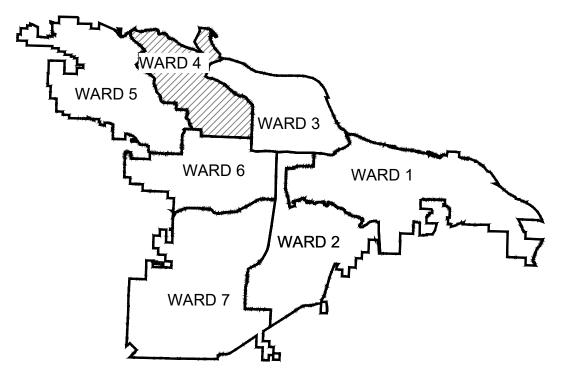


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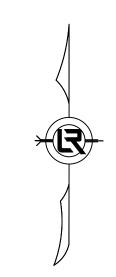
Call before you dig.

## 04-22-DR-004 IMPROVEMENTS

15% SUBMITTAL



PROJECT LOCATION - WARD 4



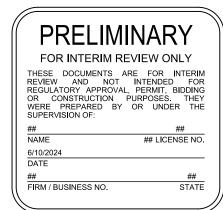
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DEPARTMENT OF PUBLIC WORKS CIVIL ENGINEERING 701 WEST MARKHAM STREET LITTLE ROCK, ARKANSAS 72201

INDEX OF SHEETS					
SHEET NUMBER	SHEET TITLE				
C1	COVER SHEET				
C2	LEGEND, NOTES, & QUANTITIES				
C3	TOPOGRAPHIC SURVEY				
C4	PLAN AND PROFILE				

DRAINAGE DESIGN BASED ON 25 YR STORM EVENT





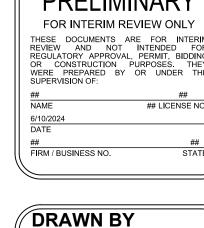
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**REVISIONS** 



**DESIGNED** 

CHECKED

**JUNE 2024** 

**AS SHOWN** 

054616.004

PROJECT NO.

SHEET NO.

DATE

SCALE

## GENERAL CONSTRUCTION NOTES

- 1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF LITTLE ROCK AND SHALL BE IN ACCORDANCE WITH THE CITY OF LITTLE ROCK STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION. ALL WORK NOT COVERED IN THE CONTRACT DOCUMENTS AND THE CITY OF LITTLE ROCK STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION SHALL BE GOVERNED BY THE ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD DETAILS AND SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION.
- EXISTING UTILITY LOCATIONS SHOWN ARE GENERALLY SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT THE SIZE AND LOCATION OF EACH PARTICULAR UTILITY. EXISTING UTILITIES SHOWN HAVE BEEN BASED ON AVAILABLE RECORD DRAWINGS AND SURFACE APPURTENANCE FIELD TIES ONLY SOME UTILITY LINES AND SURFACE LOCATIONS MAY NOT BE SHOWN. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING UTILITIES WHETHER SHOWN OR NOT.THE CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING UTILITIES WHETHER SHOWN OR NOT, DAMAGED BY THE CONTRACTOR'S ACTIVITIES. DIFFERENCES IN HORIZONTAL OR VERTICAL LOCATION OF EXISTING UTILITIES SHALL NOT BE BASIS FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR.
- BASIC HORIZONTAL AND VERTICAL CONTROL POINTS WILL BE ESTABLISHED OR DESIGNATED BY HALFF. THESE POINTS SHALL BE USED AS A DATUM FOR THE WORK. ALL ADDITIONAL SURVEY WORK SHALL BE PERFORMED BY A COMPETENT SURVEYOR EMPLOYED BY THE CONTRACTOR.
- 4. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY MONUMENTATION AND PRIMARY CONTROL. ANY SUCH POINTS WHICH THE CONTRACTOR BELIEVES WILL BE DESTROYED SHALL HAVE OFFSET POINTS ESTABLISHED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MONUMENTATION DESTROYED BY THE CONTRACTOR SHALL BE REESTABLISHED AT CONTRACTOR'S EXPENSE BY A REGISTERED PROFESSIONAL LAND SURVEYOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO: A.) PREVENT ANY DAMAGE TO PRIVATE PROPERTY AND PROPERTY OWNER'S POLES, FENCES, SHRUBS, ETC. B.) PROTECT ALL UNDERGROUND UTILITIES. C.) NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO EXCAVATION D.) FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES IN THE VICINITY OF CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UNIDENTIFIED POTENTIAL CONFLICTS THAT MAY EXIST BETWEEN THE EXISTING UTILITIES AND CONSTRUCTION PLANS.
- ANY DAMAGES THAT MAY OCCUR TO REAL PROPERTY OR EXISTING IMPROVEMENTS, INCLUDING EXISTING PRIVATE AND PUBLIC LANDSCAPE IRRIGATION SYSTEMS, SHALL BE RESTORED BY THE CONTRACTOR TO AT LEAST THE SAME CONDITION THAT THE REAL PROPERTY OR EXISTING IMPROVEMENTS WERE IN PRIOR TO THE DAMAGES. THIS RESTORATION SHALL BE SUBJECT TO THE OWNER'S APPROVAL; MOREOVER, THIS RESTORATION SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR. THE CONTRACTOR MUST FURNISH A LETTER TO THE CITY OF LITTLE ROCK, SIGNED BY THE PROPERTY OWNER, WHICH STATES REPAIRS ARE SATISFACTORY.
- THE CONTRACTOR SHALL LOCATE AND RECORD ANY EXISTING IRRIGATION SYSTEM PRIOR TO CONSTRUCTION. CONTRACTOR SHALL TEMPORARILY REMOVE AND CAP IRRIGATION SYSTEM AS NECESSARY FOR CONSTRUCTION AND SHALL REPLACE THE PORTIONS EQUIVALENT SYSTEMS. CONTRACTOR SHALL COORDINATE ANY IRRIGATION WORK WITH CITY AND PROPERTY OWNER'S REPRESENTATIVES.
- CONTRACTOR SHALL COORDINATE THE PROTECTION OF EXISTING FRANCHISE UTILITIES AND APPURTENANCES INCLUDING EXISTING UTILITY POLES IN THE VICINITY OF CONSTRUCTION OPERATIONS WHETHER UTILITIES ARE SHOWN ON THE CONTRACT DOCUMENTS OR NOT. ANY DAMAGE INCURRED TO EXISTING FRANCHISE UTILITIES, APPURTENANCES, UTILITY POLES, LIGHT STANDARDS, ETC., BY CONSTRUCTION RELATED ACTIVITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PONDS OF WATER IN STREETS, DRIVES, TRENCHES, ETC. WILL NOT BE ALLOWED. THE CONTRACTOR SHALL MAINTAIN RESIDENTIAL DRIVEWAY ACCESS AT ALL TIMES.
- 10. THE CONTRACTOR SHALL MAINTAIN EXISTING SANITARY SEWER AND WATER SERVICE AT ALL TIMES DURING CONSTRUCTION.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH UTILITY COMPANIES AND ADJUSTMENT OF EXISTING SANITARY SEWER MANHOLES, CLEANOUTS, WATER METERS, WATER VALVES, FIRE HYDRANTS AND OTHER UTILITY APPURTENANCES TO FINISHED GRADE AS REQUIRED AT NO ADDITIONAL COST TO THE CITY OF LITTLE ROCK.
- 12. THE CONTRACTOR SHALL EXCAVATE AND FIELD LOCATE THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING WATER LINES AND SANITARY SEWER LINES AT ALL PROPOSED STORM DRAIN LINE CROSSING LOCATIONS UTILIZING PROVIDED PROJECT CONTROL.IN ADDITION, THE HORIZONTAL AND VERTICAL LOCATION AND SIZE OF EXISTING STORM DRAIN LINES SHALL BE VERIFIED AT THE POINT OF PROPOSED CONNECTION WITH NEW STORM DRAIN FACILITIES. FIELD VERIFICATION SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OF THE PROPOSED STORM DRAIN IMPROVEMENTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES IDENTIFIED BETWEEN THE CONTRACTOR'S FIELD VERIFIED OF EXISTING UTILITY LOCATION AND THE EXISTING UTILITY LOCATION REPRESENTED ON THE DRAWINGS. THE CONTRACTOR SHALL GIVE ALL FRANCHISE UTILITIES 48-HOUR ADVANCED NOTICE BEFORE CONSTRUCTION IN AREAS WHERE UTILITIES ARE PRESENT.
- 13. AREAS OF THE SITE THAT WILL UNDERLIE FILL SHALL BE SCARIFIED TO A DEPTH OF 6 INCHES AND RECOMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY, AS DETERMINED BY ASTM D698, "STANDARD PROCTOR". THE MOISTURE CONTENT SHALL RANGE FROM -2 TO +4 PERCENTAGE POINTS ABOVE OPTIMUM.
- 14. PEDESTRIAN AND VEHICULAR TRAFFIC FLOW, SAFETY AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. BARRICADING AND TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", PART VI IN PARTICULAR. TRAFFIC FLOW AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE TRAFFIC CONTROL PLAN. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC SAFETY MEASURES FOR WORK ON THE PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PUBLIC SAFETY IN THE CONSTRUCTION AREA DURING THE DURATION OF CONSTRUCTION ACTIVITIES.
- 15. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION AND TRENCH SAFETY. THE CONTRACTOR SHALL PROVIDE DETAILED PLANS AND SPECIFICATIONS FOR EXCAVATION AND TRENCH SAFETY SYSTEMS THAT COMPLY WITH APPLICABLE LAWS GOVERNING EXCAVATION AND TRENCH SAFETY. THESE PLANS SHALL BE SEALED BY AN ENGINEER REGISTERED IN THE STATE OF ARKANSAS EXPERIENCED IN THE DESIGN OF EXCAVATION AND TRENCH SAFETY SYSTEMS. THE CONTRACTOR SHALL SUBMIT COMPLETED EXCAVATION AND TRENCH SAFETY PLAN TO THE ENGINEER PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASPECTS OF WORK RELATED TO EXCAVATION AND TRENCH SAFETY.

- 16. CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS WORK SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS MATERIALS FROM EXCAVATION INCLUDE DIRT, TRASH ROCK MEASURING GREATER THAN 4 INCHES IN THE LARGEST DIMENSION, ETC. SHALL BE PROPERLY DISPOSED OF AT A SITE ACCEPTABLE TO THE CITY OF LITTLE ROCK IF WITHIN THE CITY LIMITS. IF THE LOCATION IS NOT WITHIN THE CITY LIMITS, THE CONTRACTOR SHALL PROVIDE A LETTER STATING SO. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAYS WITH OUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE CITY OF LITTLE ROCK. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THESE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST.
- 17. BIDDERS SHALL MAKE ANY INVESTIGATION OF EXISTING SUBSURFACE CONDITIONS AS DEEMED NECESSARY AT NO EXPENSE TO THE CITY OF LITTLE ROCK. NEITHER THE CITY OF LITTLE ROCK NOR THE ENGINEER WILL BE RESPONSIBLE IN ANY WAY FOR ADDITIONAL COMPENSATION FOR EXCAVATION WORK PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S ASSUMPTIONS.
- 18. THE CONTRACTOR WILL FURNISH TO THE CITY OF LITTLE ROCK THE NAME OF AN OSHA CERTIFIED COMPETENT PERSON TO BE ON THE PROJECT AT ALL TIMES.
- 19. WHERE TREES, PLANTS, SHRUBBERY, ETC., ARE ADJACENT TO THE LINE OF WORK AND ARE NOT TO BE REMOVED OR REMOVED AND REPLACED, THE CONTRACTOR SHALL PROTECT SUCH TREES, PLANTS, SHRUBBERY, ETC. IF SUCH TREES, PLANTS SHRUBBERY, ETC., COULD LIKELY BE DAMAGED BY MACHINERY, ETC., ORANGE SAFETY FENCING WITH STEEL T-POSTS HAVING A MINIMUM HEIGHT OF 3 FEET AND AS APPROVED BY THE CITY SHALL BE UTILIZED FOR PROTECTION. HAND EXCAVATION MAY ALSO BE REQUIRED IN VICINITY OF TREES, PLANTS, SHRUBBERY, ETC., THAT ARE TO REMAIN. THE CONTRACTOR SHALL NOT PERMIT MACHINERY OR EMPLOYEES TO SCRAPE, TEAR THE LIMBS FROM, DAMAGE OR ATTACH GUY CABLES TO EXISTING TREES THAT ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO ADJACENT TREES, PLANTS, SHRUBBERY, ETC., THAT ARE TO REMAIN AND ANY SUCH DAMAGE SHALL BE REMEDIED TO THE SATISFACTION OF THE CITY. THE COSTS OF SUCH PROTECTION SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO ROW PREPARATION.
- 20. CONTRACTOR SHALL COORDINATE WITH THE POSTMASTER AND OCCUPANTS ALONG THE PROPOSED IMPROVEMENTS TO SET UP POST OFFICE BOXES AND STOP MAIL DELIVERY DURING CONSTRUCTION (AS
- 21. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A CONSTRUCTION SEQUENCE SCHEDULE. THE SCHEDULE SHALL BE SUCH THAT THERE IS A MINIMUM OF INTERFERENCE WITH TRAFFIC ALONG OR ADJACENT TO PROJECT.
- 22. CONSTRUCTION MAY NOT BEGIN EARLIER THAN 7:00 AM NOR CONTINUE AFTER 7:00 PM ON WEEKDAYS. CONSTRUCTION ON SATURDAY MAY NOT BEGIN BEFORE 8:00 AM NOR CONTINUE AFTER 3:00 PM AND WORK ON SUNDAY IS PROHIBITED UNLESS APPROVAL IS OBTAINED FROM THE CITY OF LITTLE ROCK.
- 23. WORK MAY NOT BE BACKFILLED OR COVERED UNTIL INSPECTED BY THE CITY'S INSPECTOR.
- 24. THE LRSD SHALL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM ON SITE MATERIAL TESTS, INSPECTIONS, AND APPROVAL REQUIRED BY THE CONTRACT DOCUMENTS, LAWS, OR REGULATIONS OF CITY. HYDROSTATIC TESTS AND STERILIZATION OF WATER MAINS COMPLETED UNDER THIS CONTRACT WILL BE THE RESPONSIBILITY OF AND PAID FOR BY THE CONTRACTOR. AIR TESTS. DEFLECTIONS TESTS, AND VIDEO OF NEWLY CONSTRUCTED WASTEWATER MAINS AND VACUUM TESTS OF MANHOLES CONSTRUCTED UNDER THIS CONTRACT WILL BE THE RESPONSIBILITY OF AND PAID FOR BY THE CONTRACTOR. ALL COSTS ASSOCIATED WITH TESTING REQUIRED BY THE CONTRACTOR SHALL BE CONSIDERED TO BE INCLUDED WITH THE VARIOUS BID ITEMS. FAILED TESTS PERFORMED SHALL BE PAID FOR BY THE CONTRACTOR AS A DEDUCTION ITEM.
- CONTRACTOR IS RESPONSIBLE TO PREPARE AND MAINTAIN THE STORM WATER POLLUTION PREVENTION PLAN AND SHALL KEEP A COPY OF THE PLAN ON-SITE AT ALL TIMES. CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (NOI) AND A NOTICE OF TERMINATION (NOT) TO (WHO?). TEMPORARY EROSION CONTROL SHALL BE USED TO MINIMIZE THE SPREAD OF SILT AND MUD FROM THE PROJECT ON EXISTING, DRAINAGE WAYS AND PUBLIC AND PRIVATE PROPERTY. CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) DEVICES; CONDUCTION AND DOCUMENTING INSPECTIONS OF BMP DEVICES. TEMPORARY EROSION CONTROLS BMP DEVICES MAY INCLUDE SILT FENCE, BERMS, DIKES, SWALES, STRIPS OF UNDISTURBED VEGETATION, CHECK DAMS AND OTHER METHODS AS REQUIRED BY THE ENGINEER OR HIS REPRESENTATIVE.
- 26. FINISHED SLOPES ON PUBLIC RIGHTS-OF-WAY AND EASEMENTS SHALL NOT BE STEEPER THAN 4:1. UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR REVIEW AND REFER TO PLANS FOR SUGGESTED TRAFFIC CONTROL AND CONSTRUCTION PHASING.
- 28. THE CONTRACTOR SHALL REMOVE, SALVAGE AND REPLACE ALL STREET AND TRAFFIC CONTROL SIGNS WHICH MAY BE DAMAGED BY CONSTRUCTION OF THE PROJECT. IF SIGNS ARE SHOWN TO BE REMOVED AND RELOCATED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE SIGNS BETWEEN REMOVAL AND REINSTALLATION.
- 29. CONTRACTOR SHALL COORDINATE WITH FRANCHISE UTILITY COMPANIES TO REMOVE OR RELOCATE AS REQUIRED, AT THE FRANCHISE UTILITY OWNERS' EXPENSE WHEN APPLICABLE.
- 30. THE CONTRACTOR SHALL SUPPLY WATER FOR CONSTRUCTION.

## EXISTING

PK NAIL OPK ORR(Sp) R.R. SPIKE CONC. MONUMENT CM WATER VALVE WATER METER CII WAY FIRE HYDRANT CUFH GAS METER GAS VALVE CLEAN-OUT GUARD POST (BOLLARD) SIGN POST BENCHMARK STORM SEWER MANHOLE SANITARY SEWER MANHOLE TELEPHONE MANHOLE ELECTRIC MANHOLE TELEPHONE BIOX ELECTRIC BOX CABLE BOX UTILITY POLE GUY WIRE LIGHT POLE POST OR POLE (TYPE AS NOTED) MAILBOX DECIDUOUS TREE EVERGREEN/CONIFEROUS TREE PROPERTY LINE SETBACK LINE EASEMENT LINE CURB .....X OVERHEAD UTILITY UNDERGROUND TELEPHONE UNDERGROUND ELECTRIC ---- 10E ---- 10E -----WATER LINE ----- 5"W ------ 5"W -----SEWER LINE ---- 0AS ---- 0AS ----GAS LINE STORM SEWER/CULVERT Designation of the last of the 650----CONTOUR LINE

## **QUANTITIES**

SITE PREPARATION  UNCLASSIFIED EXCAVATION  CY  TOPSOIL  AGGREGATE BASE COURSE  TON  TACK COAT  ACHIN SURFACE COURSE  TON  ACHIN BINDER COURSE  TON  CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH  SF  CONCRETE CURB AND GUTTER (CLASS 3)  LF  JUNCTION BOX  EA  STORM DRAIN PIPE, 18" SIDE DRAIN  TIE INTO EXISTING CONCRETE PIPE  EA  SOLID SODDING, BERMUDA  FINAL CLEANUP  LS  SILT FENCE - TYPE A (SFA)	QUAN.
TOPSOIL  AGGREGATE BASE COURSE  TON  TACK COAT  ACHIN SURFACE COURSE  TON  ACHIN BINDER COURSE  TON  CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH  SF  CONCRETE CURB AND GUTTER (CLASS 3)  LF  JUNCTION BOX  EA  STORM DRAIN PIPE, 18" SIDE DRAIN  TIE INTO EXISTING CONCRETE PIPE  EA  SOLID SODDING, BERMUDA  FINAL CLEANUP	1
AGGREGATE BASE COURSE TACK COAT GAL ACHIM SURFACE COURSE TON ACHIM BINDER COURSE TON CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH SF CONCRETE CURBAND GUTTER (CLASS 3) LF JUNCTION BOX EA STORM DRAIN PIPE, 18" SIDE DRAIN TIE INTO EXISTING CONCRETE PIPE EA SOLID SODDING, BERMUDA FINAL CLEANUP  TON CAL TON STON TON TON SF TON	297
TACK COAT  ACHIM SURFACE COURSE  TON  ACHIM BINDER COURSE  CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH  SF  CONCRETE CURBAND GUTTER (CLASS 3)  LF  JUNCTION BOX  EA  STORM DRAIN PIPE, 18" SIDE DRAIN  TIE INTO EXISTING CONCRETE PIPE  EA  SOLID SODDING, BERMUDA  SY  FINAL CLEANUP	13
ACHM SURFACE COURSE TON CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH CONCRETE CURBAND GUTTER (CLASS 3) LF JUNCTION BOX EA STORM DRAIN PIPE, 18" SIDE DRAIN TIE INTO EXISTING CONCRETE PIPE SOLID SODDING, BERMUDA FINAL CLEANUP  TON TON TON TON TON TON TON TON TON TO	1420
ACHM BINDER COURSE  CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH  SF  CONCRETE CURBAND GUTTER (CLASS 3)  LF  JUNCTION BOX  EA  STORM DRAIN PIPE, 18" SIDE DRAIN  ILF  TIE INTO EXISTING CONCRETE PIPE  EA  SOLID SODDING, BERMUDA  SY  FINAL CLEANUP	1
CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH  CONCRETE CURBAND GUTTER (CLASS 3)  LF  JUNCTION BOX  EA  STORM DRAIN PIPE, 18" SIDE DRAIN  TIE INTO EXISTING CONCRETE PIPE  EA  SOLID SODDING, BERMUDA  FINAL CLEANUP	1.98
CONCRETE CURBAND GUTTER (CLASS 3)  JUNCTION BOX  EA  STORM DRAIN PIPE, 18" SIDE DRAIN  ITE INTO EXISTING CONCRETE PIPE  SOLID SODDING, BERMUDA  FINAL CLEANUP  LS	0.66
JUNCTION BOX  STORM DRAIN PIPE, 18" SIDE DRAIN  ITE INTO EXISTING CONCRETE PIPE  SOLID SODDING, BERMUDA  FINAL CLEANUP  SA  EA  SY  FINAL CLEANUP	241
STORM DRAIN PIPE, 18" SIDE DRAIN  TIE INTO EXISTING CONCRETE PIPE  EA  SOLID SODDING, BERMUDA  SY  FINAL CLEANUP  LS	35
TIEINTO EXISTING CONCRETE PIPE  SOLID SODDING, BERMUDA  FINAL CLEANUP  EA  SY  LS	1
SOLID SODDING, BERMUDA SY FINAL CLEANUP LS	167
FINAL CLEANUP LS	1
	73
SILT FENCE - TYPE A (SFA)	1
	154
<b>CLEANUP</b> LS	1
CURBINLET - 4' BOX	1

REVISIONS DATE

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**DRAWN BY DESIGNED** CHECKED DATE **JUNE 2024** SCALE **AS SHOWN** PROJECT NO. 054616.004 SHEET NO.



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS BUTTERMILK ROAD DRAINAGE IMPROVEMENT

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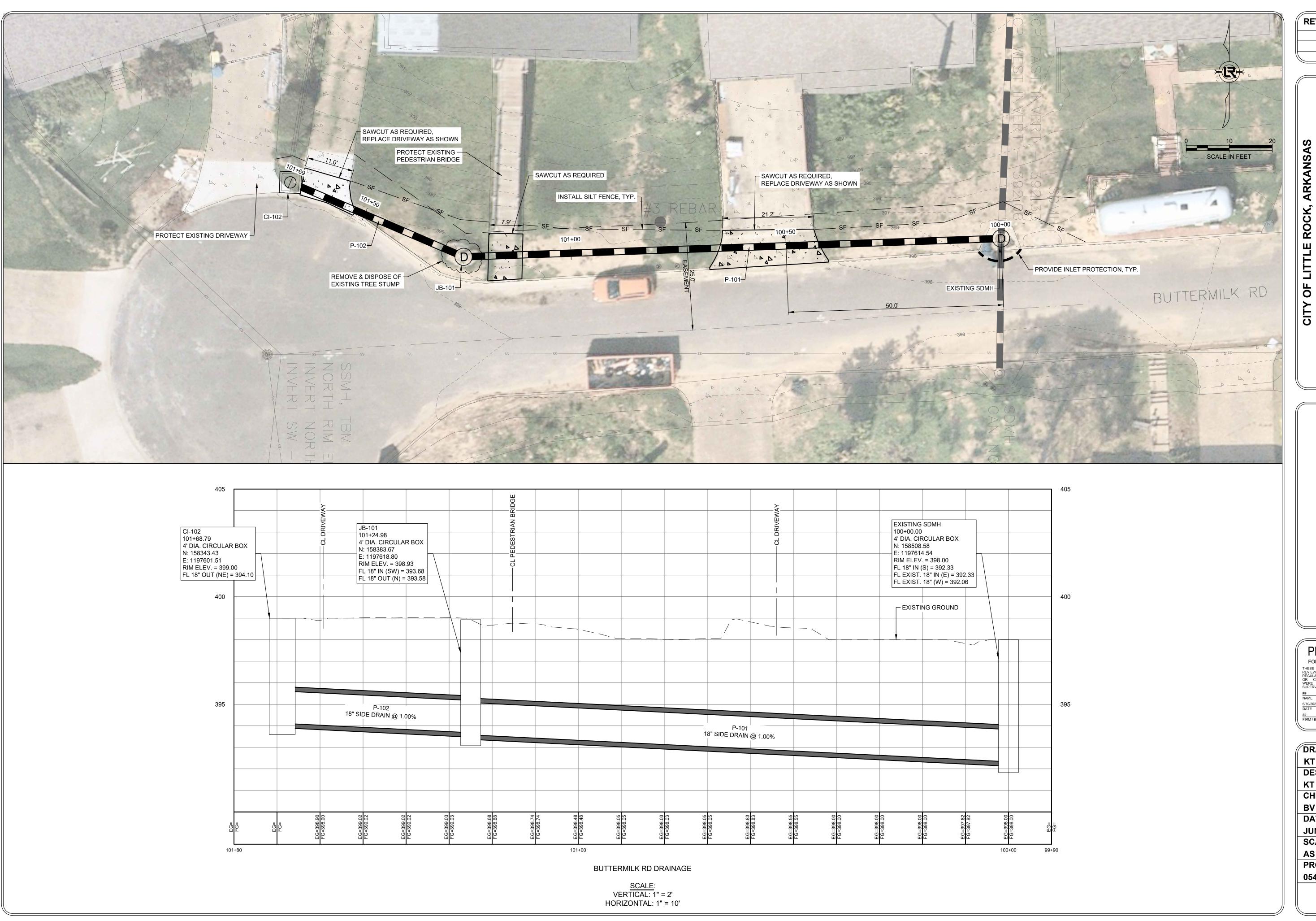
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SCALE
AS SHOWN
PROJECT NO.
054616.004

SHEET NO.



REVISIONS DATE

AGE IMPROVEMENTS

ROAD DRAINAGE IMPROV

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

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