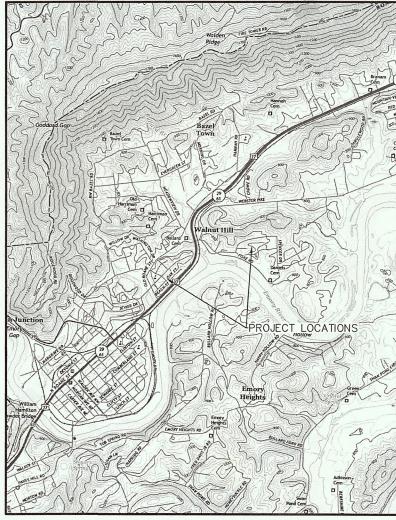
HARRIMAN UTILITY BOARD 2017 HARRIMAN CDBG WATER SYSTEM IMPROVEMENTS PROJECT STATE CONTRACT NO. 12079

DRAWING INDEX

TITLE	DRAWING NO
TITLE SHEET	1
GENERAL PLAN	2
BIRCH & OAK STREETS	3
SPENCER DRIVE SHEET 1 OF 2	4
SPENCER DRIVE SHEET 2 OF 2	
DETAIL SHEET 1 OF 2	6
DETAIL SHEET 2 OF 2	7
EROSION CONTROL PLAN	8
EROSION CONTROL DETAILS	



LOCATION MAP



CTI ENGINEERS, INC.
112 DURWOOD ROAD SUITE A
KNOXVILLE, TN 37922
865-246-2750

She Kin

2/28/18

TENNESSEE LICENSE NO. 103702



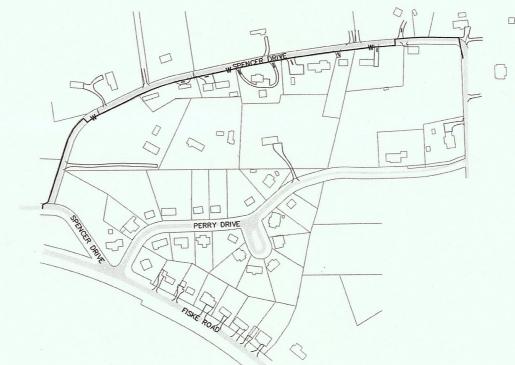
I CERTIFY THAT THESE PLANS HAVE BEEN REVIEWED AND APPROVED BY THE HARRIMAN UTILITY BOARD

Canolas O. Vannol 02 - 28 - 2018

CANDACE VANNASDALE, PE DATE

MANAGER OF GWS ADMINISTRATION & ENGINEERING

BIRCH & OAK STREET PLAN



SPENCER DRIVE PLAN

GENERAL NOTES

GRADING AND EXCAVATION

- WHEN SPECIFIC GRADING REQUIREMENTS ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL GRADE ALL AREAS WITHIN THE LIMITS OF CONSTRUCTION, OR OTHERWISE DISTURBED BY CONSTRUCTION, TO DRAIN AND TO MATCH THE EXISTING, ADJACENT GROUND.
- 2. THE CONTRACTOR SHALL PERFORM ALL NECESSARY STRIPPING OF EXISTING TOPSOIL ON THE JOBSITE.
- 3. ON THE PROJECT, NEWLY GRADED, EARTH AREAS NOT TO BE PAVED, RIP-RAPPED, OR STABILIZED, SHALL BE SEEDED IN ACCORDANCE WITH THE SPECIFICATIONS. PRIOR TO SEEDING, A FOUR INCH LAYER OF TOPSOIL SHALL BE PLACED ON THESE AREAS IN ACCORDANCE WITH SAID SPECIFICATIONS.
- THE CONTRACTOR SHALL DISPOSE OF, AT HIS OWN EXPENSE, ALL UNSUITABLE AND/OR SURPLUS, EXCAVATED MATERIAL.
- 5. EXCAVATION ADJACENT TO EXISTING PAVEMENT SHALL BE MADE TO A NEAT LINE.
- 6. ALL TREES THAT ARE CUT OR KNOCKED DOWN WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF OFF-SITE AT THE CONTRACTOR'S EXPENSE. BURNING SHALL NOT BE PERMITTED.
- BACKFILLING, COMPACTING, GRADING, AND SITE-CLEANUP SHALL OCCUR DAILY AS PIPE INSTALLATION PROGRESSES.

EROSION/POLLUTION CONTROL

- 8. ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL REQUIREMENTS SHALL BE FOLLOWED DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND WATER POLLUTION THROUGH THE CONSTRUCTION PERIOD. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE EXCAVATION OPERATIONS BEGIN. CLEARING AND GRUBBING SHALL BE HELD TO A MINIMUM WIDTH NECESSARY TO ACCOMMODATE CONSTRUCTION SLOPES, EMBANKMENTS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED TO MINIMIZE REOSION. BALED STRAW EROSION CHECKS AND SILT FENCE SHALL BE USED ALONG THE TOE OF FILL SLOPES, IN DITCHES, AND IN OTHER AREAS WHERE EROSION IS A PROPILED AND IN THE AREAS WHERE EROSION IS A PROBLEM AND SILT-LADEN RUNOFF MAY ENTER A DRAINAGE DITCH, STREAM OR ADJACENT
- 9. ANY STOCKPILED SOIL OR FILL MATERIAL SHALL BE LOCATED AND TREATED IN A MANNER TO PREVENT SILT ENTERING STREAMS. NO EXCAVATED MATERIAL SHALL BE DISCHARGED INTO DITCHES. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL IN A LOCATION, APPROVED BY THE ENGINEER, ABOVE THE NORMAL HIGH WATER ELEVATION.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL EROSION CONTROL PROVISIONS AS SET FORTH IN THE EROSION & SEDIMENT CONTROL HANDBOOK AVAILABLE FROM THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.
- 11. THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN AND SHALL MAINTAIN THE EROSION CONTROL MEASURES THROUGHOUT THE LENGTH OF THE CONTRACT AS REQUIRED.
- 12. THE CONTRACTOR SHALL PROVIDE TEMPORARY EROSION AND WATER CONTROL MEASURES (SUCH AS WATTLES, CHECK DAMS, WASHOUTS, AND SILT FENCES, ETC.) AS SHOWN ON THE EROSION CONTROL PLAN AND AS DIRECTED BY THE ENGINEER. THESE TEMPORARY MEASURES SHALL BE COORDINATED WITH THE PERMANENT EROSION CONTROL FEATURES TO ASSURE ECONOMICAL, EFFECTIVE, AND CONTINUOUS EROSION CONTROL THROUGHOUT THE PROJECT.

UTILITIES

- 13. LOCATIONS OF UTILITIES, PUBLIC AND/OR PRIVATE, ARE APPROXIMATE ONLY, AND THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. IT IS POSSIBLE THAT SOME EXISTING FACILITIES ARE NOT SHOWN ON THESE DRAWNGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING ALL UNDERGROUND UTILITY FACILITIES LOCATED AND MARKED PRIOR TO THE BEGINNING OF CONSTRUCTION.
- 14. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY OWNERS PRIOR TO INTERRUPTING ANY ELECTRICAL, COMMUNICATIONS, GAS, WATER, OR SEWER SERVICES. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY CUSTOMERS AT LEAST 24 HOURS BEFORE INTERRUPTING THE CUSTOMERS SERVICE. WHERE INDIVIDUAL SERVICES ARE TO BE DISCONTINUED FOR MORE THAN 4 HOURS, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR PROVIDING TEMPORARY SERVICE SATISFACTORY TO THE AFFECTED CUSTOMER. THE REPAIR OR REPLACEMENT OF UTILITY COMPONENTS SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF THE UTILITY OWNER. NO SEPARATE PAYMENT SHALL BE MADE FOR THESE ACTIVITIES, AND COMPENSATION, THEREFORE, SHALL BE INCLUDED IN THE CONTRACT PRICES FOR OTHER ITEMS.
- 15. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SHIFED ANTECOME PLANTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FOR FURNISHING SPECIAL EQUIPMENT SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

UTILITIES (CONTINUED)

- 16. IF ANY UTILITY IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER. REPAIR OF THE UTILITY SHALL THEN BE ACCORDING TO THE OWNER'S INSTRUCTIONS.
- 17. ALL CUTS AND FILLS SHALL BE IN PLACE, AND ALL FILLS COMPACTED, PRIOR TO THE INSTALLATION OF WATER LINES AND APPURTENANCES.
- 18. TRANSITION JOINTS ON PIPES OF DIFFERENT MATERIALS MUST BE APPROVED BY THE ENGINEER, AND CONSTRUCTION MUST BE DONE WITH APPROVED FITTINGS AND/OR ADAPTERS.
- 19. ALL PROPOSED PIPING AND MISCELLANEOUS APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, CONTRACT DRAWINGS, AND SPECIFICATIONS
- 20. WHERE WATER PIPE CROSSES THE SEWER MAIN, THE WATER PIPE WITHIN 10 FEET OF THE POINT OF CROSSING SHALL BE AT LEAST 18 INCHES ABOVE THE SEWER MAIN OR THE WATER PIPE SHALL BE ENCASED.
- 21. TOPS OF ALL BOXES SHALL BE RAISED FLUSH WITH FINISHED GRADES AND BE VISIBLE
- 22. THE WATER LINES SHALL BE TESTED AND APPROVED PER THE REQUIREMENTS OF THE SPECIFICATIONS.
- 23. THE CROWN OF THE WATER LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 36-INCHES BELOW THE EXISTING SURFACE WITHIN RIGHTS-OF-WAY AND 30-INCHES BELOW THE EXISTING SURFACE IN OTHER AREAS EXCEPT WHERE ADDITIONAL BURIAL IS NEEDED TO ACCOMMODATE INSTALLATION OF APPURTENANCES AND CROSSINGS.
- 24. THE CROWN OF THE WATER LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-INCHES LOWER THAN THE SURFACE OF ADJACENT ROADWAYS SO AS TO ALLOW FUTURE DRIVEWAY CUTS THAT WILL NOT IMPACT OR DISTURB THE WATER LINE.

- 25. THE ENGINEER SHALL HAVE THE AUTHORITY TO DESIGNATE AND/OR LIMIT AREAS OF CONSTRUCTION.
- 26. THE OWNER MAKES NO REPRESENTATIONS ABOUT SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR SHOULD SATISFY HIMSELF BY ON SITE INSPECTIONS, CORE DRILLINGS, OR OTHER METHODS OF THE SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED. THE RISK OF ENCOUNTERING AND CORRECTING UNFAVORABLE SUBSURFACE CONDITIONS SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- 27. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL FIELD LAYOUTS.
- 28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PAYMENT FOR TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND ORDERING APPROPRIATE TESTS AS REQUIRED.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF THE PROJECT WITHIN TEN (10) DAYS AFTER SUBSTANTIAL COMPLETION OF THE WORK.
- 30. SHOULD THERE BE A CONFLICT BETWEEN THESE GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS, THE MOST RESTRICTIVE INTERPRETATION IN FAVOR OF THE OWNER SHALL PREVAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY CLARIFICATION OR INTERPRETATION OF GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS, IN ADVANCE AND IN WRITING, FROM THE ENGINEER.
- 31. MAIN AND SERVICE LINE PIPING INCLUDING APPURTENANCES SHALL "PASS" PRESSURE TESTING PRIOR TO ANY PAYMENT BY THE OWNER FOR THOSE ITEMS.
- 32. ALL 2-INCH POLYETHYLENE PIPE SHALL BE CONTINUOUS WITH NO "BUTT FUSED" CONNECTIONS.

UTILITY OWNERS

300 NORTH ROANE STREET HARRIMAN, TN 37748 ELECTRIC - HEATH LEWIS (865) 719-9248 GAS, WATER, AND SEWER - JEFF MIZE (865) 755-4173

AT&T TENNESSEE 9733 PARKSIDE DRIVE KNOXVILLE, TN 37922 DAVID OVERMAN (865) 539-8579

XFINITY/COMCAST 5720 ASHEVILLE HIGHWAY KNOXVILLE, TN 37924 JT POPE (865) 862-5060





MAPPING INFORMATION (CONTOURS, PROPERTY LINES, ETC.) PROVIDED BY HARRIMAN UTILITY BOARD.



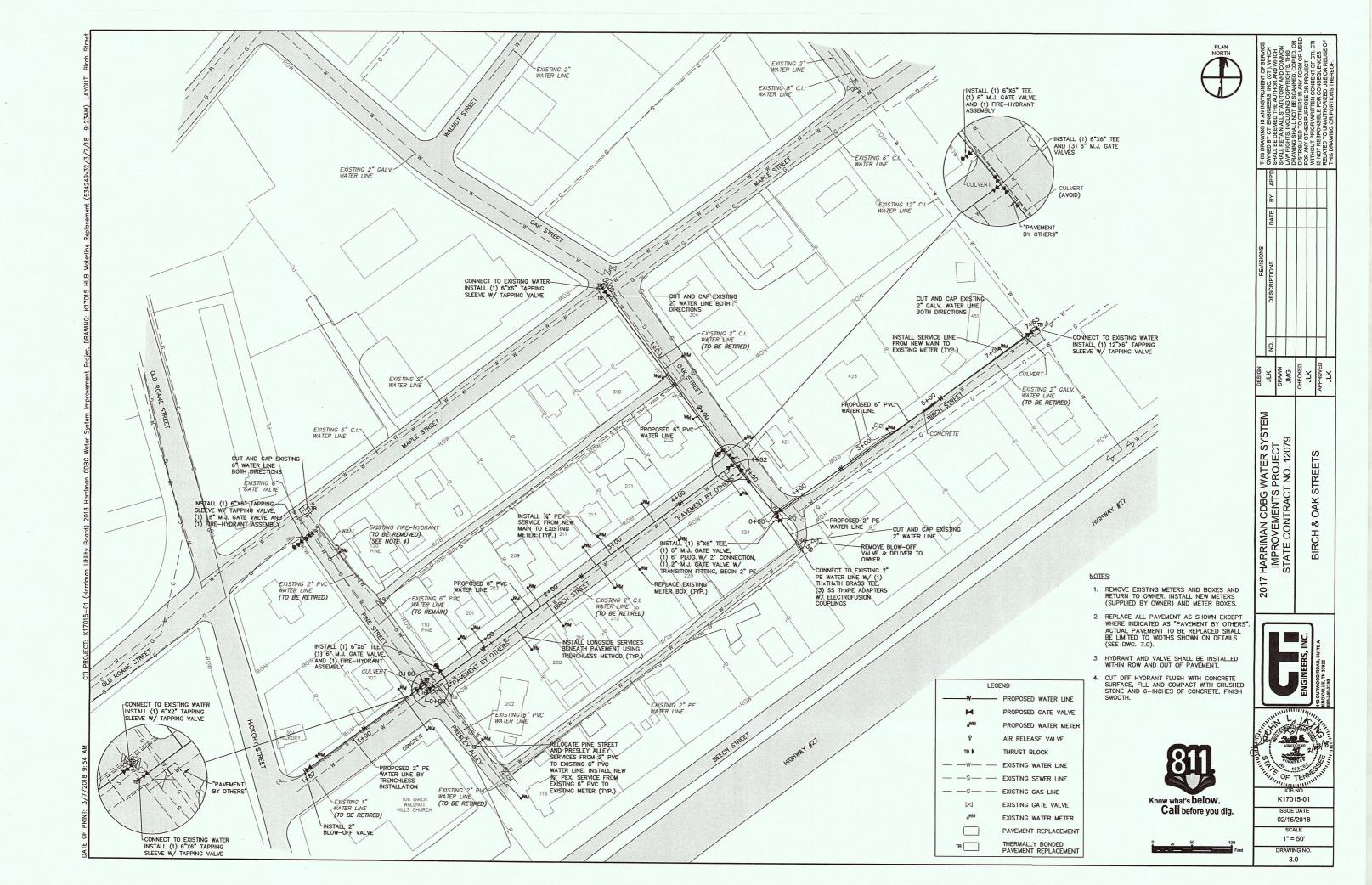


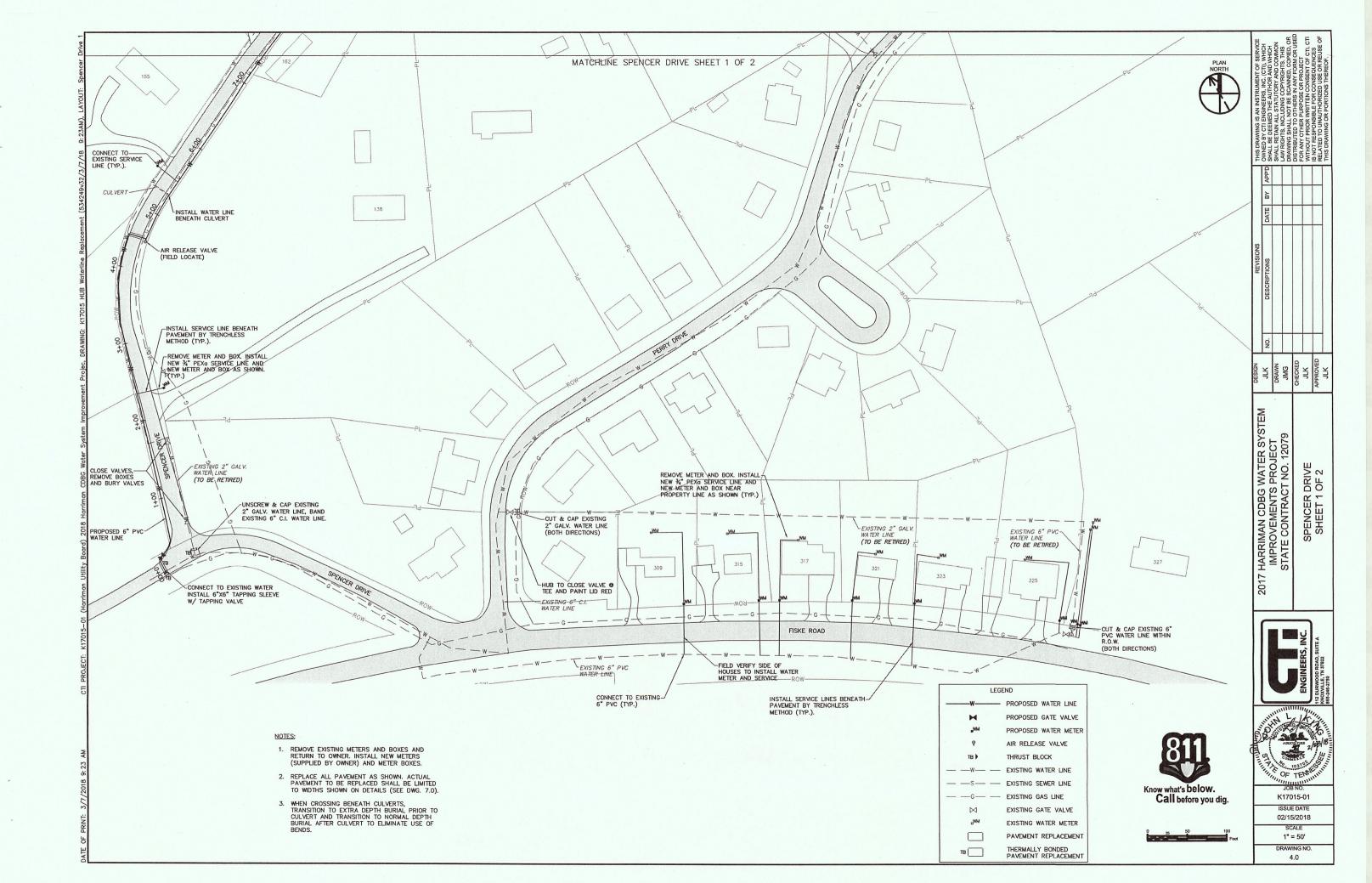
WATER SY PROJECT T NO. 12079

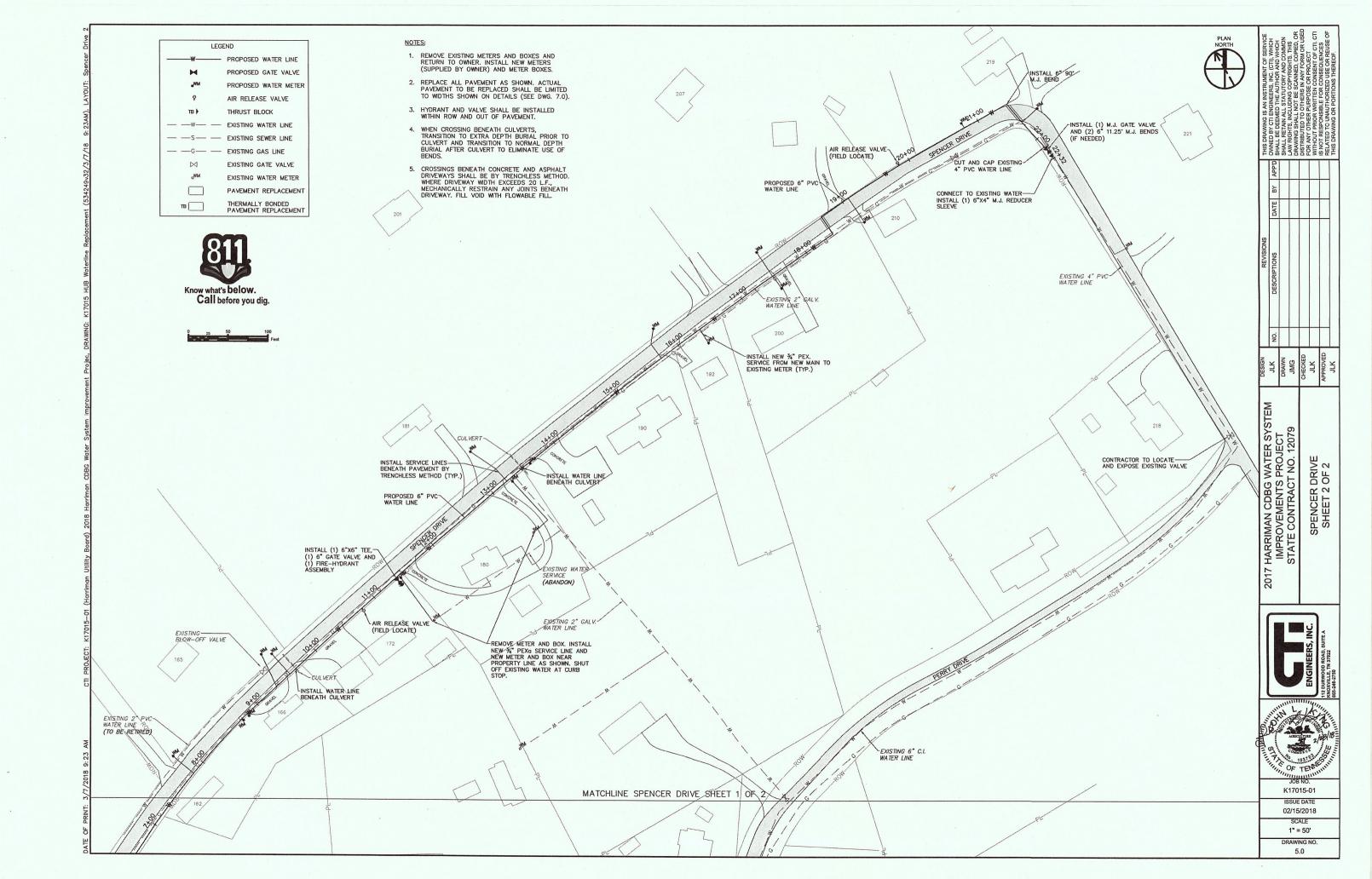
HARRIMAN CDBG W IMPROVEMENTS PI STATE CONTRACT N

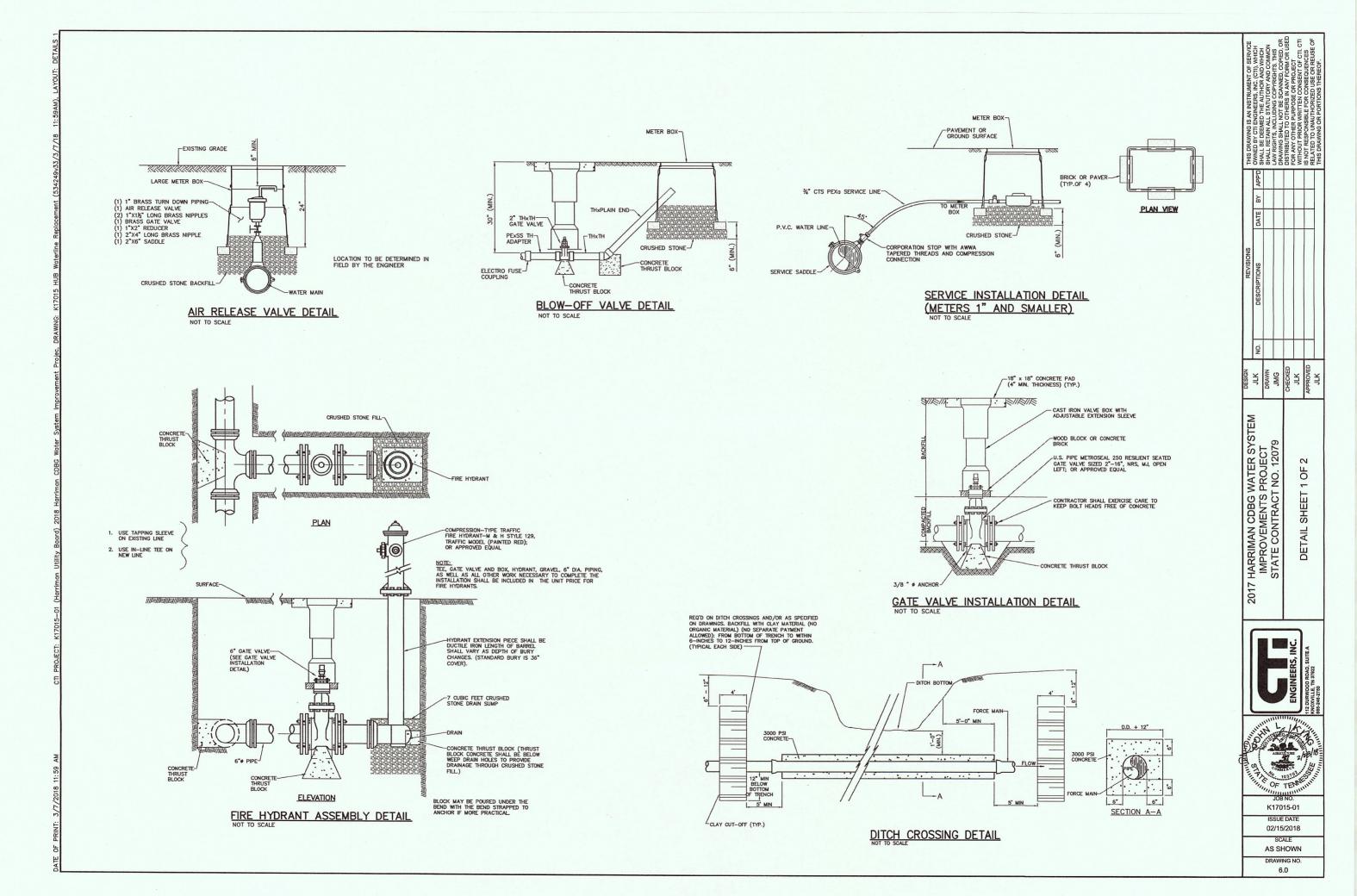
K17015-01 ISSUE DATE 02/15/2018 SCALE

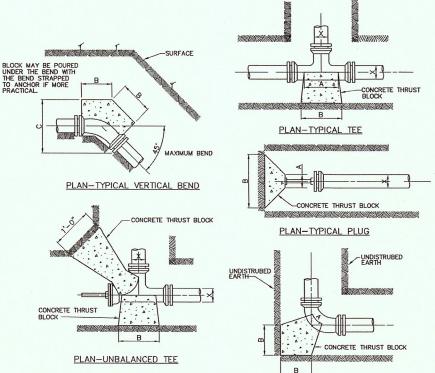
AS SHOWN DRAWING NO. 2.0



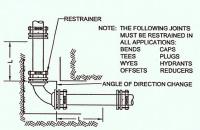








THRUST BLOCK DETAILS



					ING (FEET) *	
		Т	EST	PRES	SURE - 150 p	si
NOM.			ows			TEES,
PIPE	(DEG	REES)		VALVES,
SIZE (IN.)		00				DEAD-
	1111				REDUCERS	ENDS
3	2	4	9	21		44
4	2	5	10	25	17	52
6	3	7	14	35	38	74
8	5	9	19	46	40	96
	COM	MEN	TS A	ND A	SSUMPTIONS	:
The	tabul	ated v	ralues	show	vn were gener	ated
usin	g the	EBA#	Iron	Inc.	computer prog	ram.
Soil	Type:	W	orst C	ase		
		M	H Gra	nular	- For Elbows	
		ML	-Fo	Red	ucers, Tees,	
			Va	ves,	and Dead-end:	S.
			2 (0)		dded in 4-inch	
Tren	ich Ty	rpe:	3 (PI)			
Tren	ich Ty	pe:			loose soil. Ba	ckfill
Tren	ich Ty	pe:	min	imum		

ased on a reduction from the nominal pipe size to a pipe one-size smaller.

* MECHANICAL JOINTS SHALL BE RESTRAINED WITH ONE OF THE FOLLOWING, OR AN APPROVED EQUIVALENT. C900 (3"-12") AND C905 (14"- 24") PIPE - EBAA SERIES 2000PV OR UNI-FLANGE SERIES 1500-CA ASTM D2241 IPS OD PIPE - EBAA SERIES 2000P OR UNI-FLANGE SERIES 1500-SA

PLAN-TYPICAL HORIZONTAL BEND

PUSH ON JOINTS SHALL BE RESTRAINED WITH ONE OF THE FOLLOWING, OR AN APPROVED ONE OF THE FOLLOWING, OR AN APPROVED EQUIVALENT:
C900 (3*-12*) PIPE - EBAA SERIES 1600 OR UNI-FLANGE 1390-C
ASTM D2841 IPS OD PIPE - EBAA SERIES 6500 OR UNI-FLANGE 1390-S

MECHANICALLY RESTRAINED JOINTS GENERAL NOTES:

1. THE RESTRAINED LENGTHS SHOWN IN THE TABLE ASSUME A WORST CASE SOIL CONDITION FOR THE BEDDING CONDITION AND DESIGN

CASE SOIL CONDITION FOR THE BEDDING CONFORMANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.

3. PIPE JOINTS WITHIN CASING PIPES WILL BE RESTRAINED BUT PIPE LENGTHS WITHIN CASING PIPES WILL NOT BE CONSIDERED IN THE TOTAL LENGTH OF RESTRAINED PIPE.

RESTRAINED PIPE.

1."L' IN THE TABLE INDICATES THE MINIMUM LENGTH (IN FEET) TO BE RESTRA
ON EACH SIDE OF THE RESPECTIVE FITTING LISTED.

5. THE FOLLOWING ARE THE PROCEDURES FOR DETERMINING THE MINIMUM
DESCRIPTION OF THE PROPERTY AND EXTREMENTAL PROPERTY.

THE FOLLOWING ARE THE PROCEDURES FOR DETERMINING THE MINIMUM RESTRAINED LENGTHS WHEN INSTALLING BENDS AND FITTINGS.

A. WHERE HORIZONTAL NON-ENCROACHING BENDS ARE ENCOUNTERED, USE "L" AS SHOWN IN THE TABLE.

B. WHERE HORIZONTAL RESTRAINED LENGTHS ENCROACH, RESTRAIN ALL JOINTS BETWEEN BENDS (OR FITTINGS) AND MULTIPLY "L" BY 1.5 FOR NEW RESTRAINED LENGTH OPPOSITE THE FULLY RESTRAINED SECTION OF PIPING. C. WHERE VERTICAL UP BENDS ARE ENCOUNTERED, USE "L" AS SHOWN IN TABLES.

TABLES.

D. WHERE VERTICAL DOWN BENDS ARE ENCOUNTERED, MULTIPLY "L" BY 1.5 FOR NEW RESTRAINED LENGTH.

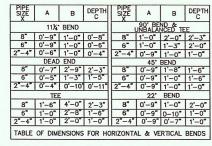
E. WHERE VERTICAL BENDS ENCROACH, RESTRAIN ALL JOINTS BETWEEN BENDS FOR VERTICAL UP BENDS MULTIPLY "L" BY 1.5 AND FOR VERTICAL DOWN BENDS, MULTIPLY "L" BY 2.5 FOR NEW RESTRAINED LENGTHS OPPOSITE THE FULLY RESTRAINED SECTION OF PIPE.

G. THE RESTRAINED LENGTHS SHOWN FOR REDUCERS ARE BASED ON A REDUCTION OF PIPE SHOWN FOR THE PIPE ARE DOWN IS THE PIPE OF THE

ENCROACHING: WHERE FITTINGS ARE INSTALLED AT LOCATIONS CLOSE ENOUGH TO ONE ANOTHER WHERE THE CALCULATED MINIMUM RESTRAINED LENGTHS OVERLAP.

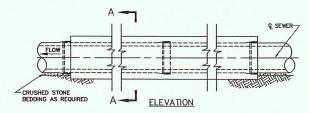
NON ENCROACHING: WHERE FITTINGS ARE INSTALLED AT LOCATIONS WHERE THE CALCULATED MINIMUM RESTRAINED LENGTHS DO NOT OVERLAP.

MECHANICALLY RESTRAINED JOINT DETAIL FOR PVC PIPE

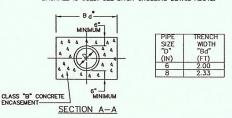


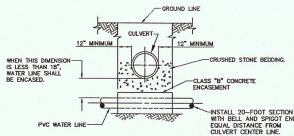
NOTE: ALL CONCRETE FOR THRUST BLOCKS SHALL BE READY—MIXED 3000 psi (MINIMUM) CLASS "B". MIX DESIGN SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO USE. THRUST BLOCKS BASED ON 225 psi & 2000b/ft2 SOIL RESISTANCE TYPICAL FOR UNDISTURBED SAND AND GRAVEL CEMENTED WITH CLAY, FOR OTHER SOILS THE BEARING FACE OF THE THRUST BLOCKS SHOULD BE INCREASED BY THE FOLLOWING FACTORS.

SAND 2 SAND & GRAVEL 1.33 SHALE 0.4 SOFT CLAY, MUCK AND PEAT SHALL USE RESTRAINED JOINTS IN LIEU OF THRUST BLOCKS.

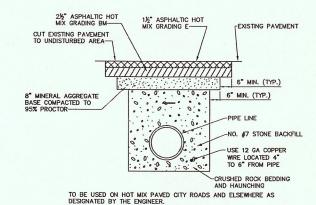


CLAY CUT-OFFS SHALL BE CONSTRUCTED AT MINIMUM 500-FOOT INTERVALS ALONG PIPELINE WHERE CRUSHED ROCK EMBEDMENT AND/OR BACKFILL IS USED. SEE DITCH CROSSING DETAIL ABOVE. NOTE:

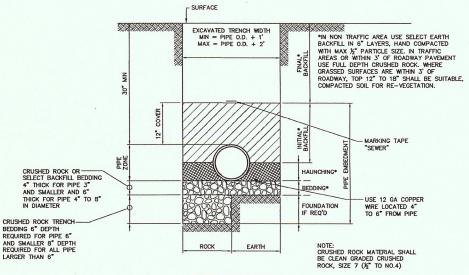




CONCRETE ENCASEMENT



ASPHALT PAVEMENT REPLACEMENT DETAIL



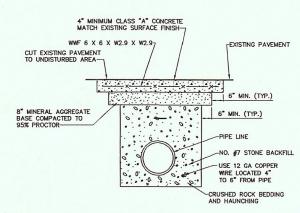
PIPE BEDDING

PAVING NOTES

1. COST OF SAW CUTTING, COMPACTING, MINERAL
AGGREGATE, HOT MIX, ETC. TO BE INCLUDED IN THE UNIT
PRICE FOR ASPHALT OR OTHER PAVEMENT REPLACEMENT
IN THE BID SCHEDULER

2. IT IS THE INTENTION OF THE OWNER TO INSTALL ALL LINES OUT OF PAVEMENT IF POSSIBLE, IN ROAD SHOULDERS OF DITCHES; IF LINE IS INSTALLED UNDER PAVEMENT FOR CONVENIENCE OF CONTRACTOR, NO SEPARATE PAYMENT WILL BE MADE FOR EXTRA PAVEMENT AND CRUSHED ROCK BACKFILL REQUIRED.

3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ROAD CUT PERMITS PRIOR TO CUTTING ROADWAY PAVEMENTS.



TO BE USED ON CONCRETE DRIVEWAYS AND ELSEWHERE AS DESIGNATED BY THE ENGINEER.

CONCRETE PAVEMENT REPLACEMENT DETAIL



7.0

吊司

CDBG V MENTS VTRACT

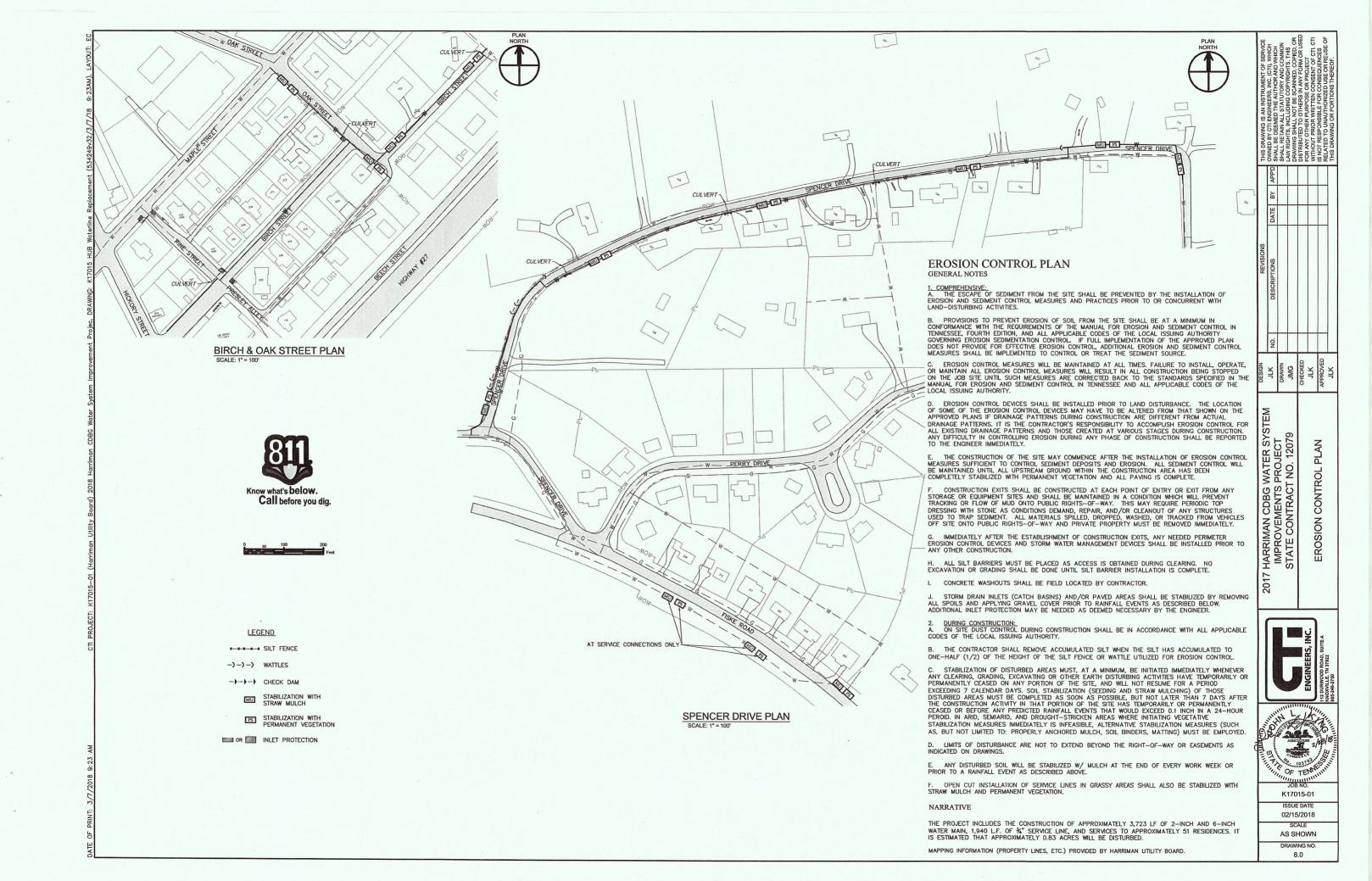
HARRIMAN (IMPROVEN

N

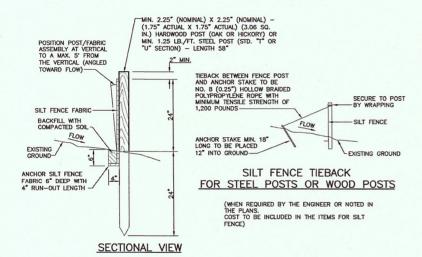
PF

7

SHEET



ELEVATION VIEW



SILT FENCE



			RATE (LB/ACRE)			
AREA	SOWING SEASON	SPECIES	SEED	FERTILIZER (10-10-10)	LIMESTONE	
ALL	MAY 1 - AUG. 15	OATS BROWN TOP MILLET	60 30	750	2,000	
ALL	AUG. 15 - DEC. 30	OATS WINTER WHEAT	30 30			

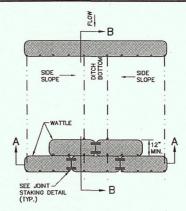
NOTES: 1. APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL.

2. REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

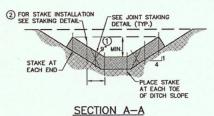
	RATE (LB/ACRE)				
AREA	SOWING SEASON	SPECIES	SEED	FERTILIZER (6-12-12)	LIMESTONE
FLAT TO ROLLING TERRAIN WITH SLOPES LESS THAN 3:1	MAR. 1 - JUNE 1	KENTUCKY 31 FESCUE LADINO WHITE CLOVER*	200-400 10-20	1,350	4,300
	AUG. 1 – NOV. 1	KENTUCKY 31 FESCUE LADINO WHITE CLOVER* ANNUAL RYEGRASS	200-400 10-20 100-160		
EMBANKMENTS WITH SLOPES GREATER THAN 3:1	MAR. 1 – JUNE 1	KENTUCKY 31 FESCUE WEEPING LOVEGRASS	140 15		
	AUG. 1 - NOV. 1	KENTUCKY 31 FESCUE ANNUAL RYEGRASS	140 90		

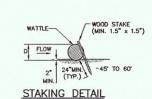
NOTES: 1. APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL.

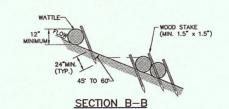
2. REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.



PLAN VIEW FOR DITCH APPLICATION



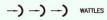


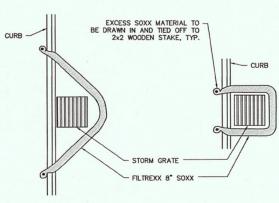


- 1 THE DEPTH AND WIDTH OF THE WEIR SECTION OF THE WATTLE SHALL BE DESIGNED TO PASS THE 2yr/24hr OR 5yr/24hr STORM EVENT WITHOUT OVERTOPPING THE CHANNEL.
- 2) STAKE PER MANUFACTURERS RECOMMENDATIONS

LEGEND







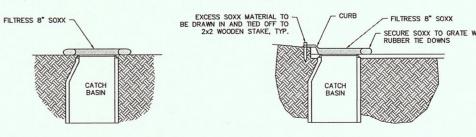
DRAIN INLET PLAN

WIRE TIES, (TYP)

FILTRESS 8" SOXX

CURBSIDE OPTION "A" PLAN

CURBSIDE OPTION "B" PLAN



DRAIN INLET SECTION

CURBSIDE SECTION

NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.

2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.

3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

INLET PROTECTION

LEGEND INLET PROTECTION





HARRIMAN CDBG WATER SYSTEM IMPROVEMENTS PROJECT STATE CONTRACT NO. 12079

OF TEN K17015-01

ISSUE DATE 02/15/2018 SCALE

AS SHOWN DRAWING NO. 9.0