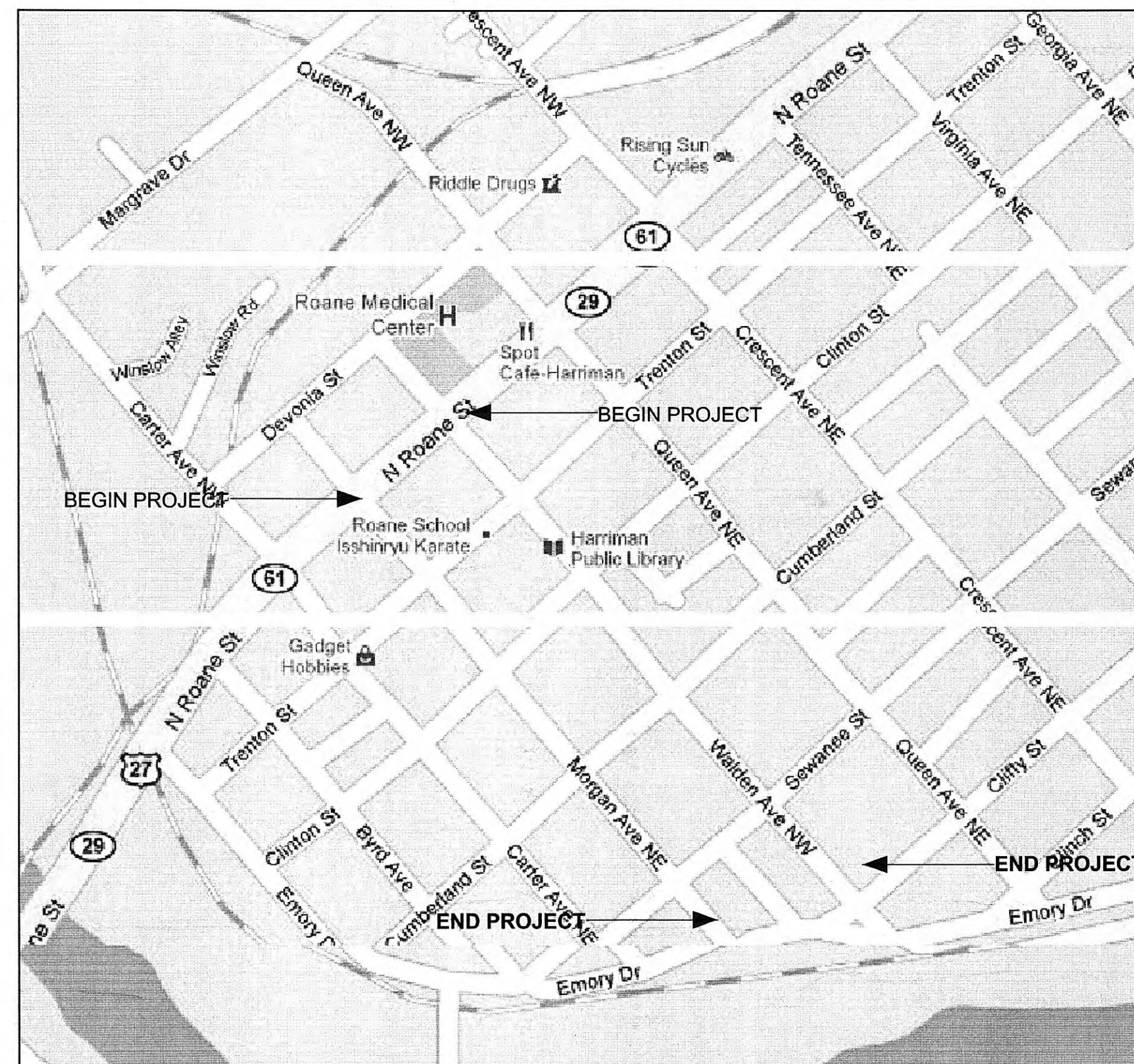
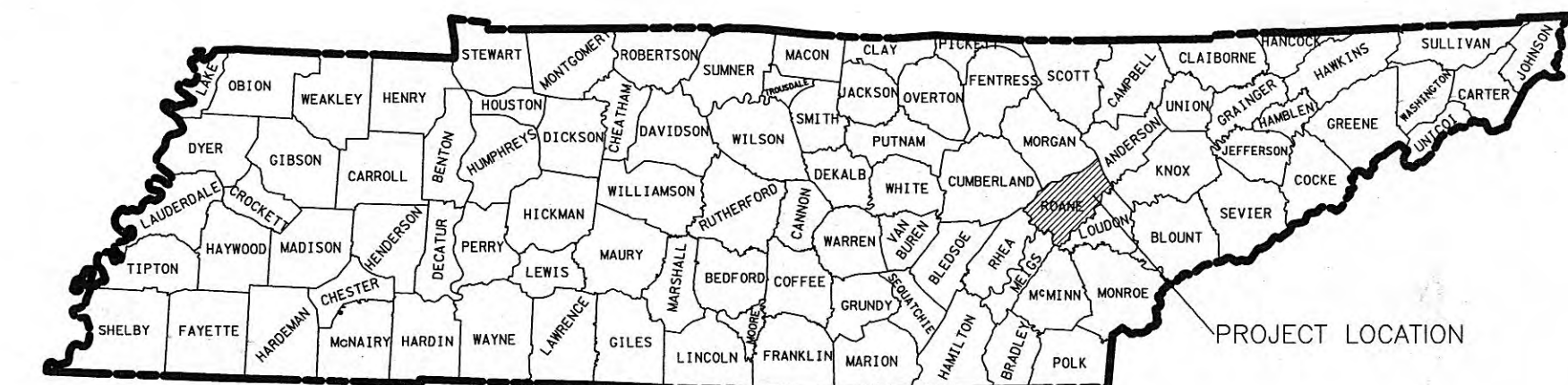


FED. AID PROJ. NO.: STP-EN/M-9105 (18)
STATE PROJ. NO.: 73LPLM-F3-009
PIN NO.: 106947.01
LOCALLY MANAGED PROJECT
LOCALLY LET PROJECT

CORNSTALK HEIGHTS HISTORIC DISTRICT

LIGHTING AND PEDESTRIAN TRAIL

CITY OF HARRIMAN, TENNESSEE



VICINITY MAP - NTS

ORIGINAL SURVEY APRIL 2011

INDEX OF SHEETS

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G1.0	COVER SHEET
GN1.0	GENERAL NOTES
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C2.0	PRESENT & PROPOSED LAYOUT
D1.0	TYPICAL SECTIONS AND DETAILS
D2.0	LIGHTING TYPICAL SECTIONS, DETAILS AND SCHEDULE

TDOT STD ROADWAY & STRUCTURAL DWGS

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RD-A-1	12-18-99	ROADWAY DESIGN STANDARDS
RD-L-1	10-26-94	STANDARD ABBREVIATIONS
		STANDARD LEGEND
		ROADWAY & PAVEMENT APPURTENANCES
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CITY OF HARRIMAN

CHRIS MASON - MAYOR
BOBBY TIDWELL - CITY COORDINATOR

APPROVED:

CITY OF HARRIMAN

DATE:



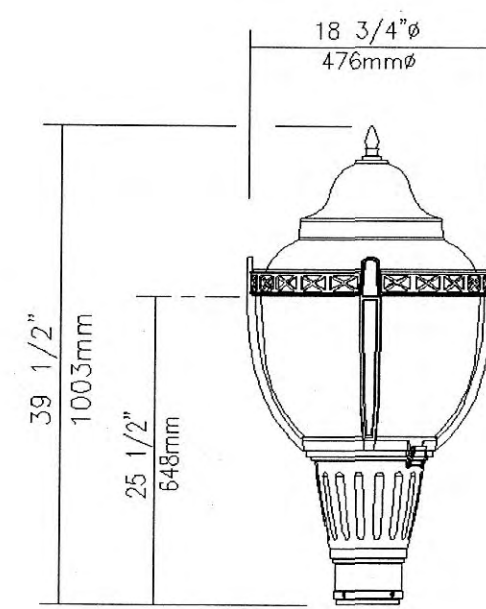
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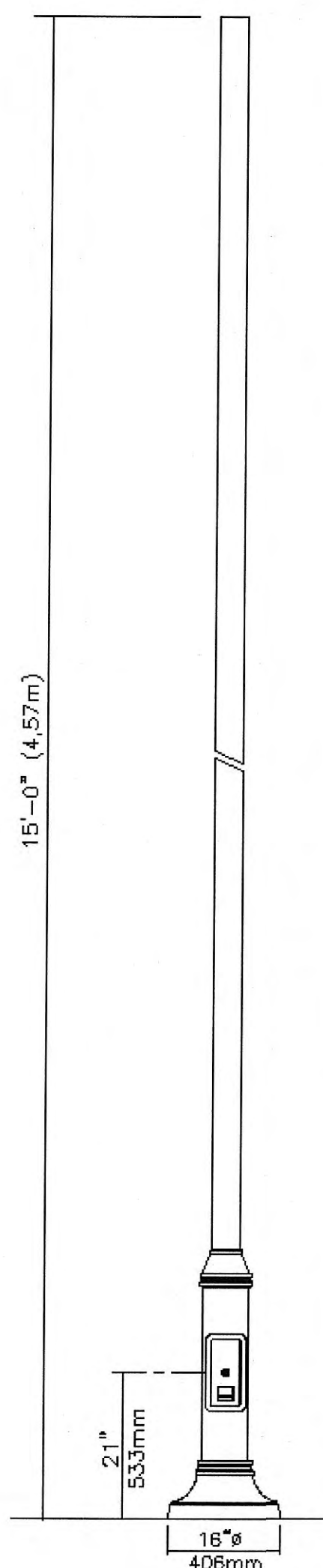
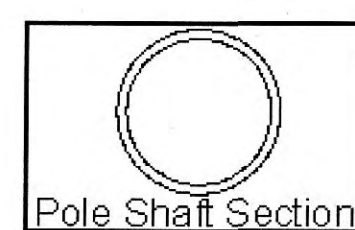
237 W Northfield Blvd., Suite 200
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REVISIONS

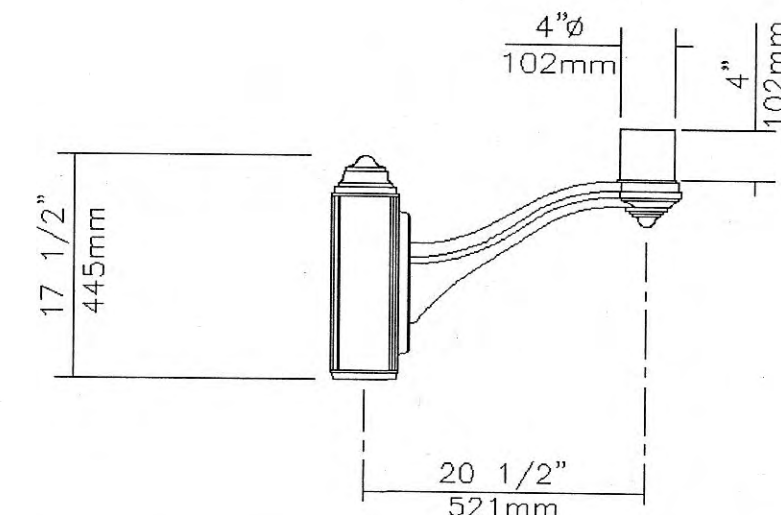
SHEET NO.
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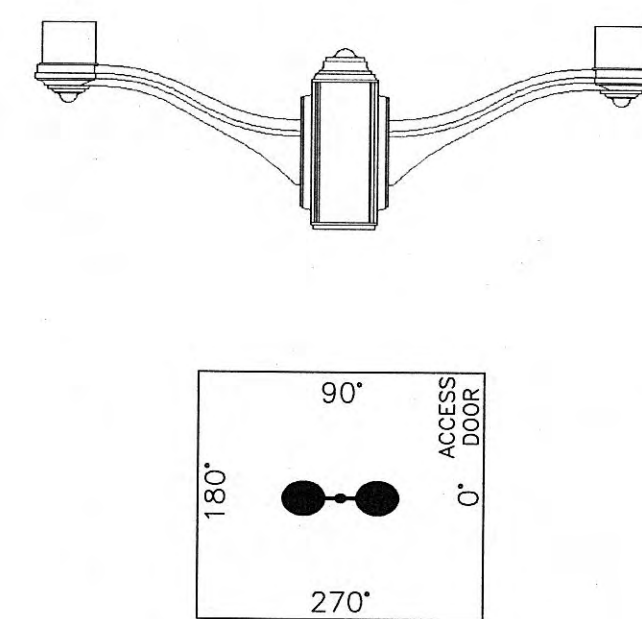
LUMINAIRE



POLE

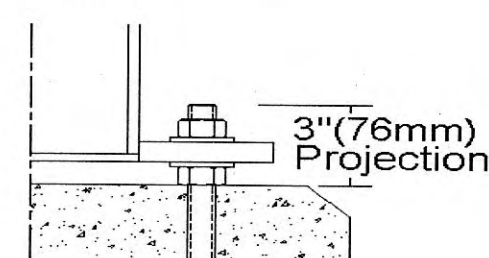


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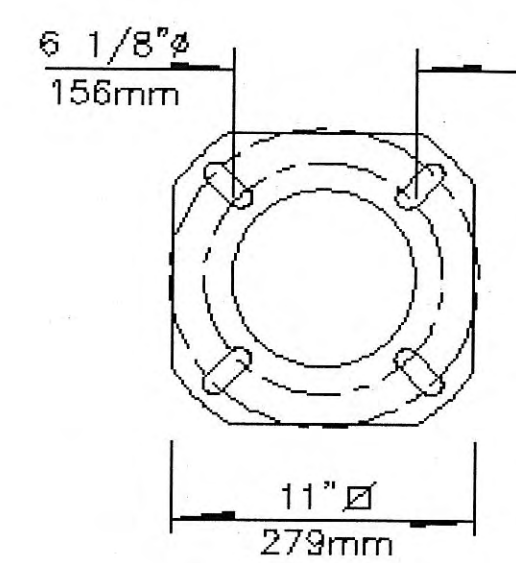


BRACKET
CONFIGURATION

COMES WITH 4 STEEL ANCHOR BOLTS, 3/4"x17" +3",
8 NUTS AND 8 WASHERS. IMPORTANT: DO NOT
OBSTRUCT SPACE BETWEEN ANCHOR PLATE AND
CONCRETE BASE.



BASE AND BOLTS
INFORMATION

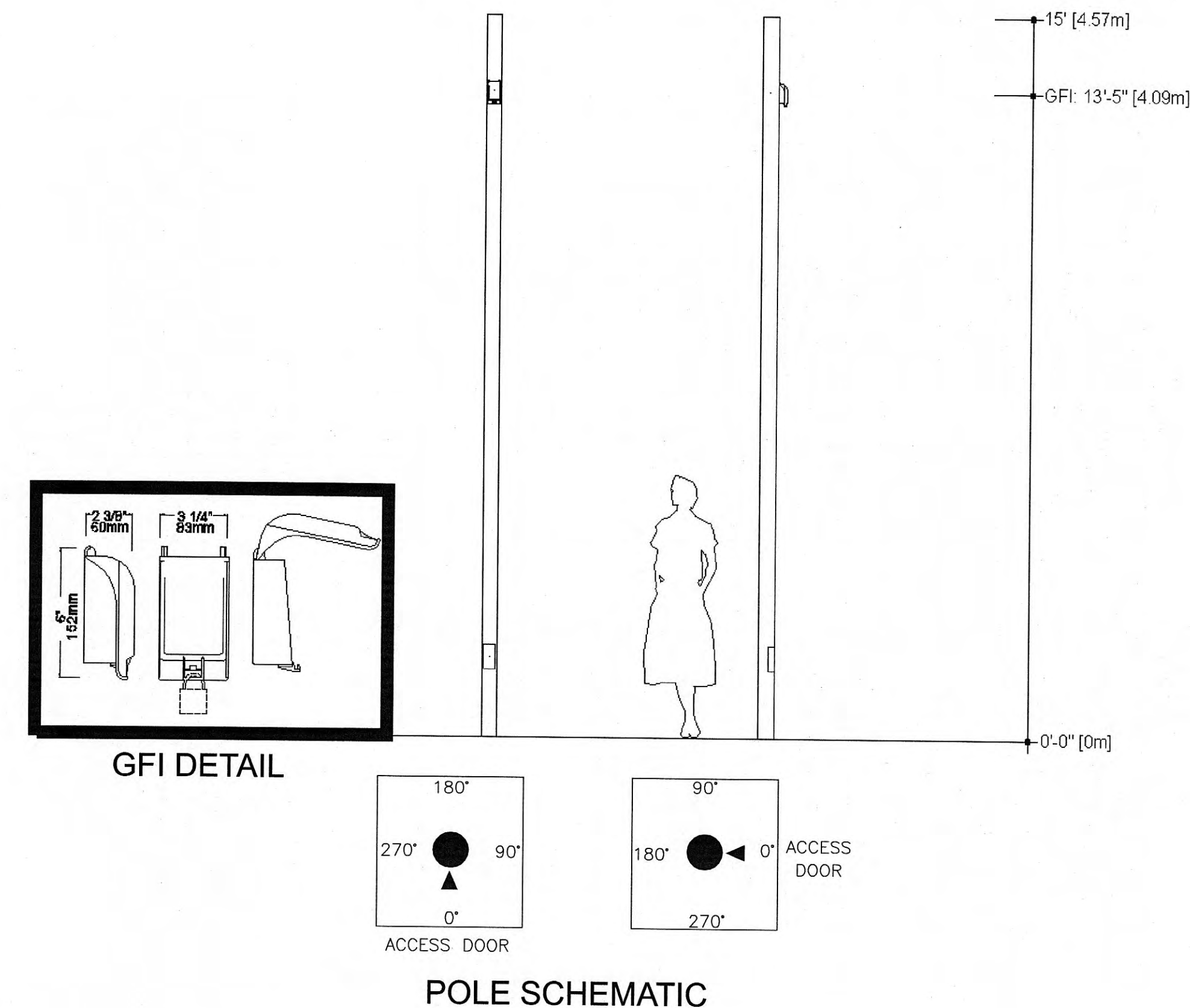


ANCHOR PLATE

BC
10 1/2" (267mm)

THICKNESS
3/4" (19mm)

NOTE:
BOLT CIRCLE ALLOWED:
9" TO 11"
229mm to 279mm



LIGHTING TABLE						
LIGHT NUMBER	NORTH	EAST	STATION	OFFSET	LIGHT TYPE	MOUNTING HEIGHT (LUMINAIRE)
L1	585609.9279	2397055.1065	101+20.47	34.98' (RT)	SINGLE	17'
L2	585462.6624	2397188.0327	103+18.86	34.96' (RT)	SINGLE	17'
L3	585411.9835	2397241.8682	103+92.55	28.95' (RT)	SINGLE	17'
L4	585325.5511	2397321.4786	105+10.05	27.76' (RT)	SINGLE	17'
L5	585255.5040	2397384.7051	106+04.42	27.75' (RT)	SINGLE	17'
L6	585158.7118	2397470.0000	107+33.42	29.28' (RT)	SINGLE	17'
L7	585032.1080	2397584.5558	109+04.16	29.06' (RT)	SINGLE	17'
L8	584920.2883	2397685.7671	110+54.98	28.84' (RT)	SINGLE	17'
L9	584816.8721	2397778.5060	111+93.89	29.28' (RT)	SINGLE	17'
L10	584750.7837	2397838.2268	112+82.96	29.23' (RT)	SINGLE	17'
L11	584653.1018	2397926.5808	114+14.67	29.08' (RT)	SINGLE	17'
L12	584574.8162	2397997.5674	115+20.35	28.83' (RT)	SINGLE	17'
L13	584480.0124	2398082.9833	116+47.96	28.94' (RT)	SINGLE	17'
L14	584389.9186	2398164.0728	117+69.17	29.10' (RT)	SINGLE	17'
L15	585836.4412	2397446.8881	202+14.38	27.54' (LT)	SINGLE	17'
L16	585747.8508	2397525.1875	203+32.61	26.28' (LT)	SINGLE	17'
L17	585706.9313	2397562.3836	203+87.91	24.46' (LT)	SINGLE	17'
L18	585612.9763	2397647.3426	205+14.58	26.54' (LT)	SINGLE	17'
L19	585501.6319	2397747.6959	206+64.47	26.40' (LT)	SINGLE	17'
L20	585394.3092	2397808.5754	207+84.93	0.00'	DOUBLE	17'
L21	585287.7706	2397904.7403	209+28.45	0.00'	DOUBLE	17'
L22	585173.1562	2398008.1562	210+82.85	0.00'	DOUBLE	17'
L23	585036.4956	2398132.1229	212+67.33	0.00'	DOUBLE	17'
L24	584923.8839	2398233.6996	214+18.98	0.00'	DOUBLE	17'
L25	584818.0266	2398329.0397	215+61.45	0.00'	DOUBLE	17'
L26	584698.5282	2398436.9634	217+22.47	0.00'	DOUBLE	17'
L27	584587.6370	2398537.0571	218+71.85	0.00'	DOUBLE	17'
L28	584468.2143	2398644.8516	220+32.73	0.00'	DOUBLE	17'

NOTE: THE SCHEDULE POLES MAY BE ADJUSTED UP TO 5 FOOT TO AVOID CONFLICTS.
COORDINATE WITH ENGINEER FOR MORE THAN 5 FOOT.

REVISIONS

CORNSTALK HEIGHTS HISTORIC DISTRICT
LIGHTING AND PEDESTRIAN TRAIL
LIGHTING TYPICAL SECTIONS, DETAILS AND SCHEDULE
CITY OF HARRIMAN, TENNESSEE

DATE OCT 2011
DRAWN BY DKH
CHECKED BY CEC
SCALE NTS
PROJECT NO. 10-11-201
FILE 10-11-201\TRANSPORTATION\ SHEETS\02.D.SHT

Wiser
inventive. answers.
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PRELIMINARY

SHEET NO.
D2.0

GENERAL NOTES

1. THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF TENNESSEE DEPT. OF TRANSPORTATION, DATED MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.
2. ALL CONSTRUCTION SHALL CONFORM WITH THE REQUIREMENTS OF TDOT DESIGN GUIDELINES, UNLESS SPECIFIED OTHERWISE. ANY APPARENT CONFLICTS BETWEEN THESE PLANS AND THE CITY'S REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER WHEN DISCOVERED BY THE CONTRACTOR. ADDITIONALLY, ALL CONSTRUCTION SHALL COMPLY WITH THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK, MARCH 2002. COPIES OF THIS DOCUMENT CAN BE OBTAINED FROM THE FOLLOWING: DIVISION OF WATER QUALITY CONTROL, 401 CHURCH STREET, SIXTH FLOOR, NASHVILLE, TN 37243-1534 (615) 532-0625, OR ONLINE.
3. IN TENNESSEE, IT IS A REQUIREMENT PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT" THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN 3 NOR MORE THAN 10 WORKING DAYS OF THEIR INTENT TO EXCAVATE. A LIST OF THESE UTILITIES MAY BE CONTAINED FROM THE COUNTY. THE TENNESSEE ONE CALL SYSTEM CAN BE NOTIFIED BY CALLING TOLL FREE 1-800-351-1111.
4. PROPERTY ADJACENT TO THE SITE OF LAND DISTURBANCE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION. THIS MAY BE ACCOMPLISHED BY PRESERVING A WELL VEGETATED STRIP AROUND THE LOWER PERIMETER OF THE LAND DISTURBANCE, BY INSTALLING CONTROLS SUCH AS SEDIMENT BARRIERS, SEDIMENT BASINS, SILT FENCE OR A COMBINATION OF SUCH.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEBRIS, MATERIAL AND RUBBISH RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL PROCEDURES SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
6. A GRADING PERMIT ISSUED BY THE CITY OF HARRIMAN IS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
7. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS, CLEARANCES, ETC. BEFORE ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF SURVEY CONTROL AND EXISTING MONUMENTS, ANY DAMAGED MONUMENTS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR SHALL TAKE CARE TO PROTECT ANY UTILITIES, TREES, ROADS, OR OTHER FACILITIES INTENDED TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY.
10. THE CONTRACTOR SHALL MAINTAIN CONTROL OVER THE PROJECT SITE UNTIL ACCEPTANCE BY THE CITY OF HARRIMAN AND WILL BE HELD RESPONSIBLE FOR SAFETY AT THE SITE UNTIL ACCEPTANCE.
11. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK AND THE PUBLIC, INCLUDING BARRICADES, FENCING, WARNING SIGNS, ETC.
12. FOUND ITEMS DURING CONSTRUCTION ARE THE PROPERTY OF THE OWNER, THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, AND ARTIFACTS.
13. THE CONTRACTOR SHALL FURNISH THE WORK COMPLETE AND READY FOR USE.

CLEARING AND GRUBBING

1. CLEARING AND GRUBBING SHALL BE LIMITED TO THE MINIMUM WIDTH REQUIRED FOR CONSTRUCTION OF THE WALKWAY AND APPURTANCES, INCLUDING SLOPES AND DRAINAGE. THE TYPICAL CLEARING WIDTH SHALL BE 6 FEET WIDE, CENTERED ON THE TRAIL. ADDITIONAL AREA MAY BE CLEARED AS REQUIRED AT DRAINAGE STRUCTURES, BRIDGES, ETC.
2. TOPSOIL SHALL BE STORED ON-SITE IN LOCATIONS APPROVED BY THE OWNERS REPRESENTATIVE. TOPSOIL STORAGE AREAS SHALL BE INCLUDED IN THE EXTENTS OF EROSION CONTROL MEASURES.
3. ANY AREA THAT IS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
4. THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF CITY OWNED PROPERTY IN A REGULATORY FLOODWAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA). ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATER COURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.
5. WOOD DEBRIS TO BE CHIPPED AND STOCKPILED AS DIRECTED BY THE CITY. EXCESS WOOD MAY BE BURNED WITH PRIOR APPROVAL BY THE CITY OF HARRIMAN.
6. ALL EXISTING CONC SIDEWALK AND ADA RAMPS SHOULD BE REMOVED FROM THE PROJECT AREA UNLESS OTHERWISE NOTED AND DISPOSED OF PROPERLY.

GRADING

1. DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 3 INCHES OF TOPSOIL PRIOR TO PERMANENT SEEDING.

LIGHTING

1. INSTALLATION OF MATERIALS SHALL COMPLY WITH SECTIONS 714 AND 917 OF THE TENNESSEE DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED MARCH 1, 2006 AND WITH THE LATEST REVISIONS TO THE NATIONAL ELECTRIC CODE, NFPA 70.
2. ALL LUMINAIRES, POLES, MOUNTING BRACKETS AND POLE BASES WILL COMPLY WITH THE CITY OF HARRIMAN'S LIGHTING STANDARDS.
3. ALL WIRING SHALL BE CONCEALED UNDERGROUND IN 2-INCH SCHEDULE 40 PVC RIGID CONDUIT.
4. THE GROUND WIRE SHALL BE RUN INSIDE CONDUIT WITHIN STRUCTURES, SHALL BE COLORED GREEN AND HAVE THW INSULATION.
5. EXISTING FOUNDATIONS TO BE REMOVED A MINIMUM OF 6 INCHES BELOW GRADE. COST OF REMOVING FOUNDATIONS TO BE INCLUDED IN CLEARING AND GRUBBING.
6. ALL INCIDENTAL EQUIPMENT AND MATERIAL REQUIRED FOR THE SUCCESSFUL EXECUTION OF THIS WORK SHALL BE FURNISHED IN 714 ITEMS WHETHER SPECIFICALLY NOTED OR NOT.

SURVEY NOTES

1. PROJECT IS SHOWN ON TN STATE PLANE COORDINATES, NAD83 SPECIFICATIONS.

EROSION CONTROL NOTES

1. CONTRACTOR SHALL PERFORM EROSION CONTROL IN ACCORDANCE WITH TDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 209" CURRENT EDITION. ALL COST ASSOCIATED WITH EROSION CONTROL WILL NOT BE PAID FOR DIRECTLY BUT INCLUDED IN THE COST OF OTHER ITEMS.
2. ANY DISTURBED AREAS TO REMAIN EXPOSED FOR MORE THAN 15 DAYS SHALL BE SEEDED AND MULCHED WITH A TEMPORARY COVER. SEE TDOT SPECIFICATIONS FOR SEED MIX, FERTILIZER TYPES, AND RATES OF APPLICATION.
3. STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS, ENTER NEARBY STREAMS OR STORM INLETS.

SEEDING AND SODDING

1. ALL DISTURBED AREAS SHALL RECEIVE 3 INCHES OF TOPSOIL IN ACCORDANCE WITH SECTION 203 OF THE TDOT STANDARD SPECIFICATIONS.
2. SEEDING SHALL BE IN ACCORDANCE WITH SECTION 801 OF THE TDOT STANDARD SPECIFICATIONS.
3. SOD SHALL BE PLACED AT LOCATIONS AS DIRECTED BY THE CITY, IF NECESSARY.

LITTER, DEBRIS, WASTE, PETROLEUM

1. THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS, EQUIPMENT, UNUSED MATERIAL, AND TRASH FROM THE SITE AT THE COMPLETION OF THE PROJECT. THE SITE SHALL BE CLEAN AND READY FOR USE AT THE TIME OF FINAL ACCEPTANCE BY THE CITY OF HARRIMAN.
2. THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S.. ALL EQUIPMENT REFUELING, SERVING AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

RIGHT-OF-WAY

1. ALL CONSTRUCTION FOR THIS PROJECT LIES WITHIN PROPERTIES OWNED BY THE CITY OF HARRIMAN.
2. CONTRACTOR ACCESS TO AREAS ADJACENT TO THE PROJECT MAY BE LIMITED. STAGING AREAS, TOPSOIL AND MATERIAL STORAGE AREAS, AND LIMITS OF CONSTRUCTION SHALL BE ESTABLISHED AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST EDITION OF PART 6 OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. SIGNS WHICH ARE NOT APPLICABLE OR ARE OTHERWISE INAPPROPRIATE FOR THE CURRENT SITE CONDITIONS SHALL BE COVERED OR REMOVED.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PUBLIC FACILITIES DURING CONSTRUCTION. OPEN ROADWAYS, DRIVES, AND PARKING AREAS SHALL BE KEPT CLEAN AND FREE OF CONSTRUCTION DEBRIS, DIRT, LOOSE GRAVEL, OR OTHER MATERIALS THAT MAY BECOME A ROADWAY HAZARD.
4. TRAFFIC CONTROL DEVICES SHALL MEET THE STANDARD MATERIAL AND INSTALLATION REQUIREMENTS OF THE TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
5. ROADWAYS AND DRIVEWAYS SHALL REMAIN OPEN DURING CONSTRUCTION.
6. USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FEET SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
7. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT ON ROADWAYS OR PARKING AREAS DURING PERIODS OF INACTIVITY. LONG TERM MATERIAL OR EQUIPMENT STORAGE SHALL BE LIMITED TO DESIGNATED AREAS.

PRESERVATION OF TREES ON CONSTRUCTION SITE

1. ROOT PRUNING SHALL BE PERFORMED ADJACENT TO ALL EXCAVATION NEXT TO THE CRITICAL ROOT ZONE TO A DEPTH OF 24 INCHES WITH A SHARP TRENCHEER OR AN AIRSPADE. ROOTS 1 INCH AND LESS IN DIAMETER SHOULD BE PRUNED WITH A SHARP BYPASS TYPE LOPPER. ROOTS GREATER THAN 1 INCH IN DIAMETER SHOULD BE PRUNED WITH A SHARP PRUNING SAW. THE TRENCH CREATED BY THE ROOT PRUNING SHALL BE BACKFILLED AS SOON AS POSSIBLE WITH TOPSOIL.
2. ALL EQUIPMENT OPERATION, PARKING, SERVICING AND REFUELING SHOULD BE LOCATED AS FAR AWAY FROM THE CRITICAL ROOT ZONE OF PROTECTED TREES AS POSSIBLE. CEMENT TRUCKS DISCHARGES AND RINSING SHOULD BE KEPT AT LEAST 50' AWAY FROM THE CRITICAL ROOT ZONE OF PROTECTED TREES.
3. TREES IMPACTED BY CONSTRUCTION SHALL GET A VOLUME OF WATER COMPARABLE TO 1 INCH OF RAINFALL PER WEEK DURING THE GROWING SEASON (MARCH-NOVEMBER). IF THERE IS NO ADEQUATE RAINFALL TO PROVIDE THIS VOLUME, THE ROOT ZONE SHOULD BE SOAKED EVERY 7 TO 10 DAYS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING TREES WITHIN THE PROJECT LIMITS FROM DAMAGE DURING CONSTRUCTION. THIS MAY BE ACCOMPLISHED WITH FENCING OR OTHER SUITABLE MEANS.

UTILITY AND RELOCATION NOTES

1. THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED.
2. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL IMPACT THE SCHEDULE OF HIS WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS.
3. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN NO LESS THAN THREE (3) NOR MORE THAN TEN (10) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT." A LIST OF UTILITIES MAY BE OBTAINED FROM THE COUNTY. SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE-CALL SYSTEM TOLL FREE AT 1-800-351-1111.
4. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
5. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THE USE OF EQUIPMENT IN AND AROUND OVERHEAD AND UNDERGROUND ELECTRICAL WIRES, SERVICES AND FACILITIES. IF AT ANY TIME IN THE PURSUIT OF THIS PROJECT THE CONTRACTOR MUST WORK IN THE CLOSE PROXIMITY OF SAID WIRES, THE ELECTRIC COMPANY SHALL BE CONTACTED PRIOR TO SUCH WORK AND THE PROPER SAFETY MEASURES TAKEN. A THOROUGH EXAMINATION OF THE OVERHEAD AND UNDERGROUND WIRES IN THE PROJECT AREA MUST BE DONE BY THE CONTRACTOR PRIOR TO THE INITIATION OF CONSTRUCTION.
6. ALL REPAIRS, EXTENSIONS OR MODIFICATIONS TO NATURAL GAS, ELECTRIC, TELEPHONE AND CABLE TV LINES OR SERVICE LINES SHALL BE CONSTRUCTED TO THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. ACTIVE CONNECTIONS OR DISCONNECTIONS OF UTILITIES SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.
7. ADJUST RIM ELEVATION OF EXISTING MANHOLES, WATER VALVES AND/OR WATER METERS IN ACCORDANCE TO LOCAL UTILITY DISTRICT CONSTRUCTION SPECIFICATIONS.
8. UTILITY TRENCH BACKFILL IN PAVED AREAS SHALL BE SIZE NO. 67 CRUSHED STONE PER SECTION 903 OF THE LATEST TDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
9. UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT.
10. ALL EXISTING LIGHT FIXTURES WILL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE CITY'S REPRESENTATIVE. COST OF REMOVAL WILL NOT BE PAID FOR DIRECTLY BUT INCLUDED IN COST OF OTHER ITEMS.
11. RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.
12. FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.

SPECIAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE AREAS ON WHICH THE TOPSOIL MATERIAL WILL BE STOCKPILED. THE COST WILL NOT BE PAID FOR DIRECTLY BUT THE COST WILL BE INCLUDED IN THE COST OF THE OTHER ITEMS.
2. SHOULDERS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED AGAINST EROSION. SILTATION MEASURES SHALL BE IMPLEMENTED PROMPTLY TO REDUCE SEDIMENT IN RUN-OFF FROM CONSTRUCTION INTO THE STREAMS OR ONTO ADJACENT PROPERTY, BY THE USE OF SILT FENCES.
3. CONSTRUCTION STAGING AND MATERIAL STORAGE AREAS WILL BE SPECIFIED BY THE CITY AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL WORK WITHIN THE SPECIFIED LIMITS AND MINIMIZE DISTURBANCE OF AND INTERRUPTION TO ADJACENT FACILITIES. ANY EXPANSION OF THE CONSTRUCTION LIMITS, STORAGE AREAS, OR STAGING AREAS SHALL BE APPROVED IN WRITING BY THE CITY PRIOR TO THE CHANGE.
4. EXISTING BRICK SIDEWALK PAVERS SHALL BE CAREFULLY REMOVED AND STOCKPILED AT A LOCATION SPECIFIED BY THE CITY OF HARRIMAN. BRICK PAVERS TO BE CLEANED AND RE-LAID IN ORIGINAL LOCATIONS AS INDICATED ON THE PLANS. COST FOR EDGING WILL BE INCLUDED IN COST OF BRICK REPLACEMENT.
5. ALL PROPOSED SIDEWALKS WILL BE PLACED ON EXISTING GRADE. FINISHED GRADES SHOULD TIE INTO EXISTING SIDEWALKS, CURBS, STEPS AND WALK WAYS THAT ARE TO REMAIN.
6. EXISTING CONCRETE STEPS, WALK WAYS FROM PRIVATE PROPERTY TO THE PUBLIC RIGHT-OF-WAY SHOULD NOT BE IMPACTED BY CONSTRUCTION. ANY MODIFICATIONS TO THE EXISTING STEPS OR WALK WAYS BEYOND THE PROJECT LIMITS WILL BE AT THE CONTRACTORS OWN EXPENSE.
7. EXISTING STEPS AND WALK WAYS THAT CONNECT THE EXISTING SIDEWALK TO THE ROADWAY SHOULD NOT BE IMPACTED BY CONSTRUCTION. CONNECTIONS WILL BE REESTABLISHED BY THE CONTRACTOR AS PART OF THE CONSTRUCTION REQUIREMENTS.
8. EXISTING STONEWALLS AND FENCES ARE TO REMAIN IN PLACE AND NOT IMPACTED BY THE CONTRACTOR. ANY DAMAGES TO THE WALLS AND FENCES DURING CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR REPAIR.
9. ALL ADA RAMPS WILL BE CONSTRUCTED PER TDOT STANDARD DRAWINGS AND CONFORM TO THE LATEST PUBLISHED ADA REQUIREMENTS.
10. BRICK SHALL BE PLACED IN A "RUNNING BOND" PATTERN UNLESS DIRECTED OTHERWISE BY THE CITY'S REPRESENTATIVE.
11. ALL SIDEWALK THAT IS TO REMAIN WILL BE SAW CUT FOR A CLEAN JOINT. COST FOR SAW CUTTING EXISTING CONCRETE SIDEWALK WILL BE INCLUDED IN THE COSTS OF ITEMS AND NOT PAID FOR DIRECTLY.

MISCELLANEOUS

1. NOTHING IN GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.
2. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE NECESSARY AS DIRECTED BY THE ENGINEER. COST TO RESET MAIL BOXES WILL NOT BE PAID FOR DIRECTLY BUT INCLUDED IN THE COST OF OTHER ITEMS.

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
TRAV-S1	585644.7880	2397021.3950	793.92	100+72.01	36.65' (RT)
TRAV-S2	585502.4300	2397238.2540	778.60	103+22.99	28.96' (RT)
TRAV-S3	550048.8490	1858255.2190	781.47	102+28.98	26.72' (RT)
TRAV-S4	584975.5680	2397717.3950	785.45	110+35.13	31.67' (LT)
TRAV-S5	584874.1660	2397822.3350	786.70	111+80.72	41.64' (LT)
TRAV-S6	584582.2530	2398071.3760	776.45	115+64.28	30.94' (LT)
TRAV-S7	584243.8650	2398288.8310	765.40	119+61.18	34.34' (RT)
TRAV-S8	584496.9700	2398175.7170	777.28	116+97.50	51.26' (LT)
TRAV-S9	584521.5970	2398596.7600	777.15	219+60.88	0.27' (RT)
TRAV-S10	584689.2750	2398447.0950	785.79	217+36.12	1.03' (LT)
TRAV-S11	584889.4060	2398264.6010	800.55	214+65.28	0.28' (RT)
TRAV-S12	585088.1490	2398082.9530	819.47	211+96.04	1.90' (RT)
TRAV-S13	585304.3330	2397887.7660	812.51	209+04.78	1.87' (RT)
TRAV-S14	585467.3960	2397698.6970	796.09	206+57.04	32.91' (RT)
TRAV-S15	585835.1800	2397463.9880	785.04	202+26.78	39.39' (LT)
TRAV-6	585803.6230	2397400.8484	783.89	202+07.88	28.62' (RT)
TRAV-S17	585905.1890	2397303.5980	785.34	200+67.32	32.73' (RT)
CP-2	585657.5269	2397003.7385	794.37	100+50.72	41.22' (RT)

UTILITY CONTACTS

UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE						TN	
ELECTRIC	HARRIMAN UTILITY BOARD	(865) 882-3242 EXT 235	BILL YOUNG, MGR	300 N ROANE ST	HARRIMAN	TN	37748
SEWAGE	HARRIMAN UTILITY BOARD	(865) 882-3242 EXT 235	BILL YOUNG, MGR	300 N ROANE ST	HARRIMAN	TN	37748
WATER	HARRIMAN UTILITY BOARD	(865) 882-3242 EXT 235	BILL YOUNG, MGR	300 N ROANE ST	HARRIMAN	TN	37748
GAS	HARRIMAN UTILITY BOARD	(865) 882-3242 EXT 235	BILL YOUNG, MGR	300 N ROANE ST	HARRIMAN	TN	37748
CABLE	COMCAST	800-266-2278	JIM BRINKLEY	104 OLD CARDIFF LN	HARRIMAN	TN	37748

REVISIONS

CORNSTALK HEIGHTS HISTORIC DISTRICT
LIGHTING AND PEDESTRIAN TRAIL

GENERAL NOTES

CITY OF HARRIMAN, TENNESSEE

DATE OCT 2011

DRAWN BY DKH

CHECKED BY CEC

SCALE

PROJECT NO. 10-11-201

FILE 10-11-201\TRANSPORTATION\ SHEETS\GN1.0.SHT



237 W Northfield Blvd., Suite 200
Murfreesboro, Tennessee 37129

Telephone: (615) 896-7375
Facsimile: (615) 890-7016

E-Mail: www.Wisercorp.com

PRELIMINARY

SHEET NO.
GN1.0

REVISIONS

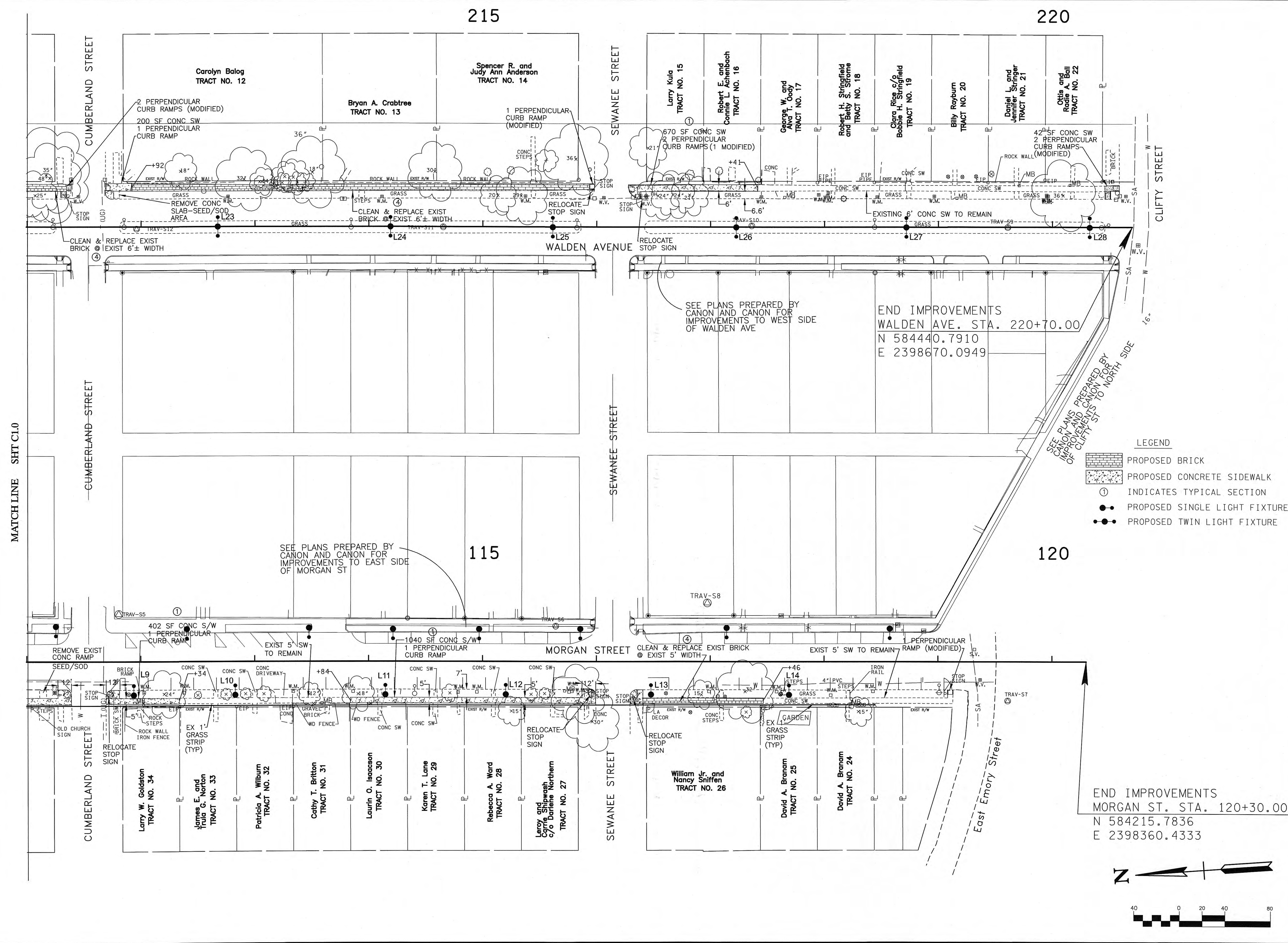
CORNSTALK HEIGHTS HISTORIC DISTRICT LIGHTS AND PEDESTRIAN TRAIL PRESENT AND PROPOSED LAYOUT CITY OF HARRIMAN, TENNESSEE

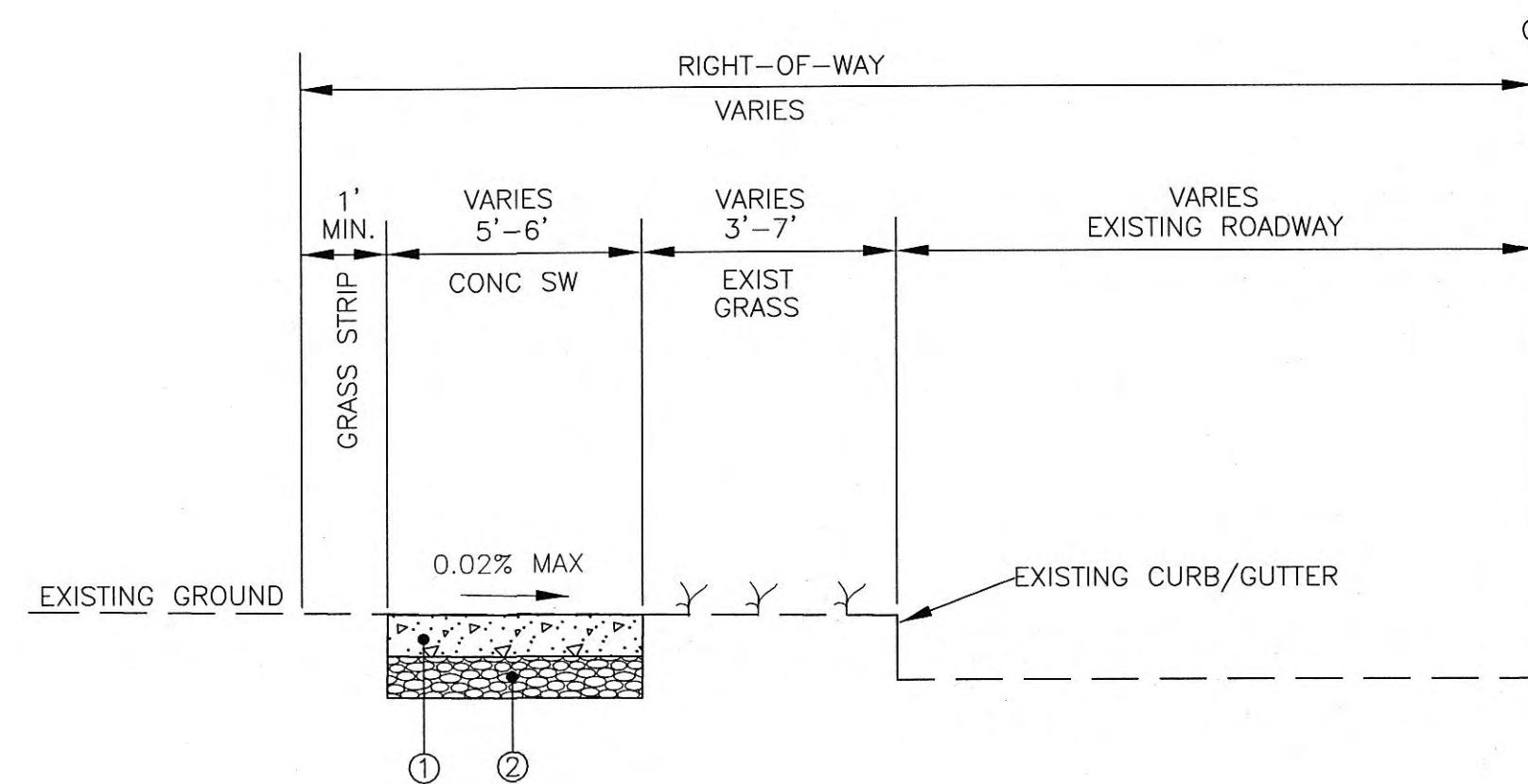
DATE OCT 2011
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CHECKED BY CEC
SCALE 1"=40'
PROJECT NO. 10-11-201
FILE 10-11-201\TRANSPORTATION\ SHEETS\C2.0\,DGN

Wiser
inventive. answers.

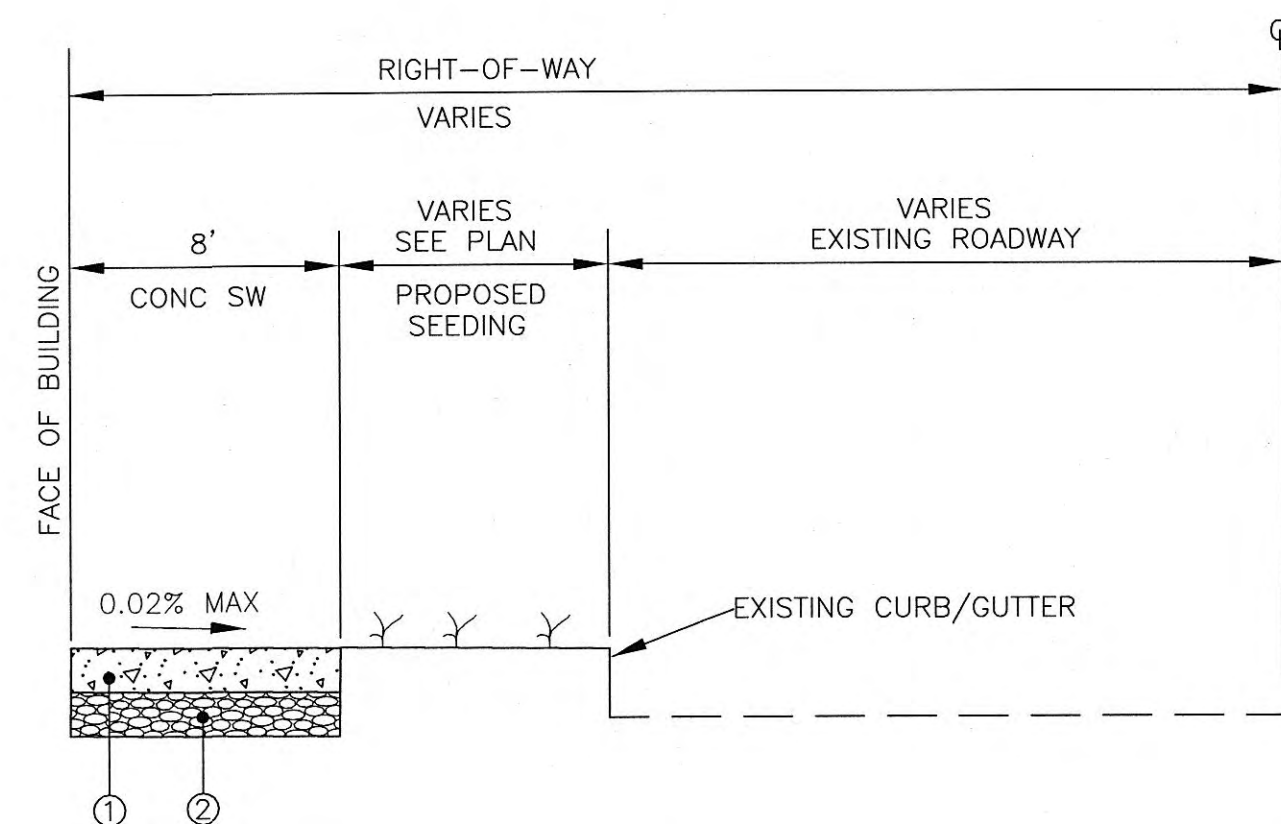
237 W Northfield Blvd., Suite 200
Murfreesboro, Tennessee 37129
Telephone: (615) 896-7375
Facsimile: (615) 890-7016
E-Mail: www.Wiserco.com

SHEET NO.
C 2.0

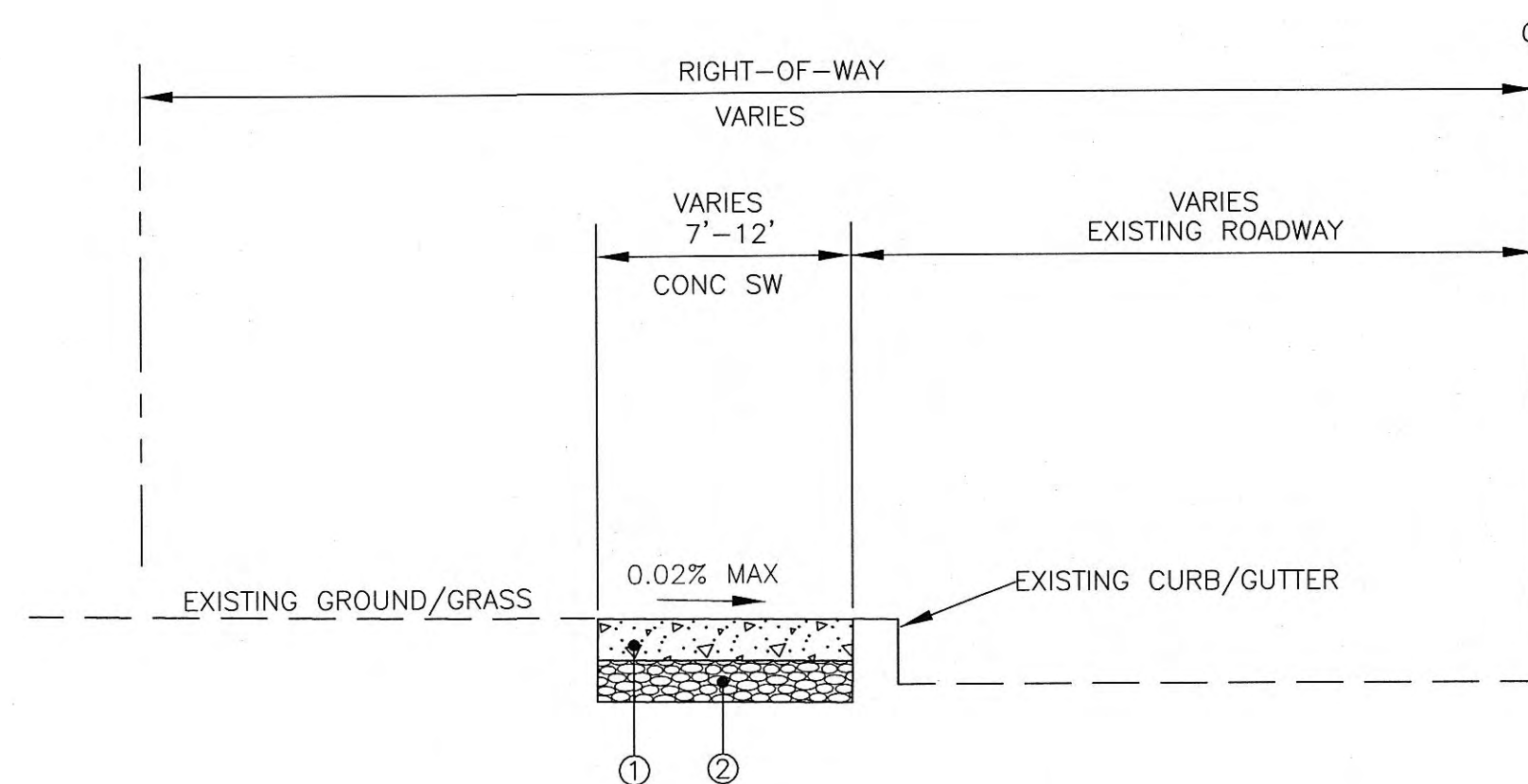




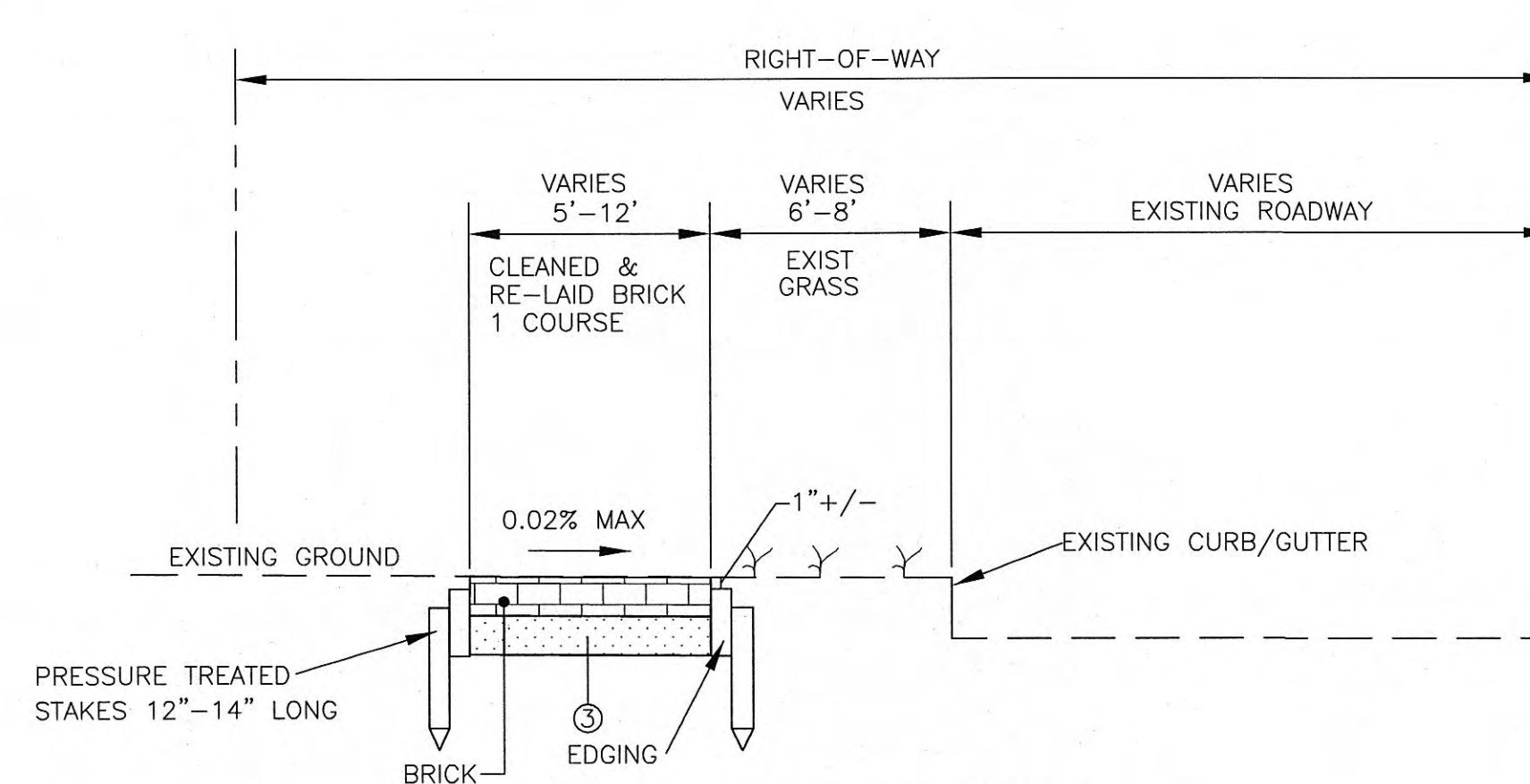
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SIDEWALK BEHIND EXISTING GRASS STRIP



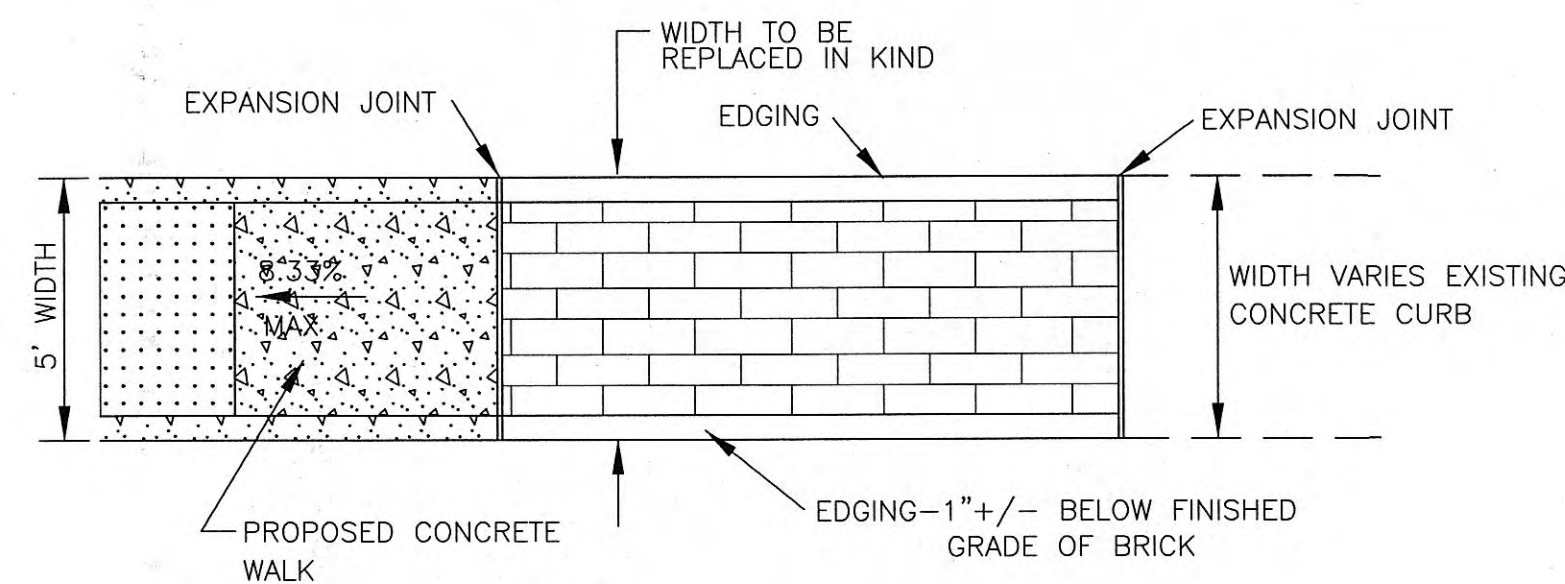
TYPICAL SECTION NO 2
SIDEWALK BEHIND PROPOSED GRASS STRIP



TYPICAL SECTION NO 3
SIDEWALK BEHIND EXISTING CURB/GUTTER

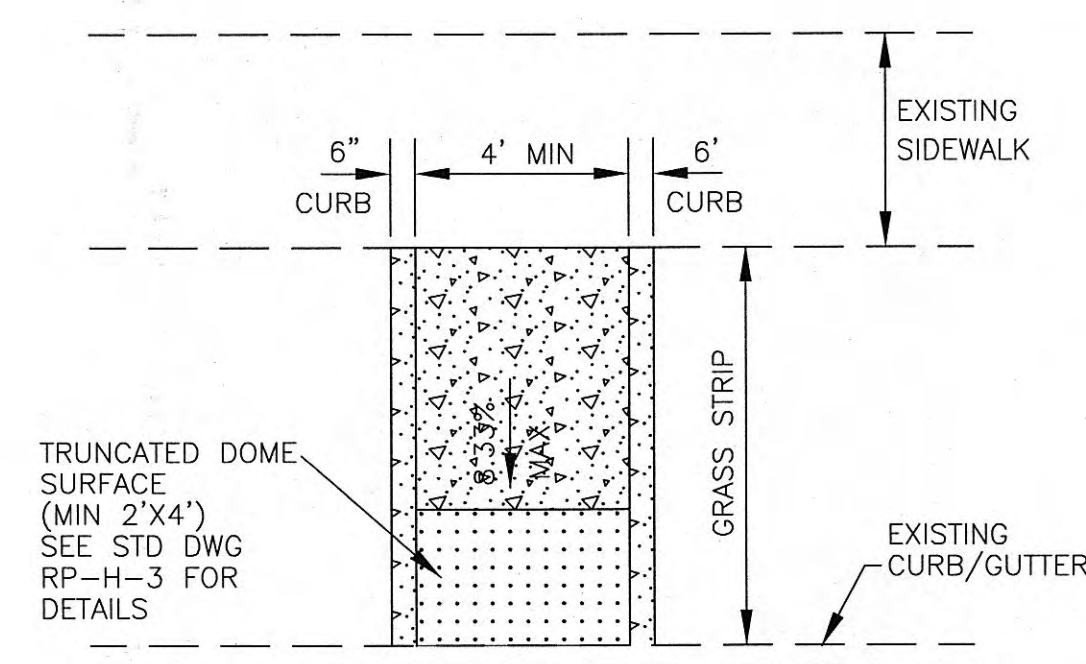


TYPICAL SECTION NO 4
REPLACEMENT OF EXISTING BRICK



RUNNING BOND BRICK PLACEMENT PATTERN DETAIL

1. BRICK WILL BE SWEEPED WITH JOINT SAND AFTER THEY ARE INSTALLED TO FILL IN ANY GAPS BETWEEN THE BRICKS.
2. EDGING MAYBE PRESSURE TREATED 2x6 TIMBER, PLASTIC, STEEL, ALUMINUM OR PRE CAST CONCRETE. EDGING SHALL BE STAKED 4-FT ON CENTER AND PLACED 1" +/- BELOW FINISHED GRADE AND BACKFILLED WITH TOPSOIL. EDGE WILL REMAIN IN PLACE AFTER INSTALLATION.
3. NO EDGING IS REQUIRED WHERE BRICK IS PLACED NEXT TO CONCRETE CURB, STEPS, OR OTHER CONCRETE MATERIAL THAT IS TO REMAIN.



MODIFIED RP-H-4 CURB RAMP

SIDEWALK REPLACEMENT SCHEDULE

- ① 4" CONCRETE SIDEWALK
TDOT SPEC SECTION 701-01.01 - CONCRETE SIDEWALK (4")
- ② MINERAL AGGREGATE BASE - 4" DEPTH
TDOT SPEC SECTION 303.01 - MINERAL AGGREGATE BASE, TYPE A. GRADING D
- ③ 4" SAND BASE
TDOT SPEC SECTION 303-01.04 - SELECT SAND BACKFILL

NOTE: ALL ADA RAMPS WILL HAVE 4" DEPTH OF MINERAL AGGREGATE BASE, TYPE "A" GRADING D. AS COMPACTED SUBGRADE.

REVISIONS

**CORNSTALK HEIGHTS HISTORIC DISTRICT
LIGHTING AND PEDESTRIAN TRAIL
TYPICAL SECTIONS AND DETAILS
CITY OF HARRIMAN, TENNESSEE**

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