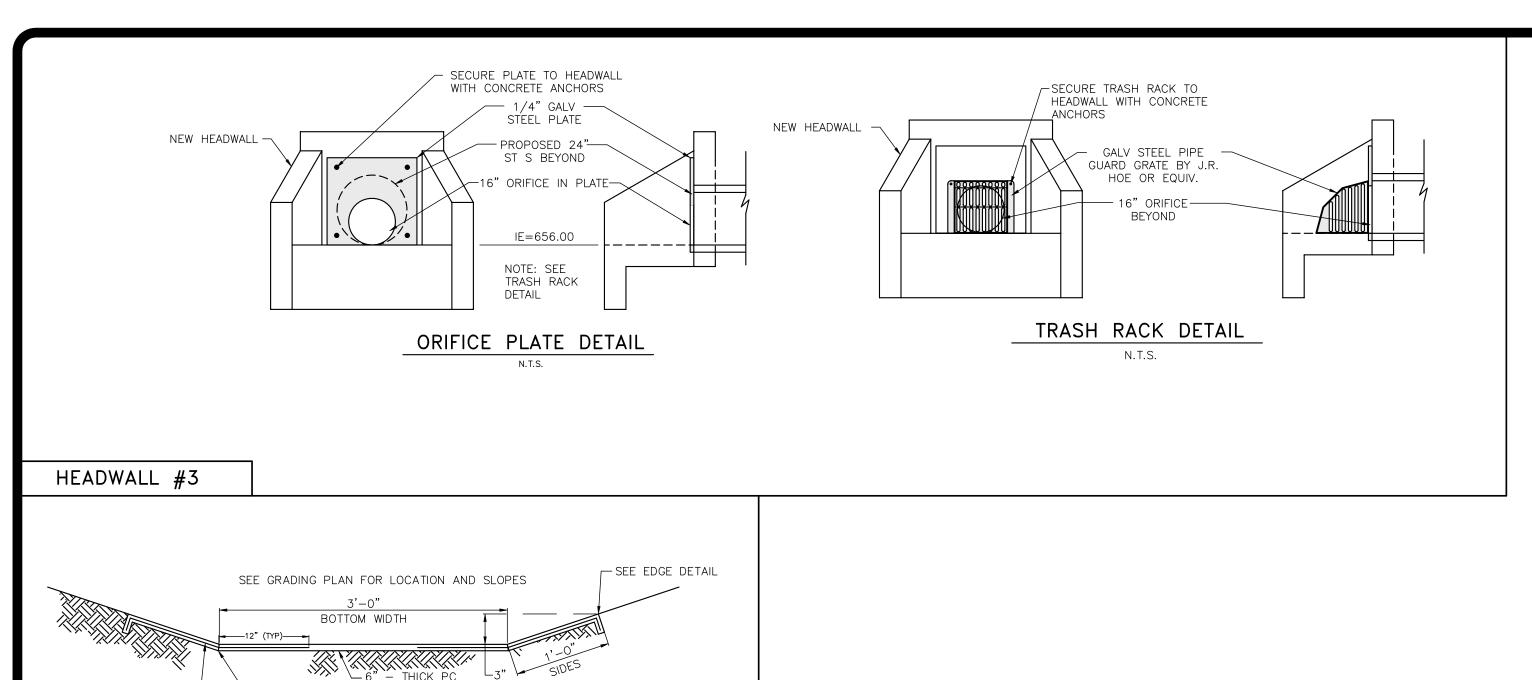


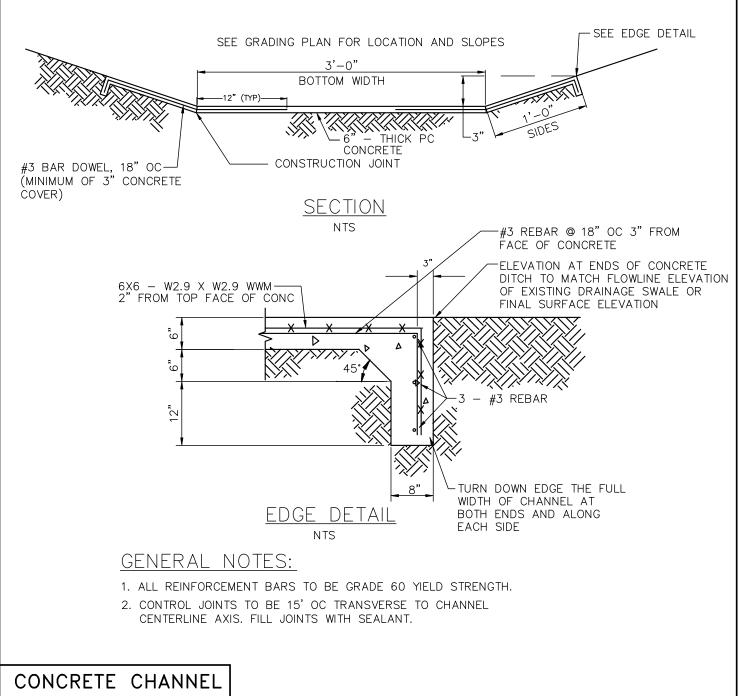


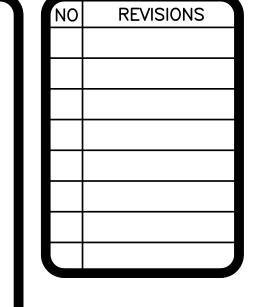




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32	OF 33 SHEETS				







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CAPSTONE AT COWETA TRAILS SENIOR APARTMENTS COWETA, OKLAHOMA

