

LOCAL MANAGED PROJECT

METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

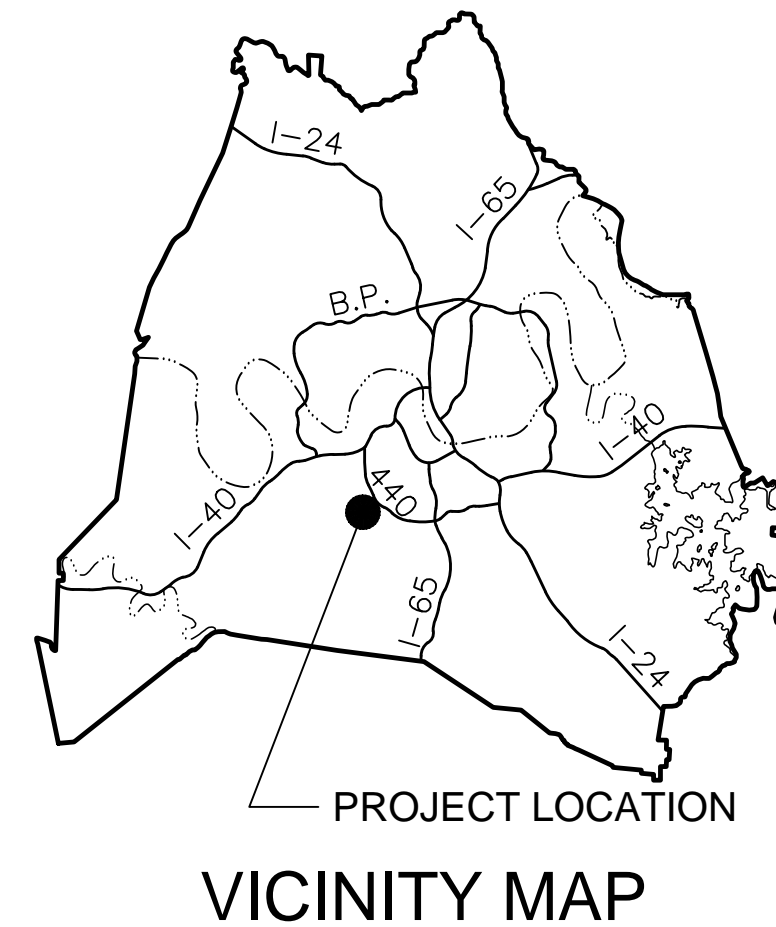
MAYOR MEGAN BARRY

DEPARTMENT OF PARKS AND RECREATION
DIRECTOR: TOMMY LYNCH

440 GREENWAY - PHASE II
GRADING PERMIT #: SWGR 2016038082



DEPARTMENT OF PARKS AND RECREATION
CENTENNIAL PARK OFFICE
NASHVILLE, TENNESSEE 37201
PHONE: 615-862-8400 FAX: 615-862-8414
CONTACT: CINDY HARRISON



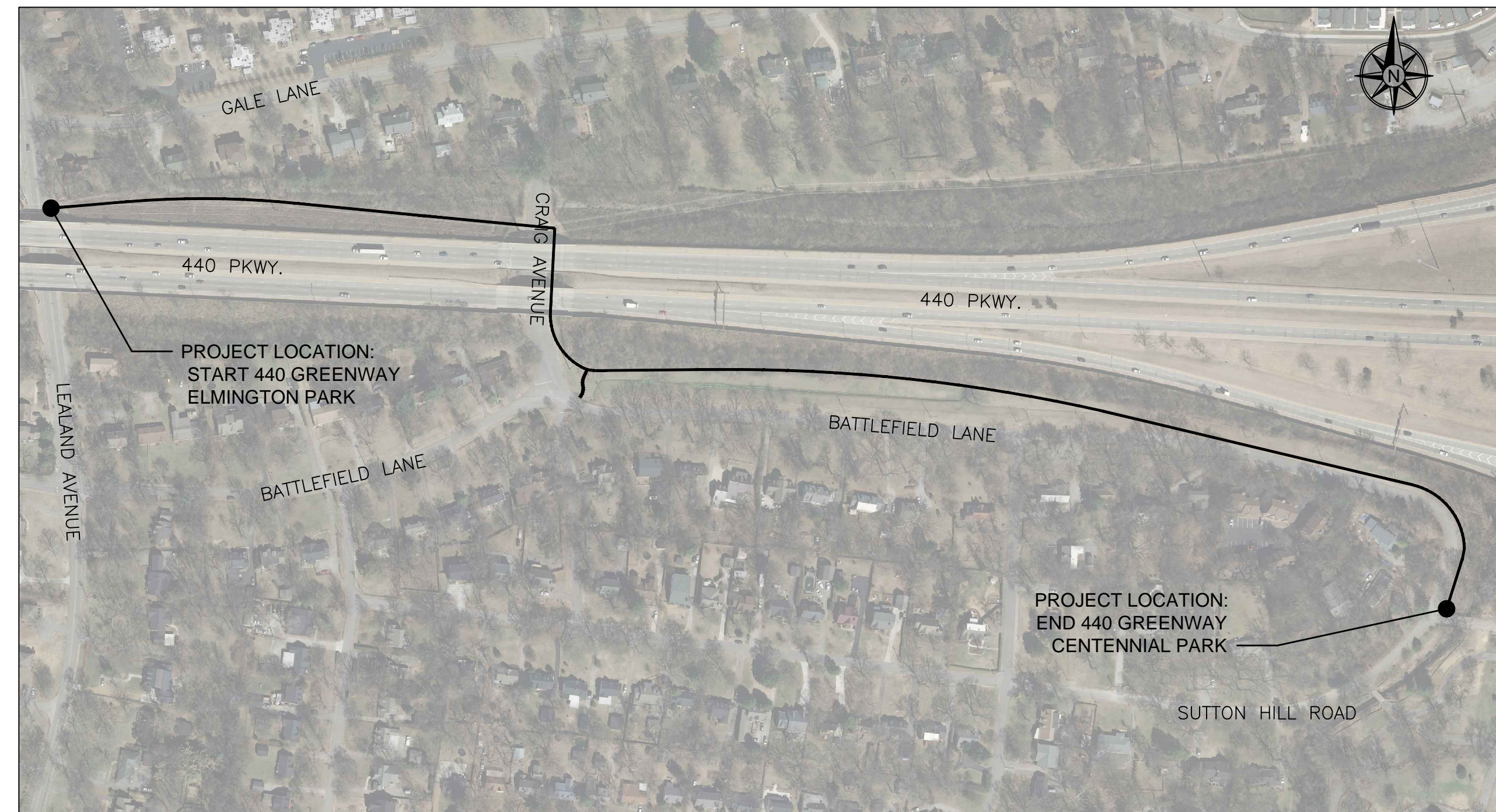
VICINITY MAP

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TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS

DWG NO.	REVISION DATE	SHEET NAME



LOCATION MAP

PROJECT ADDRESS:
440 GREENWAY - PHASE II
NASHVILLE TENNESSEE

PROJECT MANAGEMENT, SITE/CIVIL & LANDSCAPE



5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
PHONE: 615-331-1441 FAX: 615-331-1050

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY METRO IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

PARK PROJECT MANAGER CINDY HARRISON

DESIGNED BY COLLIER ENGINEERING CO., INC.

DESIGNER _____ CHECKED BY _____

NO.	DATE	BY	DESCRIPTION

COLLIER ENGINEERING CO., INC.
CONSULTING • DESIGN • CONSTRUCTION

5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
PHONE: (615) 331-1441 FAX: (615) 331-1050

CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

COVER SHEET

SHEET NO: C0.00

DEVELOPMENT NOTES

- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- ALL CONSTRUCTION TO COMPLY WITH METRO-DAVIDSON COUNTY ZONING AND CODES STANDARDS AND STATE OF TENNESSEE STORMWATER REGULATIONS.
- ALL CONSTRUCTION TO COMPLY WITH THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

EXISTING UTILITIES

- UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER OR THE OWNER'S REPRESENTATIVES. BEFORE YOU DIG CALL TENNESSEE ONE CALL: 1-800-351-1111.
- THE CONTRACTOR SHALL DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.

LAYOUT NOTES

- COORDINATE POINTS ARE SET USING THE COORDINATE SYSTEM REFERENCED BY BENCHMARKS SHOWN ON EXISTING CONDITION SHEETS.

ADA REQUIREMENTS

- ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH AMERICAN WITH DISABILITIES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36 CFR PARTS 1190 AND 1191, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES; ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES; PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 10, 2010, AS HAS BEEN ADOPTED BY METRO.
- CONTRACTOR TO COORDINATE ALL INSPECTIONS AS REQUIRED BY THE METRO ADA COMPLIANCE OFFICE.
- AT ALL INTERSECTIONS OF TRAILS, SIDEWALKS, PLAZAS AND OTHER INSTANCES WHERE 90 DEGREE TURN CAN TAKE PLACE THE MAXIMUM SLOPE IN ALL DIRECTIONS IS 2 PERCENT

CLEARING/GRUBBING

- DO NOT EXCEED CLEARING AND GRUBBING LIMITS OF CONSTRUCTION LINES INDICATED ON THE PLANS.
- ALL NON-PAVED AREAS OUTSIDE THE LIMIT OF DISTURBANCE LINE SHALL NOT BE CROSSED BY HEAVY EQUIPMENT OR USED FOR STORING HEAVY EQUIPMENT OR MATERIALS UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE.
- NO EQUIPMENT SHALL BE STORED UNDER THE DRIP LINE OF TREES TO REMAIN.
- DO NOT FALL ANY TREES OR PUSH PILES OF DEBRIS AGAINST TREES TO REMAIN.
- REMOVE ALL STUMPS, ROCKS, ASPHALT & CONCRETE DEBRIS, ETC. WITHIN CLEARING LIMITS AND DISPOSE OFF SITE IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- CONTACT ALL UTILITY AUTHORITIES WHO HAVE LINES WITHIN THE CLEARING AND GRUBBING LIMITS BEFORE STARTING WORK.
- ALL EROSION CONTROL SEDIMENT BARRIERS, SILT FENCES, AND TREE PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO STARTING CLEARING AND GRUBBING OPERATIONS.
- AFTER STAKING IS COMPLETED, TREES WITHIN GRADING LIMITS TO BE SAVED WILL BE IDENTIFIED BY THE OWNER'S REPRESENTATIVE. FIELD CHANGES TO GRADING PLANS SHALL BE MADE FOR SMOOTH TRANSITION OF GRADES AROUND ALL TREES WHICH REQUIRE TREE WELLS WITHIN THE GRADING LIMITS.
- ALL CLEARING SHALL BE LIMITED TO AREAS TO BE GRADED WITHIN 14 CALENDAR DAYS.

TENNESSEE ONE-CALL SYSTEM



BEFORE YOU DIG CALL
1-800-351-1111.

GENERAL NOTES

- THE CONTRACTOR IS TO CHECK AND VERIFY ALL MEASUREMENTS, LEVELS, ETC. BEFORE ORDERING MATERIALS AND PROCEEDING WITH THE WORK, AND IS TO BE RESPONSIBLE FOR THE SAME.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE COST OF REPLACING SAME.
- CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, ETC. WHICH ARE TO REMAIN AND NOT TO BE DISTURBED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY.
- THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL LEGAL FEES. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO BUILDING SIDEWALKS, STREETS, BLASTING, PUBLIC INFRASTRUCTURE, STORMWATER REGULATIONS, ETC.
- THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SITE IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER. THE CONTRACTOR WILL INDEMNIFY THE OWNER & OWNER'S REPRESENTATIVE FROM LIABILITY AT THE SITE THROUGHOUT THE CONSTRUCTION PROCESS.
- THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK AND THE PUBLIC, INCLUDING BARRICADES, WARNING SIGNS, LIGHTS, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, WHETHER CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.
- ALL PAY ITEMS HAVE BEEN EXPLICITLY SET FORTH AS SUCH IN THE PROPOSAL, ALL ITEMS OF COST ARE TO BE INCLUDED IN ONE OF THESE PAY ITEMS.
- ANY FOREIGN ITEM FOUND DURING CONSTRUCTION IS THE PROPERTY OF THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, ARTIFACTS AND ANTIQUITIES.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO ENSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- CONTRACTOR IS TO VERIFY ALL BASE INFORMATION AS NECESSARY AND TO ADVISE THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ANY LAYOUT WORK.
- MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. DAILY, AND MORE OFTEN IF NECESSARY, INSPECT & AND PICK UP ALL SCRAP, DEBRIS, & WASTE MATERIAL.
- PROVIDE PROTECTION TO ALL FINISHED WORK. MAINTAIN SURFACES CLEAN, UNMARRED, AND SUITABLY PROTECTED UNTIL ACCEPTANCE BY OWNER.
- ANY REFERENCE TO METRO MEANS METROPOLITAN NASHVILLE DAVIDSON COUNTY GOVERNMENT AND THE DIVISIONS AND AGENCIES WITHIN THE GOVERNMENT.
- NO CONSTRUCTION ACTIVITIES ARE ALLOWED ON CSX RAILROAD RIGHT-OF-WAY, INCLUDING ANY TREES OR BRUSH FALLING ONTO CSX RAILROAD RIGHT-OF-WAY DURING CLEARING AND GRUBBING OPERATIONS.

-SPECIAL PROVISIONS & CONDITIONS-

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) TO PROTECT THE NASHVILLE CRAWFISH ON ANY PROJECT WITHIN THE WEST FORK OF BROWNS CREEK. ANY QUESTIONS SHOULD BE DIRECTED TO MICHAEL HUNT, MWS WATER QUALITY, PHONE # 615/880-2426.

ADDITIONAL INFORMATION CAN BE ALSO BE FOUND AT:
HTTP://WWW.NASHVILLE.GOV/STORMWATER/REGS/SWMGT_MANUALVOL04_2006.ASP

ACREAGE SUMMARY	
SITE AREA	+/-111.5 acres
ON-SITE DISTURBED AREA	+/- 8.6 acres
OFF-SITE DISTURBED AREA	N/A
TOTAL DISTURBED AREA	+/- 8.6 acres
IMPERVIOUS AREA	+/- 3.8 acres
PERVIOUS AREA AT COMPLETION	+/- 102.9 acres
I HEREBY CERTIFY THAT THIS PROJECT IS COVERED UNDER THE TENNESSEE CONSTRUCTION NPDES GENERAL PERMIT. THE TOTAL DISTURBED AREA IS: XXX. THE TENNESSEE CONSTRUCTION GENERAL PERMIT NUMBER IS TNR XXX. THE ARAP PERMIT NUMBER IS NRXXX.	
THIS SITE DISCHARGES INTO WATER IDENTIFIED BY TDEC AS: <input type="checkbox"/> IMPAIRED FOR SILTATION <input type="checkbox"/> IMPAIRED FOR HABITAT ALTERATION <input type="checkbox"/> EXCEPTIONAL	
CIRCLE ONE: DEVELOPER	PROJECT ENGINEER
CIRCLE ONE: DEVELOPER	OTHER
SIGNATURE	DATE
AS-BUILT NOTE IN ACCORDANCE WITH THE METRO STORMWATER MANAGEMENT MANUAL, VOLUME 1, SECTION 3.9, AS-BUILT CERTIFICATIONS, MWS STORMWATER DIVISION MUST APPROVE THE FOLLOWING AS-BUILTS PRIOR TO ISSUANCE OF THE USE & OCCUPANCY PERMIT: <ul style="list-style-type: none"> UNDERGROUND DETENTION AND WATER QUALITY INFRASTRUCTURE ABOVE GROUND DETENTION AND WATER QUALITY INFRASTRUCTURE PUBLIC STORM SEWER INFRASTRUCTURE CUT & FILL IN THE FLOODPLAIN SINK HOLE ALTERATIONS 	

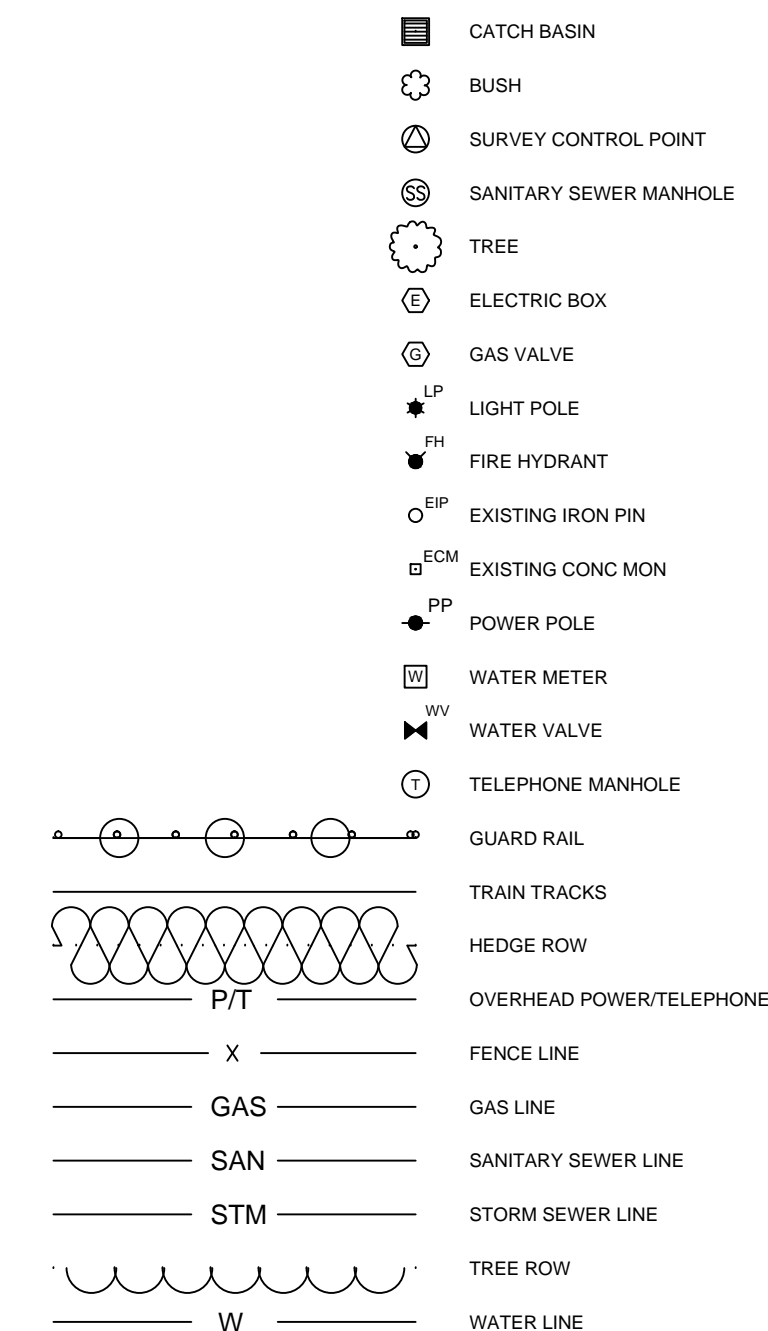
GRADING NOTES

- TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNER'S REPRESENTATIVE. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL BE UTILIZED TO PREVENT LOSS OF TOPSOIL MATERIAL.
- FILL AREA SHALL BE PROOF-ROLLED WITH RUBBER-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATION. AREAS WHICH ARE SOFT OR UNSTABLE SHALL BE UNDERCUT UNTIL STABLE SOILS ARE FOUND. RE-COMPACTION OF THESE SOILS TO 98 PERCENT MAXIMUM DRY DENSITY (AS PER ASTM D698 STANDARD PROCTOR) WILL BE ALLOWED UNDER THE DIRECTION OF A QUALIFIED SOILS ENGINEER.
- CUT AREA SHALL BE PROOF-ROLLED AFTER FINAL SUBGRADE IS ACHIEVED IN THE SAME MANNER AS FILLED AREAS. SOFT OR UNSTABLE SOILS SHALL BE SCARIFIED TO A DEPTH OF 12" AND RE-COMPACTED TO 98 PERCENT MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR).
- THE FOLLOWING SOIL COMPACTION RATES WILL BE REQUIRED:
 - 95 PERCENT MAXIMUM DRY DENSITY FOR OPEN AREAS AND GENERAL EMBANKMENTS.
 - 98 PERCENT MAXIMUM DRY DENSITY UNDER ROADS, PARKING AREAS, SIDEWALKS, BUILDINGS, SLABS, AND FOUNDATIONS.
- ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 6 INCHES.
- ALL GRADING SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK LISTED IN THE BID DOCUMENTS.
- ALL AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND PREVENT STANDING WATER.
- ELEVATIONS SHOWN ON THE PLANS ARE THE FINISH GRADE ELEVATIONS.
- GRADING SHALL BE SEQUENCED SO THAT BASE STONE IS PLACED WITHIN 5 CALENDAR DAYS OF ACHIEVING OPTIMUM SUBGRADE COMPACTION.
- ALL BACKFILL BEHIND WALLS SHALL BE INSTALLED PER WALL MANUFACTURER'S INSTALLATION SPECIFICATIONS OR AS NOTED ON PLANS, WHICHEVER IS MORE RESTRICTIVE.

DEMOLITION NOTES

- ALL DEMOLISHED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED BY THE OWNER'S REPRESENTATIVE. LEGALLY DISPOSE OFF THE OWNER'S PROPERTY AT NO ADDITIONAL COST.
- ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, ETC., THAT ARE REMOVED SHALL BE REMOVED TO FULL DEPTH UNLESS OTHERWISE NOTED. ALL PAVEMENT, SIDEWALK, AND CURB SHALL BE SAW CUT IN ORDER TO OBTAIN NEAT LINES AND SMOOTH TRANSITIONS TO NEW SURFACES.
- ALL ITEMS OF CONSTRUCTION REMAINING AND NOT SPECIFICALLY MENTIONED THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE PROTECTION TO ALL STREETS, TREES, UTILITIES, AND STRUCTURES THAT ARE TO REMAIN. CONTRACTOR CAUSED DAMAGE WILL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND OBTAIN ALL PERMITS PRIOR TO BEGINNING WORK.
- NO TREES ARE TO BE REMOVED AND/OR VEGETATION DISTURBED EXCEPT AS NECESSARY FOR DEMOLITION PURPOSES AND ONLY WITH PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE.
- CONTRACTOR TO COMPLY WITH METRO STANDARDS FOR TRAFFIC CONTROL IN PUBLIC RIGHTS OF WAY. ANY TEMPORARY STREET CLOSINGS, IF REQUIRED, MUST BE APPROVED IN WRITING BY METRO PUBLIC WORKS.

SURVEY LEGEND



REVISIONS

NO. DATE BY DESCRIPTION

COLLIER
ENGINEERING CO., INC.
CONSULTING & DESIGN • CONSTRUCTION

5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
PHONE: (615) 331-1441 FAX: (615) 331-1050

CONSTRUCTION DOCUMENTS

440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 9-06-17

DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

GENERAL
NOTES

SHEET NO: C0.01

GENERAL

1. THE CONSULTANT WILL MARK THE LIMITS OF PAVING.

SPECIFICATIONS

2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (JANUARY 1, 2015 EDITION) AND APPLICABLE SPECIAL PROVISIONS.
3. THIS PROJECT SHALL BE CONSTRUCTED UNDER THE GUIDELINES FOR COUNTY CERTIFICATION PROCEDURES.

CONTRACTOR'S RESPONSIBILITY

4. THE PRODUCER SHALL FURNISH, AT THE PRECONSTRUCTION CONFERENCE, A JOB MIX FORMULA APPROVED BY THE TENNESSEE DEPARTMENT OF TRANSPORTATION MATERIALS AND TESTS.
5. MAILBOXES AND POSTS ARE TO BE RESET BY THE CONTRACTOR, IF REQUIRED. COST IS TO BE INCLUDED IN OTHER ITEMS OF CONSTRUCTION.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36 CFR PARTS 1190 AND 1191, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES; ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES; PROPOSED RULE, PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 10, 2010, AS HAS BEEN ADOPTED BY METRO.
7. IN THE EVENT THERE IS ANY EVIDENCE, WITHIN THE INITIAL WARRANTY PERIOD, OF THE LOSS OF FINES OR RAVELING ON ANY PROJECT, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO EITHER REPLACE THE SECTION DEEMED NECESSARY OR SEAL THE ROAD WITH A MATERIAL SUCH AS RECLAMITE OR OTHER APPROVED SUBSTANCES THAT WILL RETARD THE DETERIORATION OF THE ASPHALT SURFACE. THE CONTRACTOR WILL ALSO BE REQUIRED TO SIGN A 5 YEAR WARRANTY AGAINST RAVELING AND POTHOLES IF THE FOG SEAL ALTERNATIVE IS SELECTED AS THE METHOD OF REMEDIATION AND A 1 YEAR WARRANTY IF THE CONTRACTOR CHOOSES TO REMOVE AND REPLACE.

PERMITS

8. WHEN WORK IS TO BE PERFORMED IN THE ROADWAY THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE METROPOLITAN GOVERNMENT OF NASHVILLE DAVIDSON COUNTY UTILITY COORDINATOR AT 862-8782. ANY COST ASSOCIATED WITHIN THE PROVISIONS SET FORTH IN THAT PERMIT NEEDS TO BE INCLUDED IN ITEM NO. SP-2, SP-3, AS APPROPRIATE. IF A UNIFORMED POLICE OFFICER IS REQUIRED, THE COST FOR THAT SERVICE WILL BE PAID FOR UNDER ITEM NO. 712-08.06.
9. THE DEPARTMENT OF PUBLIC WORKS MAY REQUIRE THE USE OF OFF-DUTY SWORN PEACE OFFICERS, AS DEFINED AND SPECIFIED IN TENN. CODE ANN. §§ 62-35-102(18) AND 62-35-103(A)(15)(B), FOR TRAFFIC CONTROL WHERE APPROPRIATE. OFFICERS MUST BE IN UNIFORM. OFFICERS FROM JURISDICTIONS OTHER THAN THE METROPOLITAN POLICE DEPARTMENT MUST BE IN COMPLIANCE WITH THE REQUIREMENTS OF TENN. CODE ANN. §§ 62-35-141 AND ALL OTHER APPLICABLE STATUTES, RULES AND REGULATIONS. WHEN A PERMIT ISSUED BY THE DEPARTMENT OF PUBLIC WORKS REQUIRES AN OFF DUTY POLICE OFFICER, THE OFFICER PRESENT MUST BE PRESENT AT THE WORK SITE AND ACTIVELY ENGAGED IN THE CONTROL OF TRAFFIC. IF THE OFFICER IS NOT PERMITTED TO WEAR ORIGINAL UNIFORM, THE OFFICER MUST PRESENT THE SAME APPEARANCE AS LAW ENFORCEMENT OFFICER. ALSO SEE ATTACHED FOR THE LATEST METRO UNIFORMED OFFICER POLICY.
10. CONTRACTOR SHALL CONFORM TO THE TIME RESTRICTIONS SET FORTH BY THE METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY.

CONSTRUCTION SIGNAGE

11. ALL CONSTRUCTION SIGNS MUST BE REMOVED WITHIN 7 DAYS AFTER CONSTRUCTION HAS BEEN COMPLETED. ANY SIGN REMAINING FOR ANY PUNCH LIST OR SUBSEQUENT CONSTRUCTION ACTIVITY MUST BE COVERED.
12. CONSTRUCTION SIGNS MUST REMAIN IN PLACE ON ALL MILLED STREETS UNTIL PAVING HAS BEEN COMPLETED. NO ROAD IS TO BE LEFT MORE THAN 14 DAYS WITHOUT REPLACING WITH ASPHALT. STRUCTURES MAY NOT BE ADJUSTED MORE THAN 7 DAYS PRIOR TO PAVING. CONTRACTOR IS RESPONSIBLE FOR PURCHASING AND PLACING DOOR HANGERS AT ALL HOMES AND BUSINESSES IN THE AREA AFFECTED BY THE PROJECT BEFORE CONSTRUCTION BEGINS (VERBAGE TO BE PROVIDED BY METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY). MAILINGS VS. DOOR HANGERS ARE ACCEPTABLE IF THE CONTRACTOR CHOOSES TO DO MAILINGS. THE CONTRACTOR IS TO GIVE PUBLIC ASSURANCE THAT MAILINGS ARE DONE AND SENT TO THE PROPER ADDRESSES OF STREETS BEING PAVED. THE MAILING LANGUAGE IS TO BE COORDINATED WITH THE PUBLIC WORKS MANAGER. COST TO BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL. DOOR HANGERS SHALL BE PLACED AT LEAST 14 DAYS PRIOR TO PAVING.
13. IN THE EVENT THAT ANY CONSTRUCTION SIGNAGE IS TEMPORARILY DESIGNATED NOT IN USE DURING THE PROJECT OR IF THE PROJECT HAS NO CONSTRUCTION BEING PERFORMED AND NO ONGOING CONSTRUCTION HAZARDS PRESENT, THE CONTRACTOR SHALL CHOOSE A SIGN COVERING METHOD ACCEPTABLE BY THE DEPARTMENT OF PUBLIC WORKS. IF THE CONTRACTOR CHOOSES NOT TO COVER THE SIGN AS DIRECTED THEN THE SIGN MUST BE REMOVED AND RESET ONCE CONSTRUCTION HAS BEEN SCHEDULED AT A LATER TIME. ANY COSTS ASSOCIATED WITH THE COVERING OR REMOVAL AND RESETTING OF ANY CONSTRUCTION SIGNAGE SHALL BE INCLUDED IN THE COSTS OF ITEM NO. 712-01, TRAFFIC CONTROL.
14. THE CONTRACTOR SHALL PROVIDE ADEQUATE SIGNS AND/OR BARRICADES REQUIRED TO PROVIDE FOR SAFETY OF THE TRAVELING PUBLIC. TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". DURING CONSTRUCTION OPERATIONS, TWO (2) FLAGMEN WILL BE PRESENT AT ALL TIMES DURING CONSTRUCTION WHEN MACHINERY OR PERSONNEL BLOCK ONE LANE. CONSTRUCTION SIGNS WILL BE IN PLACE BEFORE CONSTRUCTION BEGINS. ALL CONSTRUCTION SIGNS SHALL BE POST-MOUNTED ANY TIME THAT CREWS WILL BE PRESENT FOR MORE THAN 72 HOURS.
15. THE CONTRACTOR SHALL INSTALL AT THE BEGINNING AND END OF EACH PROJECT A PUBLIC WORKS FURNISHED SIGN (BLUE SIGN) IDENTIFYING BOTH THE MAYOR AND COUNCIL DISTRICT (BOTH COUNCIL DISTRICTS IF THE PROJECT SPLITS 2 DISTRICTS). ANY COST ASSOCIATED WITH THE INSTALLATION OR REMOVAL AND RETURNING OF THIS SIGN SHALL BE INCLUDED IN ITEM NO. SP-1, INSTALL AND REMOVE PW FURNISHED SIGN.

TRAFFIC CONTROL

16. ANY COST ASSOCIATED WITH FLAGGERS OR FLAGGING ON THESE PROJECTS SHALL BE INCLUDED IN ITEM NO. 712-01. ANY OTHER COSTS ASSOCIATED WITH TRAFFIC CONTROL NOT SHOWN IN THE PLANS OR ITEMS NUMBERS BUT MANDATED BY THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) SHALL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL.

CASTING ADJUSTMENTS

17. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADJUSTING ALL SANITARY SEWER MANHOLES, WATER METERS, WATER VALVES AND DRAINAGE STRUCTURES THAT CONFLICT WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR COORDINATING THE ADJUSTMENTS OF ALL OTHER UTILITIES WITH THEIR RESPECTIVE OWNERS. COST OF ADJUSTMENTS WILL BE PAID FOR DIRECTLY UNDER ITEM NUMBER : 611-01.21, 611-01.26, AND 611-09.01.
18. THE CONTRACTOR IS TO CONTACT THE ONE-CALL SYSTEM OR UTILITY OWNERS TO VERIFY ALL UTILITY CASTING LOCATIONS.
19. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING THE NECESSARY PLATES NEEDED TO PERFORM

ITEM : 611-01.21, 611-01.26 AND 611-09.01. THESE PLATES SHOULD BEAR DISTINCTIVE MARKINGS IDENTIFYING OWNERSHIP.

20. MANHOLES, CATCH BASINS, INLETS, VALVE BOXES AND ALL OTHER UTILITY STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 611 OF THE TDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". TOPS OF INLETS AND CASTINGS SHALL CONFORM TO THE FINAL PAVED SURFACE IN LINE AND GRADE TO WITHIN ¼ INCH (6MM) OF THE NEW SURFACE, BUT SHALL NOT BE HIGHER THAN THE FINAL GRADE.

21. DRAINAGE INLET GRATES LOCATED WITHIN THE RIGHT OF WAY SHALL BE BICYCLE FRIENDLY AS SHOWN ON METRO PUBLIC WORKS STANDARD DRAWINGS ST- 506, ST- 506A OR ST-506B. EXCEPTIONS TO THESE STANDARDS REQUIRE PRIOR WRITTEN APPROVAL OF THE METRO ENGINEER.

22. ANY INLET GRATES WILL BE CONSIDERED NON BIKE FRIENDLY, REGARDLESS OF THE DIRECTION OF THE OPENINGS, IF THERE IS MORE THAN ¼ INCH (6MM) VERTICALLY BETWEEN THE FINAL ROADWAY SURFACE AND THE SURFACE OF THE GRATE. ITEM 611-04.06, GRATE REPLACE TO MAKE BICYCLE SAFE, SHALL BE USED ONLY WHEN REPLACING A NON BIKE FRIENDLY INLET GRATE FOR A BIKE FRIENDLY INLET GRATE.

23. BACKFILL OF THE NEW ADJUSTED CASTING SHALL BE ACCOMPLISHED USING AN ASPHALT BINDER AS DEFINED IN SECTION 307 OF THE TDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND SHALL BE PLACED IN ACCORDANCE WITH SECTION 407.09, 407.11, AND 407.15 WITH REGARD TO WEATHER LIMITATIONS, MATERIAL TEMPERATURE, AND COMPACTION REQUIREMENTS. BINDER SHALL BE PLACED AND COMPACTED IN NO MORE THAN 3 INCH LIFTS. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY EXTRA MATERIALS NEEDED TO MEET THESE REQUIREMENTS.

SHOULDERS AND DITCHES

24. ALL DEGRASSING OF THE SHOULDERS, INCLUDING THE SPOIL MATERIAL, SHALL BE INCLUDED IN ITEM 208-01 SHOULDERS AND DITCHES.

COLD PLANING

25. THE CONTRACTOR SHALL RETAIN SALVAGE VALUE OF ALL EXISTING BITUMINOUS SURFACE.

26. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY CONCRETE APPURTENANCES DAMAGED DURING COLD PLANING OF BITUMINOUS PAVEMENT.

27. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY SURPLUS JOINT OR PATCHING MATERIAL OR ANY LOOSE DEBRIS DEPOSITED ON THE ROADWAY PRIOR TO COMMENCING THE PAVING OPERATIONS.

SURFACING

28. ALL PUBLIC SIDE ROADS ARE TO BE SURFACED TO THE RIGHT-OF-WAY LINE OR AS DIRECTED BY THE ENGINEER. THICKNESS AND WIDTHS WILL BE AS DIRECTED.

29. PRIVATE DRIVES / DRIVEWAY RAMPS ARE TO BE PAVED WITH SURFACE MATERIAL OVER THE NORMAL SHOULDER WIDTH ALONG THE EDGE OF THE TRAFFIC LANE AND FEATHERED TO EXISTING GRADE AS DIRECTED BY THE ENGINEER. THICKNESS OF THE SURFACE MATERIAL WILL BE AS REQUIRED OR AS DIRECTED BY THE ENGINEER.

30. THE PROPOSED SURFACE IS TO BE CROWNED AS DIRECTED BY THE ENGINEER.

31. ALL TRAFFIC SIGNAL LOOPS (ITEM#730-14.03) SHALL BE INSTALLED PRIOR TO THE FINAL SURFACE BEING APPLIED. ALL WORK MUST BE COORDINATED WITH METRO SIGNAL SHOP AT 862-8675.

32. CONTRACTOR MAY SUBSTITUTE, AT THEIR DISCRETION, WARM MIX ASPHALT (WMA) FOR HOT MIX ASPHALT (HMA) WHERE SUITABLE, AS LONG AS GUIDELINES PROVIDED IN SUPPLEMENTAL SPECIFICATIONS 300SS, 400SS AND 900SS ARE FOLLOWED.

33. THE FEATHERING OF ANY CONSTRUCTION JOINTS WILL NOT BE PERMITTED WITHIN THE PAVING LIMITS OF THIS PROJECT. ALL BUTT JOINTS WITHIN THE PROJECT LIMITS THAT DO NOT FALL WITHIN A COLD PLANING TYPICAL CROSS SECTION, SHALL BE REQUIRED TO BE CONSTRUCTED BY THE CUTTING OF KEY JOINTS TO PROMOTE OPTIMAL ADHESION TO THE EXISTING ASPHALT.

34. PAVEMENT JOINTS SHALL BE CONSTRUCTED IN A MANNER THAT ADHERES TO THE SUPPLEMENTAL SPECIFICATIONS - SECTION 400, SUBSECTION 407.16 OF THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (JANUARY 1, 2015 EDITION).

35. PAVEMENT JOINTS SHALL BE CONSTRUCTED IN A MANNER WHERE THE LONGITUDINAL JOINT OF ALL BASE LAYERS OF ASPHALT ARE OFFSET AT LEAST 12" FROM EACH OTHER IN A STAGGERED LAYOUT. THE LONGITUDINAL JOINT OF SURFACE MIXES MUST FALL ALONG THE MEASURED CENTERLINE OF THE ROAD OR AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKINGS

36. ALL PAINTED/PLASTIC PAVEMENT MARKINGS WILL BE APPLIED AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

37. ALL TEMPORARY MARKINGS USED SHALL BE INSTALLED TO PERMANENT STANDARDS.

38. WHERE THERMOPLASTIC IS USED ON THE FINAL SURFACE, THE CONTRACTOR WILL USE REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK AND THEN INSTALL THE PERMANENT MARKING AFTER THE PAVING OPERATION IS COMPLETE. THE TEMPORARY MARKING WILL NOT BE PAID DIRECTLY, BUT THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM NUMBERS 716-02.01 PLASTIC PAVEMENT MARKING (4" LINE).

39. ALL PAVEMENT MARKING WILL BE APPROVED BY THE ENGINEER PRIOR TO FINAL PAVEMENT MARKING APPLICATION.

40. PAINTED PAVEMENT MARKING (LANE DIVISIONS) WILL BE PLACED ON FINAL LAYER OF PAVEMENT AT THE END OF EACH DAYS WORK. ALL TEMPORARY STRIPING SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS OF PAVING AND THERMO PLASTIC SHALL BE PLACED WITHIN FOURTEEN (14) DAYS OF FINAL SURFACE PLACEMENT.

UNIT PRICES

41. IF BID EXCEEDS AVAILABLE FUNDS, THE METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY RESERVES THE RIGHT TO REDUCE THE QUANTITY TO FIT AVAILABLE FUNDS. ALL ITEMS SHALL BE BID WITH THE UNDERSTANDING THAT THE QUANTITY FOR ANY ITEM MAY BE INCREASED, DECREASED, OR DELETED AT THE DIRECTION OF THE ENGINEER OR THE METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY.

EXISTING SURVEY ELEMENTS

LINE TYPE	LAYER	LINE TYPE	LAYER
-----	ANNO-DIMS	-----	X-TOPO-INDX
-----	ANNO-TLB-LINE	-----	X-TOPO-INDX-ANNO
-----	ANNO-TLB-REV 1	-----	X-TOPO-INTR
-----	ANNO-DIMS	-----	X-TOPO-INTR-ANNO
-----	ANNO-SEAL	-----	X-TOPO-SPOL
-----	ANNO-TLB-TEXT	-----	X-UTIL-COMM-ANNO
-----	DEPOINTS	-----	X-UTIL-COMM-OH
-----	VPORT	-----	X-UTIL-COMM-POLE
-----	X-ANNO-DESC	-----	X-UTIL-COMM-STRC
-----	X-ANNO-DIMS	-----	X-UTIL-COMM-LINDG
-----	X-ANNO-SYMB	-----	X-UTIL-ELEC-ANNO
-----	X-BLDG	-----	X-UTIL-ELEC-OH
-----	X-BLDG-DECK	-----	X-UTIL-ELEC-POLE
-----	X-BLDG-ROOF	-----	X-UTIL-ELEC-STRC
-----	X-PROP-ANNO	-----	X-UTIL-ELEC-LINDG
-----	X-PROP-ANNO	-----	X-UTIL-GAS-ANNO
-----	X-PROP-BRNG	-----	X-UTIL-GAS-NTRL
-----	X-PROP-CNTL	-----	X-UTIL-GAS-STRC
-----	X-PROP-ESMT	-----	X-UTIL-GAS-PRD
-----	X-PROP-ESMT-ANNO	-----	X-UTIL-IRR-ANNO
-----	X-PROP-LINE	-----	X-UTIL-IRR-LINE
-----	X-PROP-LINE-GIS	-----	X-UTIL-IRR-STRC
-----	X-ROAD-ANNO	-----	X-UTIL-LGHT-ANNO
-----	X-ROAD-ASPH	-----	X-UTIL-LGHT-POLE
-----	X-ROAD-CONC	-----	X-UTIL-SSWR-ANNO
-----	X-ROAD-CNTL	-----	X-UTIL-SSWR-LINE
-----	X-ROAD-CURB	-----	X-UTIL-SSWR-MH
-----	X-ROAD-CURB-GUTR	-----	X-UTIL-STRM-ANNO
-----	X-ROAD-GRDRL	-----	X-UTIL-STRM-LINE
-----	X-ROAD-GRVL	-----	X-UTIL-STRM-STRC
-----	X-ROAD-HTCH-AGG	-----	X-UTIL-WATR-ANNO
-----	X-ROAD-HTCH-ASPH	-----	X-UTIL-WATR-LINE
-----	X-ROAD-HTCH-CONC	-----	X-UTIL-WATR-RCLM-ANNO
-----	X-ROAD-HTCH-GRVL	-----	X-UTIL-WATR-STRC
-----	X-ROAD-JOINTS	-----	X-UTIL-WATR-STRM
-----	X-ROAD-SIGNS	-----	X-VEG-ANNO
-----	X-RR-BRIDG	-----	X-VEG-SHRB
-----	X-RR-SIGN	-----	X-VEG-SHRB-ROW
-----	X-RR-SIGN-ANNO	-----	X-VEG-TREE
-----	X-RR-TRCK	-----	X-VEG-TREE-LINE
-----	X-RR-TRCK-ANNO	-----	X-WALK-AGG
-----	X-SITE-FNCE	-----	X-WALK-CONC
-----	X-SITE-FURN	-----	X-WALK-STEP
-----	X-SITE-FURN-PLAY	-----	X-WATR-BODY
-----	X-SITE-HDRL	-----	X-WATR-BODY-ANNO
-----	X-SITE-MISC	-----	X-WATR-STRM
-----	X-SITE-MISC-ANNO	-----	X-WATR-STRM-ANNO
-----	X-SITE-WALL	-----	
-----	X-TOPO-BRKLN	-----	

LEGEND

- CATCH BASIN
- AREA DRAIN
- CONTROL POINT
- WATER VALVE
- WATER METER
- BOLLARD
- POWER POLE
- SIGNAL POLE
- SIGN
- MAILBOX
- SEWER MANHOLE
- TELEPHONE BOX
- ELECTRIC BOX
- SEWER VALVE
- GUY POLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- FIRE HYDRANT
- ANCHOR
- GAS VALVE
- GAS METER
- LIGHT POLE
- PROPERTY LINE
- FENCE
- SEWER LINE
- GAS LINE
- STORM LINE
- CONCRETE
- GRASS

TENNESSEE ONE-CALL SYSTEM



BEFORE YOU DIG CALL
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NO.	DATE	BY	DESCRIPTION

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ENGINEERING CO., INC.
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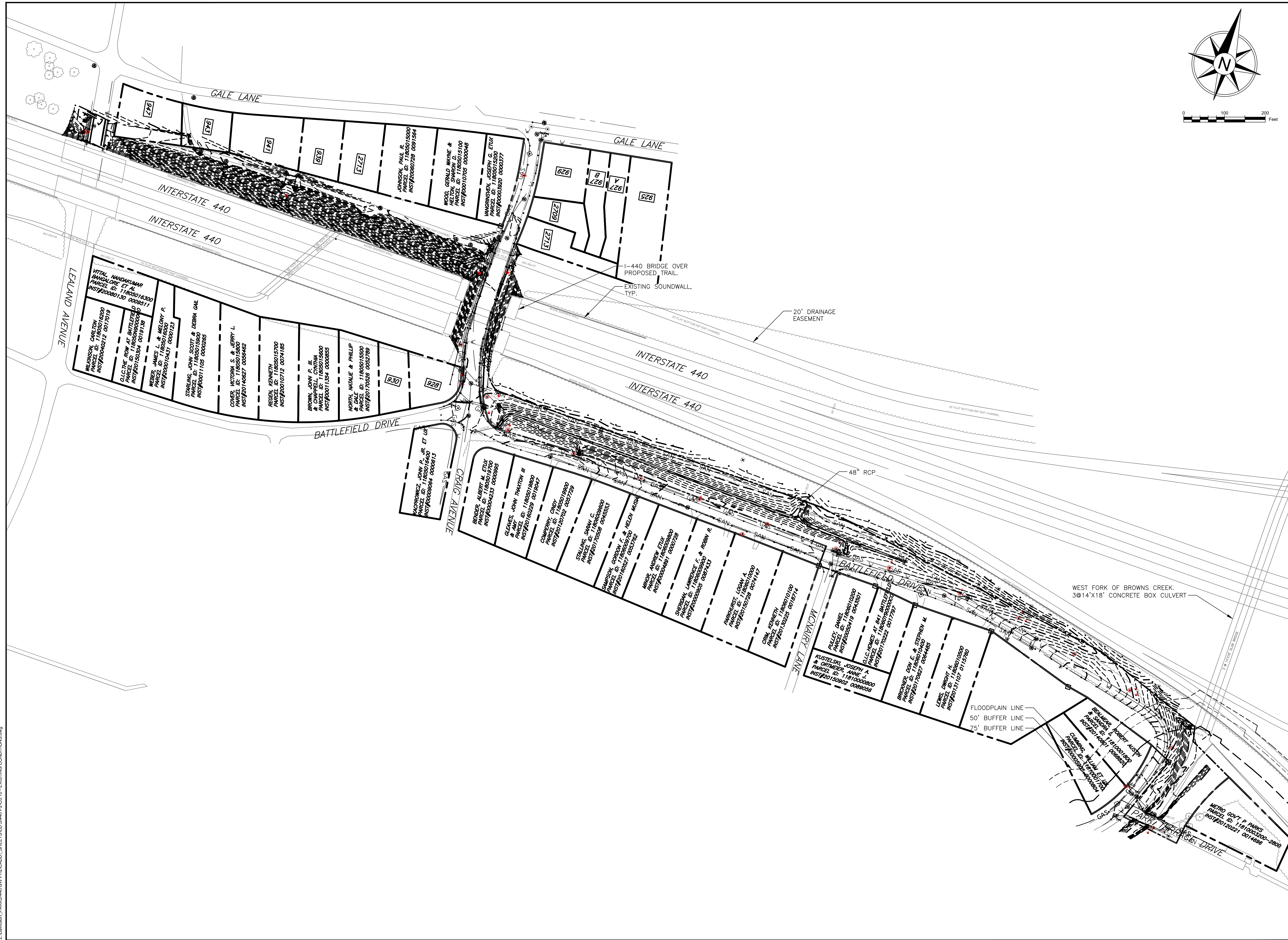
5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
PHONE: (615) 331-1441 FAX: (615) 331-1050

CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:	9-06-17
DESIGNED BY:	MLD
SUPERVISED BY:	MJP
CHECKED BY:	ERM

PAVING
NOTES



NO.	DATE	BY	DESCRIPTION

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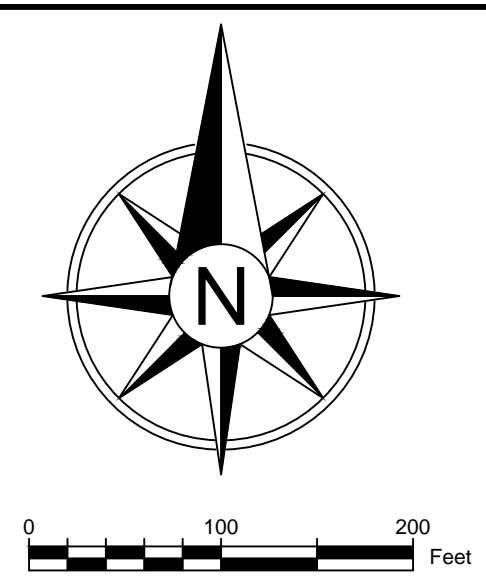
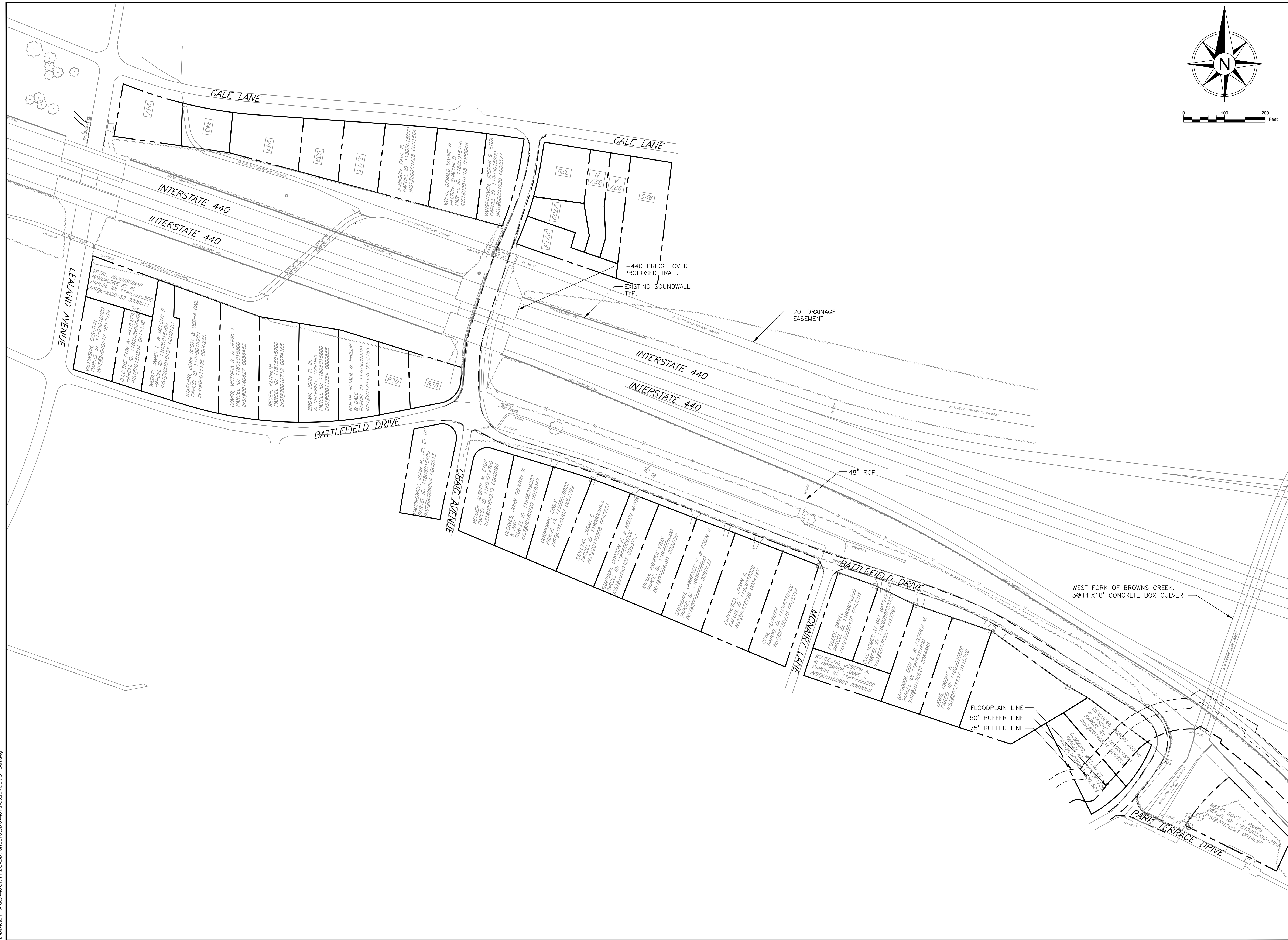
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440 GREENWAY PHASE II
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PRELIMINARY
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SUPERVISED BY: MJP
CHECKED BY: ERM

EXISTING
CONDITIONS



NO.	DATE	BY	DESCRIPTION
1	7/7/2017	???	????????????????????

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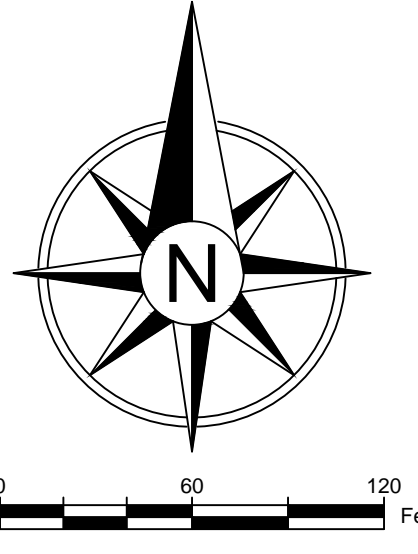
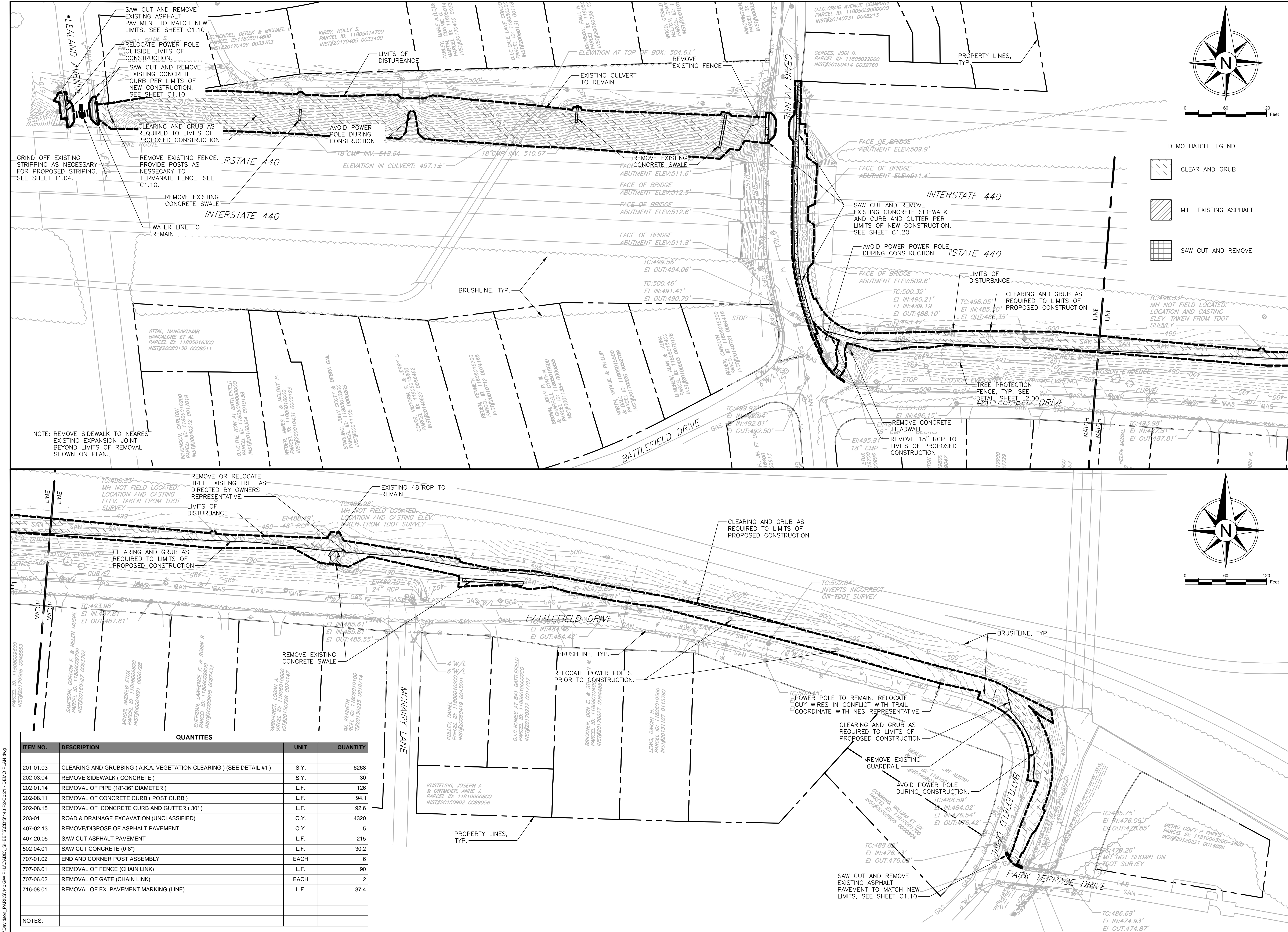
CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
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SUPERVISED BY: MJP
CHECKED BY: ERM

DEMO
PLAN

SHEET NO: C0.20



DEMO HATCH LEGEND

	CLEAR AND GRUB
	MILL EXISTING ASPHALT
	SAW CUT AND REMOVE

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201-01.03	CLEARING AND GRUBBING (A.K.A. VEGETATION CLEARING) (SEE DETAIL #1)	S.Y.	6268
202-03.04	REMOVE SIDEWALK (CONCRETE)	S.Y.	30
202-01.14	REMOVAL OF PIPE (18" 36" DIAMETER)	L.F.	126
202-08.11	REMOVAL OF CONCRETE CURB (POST CURB)	L.F.	94.1
202-08.15	REMOVAL OF CONCRETE CURB AND GUTTER (30")	L.F.	92.6
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	4320
407-02.13	REMOVE/DISPOSE OF ASPHALT PAVEMENT	C.Y.	5
407-20.05	SAW CUT ASPHALT PAVEMENT	L.F.	215
502-04.01	SAW CUT CONCRETE (0-8")	L.F.	30.2
707-01.02	END AND CORNER POST ASSEMBLY	EACH	6
707-06.01	REMOVAL OF FENCE (CHAIN LINK)	L.F.	90
707-06.02	REMOVAL OF GATE (CHAIN LINK)	EACH	2
716-08.01	REMOVAL OF EX. PAVEMENT MARKING (LINE)	L.F.	37.4

NOTES:

REVISIONS

NO.	DATE	BY	DESCRIPTION

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CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

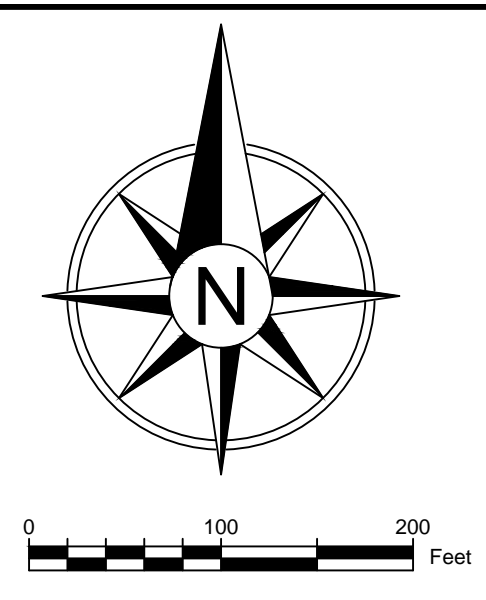
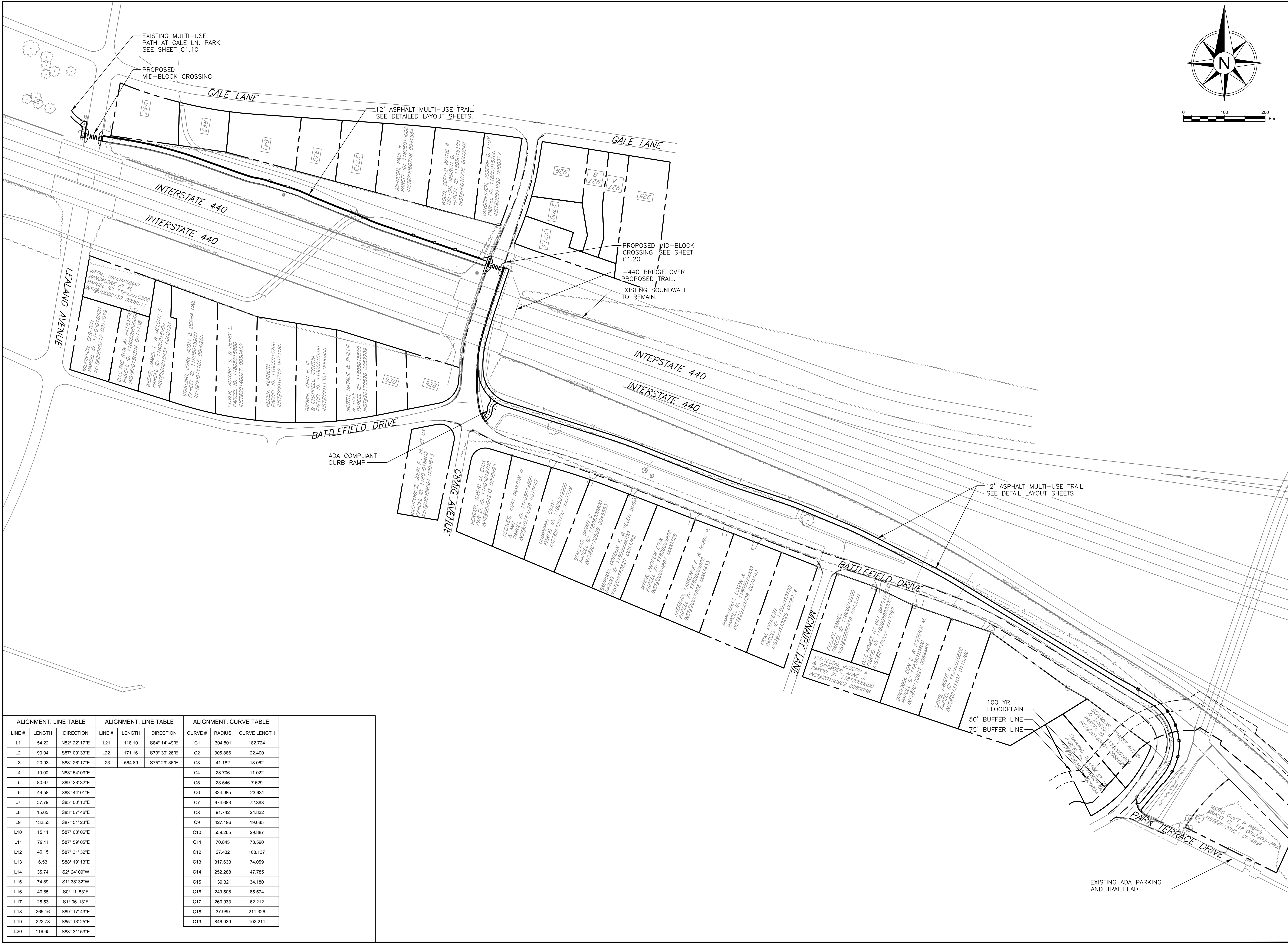
PRELIMINARY
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CONSTRUCTION

DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

OVERALL
DEMO PLAN
SHEET NO: C0.20

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9/7/2017 4:00:53 PM

Z:\Division - PARKS&REC\CADD\SHRETS\CD\S&P\C1.00-OVERALL LAYOUT.dwg
9/7/2017 4:01:24 PM



ALIGNMENT: LINE TABLE			ALIGNMENT: LINE TABLE			ALIGNMENT: CURVE TABLE		
LINE #	LENGTH	DIRECTION	LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	CURVE LENGTH
L1	54.22	N82° 22' 17"E	L21	118.10	S84° 14' 49"E	C1	304.801	182.724
L2	90.04	S87° 09' 33"E	L22	171.16	S79° 39' 26"E	C2	305.886	22.400
L3	20.93	S88° 26' 17"E	L23	564.89	S75° 29' 36"E	C3	41.182	18.062
L4	10.90	N83° 54' 09"E				C4	28.706	11.022
L5	80.67	S89° 23' 32"E				C5	23.546	7.629
L6	44.58	S83° 44' 01"E				C6	324.985	23.631
L7	37.79	S85° 00' 12"E				C7	674.683	72.398
L8	15.65	S83° 07' 46"E				C8	91.742	24.832
L9	132.53	S87° 51' 23"E				C9	427.196	19.685
L10	15.11	S87° 03' 06"E				C10	559.265	29.887
L11	79.11	S87° 59' 05"E				C11	70.845	78.590
L12	40.15	S87° 31' 32"E				C12	27.432	108.137
L13	6.53	S88° 19' 13"E				C13	317.633	74.059
L14	35.74	S2° 24' 09"W				C14	252.288	47.785
L15	74.89	S1° 38' 32"W				C15	139.321	34.180
L16	40.85	S0° 11' 53"E				C16	249.508	65.574
L17	25.53	S1° 06' 13"E				C17	260.933	62.212
L18	265.16	S89° 17' 43"E				C18	37.989	211.326
L19	222.78	S85° 13' 25"E				C19	846.939	102.211
L20	118.65	S88° 31' 53"E						

NO.	DATE	BY	DESCRIPTION
1	7/7/2017	777	777777777777777777777777

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CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
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CONSTRUCTION

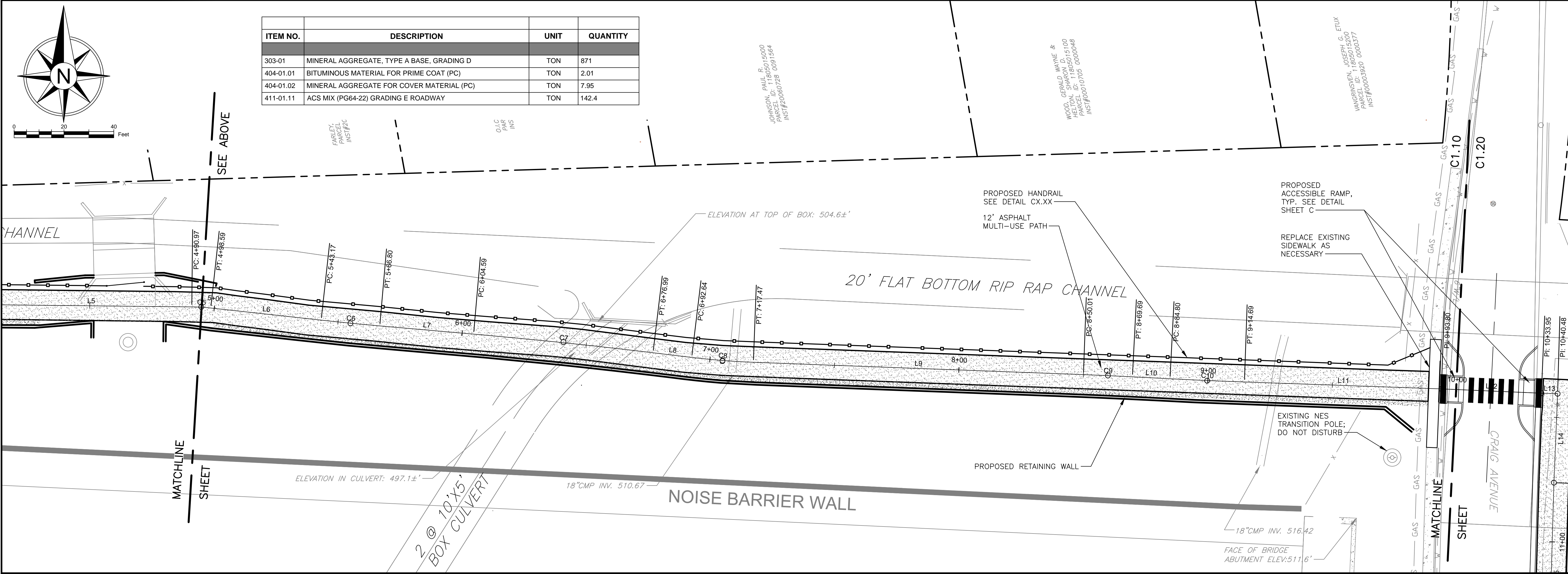
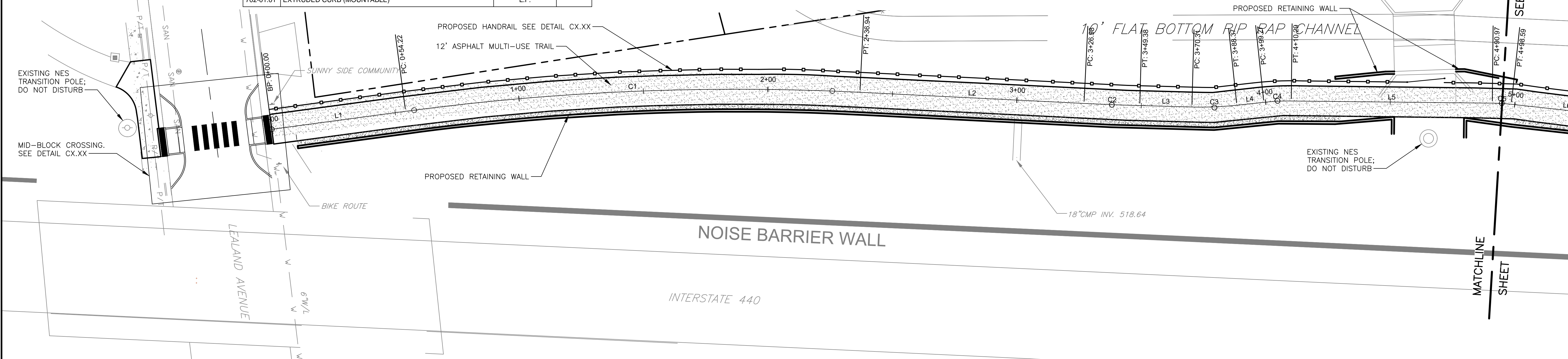
DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

LAYOUT PLAN
SHEET NO: C1.00

ALIGNMENT: LINE TABLE				ALIGNMENT: CURVE TABLE		
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	CURVE LENGTH	
L1	54.22	N82° 22' 17"E	C1	304.801	182.724	
L2	90.04	S87° 09' 33"E	C2	305.886	22.400	
L3	20.93	S88° 28' 17"E	C3	41.182	18.062	
L4	10.90	N83° 54' 09"E	C4	28.706	11.022	
L5	80.67	S89° 23' 32"E	C5	23.546	7.629	
L6	44.58	S83° 44' 01"E	C6	324.985	23.631	
L7	37.79	S85° 00' 12"E	C7	674.683	72.398	
L8	15.65	S83° 07' 46"E	C8	91.742	24.832	
L9	132.53	S87° 51' 23"E	C9	427.196	19.685	
L10	15.11	S87° 03' 06"E	C10	559.265	29.887	
L11	79.11	S87° 59' 05"E				
L12	40.15	S87° 31' 32"E				
L13	6.53	S88° 19' 13"E				
L14	35.74	S2° 24' 09"W				

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	35.93
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (ROADWAY)	TON	30.17
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (RETAINING WALL)	TON	0
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	0.00
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.02
404-01.01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	0.12
404-01.02	MINERAL AGGREGATE FOR COVER MATERIAL (PC)	TON	0.49
411-01.11	ACS MIX (PG64-22) GRADING E ROADWAY	TON	8.82
604-01.04	1 1/2" STEEL PIPE HANDRAIL (PER ADA REQUIREMENTS)	L.F.	0
701-01.01	CONCRETE SIDEWALK (4')	S.F.	233.16
701-02.01	CONCRETE CURB RAMP (6")	S.F.	
702-01	CONCRETE POST CURB (ST-201)	L.F.	
702-01.01	EXTRUDED CURB (MOUNTABLE)	L.F.	

702-03	CONCRETE CURB/GUTTER (ST-200) 30"	L.F.	88.67
707-01.02	END AND CORNER POST ASSEMBLY	EACH	5
707-08.01	VINYL COATED CHAIN LINK FENCE (4' TO 8' HT.)	S.F.	71
707-08.02	VINYL COATED CHAIN LINK FENCE GATE (4' TO 8' HT.)	S.F.	24
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	0
710-10.02	6" PERFORATED PLASTIC PIPE (TO INCLUDE FILTER CLOTH)	0	
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	0
716-02.13	PLASTIC PAVEMENT MARKING (CROSSWALK)	L.F.	42
716-04.10	PLASTIC PAVEMENT MARKING (HANDICAP SYMBOL)	L.F.	0
716-05.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	L.F.	18.68
716-05.08	PLASTIC PAVEMENT MARKING (PARKING LINES)	L.F.	0
SP-3	BOLLARDS (REMOVABLE) (SEE DETAIL # 5)	EACH	4
SP-4	BOLLARDS (PERMANENT) (SEE DETAIL # 6)	EACH	0
SP-5	MINOR TRAILHEAD SIGN (SEE DETAIL # 7)	EACH	0
SP-6	MAJOR TRAILHEAD SIGN KIOSK (SEE DETAIL # 8)	EACH	1
SP-24	LANDSCAPE BOULDERS (FURNISH/PLACE)	EACH	0



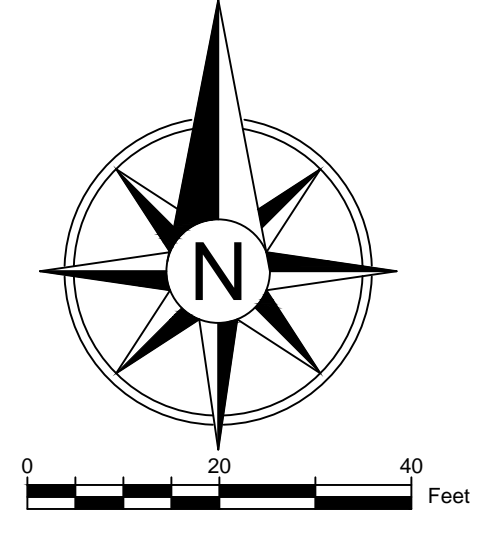
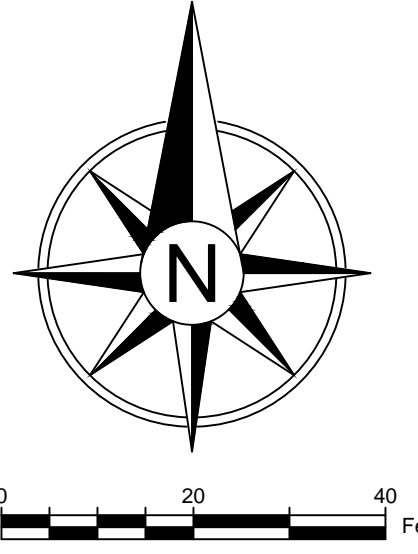
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	871
404-01.01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	2.01
404-01.02	MINERAL AGGREGATE FOR COVER MATERIAL (PC)	TON	7.95
411-01.11	ACS MIX (PG64-22) GRADING E ROADWAY	TON	142.4

KIRBY, HOLLY S.
 PARCEL ID: 11805014700
 INST#20170405 0033400

JOHNSON, PAUL R.
 PARCEL ID: 118015000
 INST#20060729 0091564

WOOD, GERALD WAYNE &
 WARRON D.
 PARCEL ID: 11805015200
 INST#20060729 0000048

WAGHANSIEM, JOSEPH G. ETUX
 PARCEL ID: 11805015200
 INST#20060729 0000377



NO.	DATE	BY	DESCRIPTION

COLLIER
 ENGINEERING CO., INC.
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5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
 PHONE: (615) 331-1441 FAX: (615) 331-1050

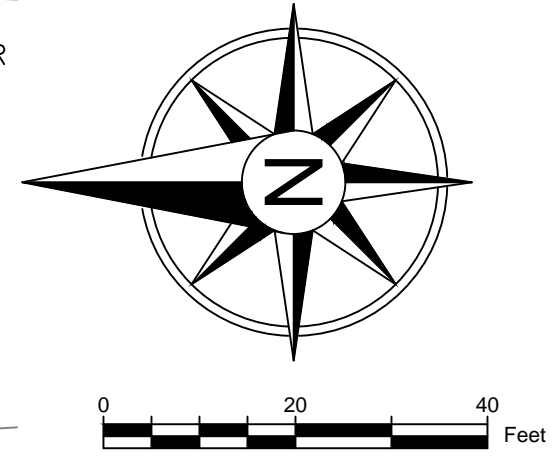
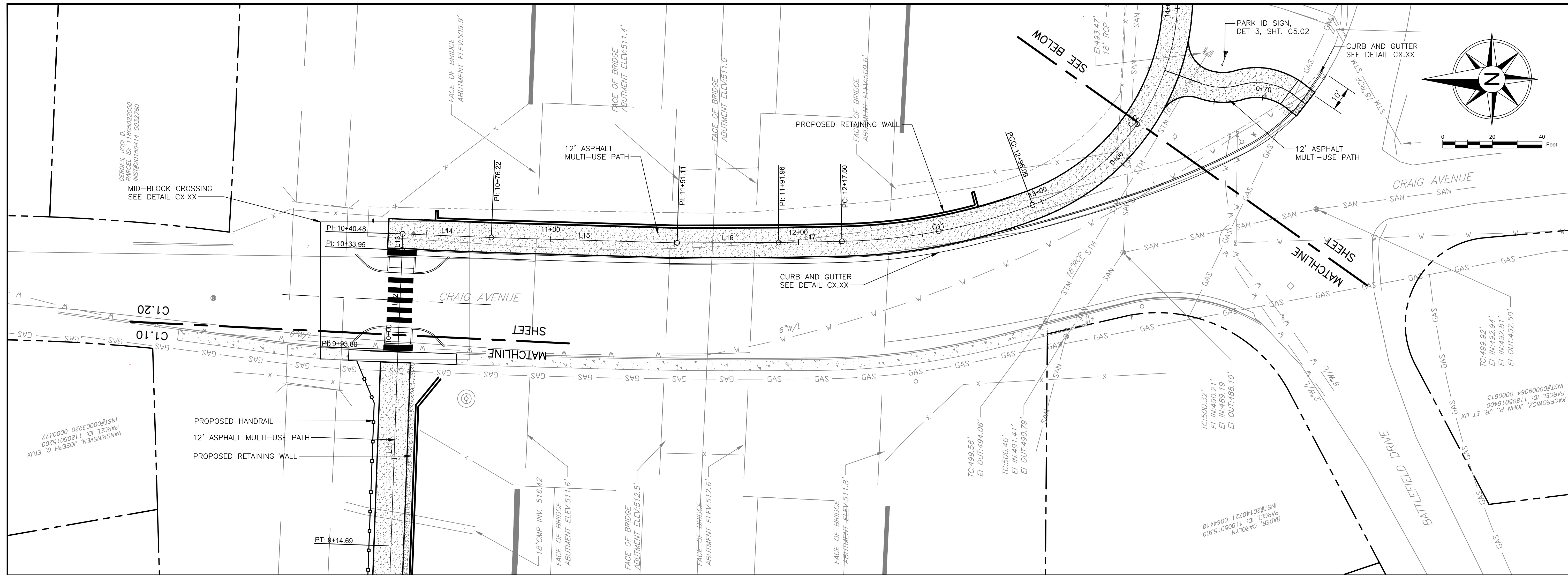
PRELIMINARY DOCUMENTS
 440 GREENWAY PHASE II
 DEPARTMENT OF PARKS AND RECREATION
 METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY NOT FOR CONSTRUCTION

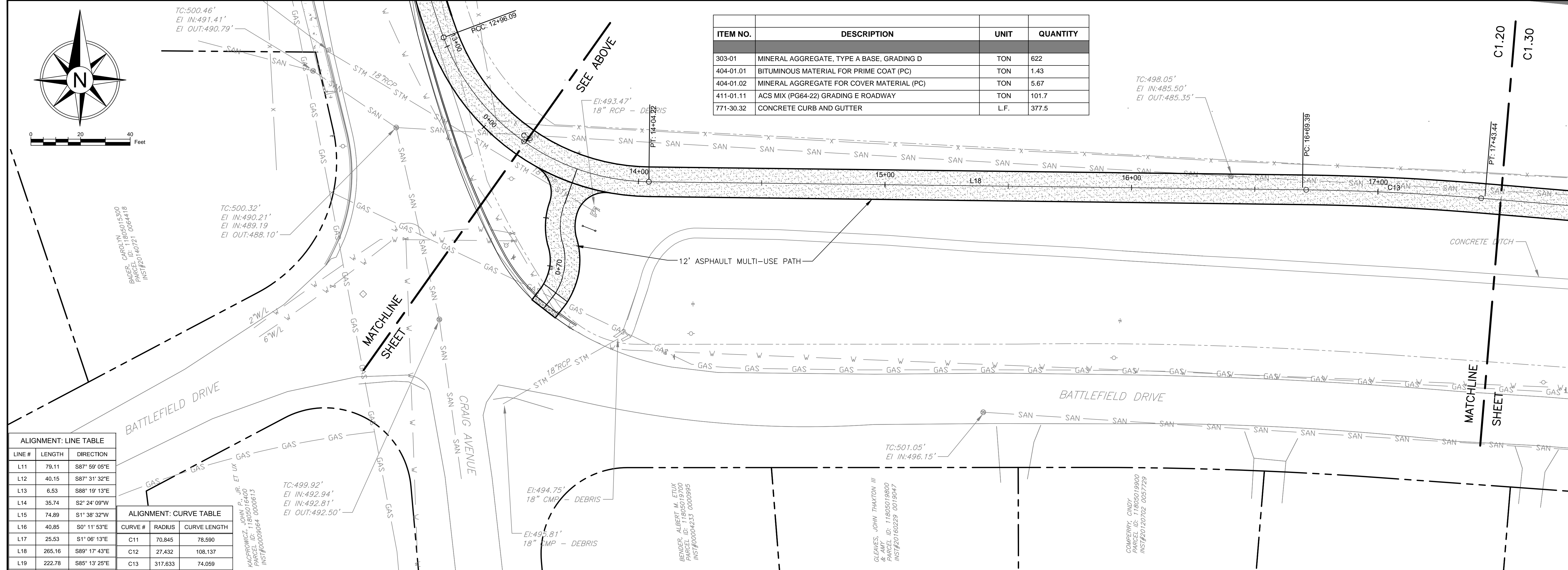
DATE: 3-13-17
 DESIGNED BY: MLD
 SUPERVISED BY: MJP
 CHECKED BY: ERM

LAYOUT PLAN

SHEET NO: C1.10



ITEM NO.	DESCRIPTION	UNIT	QUANTITY
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	622
404-01.01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	1.43
404-01.02	MINERAL AGGREGATE FOR COVER MATERIAL (PC)	TON	5.67
411-01.11	ACS MIX (PG64-22) GRADING E ROADWAY	TON	101.7
771-30.32	CONCRETE CURB AND GUTTER	L.F.	377.5



ALIGNMENT: LINE TABLE

LINE #	LENGTH	DIRECTION
L11	79.11	S87° 59' 05"E
L12	40.15	S87° 31' 32"E
L13	6.53	S88° 19' 13"E
L14	35.74	S2° 24' 09"W
L15	74.89	S1° 38' 32"W
L16	40.85	S0° 11' 53"E
L17	25.53	S1° 06' 13"E
L18	265.16	S89° 17' 43"E
L19	222.78	S85° 13' 25"E

ALIGNMENT: CURVE TABLE

	CURVE #	RADIUS	CURVE LENGTH
L14	C11	70.845	78.590
L18	C12	27.432	108.137
L19	C13	317.633	74.059

NO.	DATE	BY	DESCRIPTION

COLLIER
ENGINEERING CO., INC.
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5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
PHONE: (615) 331-1441 FAX: (615) 331-1050

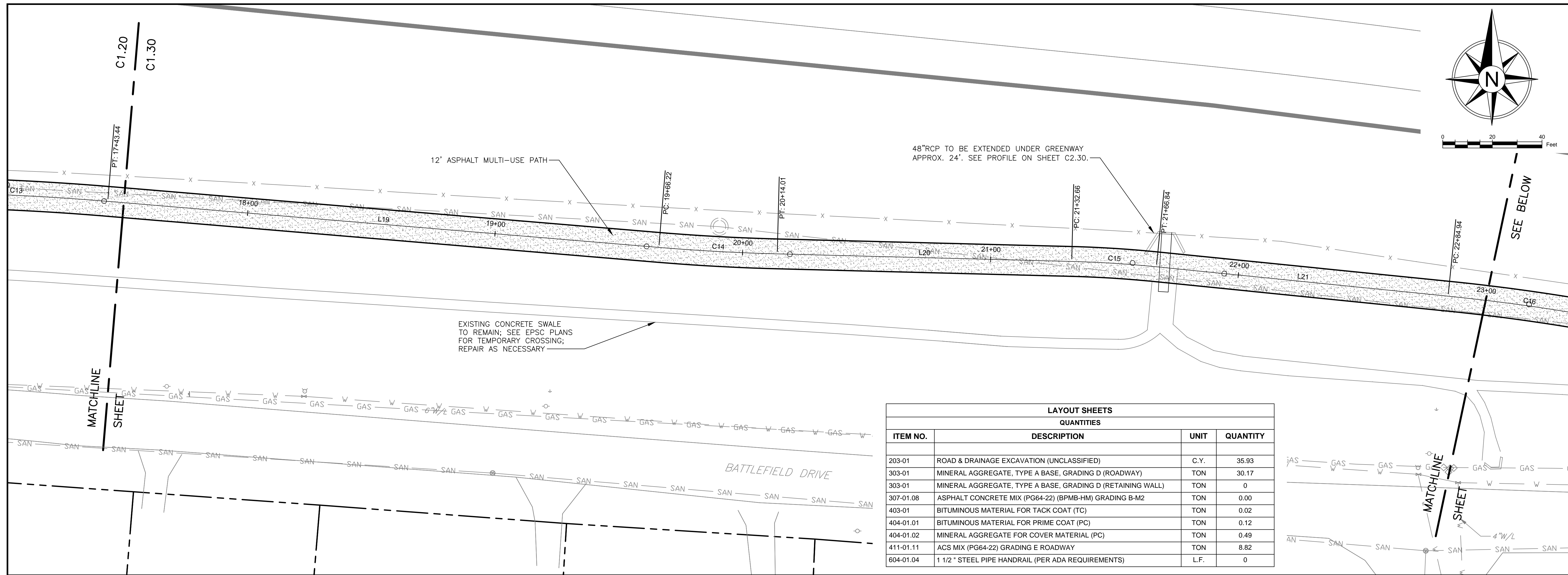
PRELIMINARY DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
CONSTRUCTION

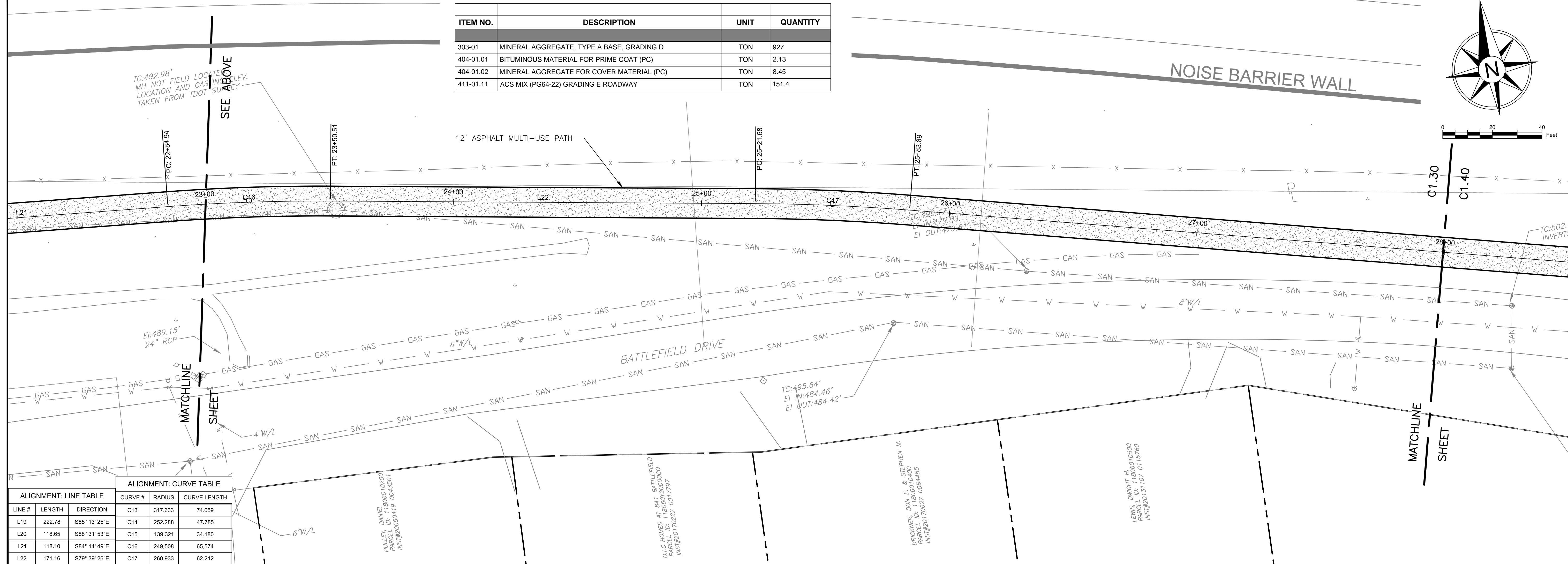
DATE: 3-13-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

LAYOUT PLAN

SHEET NO: C1.20



LAYOUT SHEETS QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	35.93
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (ROADWAY)	TON	30.17
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (RETAINING WALL)	TON	0
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPM-B-HM) GRADING B-M2	TON	0.00
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.02
404-01.01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	0.12
404-01.02	MINERAL AGGREGATE FOR COVER MATERIAL (PC)	TON	0.49
411-01.11	ACS MIX (PG64-22) GRADING E ROADWAY	TON	8.82
604-01.04	1 1/2" STEEL PIPE HANDRAIL (PER ADA REQUIREMENTS)	L.F.	0



ITEM NO.	DESCRIPTION	UNIT	QUANTITY
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	927
404-01.01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	2.13
404-01.02	MINERAL AGGREGATE FOR COVER MATERIAL (PC)	TON	8.45
411-01.11	ACS MIX (PG64-22) GRADING E ROADWAY	TON	151.4

ALIGNMENT: LINE TABLE			ALIGNMENT: CURVE TABLE		
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	CURVE LENGTH
L19	222.78	S85° 13' 25"E	C13	317.633	74.059
L20	118.85	S88° 31' 53"E	C14	252.288	47.785
L21	118.10	S84° 14' 49"E	C15	139.321	34.180
L22	171.16	S79° 39' 28"E	C16	249.508	65.574
			C17	260.933	62.212

NO.	DATE	BY	DESCRIPTION

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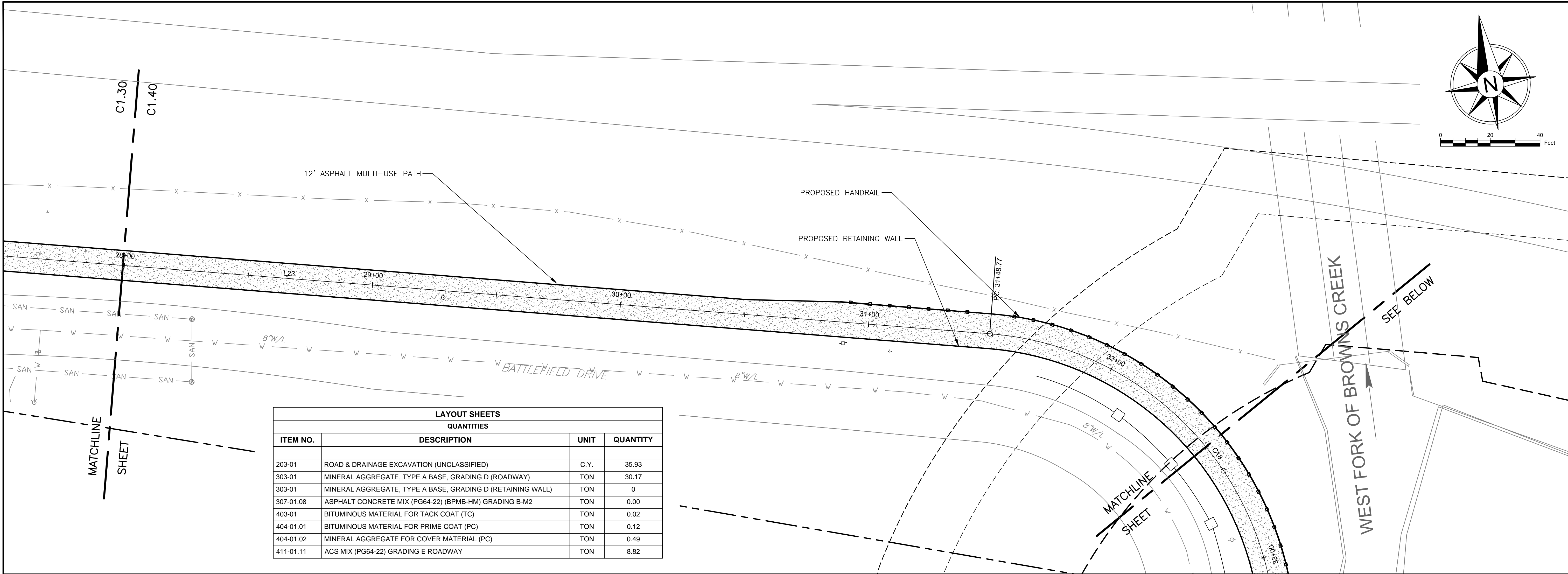
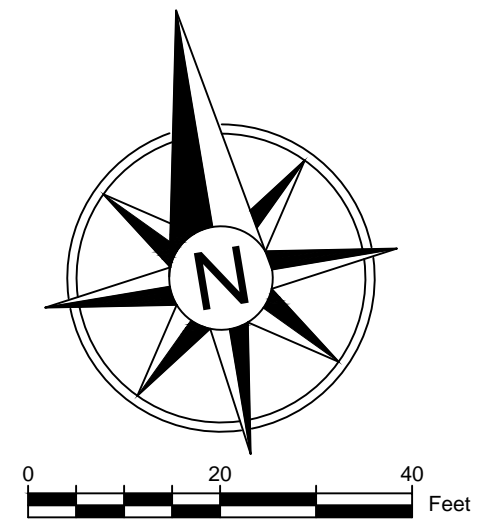
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440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY NOT FOR CONSTRUCTION

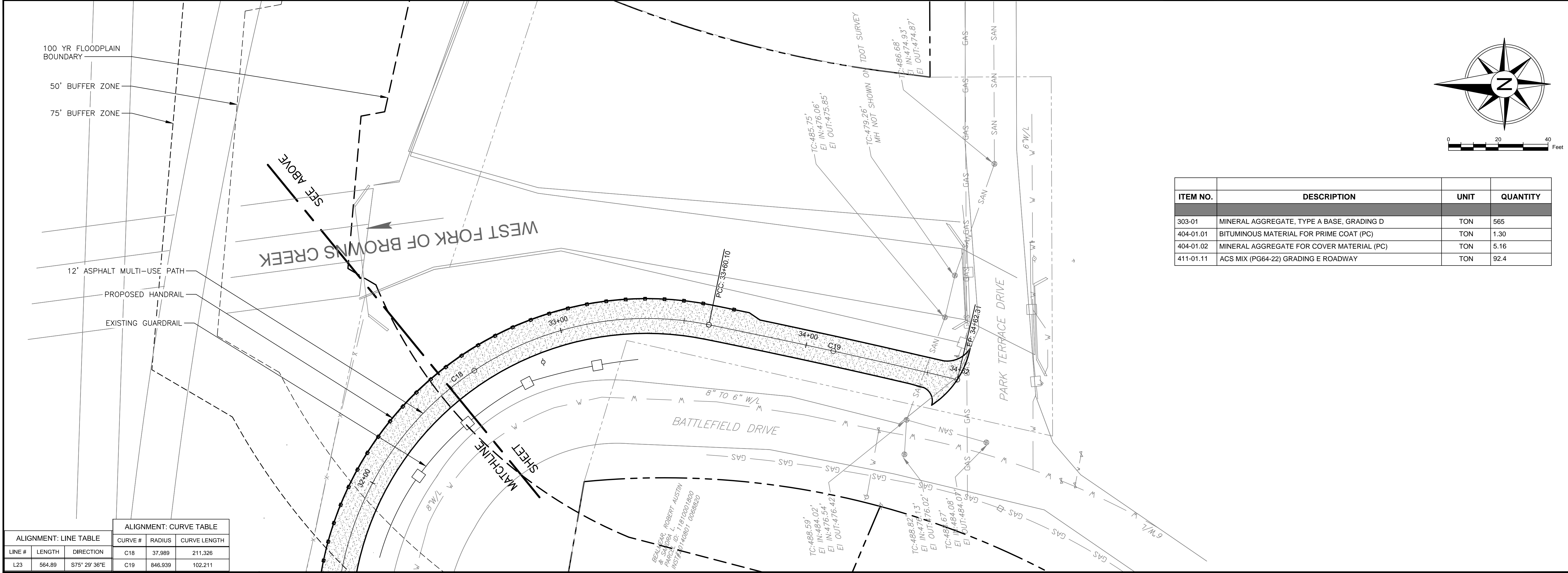
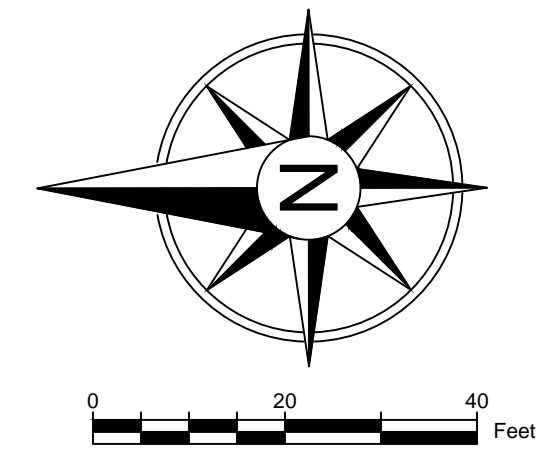
DATE: 3-13-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

LAYOUT PLAN

SHEET NO: C1.30



LAYOUT SHEETS QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	35.93
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (ROADWAY)	TON	30.17
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (RETAINING WALL)	TON	0
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	0.00
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.02
404-01.01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	0.12
404-01.02	MINERAL AGGREGATE FOR COVER MATERIAL (PC)	TON	0.49
411-01.11	ACS MIX (PG64-22) GRADING E ROADWAY	TON	8.82



ITEM NO.	DESCRIPTION	UNIT	QUANTITY
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	565
404-01.01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	1.30
404-01.02	MINERAL AGGREGATE FOR COVER MATERIAL (PC)	TON	5.16
411-01.11	ACS MIX (PG64-22) GRADING E ROADWAY	TON	92.4

ALIGNMENT: LINE TABLE				ALIGNMENT: CURVE TABLE		
LINE #	LENGTH	DIRECTION	CURVE #	RADIUS	CURVE LENGTH	
L23	564.89	S75° 29' 38" E	C18	37,989	211,326	
			C19	846,939	102,211	

NO.	DATE	BY	DESCRIPTION

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PRELIMINARY DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
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DATE: 3-13-17
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CHECKED BY: ERM

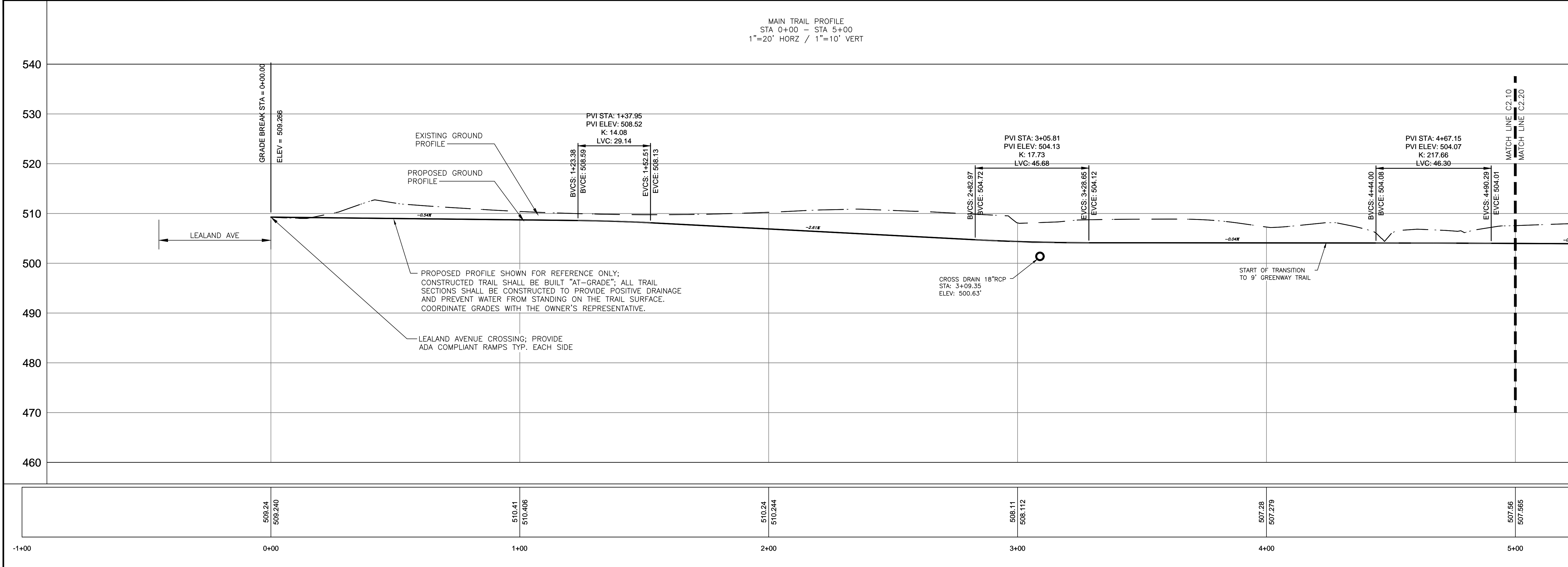
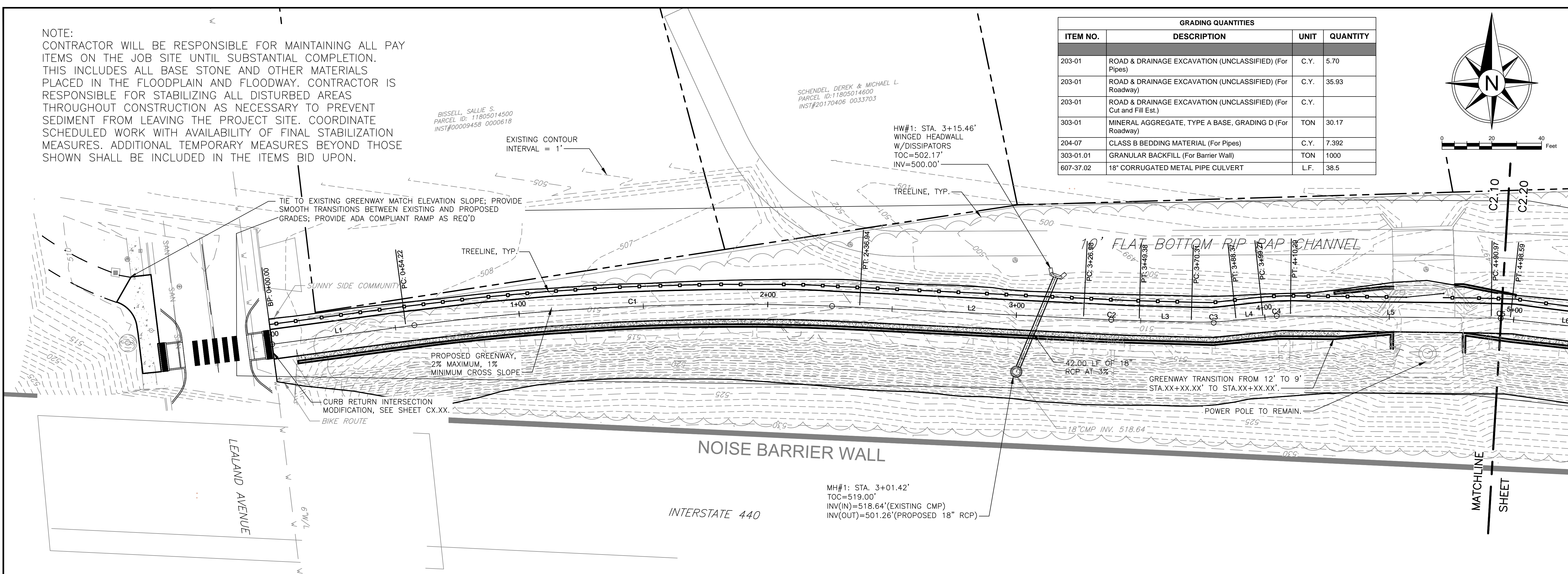
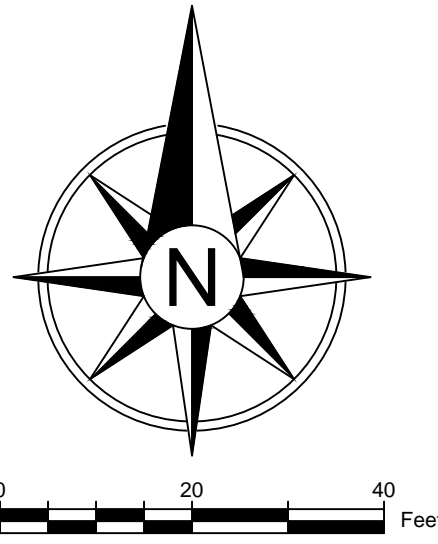
LAYOUT
PLAN
SHEET NO: C1.40

NOTE:
CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL PAY ITEMS ON THE JOB SITE UNTIL SUBSTANTIAL COMPLETION. THIS INCLUDES ALL BASE STONE AND OTHER MATERIALS PLACED IN THE FLOODPLAIN AND FLOODWAY. CONTRACTOR IS RESPONSIBLE FOR STABILIZING ALL DISTURBED AREAS THROUGHOUT CONSTRUCTION AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE PROJECT SITE. COORDINATE SCHEDULED WORK WITH AVAILABILITY OF FINAL STABILIZATION MEASURES. ADDITIONAL TEMPORARY MEASURES BEYOND THOSE SHOWN SHALL BE INCLUDED IN THE ITEMS BID UPON.

BISSELL, SALLIE S.
PARCEL ID: 11805014500
INST#00009458 0000618

SCHENDEL, DEREK & MICHAEL L.
PARCEL ID: 11805014600
INST#20170406 0033703

GRADING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) (For Pipes)	C.Y.	5.70
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) (For Roadway)	C.Y.	35.93
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) (For Cut and Fill Est.)	C.Y.	
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D (For Roadway)	TON	30.17
204-07	CLASS B BEDDING MATERIAL (For Pipes)	C.Y.	7.392
303-01.01	GRANULAR BACKFILL (For Barrier Wall)	TON	1000
607-37.02	18" CORRUGATED METAL PIPE CULVERT	L.F.	38.5



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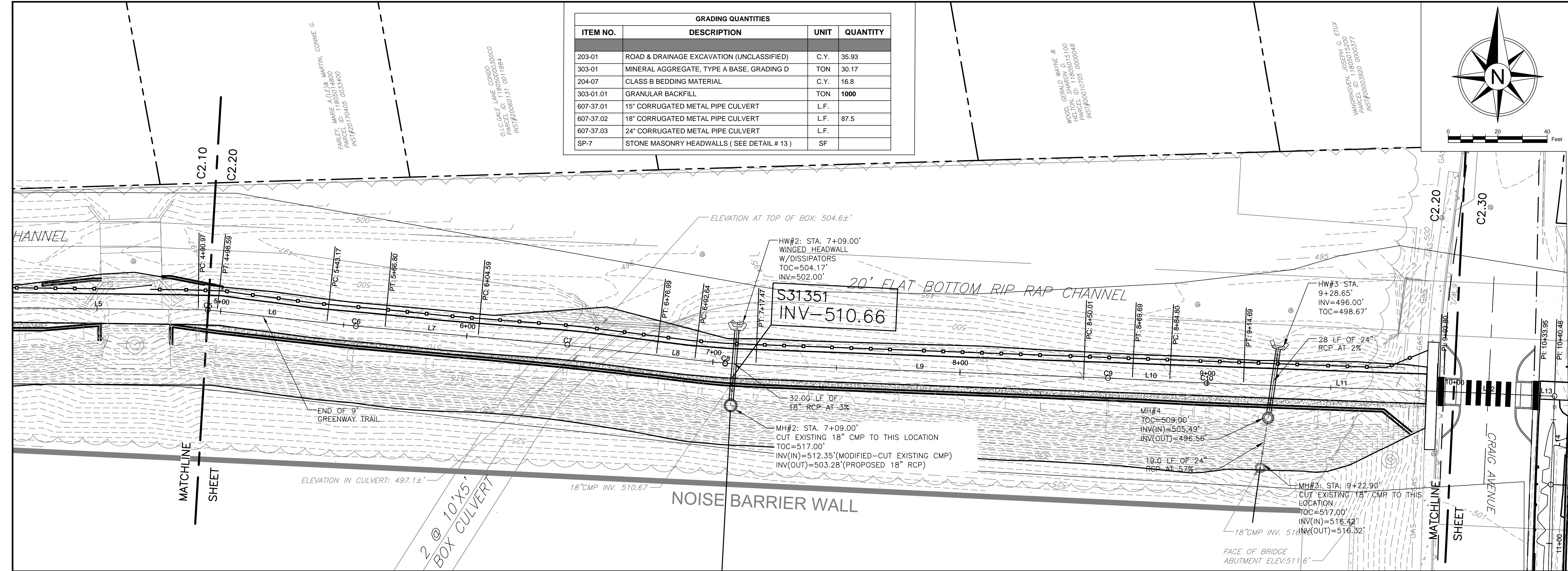
CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
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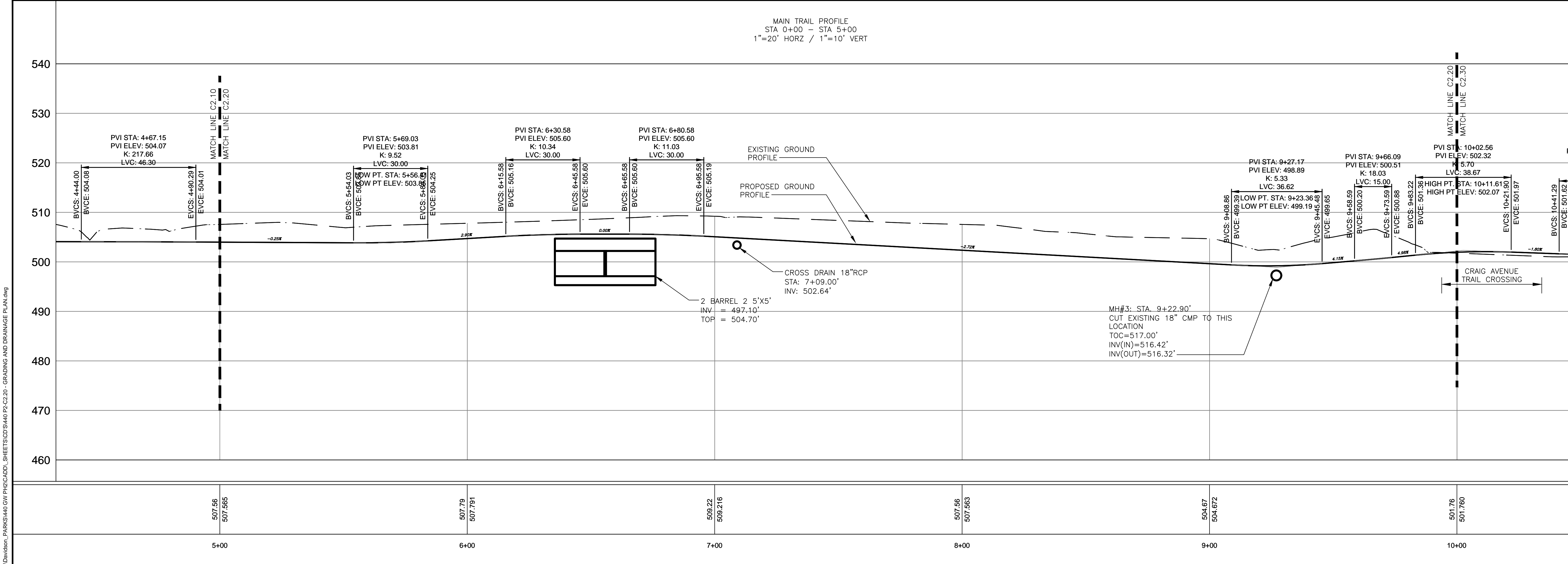
DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

GRADING
PLAN

SHEET NO: C2.10



GRADING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	35.93
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	30.17
204-07	CLASS B BEDDING MATERIAL	C.Y.	16.8
303-01.01	GRANULAR BACKFILL	TON	1000
607-37.01	15" CORRUGATED METAL PIPE CULVERT	L.F.	
607-37.02	18" CORRUGATED METAL PIPE CULVERT	L.F.	87.5
607-37.03	24" CORRUGATED METAL PIPE CULVERT	L.F.	
SP-7	STONE MASONRY HEADWALLS (SEE DETAIL # 13)	SF	



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NO.	DATE	BY	DESCRIPTION

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CONSULTING & DESIGN & CONSTRUCTION

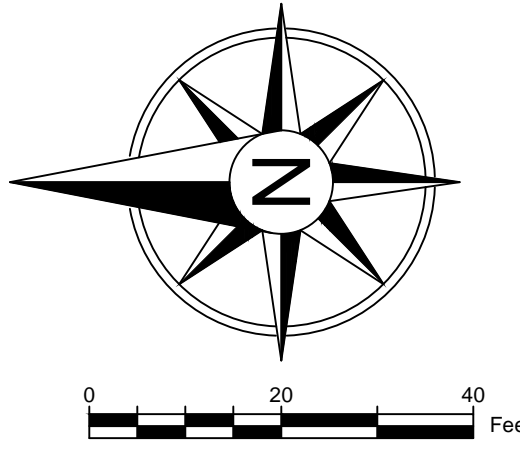
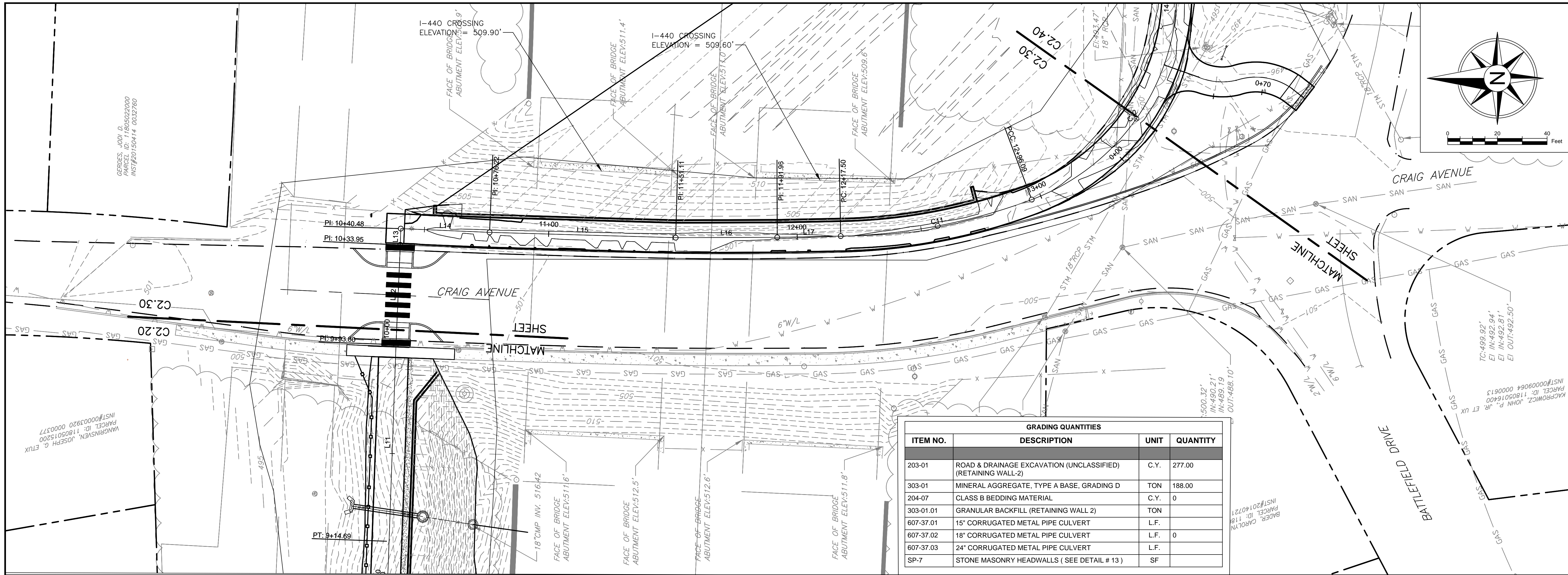
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CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

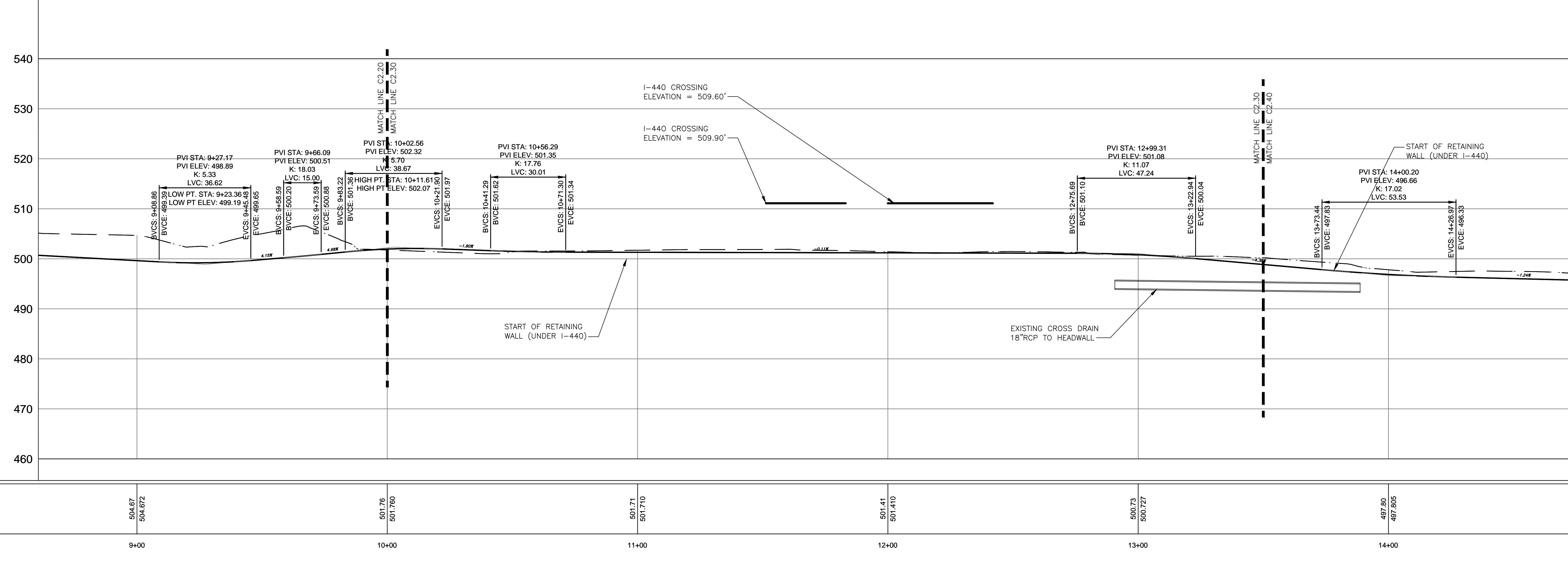
PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

GRADING
PLAN
SHEET NO: C2.20



GRADING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED) (RETAINING WALL-2)	C.Y.	277.00
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	188.00
204-07	CLASS B BEDDING MATERIAL	C.Y.	0
303-01-01	GRANULAR BACKFILL (RETAINING WALL 2)	TON	
607-37.01	15" CORRUGATED METAL PIPE CULVERT	L.F.	
607-37.02	18" CORRUGATED METAL PIPE CULVERT	L.F.	0
607-37.03	24" CORRUGATED METAL PIPE CULVERT	L.F.	
SP-7	STONE MASONRY HEADWALLS (SEE DETAIL # 13)	SF	



REVISIONS	
NO.	DESCRIPTION

COLLIER
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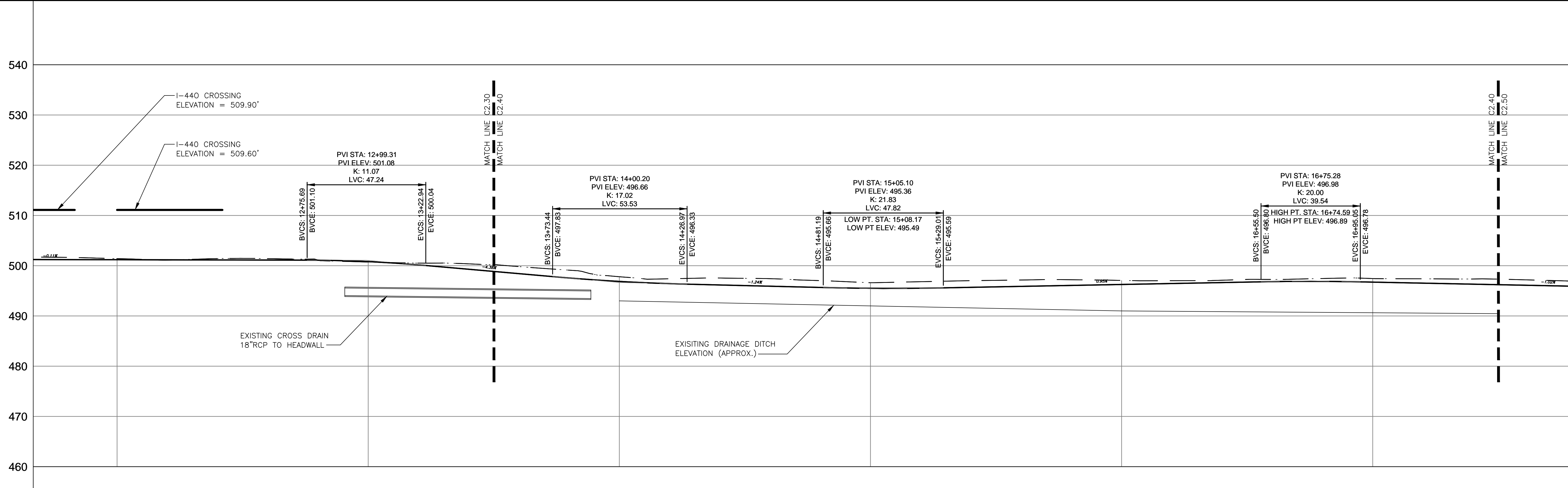
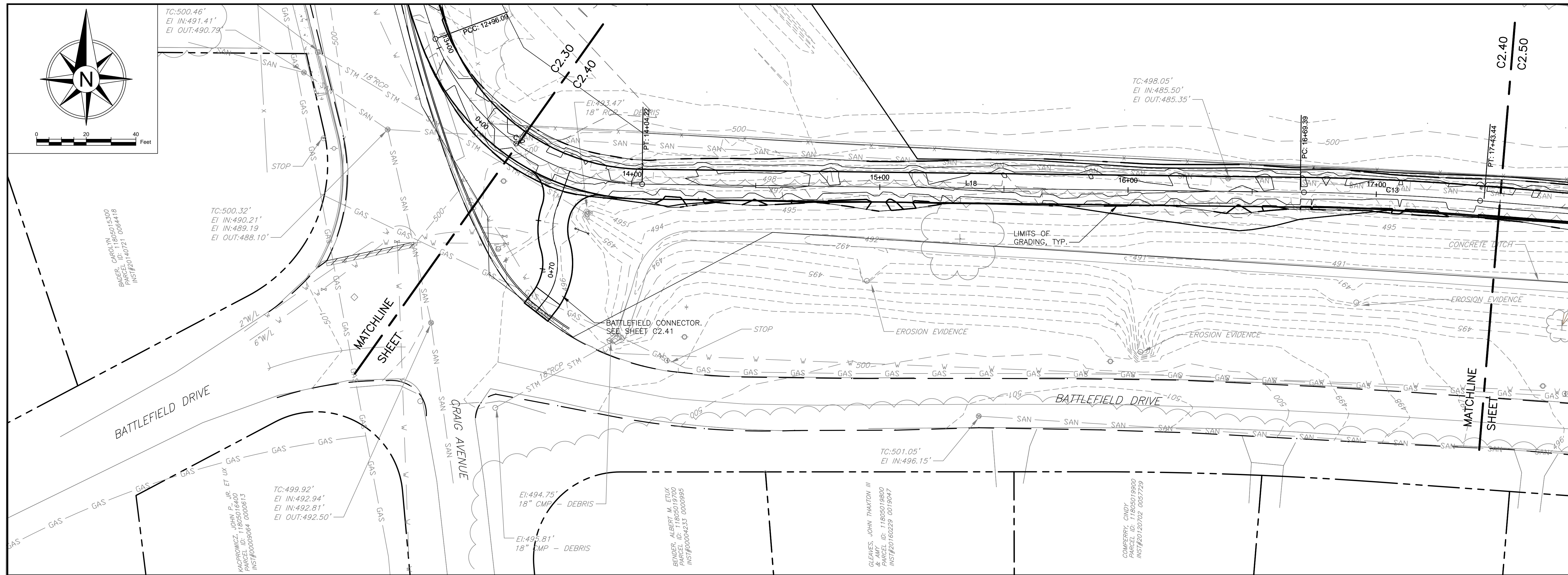
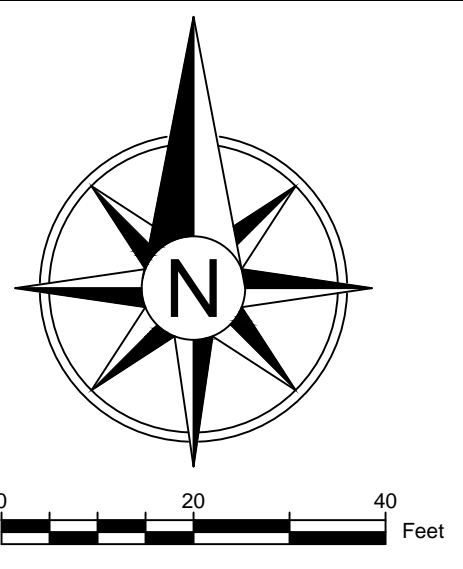
CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

GRADING PLAN

SHEET NO: C2.30



501.41 501.410	500.73 500.727	497.80 497.805	496.61 496.613	497.07 497.069	497.44 497.440
12+00	13+00	14+00	15+00	16+00	17+00

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NO.	DATE	BY	DESCRIPTION

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CONSULTING DESIGN & CONSTRUCTION

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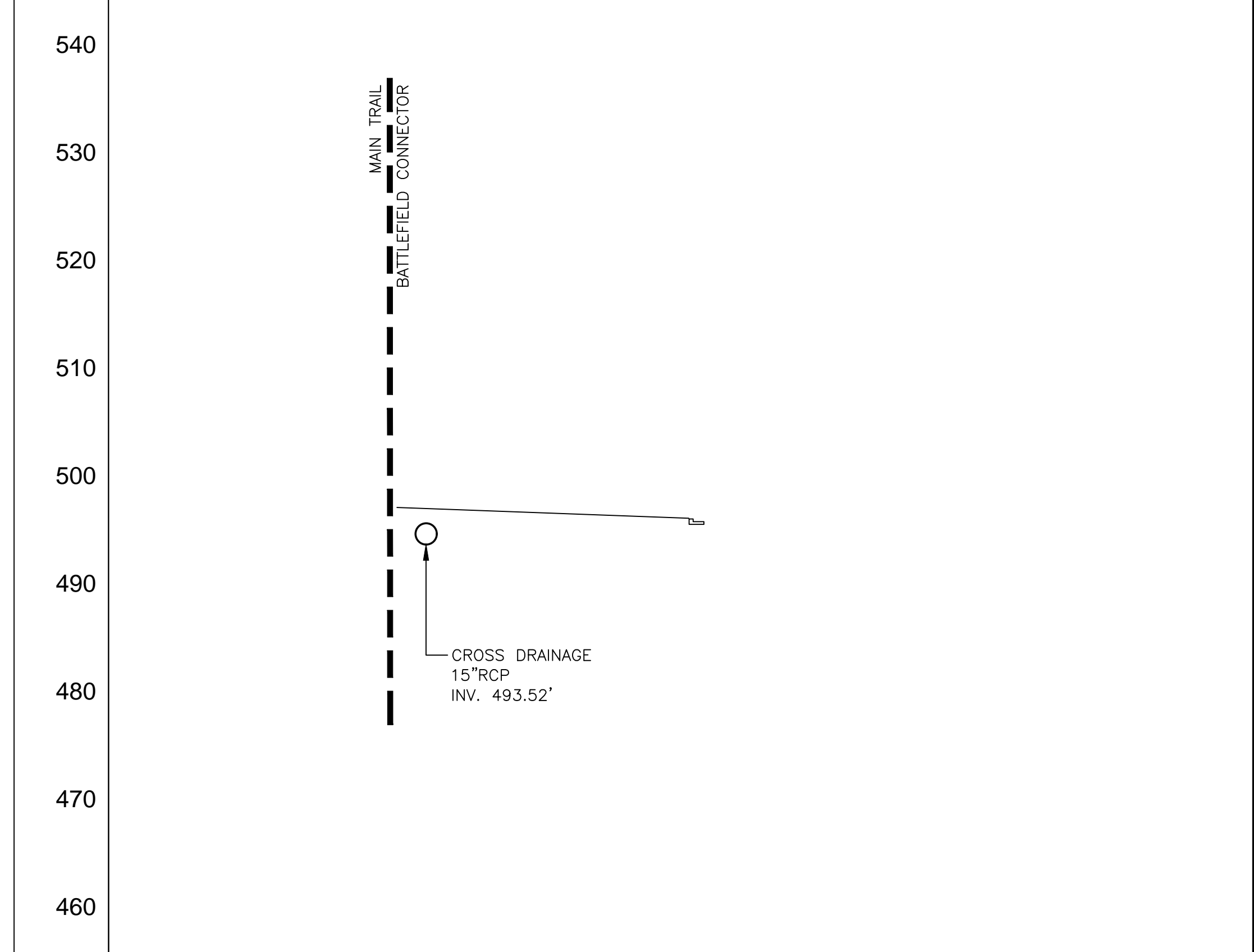
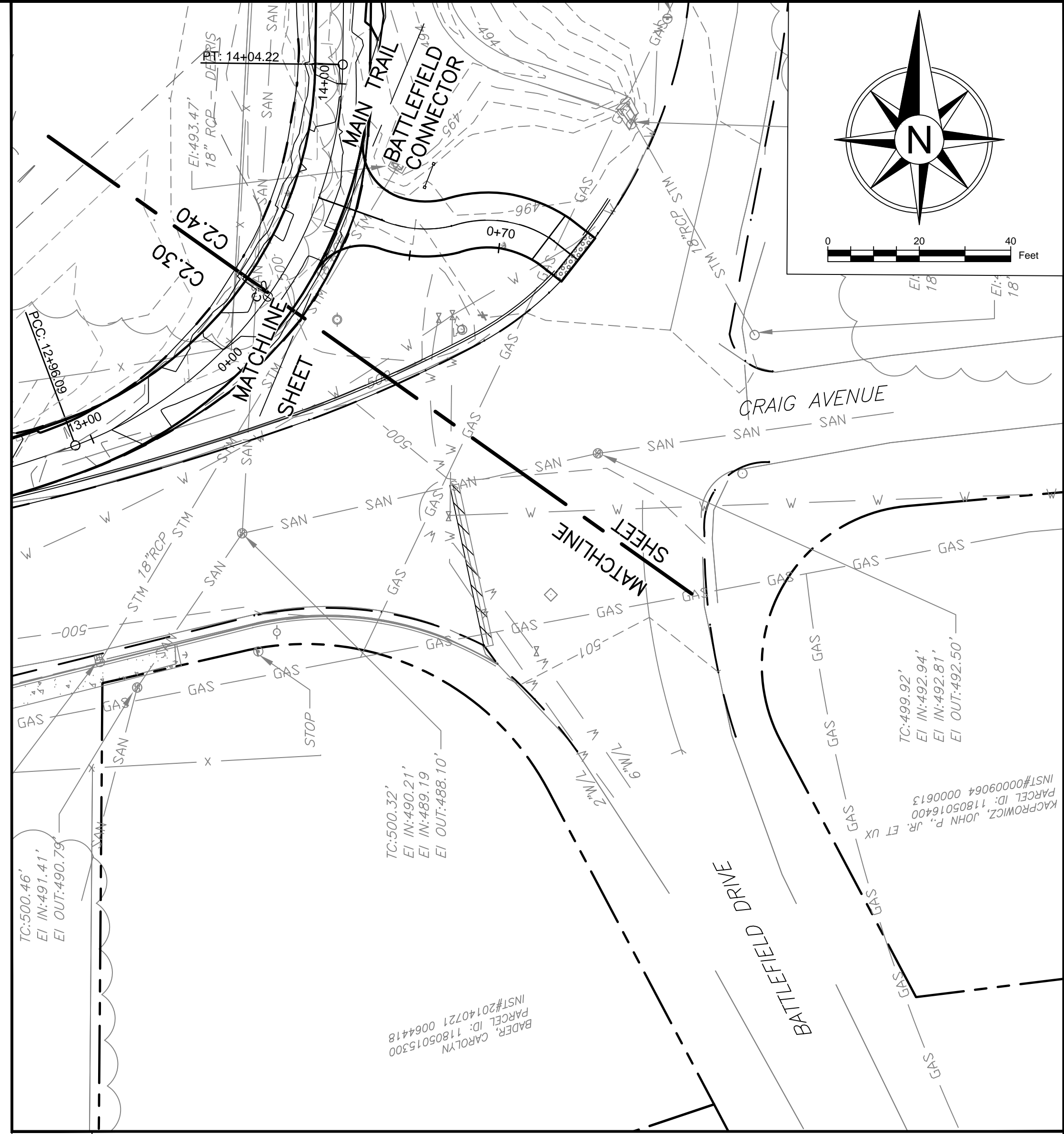
CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
CONSTRUCTION

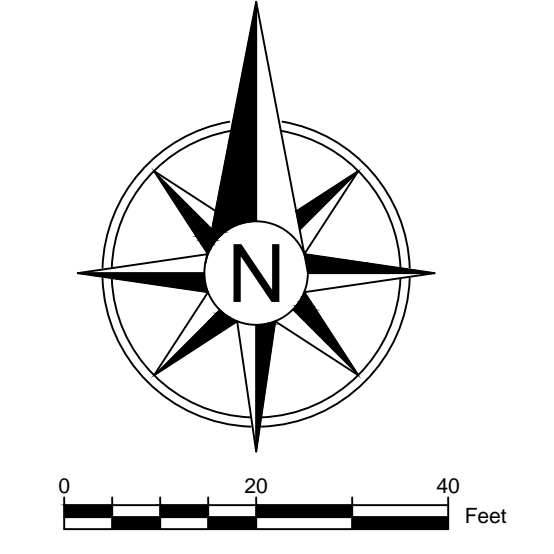
DATE: 9-06-17
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SUPERVISED BY: MJP
CHECKED BY: ERM

GRADING
PLAN

SHEET NO: C2.40



497.07 497.069	497.44 497.440
16+00	17+00



NO.	DATE	BY	DESCRIPTION

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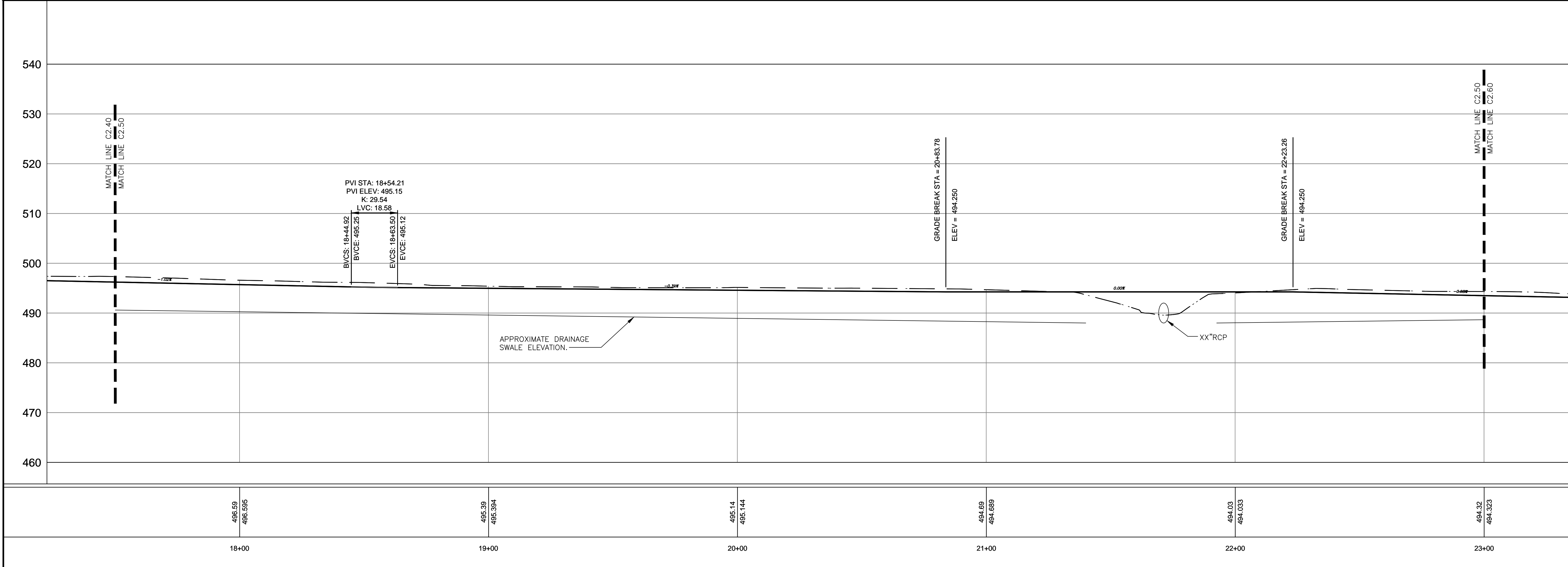
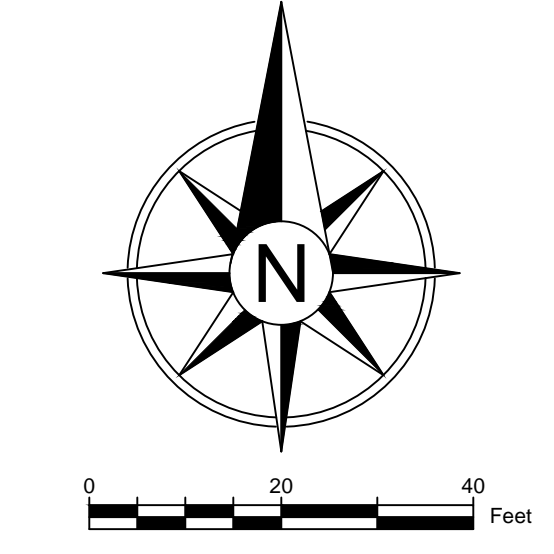
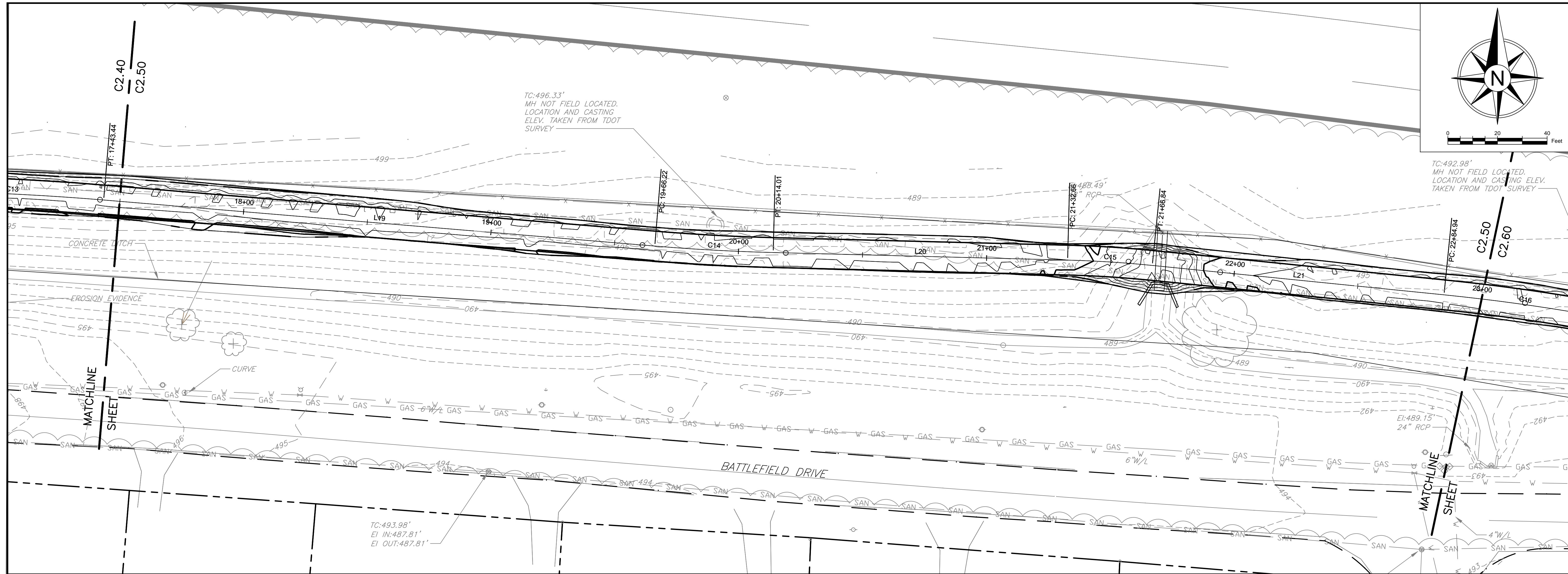
CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
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DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

**GRADING
PLAN**

SHEET NO: C2.41



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9/7/2017 4:13:12 PM

NO.	DATE	BY	DESCRIPTION

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5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
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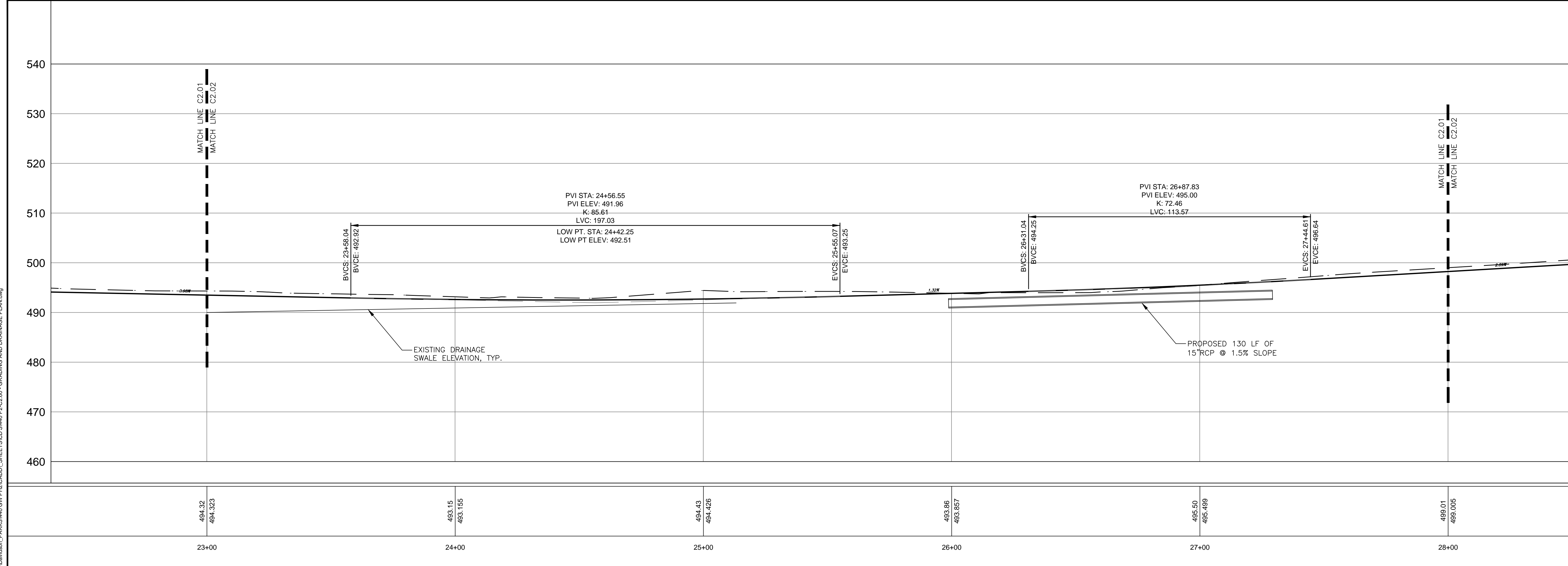
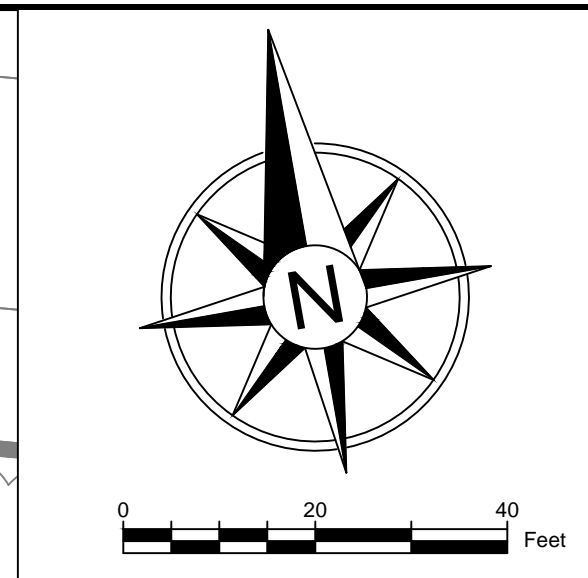
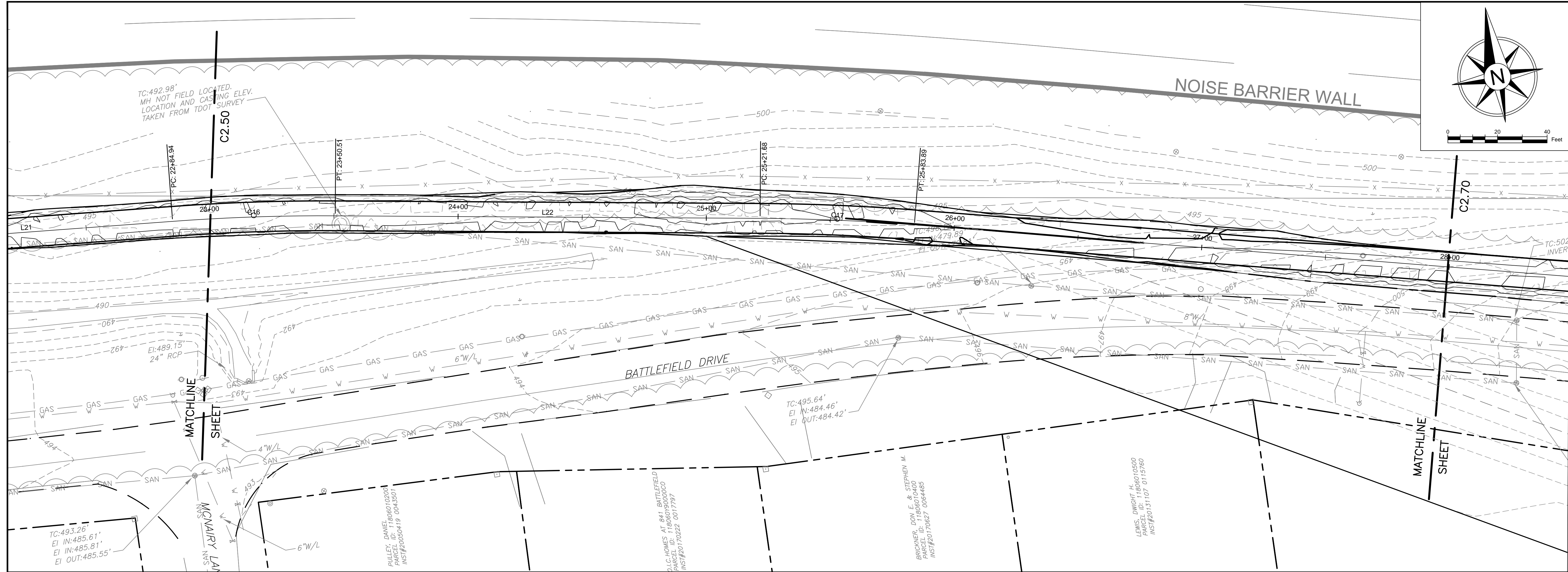
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440 GREENWAY PHASE II
DEPARTMENT OF PARKS AND RECREATION
METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

GRADING PLAN

SHEET NO: C2.50



494.32 494.323	23+00	493.15 493.155	24+00	494.43 494.426	25+00	493.86 493.857	26+00	495.50 495.499	27+00	499.01 499.005	28+00
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NO.	DATE	BY	DESCRIPTION

COLLIER
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CONSULTING DESIGN & CONSTRUCTION

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METRO DAVIDSON COUNTY, TENNESSEE

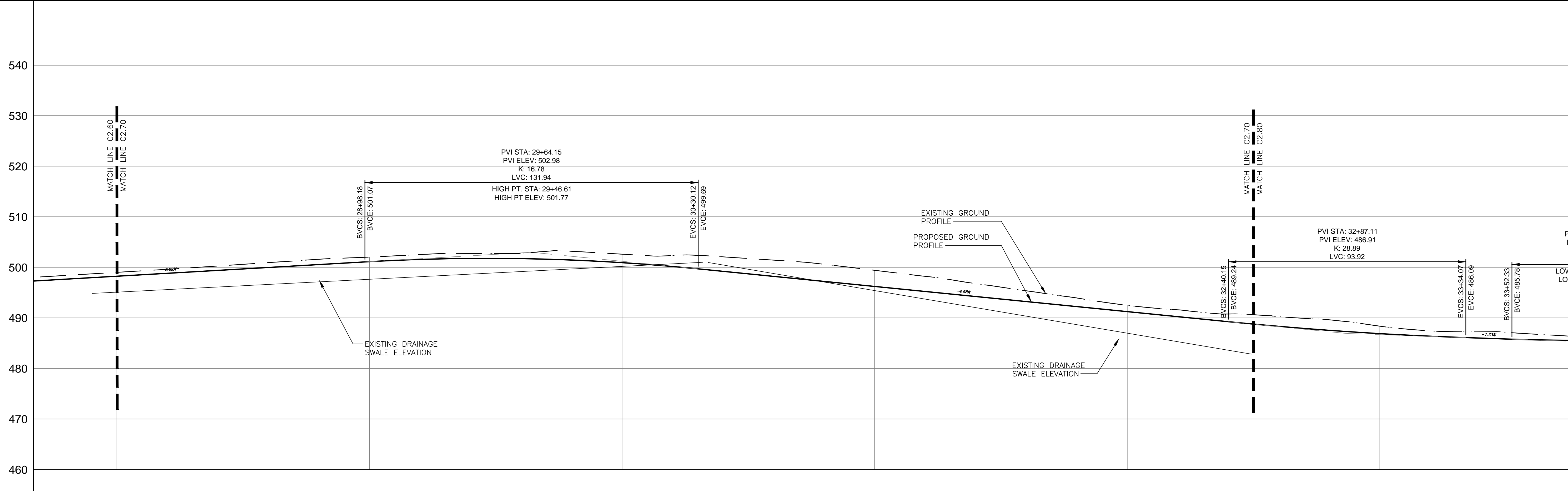
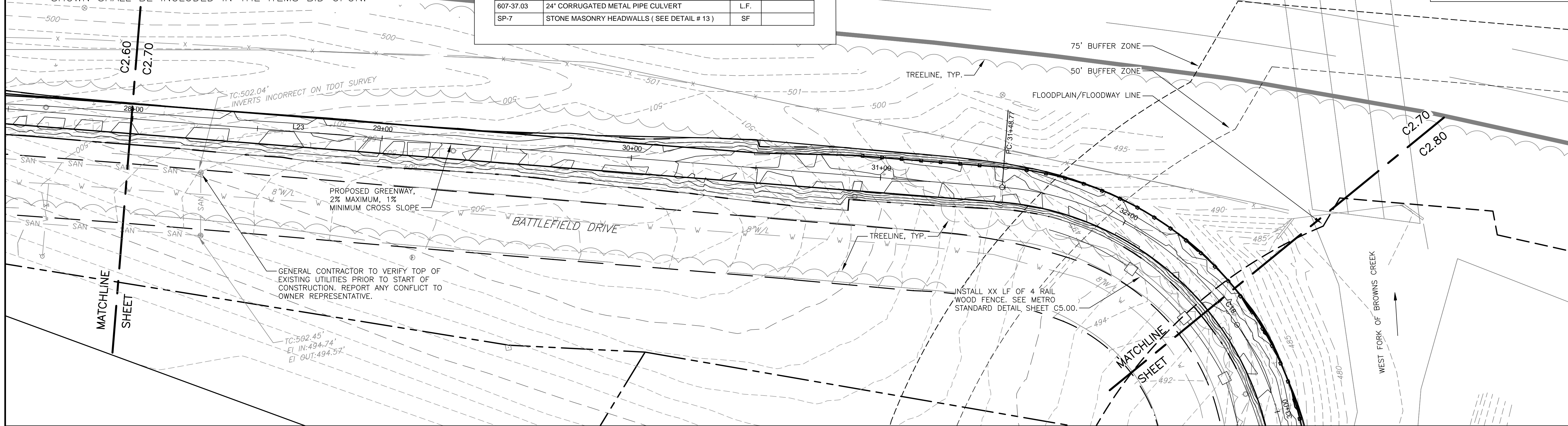
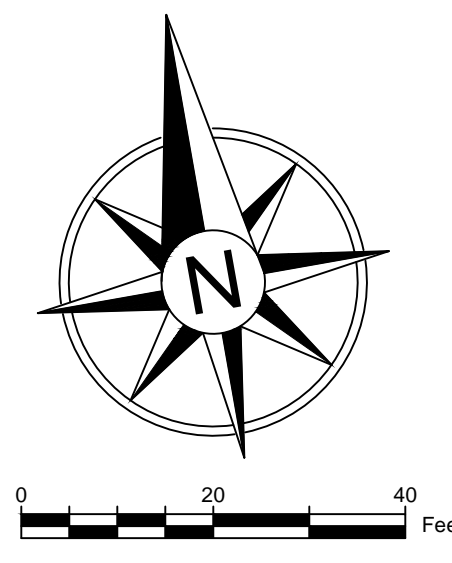
PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 9-06-17
DESIGNED BY: MLD
SUPERVISED BY: MJP
CHECKED BY: ERM

GRADING
PLAN
SHEET NO: C2.60

NOTE:
 CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL PAY ITEMS ON THE JOB SITE UNTIL SUBSTANTIAL COMPLETION. THIS INCLUDES ALL BASE STONE AND OTHER MATERIALS PLACED IN THE FLOODPLAIN AND FLOODWAY. CONTRACTOR IS RESPONSIBLE FOR STABILIZING ALL DISTURBED AREAS THROUGHOUT CONSTRUCTION AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE PROJECT SITE. COORDINATE SCHEDULED WORK WITH AVAILABILITY OF FINAL STABILIZATION MEASURES. ADDITIONAL TEMPORARY MEASURES BEYOND THOSE SHOWN SHALL BE INCLUDED IN THE ITEMS BID UPON.

GRADING SHEETS			
GRADING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	35.93
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	30.17
204-07	CLASS B BEDDING MATERIAL	C.Y.	24.192
303-01.01	GRANULAR BACKFILL	TON	
607-37.01	15" CORRUGATED METAL PIPE CULVERT	L.F.	
607-37.02	18" CORRUGATED METAL PIPE CULVERT	L.F.	126
607-37.03	24" CORRUGATED METAL PIPE CULVERT	L.F.	
SP-7	STONE MASONRY HEADWALLS (SEE DETAIL # 13)	SF	



499.01 499.005	502.02 502.018	502.60 502.599	499.41 499.409	492.48 492.484	486.36 486.361
28+00	29+00	30+00	31+00	32+00	33+00

NO.	DATE	BY	DESCRIPTION

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 ENGINEERING CO., INC.
 CONSULTING DESIGN & CONSTRUCTION

5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
 PHONE: (615) 331-1441 FAX: (615) 331-1050

CONSTRUCTION DOCUMENTS
 440 GREENWAY PHASE II
 DEPARTMENT OF PARKS AND RECREATION
 METRO DAVIDSON COUNTY, TENNESSEE

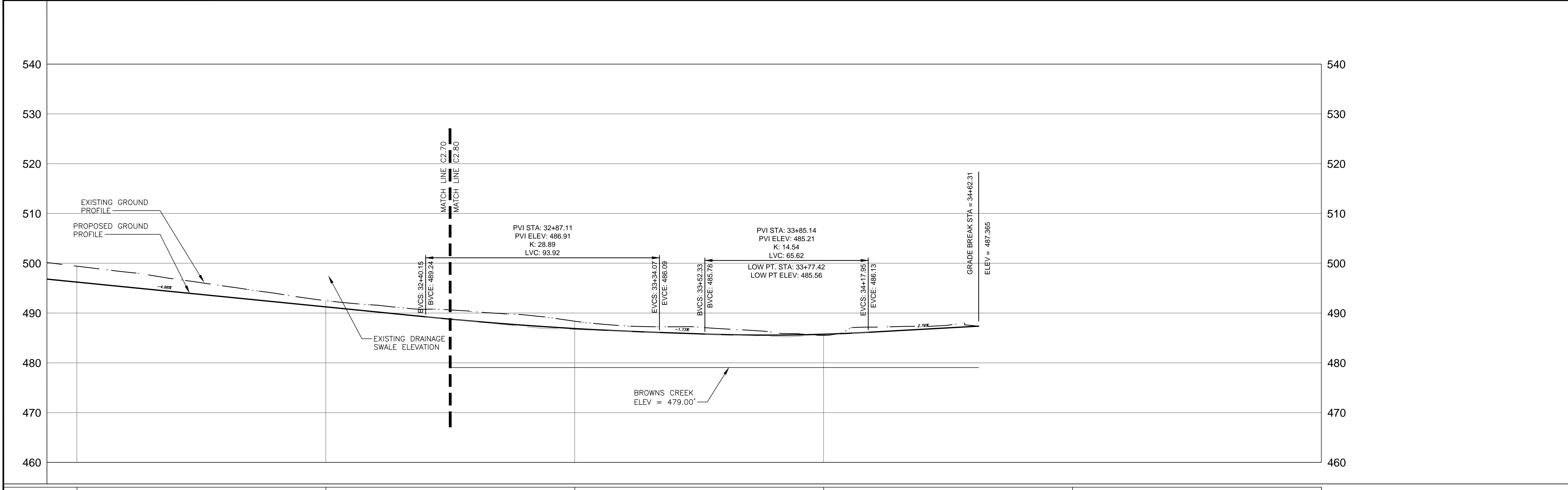
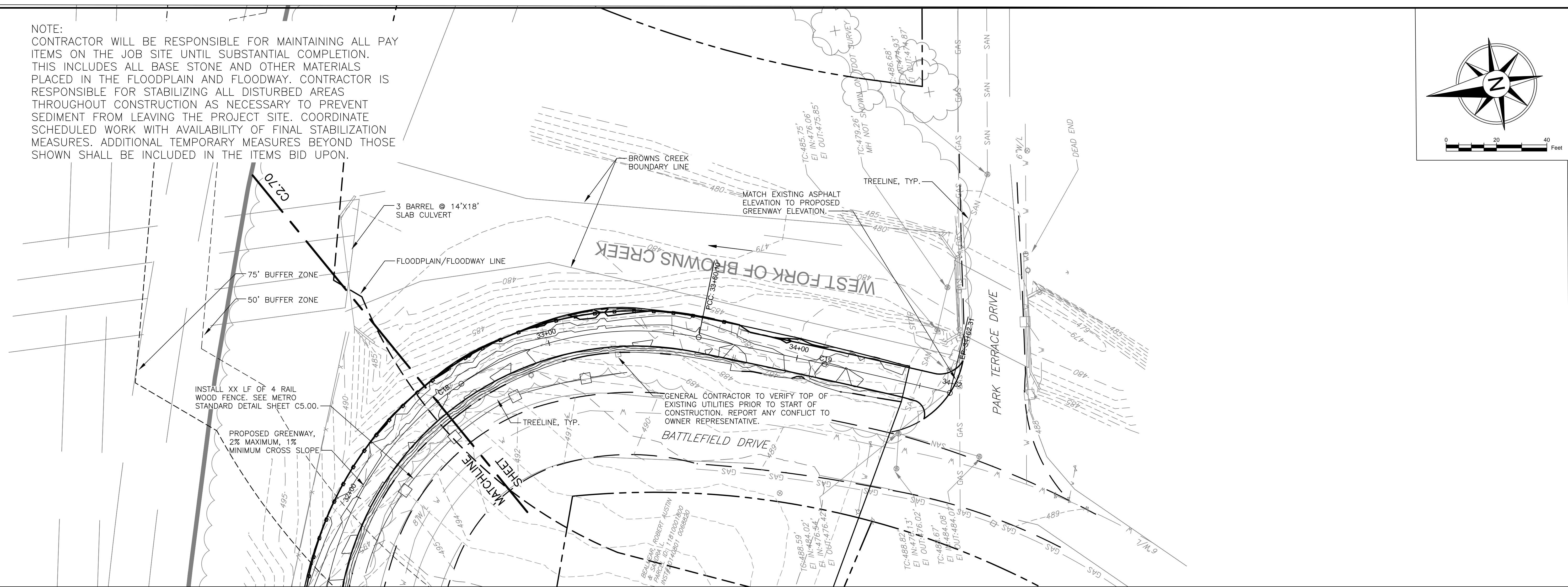
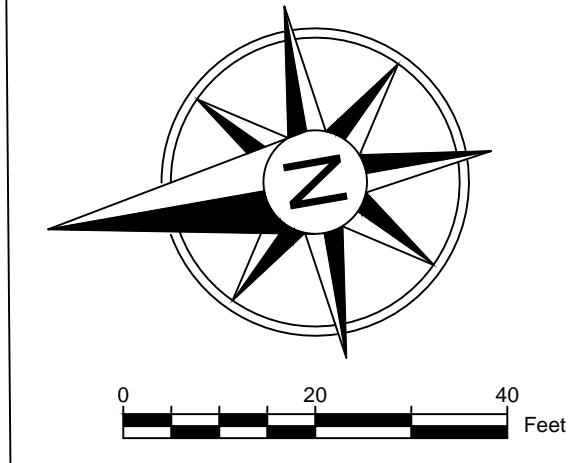
PRELIMINARY
 NOT FOR
 CONSTRUCTION

DATE: 9-06-17
 DESIGNED BY: MLD
 SUPERVISED BY: MJP
 CHECKED BY: ERM

GRADING PLAN

SHEET NO: C2.70

NOTE:
 CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL PAY ITEMS ON THE JOB SITE UNTIL SUBSTANTIAL COMPLETION. THIS INCLUDES ALL BASE STONE AND OTHER MATERIALS PLACED IN THE FLOODPLAIN AND FLOODWAY. CONTRACTOR IS RESPONSIBLE FOR STABILIZING ALL DISTURBED AREAS THROUGHOUT CONSTRUCTION AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE PROJECT SITE. COORDINATE SCHEDULED WORK WITH AVAILABILITY OF FINAL STABILIZATION MEASURES. ADDITIONAL TEMPORARY MEASURES BEYOND THOSE SHOWN SHALL BE INCLUDED IN THE ITEMS BID UPON.



489.41 489.409	492.48 492.484	488.36 488.361	485.52 485.516		
31+00	32+00	33+00	34+00	35+00	36+00

NO.	DATE	BY	DESCRIPTION

COLLIER
 ENGINEERING CO., INC.
 CONSULTING DESIGN & CONSTRUCTION

5560 FRANKLIN PIKE CIRCLE, BRENTWOOD, TN 37027
 PHONE: (615) 331-1441 FAX: (615) 331-1050

CONSTRUCTION DOCUMENTS
440 GREENWAY PHASE II
 DEPARTMENT OF PARKS AND RECREATION
 METRO DAVIDSON COUNTY, TENNESSEE

PRELIMINARY
 NOT FOR
 CONSTRUCTION

DATE: 9-06-17
 DESIGNED BY: MLD
 SUPERVISED BY: MJP
 CHECKED BY: ERM

GRADING PLAN

SHEET NO: C2.80