BID SET

FIRST QUALITY DRIVE

DAVID JONES INDUSTRIAL PARK
ANDERSON COUNTY, TENNESSEE

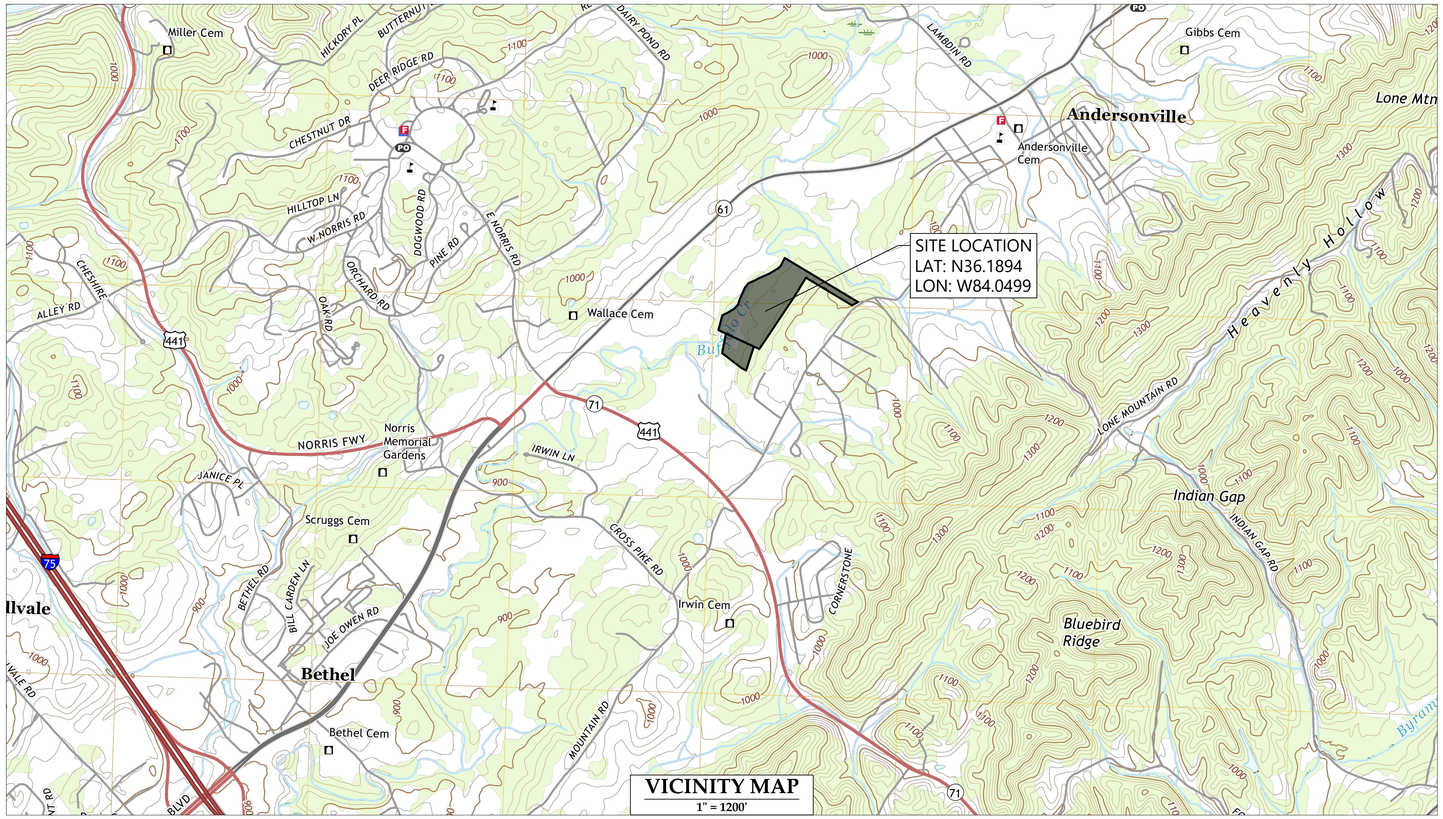
09/15/2023

SITE DATA

MUNICIPALITY:	ANDERSON COUNTY
COUNCIL DISTRICT:	THIRD
COUNCIL MEMBER:	JOSHUA ANDERSON / SHELLY VANDAGRIFF
PARCEL ID.:	032 04203 000 & 032 04210 000
SITE ADDRESS:	DAVID JONES INDUSTRIAL PARK ANDERSONVILLE, TN, 37705
SITE ACREAGE:	31 AC. (1,350,360 FT^2)
EXISTING ZONING:	HEAVY INDUSTRIAL (I-2)
PROPOSED USE:	COMMERCIAL
OWNER:	ANDERSON COUNTY ECONOMIC DEVELOPMENT
ASSOCIATION (ACEDA)	
ADDRESS:	245 NORTH MAIN STREET SUITE 200 CLINTON, TN, 37716
PHONE NO.:	(865) 457-1785
CONTACT NAME:	MR. ANDY WALLACE
CONTACT E-MAIL ADDRESS:	president@andersoncountyeda.com
PROJECT REPRESENTATIVE:	BRAD SALSBURY, PE
ADDRESS:	6515 NIGHTINGALE LANE KNOXVILLE, TN 37909
PHONE NO.:	(865) 934-6023
CONTACT NAME:	BRAD SALSBURY, PE
CONTACT E-MAIL ADDRESS:	bsalsbury@smeinc.com

RECORDED DOCUMENTS: DEED BOOK (1) 1588 AND (2) 1533 PAGE (1) 469 AND (2) 2325

FEMA PANEL:
THE SUBJECT PROPERTY DOES LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 4700100133F, 1/17/2007, COMMUNITY NAME: ANDERSON COUNTY.



VICINITY MAP
1" = 1200'

Sheet List Table	
Sheet Number	**Sheet Title**
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C6.0	GRADING & DRAINAGE PLAN
C8.0	DETAILS

OWNER/DEVELOPER

ANDERSON COUNTY ECONOMIC DEVELOPMENT ASSOCIATION (ACEDA)
245 NORTH MAIN STREET SUITE 200
CLINTON, TN, 37716
(865) 457-1785

CIVIL ENGINEER

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

C0.0
COVER

TIME STAMP: 9/18/2023 9:21 AM

ORIGINAL SIZE: 24"X36" DRAWING PATH: T:\Knoxville-1430\Projects\2022\211424_Anderson County Economic Development Association_First Quality Drive_Andersonville, TN\Development\CAD\Construction\211424_EXI

DEMOLITION KEYNOTES

CODE	DESCRIPTION
D1	REMOVE EXISTING ASPHALT PAVEMENT
D2	REMOVE EXISTING TREE

LEGEND

- ASPHALT PAVEMENT TO REMOVE
- APPROX. AREA FOR TREE REMOVAL

NOTES:
1. SEE SHEET C2.0 FOR GENERAL AND DEMOLITION NOTES.
2. SEE ALTA MAP FOR ADDITIONAL INFORMATION REGARDING FLOODWAY.

FLOOD ZONE NOTES

REGULATORY FLOODWAY

ZONE AE (HATCHED): 1% CHANCE OF FLOODING IN ANY GIVEN YEAR

ZONE X (HATCHED): 0.2% CHANCE OF FLOODING IN ANY GIVEN YEAR

ZONE X: AREA OF MINIMAL FLOOD HAZARD

BASE FLOOD ELEVATION = 922.5'

PARCEL NO.	(XX)
LOT NO.	XX
IRON ROD (OLD)	IR(O)
IRON ROD (SET)	IR(N)
IRON PIPE (OLD)	IP(O)
P K NAIL (OLD)	PK(O)
CONCRETE MON (OLD)	MON(O)
PROPERTY LINE	
FENCE LINE	
TREE PROTECTION	T P
CONTOUR LINE	500
OVERHEAD POWER LINE	OH-E
SANITARY SEWER LINE	8"SAN
STORM SEWER LINE	15"ST
WATER LINE	8"W
GAS LINE	8"G
TELEPHONE MANHOLE	T
TELEPHONE RISER	TR
TELEPHONE PEDESTAL	TP
ELECTRIC RISER	ER
ELECTRIC METER	E
TRAFFIC SIGNAL POST	
UTILITY POLE	
GUY WIRE	
UTILITY POLE W/ LIGHT	
SANITARY SEWER MANHOLE	S
STORM SEWER MANHOLE	D
CURB INLET	
CATCH BASIN	
CLEANOUT	CO
FIRE HYDRANT	
WATER METER	W
WATER VALVE	WV
IRRIGATION CONTROL VALVE	ICV
GAS METER	G
GAS VALVE	GV
SIGN POST	
BOLLARD	
CONCRETE	

BASE INFORMATION WAS TAKEN FROM A TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY S&ME, DATED 11/08/22. UTILITIES SHOWN WERE LOCATED FROM FIELD LOCATIONS THAT WERE APPARENT AND/OR COPIED FROM GIS INFORMATION PROVIDED BY UTILITIES AND ARE APPROXIMATE AT BEST. THERE MAY BE UTILITIES, THE EXISTENCE OF WHICH IS UNKNOWN TO THE SURVEYOR OR DESIGN TEAM.

Know what's below.
Call before you dig.

N

0 100 200 300
GRAPHIC SCALE (IN FEET)
VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83/27

S&ME
6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY ECONOMIC DEVELOPMENT ASSOCIATION (ACEDA)
245 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

TYLER EVERETTE RUTHERFORD, REGISTERED ENGINEER, AGRICULTURE COMMERCE, No. 119790, STATE OF TENNESSEE

NO.	DATE	DESCRIPTION	BY	CHK	APV

EXISTING CONDITION & DEMOLITION PLAN

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424

DRAWING NUMBER
C1.0

GENERAL NOTES

1. THE PROJECT SITE IS SHOWN ON JURISDICTION, TAX MAP 032, AS PARCELS 042.03 & 042.10
2. ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR TO THE LOCAL GOVERNING AUTHORITY SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.
4. BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY S&ME DATED 11/08/22. S&ME INC. AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
5. THE CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS, (i.e. INVERTS, UTILITY ROUTINGS, UTILITY CROSSINGS, AND DIMENSIONS) IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE ENGINEER.
6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL CALL NATIONAL ONE CALL (811) 72 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION.

EROSION CONTROL NOTES:

1. THE DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY 21.64 ACRES.
2. THE SUBJECT PROPERTY DOES LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 47001C0133F OF THE F.E.M.A. FLOOD INSURANCE RATE MAPS FOR ANDERSON COUNTY, TENNESSEE, WITH AN EFFECTIVE DATE OF 1/17/2007.
3. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
4. PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT.
5. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
6. THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
7. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
8. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
9. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN THE RUN-OFF. THE CONTRACTOR SHALL OBTAIN THE DISPOSAL SITE AS PART OF THIS WORK.
10. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
11. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
12. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE JURISDICTION HAVING AUTHORITY'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.
13. SOD ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.

TREE PROTECTION NOTES

1. PRIOR TO CONSTRUCTION ACTIVITY, THE GENERAL CONTRACTOR SHALL STAKE THE LIMITS OF CLEARING, GRADING AND BUILDING FOOTPRINTS THAT AFFECT THE TREE PRESERVATION AREAS.
2. THE LOCATION OF TREE PROTECTION MEASURES SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION COMMENCING. TREE PROTECTION BARRICADES SHALL CONSIST OF ORANGE PLASTIC BARRIER CONSTRUCTION FENCING, AND SHALL BE INSTALLED IN LOCATIONS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. CONTRACTOR SHALL INSTALL ADEQUATE TREE PROTECTION MEASURES PRIOR TO ANY GRADING ACTIVITIES TO PREVENT CONSTRUCTION ACTIVITIES WITHIN PROXIMITY OF SPECIMEN TREES.
4. ALL GRADING WITHIN PROTECTED-ROOT-ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
5. ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE GROUND AND COVERED WITH BACKFILL AS SOON AS POSSIBLE. IF EXPOSED ROOTS ARE NOT COVERED WITHIN 24 HOURS, COVER THEM WITH MULCH AND THOROUGHLY WATER UNTIL COVERED WITH BACKFILL.
6. DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE OR STORE MATERIALS, WITHIN THE DRIP LINES OF TREES TO BE PRESERVED.
7. WHENEVER GRADING OR EXCAVATION IS DIRECTED WITHIN THE CANOPY COVERAGE AREA OF A TREE TO BE PRESERVED, FIRST CUT ROOTS USING A "DITCH WITCH" OR SIMILAR DEVICE TO PROVIDE CLEAN CUT OF ROOTS AT LIMITS OF ACTIVITY (PRIOR TO USE OF BACKHOE OR BULLDOZER). DO NOT ALLOW HEAVY EQUIPMENT WITHIN THE AREA BETWEEN CUT LINE AND TRUNK OF TREE. TRENCHES TO BE BACKFILLED AND TAMPERED TO MINIMIZE SETTLEMENT.
8. BARRICADES SHALL ENCROACH ON AREAS TO BE PAVED UNTIL PAVING AND/OR GRADE ADJUSTMENT ACTIVITIES BEGIN. ONLY THEN SHALL BARRICADES BE MOVED TO THE MAXIMUM ALLOWABLE PROTECTED ROOT TREE SAVE ZONE THAT WILL NOT ENCROACH ON THE PLANNED CONSTRUCTION. REMOVAL OF BARRICADE SHALL OCCUR ONLY AFTER PAVING IS COMPLETED AND CURBING IS INSTALLED, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

TREE PROTECTION NOTES CONT.

9. PROVIDE WATERING OF SPECIMEN TREES DURING CONSTRUCTION WHEN PERIODS OF DROUGHT EXCEED SEVEN DAYS. UTILIZE OSCILLATING TYPE SPRINKLERS TO COVER ENTIRE PROTECTED ROOT ZONE FOR FOUR HOURS EACH WEEK.
10. ROOT AREA OF TREES WHERE SOIL HAS BEEN COMPACTED DUE TO CONSTRUCTION ACTIVITY SHALL BE VERTICALLY MULCHED (AERATED) AT DIRECTION OF LANDSCAPE ARCHITECT. THIS SHALL BE ACCOMPLISHED BY AUGURING THE SOIL IN A 2' GRID PATTERN TO WITHIN 3' OF TRUNK AND TO 10' BEYOND THE DRIP LINE. A 2" TO 3" HAND OPERATED AUGUR SHALL BE USED TO DRILL HOLES TO A MINIMUM DEPTH OF 12". TYPE OF BACKFILL WILL BE DETERMINED BY THE QUALIFIED PROFESSIONAL.
11. HEAVY ACCUMULATION OF DUST FROM CONSTRUCTION ACTIVITY MAY OCCUR ON THE SURFACE OF TREE FOLIAGE. TO CONTROL DUST, TREE FOLIAGE MAY BE HOSED DOWN UPON THE REQUEST OF THE QUALIFIED PROFESSIONAL
12. REMOVAL OF ALL TREE PROTECTION FENCING, SILT FENCING AND SIGNAGE WILL BE DONE BY THE GENERAL CONTRACTOR WHEN PERMITTED BY THE LOCAL CODE ENFORCEMENT OFFICIALS. RESTORATION OF ALL AREAS DISTURBED BY THE FENCING AND/OR SIGNAGE WILL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY.

DEMOLITION NOTES

1. ALL MATERIALS BEING REMOVED AND NOT RELOCATED UNDER THE NEW CONSTRUCTION, INCLUDING TREES AND SHRUBS, SIGNS, UTILITY STRUCTURES, LIGHTING STANDARDS, ETC., SHALL BE FIRST OFFERED TO THE OWNER'S REPRESENTATIVE AND IF NOT ACCEPTED SHALL THEN BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CHARTED AND UNCHARTED UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN OR REQUIRED TO REMAIN IN SERVICE UNTIL REPLACEMENT. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
3. THE CONTRACTOR SHALL VERIFY THE LIMITS OF DEMOLITION WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
4. IN AREAS WHERE EXISTING PAVEMENT, WALKS, OR CURBS ARE TO BE REMOVED, SAW CUT TO PROVIDE A CLEAN EDGE. COORDINATE EXTENT OF PAVEMENT DEMOLITION WITH THE LIMIT OF NEW IMPROVEMENTS ON THE SITE LAYOUT PLAN & UTILITY INSTALLATION.
5. CONTRACTOR SHALL COORDINATE PHASING OF THE DEMOLITION WITH THE OWNER'S REPRESENTATIVE AND LOCAL GOVERNING AGENCY PRIOR TO BEGINNING WORK. DISRUPTION OF EXISTING UTILITY SERVICES AND TRAFFIC PATTERNS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE AND INITIATED ONLY AFTER APPROVAL BY THE LOCAL GOVERNING AGENCY AND THE UTILITY COMPANIES.
6. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE SUITABLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
7. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO ACCOMPLISH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
9. THE CONTRACTOR SHALL PRESERVE AND PROTECT SURVEY CONTROL POINTS AND SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY DISTURBED CONTROL POINTS.
10. RELOCATION OF EXISTING PLANT MATERIALS SHALL BE COORDINATED WITH THE OWNER AND RELOCATED TO A DESIGNATED AREA ON SITE.
11. EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION IN ACCORDANCE WITH THE TREE PROTECTION NOTES.
12. NO UTILITY OR STORM SEWER LINES SHALL BE DEMOLISHED UNTIL THE NEW LINES HAVE BEEN INSTALLED AND ARE PLACED INTO OPERATION.
13. THE CONTRACTOR SHALL INCORPORATE INTO THEIR WORK ANY ISOLATION VALVES OR TEMPORARY PLUGS REQUIRED TO CONSTRUCT NEW UTILITY LINES AND DEMOLISH EXISTING UTILITY LINES.
14. SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
15. WHERE WATER LINE AND SEWER LINE ABANDONMENT IS PLANNED, THE CONTRACTOR MAY ABANDON WATER LINES AND SEWER LINES IN PLACE WHERE THEY OCCUR AT LEAST 24" (TO TOP OF PIPE) BELOW FINAL SUBGRADE ELEVATIONS AND OUTSIDE THE BUILDING FOOT PRINT. ALL UTILITY LINES BEING ABANDONED IN PLACE SHALL HAVE ALL ENDS PERMANENTLY CLOSED USING A CONCRETE PLUG.
16. WHERE EXISTING IRRIGATION LINES LIE WITHIN THE AREA AFFECTED BY THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL REWORK THE EXISTING IRRIGATION SYSTEMS IN ACCORDANCE WITH DIRECTIVES NOTED ON THE LANDSCAPE PLAN. SERVICE SHALL BE MAINTAINED DURING CONSTRUCTION TO THE LANDSCAPED AREAS CURRENTLY IRRIGATED.

SITE GRADING & DRAINAGE NOTES

1. THE CONTRACTOR SHALL CHECK ALL EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO BEGINNING WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
2. THE CONTRACTOR SHALL ADJUST THE CASTINGS OF ALL NEW AND EXISTING STRUCTURES TO MATCH PROPOSED FINISH GRADES.
3. PROPOSED CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF AN ENGINEERED GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE AND MOVEMENT OF MATERIALS. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THE INTENT OR ANY PROBLEM WITH THE CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY.
4. ALL CUT AND FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL OR FLATTER UNLESS OTHERWISE INDICATED ON THE PLANS.
5. ALL PIPES UNDER EXISTING PAVED AREAS SHALL BE BACKFILLED TO THE TOP OF SUBGRADE WITH CRUSHED STONE.
6. MINIMUM GRADE ON ASPHALT OR CONCRETE PAVING SHALL BE 1.0%.
7. IF ANY SPRINGS OR UNDERGROUND STREAMS ARE EXPOSED DURING CONSTRUCTION PERMANENT FRENCH DRAINS MAY BE REQUIRED. THE DRAINS SHALL BE SPECIFIED AND LOCATED DURING CONSTRUCTION AS REQUIRED BY THE CONDITIONS WHICH ARE ENCOUNTERED, AND SHALL BE APPROVED BY THE ENGINEER.
8. THIS GRADING & DRAINAGE PLAN IS NOT A DETERMINATION OR GUARANTEE OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED. A GEOTECHNICAL REPORT HAS BEEN PREPARED AND IS AVAILABLE FROM THE OWNER. DETERMINATION OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
9. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
10. IN NO CASE SHALL SLOPE, HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING TRENCH CONSTRUCTION, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL REGULATIONS, SPECIFICALLY THE CURRENT OSHA HEALTH AND SAFETY STANDARDS FOR EXCAVATIONS (29 CRF PART 1926) SHALL BE FOLLOWED.
11. DO NOT DISTURB VEGETATION OR REMOVE TREES EXCEPT WHEN NECESSARY FOR GRADING PURPOSES.
12. STRIP TOPSOIL FROM ALL CUT AND FILL AREAS AND STOCKPILE UPON COMPLETION OF GENERAL GRADING OVER ALL DISTURBED AREAS, TO A MINIMUM DEPTH OF 6". CONTRACTOR SHALL SUPPLY ADDITIONAL TOP SOIL IF INSUFFICIENT QUANTITIES EXIST ON SITE.
13. TOP OF GRATE ELEVATIONS AND LOCATION OF COORDINATES FOR DRAINAGE STRUCTURES SHALL BE AS SHOWN ON THE DETAIL, UNLESS NOTED OTHERWISE. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT GRADES.
14. ALL DRAINAGE CONSTRUCTION INSTALLATION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL GOVERNING AGENCY.
15. POSITIVE DRAINAGE SHALL BE ESTABLISHED AS THE FIRST ORDER OF WORK AND SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION. SOIL SOFTENED BY PERCHED WATER IN FOUNDATION AND PAVEMENT AREAS MUST BE UNDERCUT AND REPLACED WITH SUITABLE FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER. GROUNDWATER INFILTRATION INTO EXCAVATIONS SHOULD BE EXPECTED, AND THE WATER SHALL BE REMOVED USING GRAVITY DRAINAGE OR PUMPING.
16. REINFORCED CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III, WALL "B". HDPE SHALL BE CORRUGATED, SMOOTH WALL N-12 PIPE WITH SOIL TIGHT JOINTS.
17. FILL SLOPES 3 HORIZONTAL :1 VERTICAL AND GREATER SHALL BE PLACED AND COMPACTED 5' BEYOND PROPOSED LIMITS AND THEN EXCAVATED BACK TO THE PROPOSED LOCATION.
18. THE CONTRACTOR SHALL PROVIDE AN ASBUILT SURVEY STAMPED BY A LICENSED SURVEYOR IN THE STATE OF TENNESSEE OF ALL STORM SYSTEMS, ONSITE DETENTION PONDS, AND WATER QUALITY MEASURES VERIFYING COMPLIANCE WITH DESIGN DOCUMENTS.
19. THE LOCATION OF ALL DIVERSION SWALES AND DITCHES SHALL BE FIELD ADJUSTED TO AVOID TREES AS POSSIBLE. THE CONTRACTOR SHALL WALK THE ALIGNMENT OF THESE SWALES AND DITCHES IN THE FIELD TO VERIFY AVOIDANCE OF TREES, AND NOTIFY THE OWNERS REPRESENTATIVE OF SWALE WALK.
20. STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS OR ENTER NEARBY STREAMS.
21. ANY SITE USED FOR DISPOSAL AND/OR STOCKPILE OF ANY MATERIAL SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT ALL REQUIRED PERMITS ARE SECURED FOR EACH PROPERTY UTILIZED. A COPY OF THE APPROVED PERMIT MUST BE PROVIDED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK ON ANY PROPERTY. FAILURE TO DO SO MAY RESULT IN THE CONTRACTOR REMOVING ANY ILLEGALLY PLACED MATERIAL AT HIS OWN EXPENSE.
22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WASTE EXCESS EARTH MATERIAL OFF SITE AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL FIRST OFFER THE EXCESS MATERIAL TO THE OWNER. IF NOT ACCEPTED BY THE OWNER, THE CONTRACTOR SHALL DISPOSE OF EARTH MATERIAL OFF SITE. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO IMPORT SUITABLE MATERIAL (AT NO ADDITIONAL COST TO THE OWNER) FOR EARTHWORK OPERATIONS IF SUFFICIENT AMOUNTS OF EARTH MATERIAL ARE NOT AVAILABLE ON SITE.
23. SEGMENTAL WALLS SHALL BE PROVIDED BY THE CONTRACTOR AS A DESIGN BUILD. WALL DESIGN PLANS STAMPED BY A REGISTERED ENGINEER IN THE STATE OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER AS A SHOP DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY GEOTECHNICAL INFORMATION NECESSARY TO PROPERLY DESIGN THE WALL.

GEOTECHNICAL NOTES

1. A GEOTECHNICAL REPORT FOR THE SITE HAS BEEN PREPARED BY S&ME DATED JULY 08, 2022. REFER TO REPORT FOR RECOMMENDATIONS.
2. ALL FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. THIS MATERIAL SHALL BE PLACED IN LIFTS DIRECTED BY THE GEOTECHNICAL ENGINEER AND COMPACTED AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
3. WHERE DRAINAGE OR UTILITY LINES OCCUR IN PROPOSED FILL AREAS, THE FILL MATERIAL IS TO BE PLACED AND COMPACTED PRIOR TO INSTALLATION OF DRAINAGE OR UTILITY LINES. FILL IS TO BE TESTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER TESTING FIRM EMPLOYED BY THE OWNER. RESULTS OF THE TEST SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE. CONTRACTOR TO PAY FOR ANY RETESTING.
4. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. ALL EARTHWORK, INCLUDING THE EXCAVATED SUBGRADE AND EACH LAYER OF FILL, SHALL BE MONITORED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER, OR HIS REPRESENTATIVE.

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY
ECONOMIC DEVELOPMENT
ASSOCIATION (ACEDA)
246 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

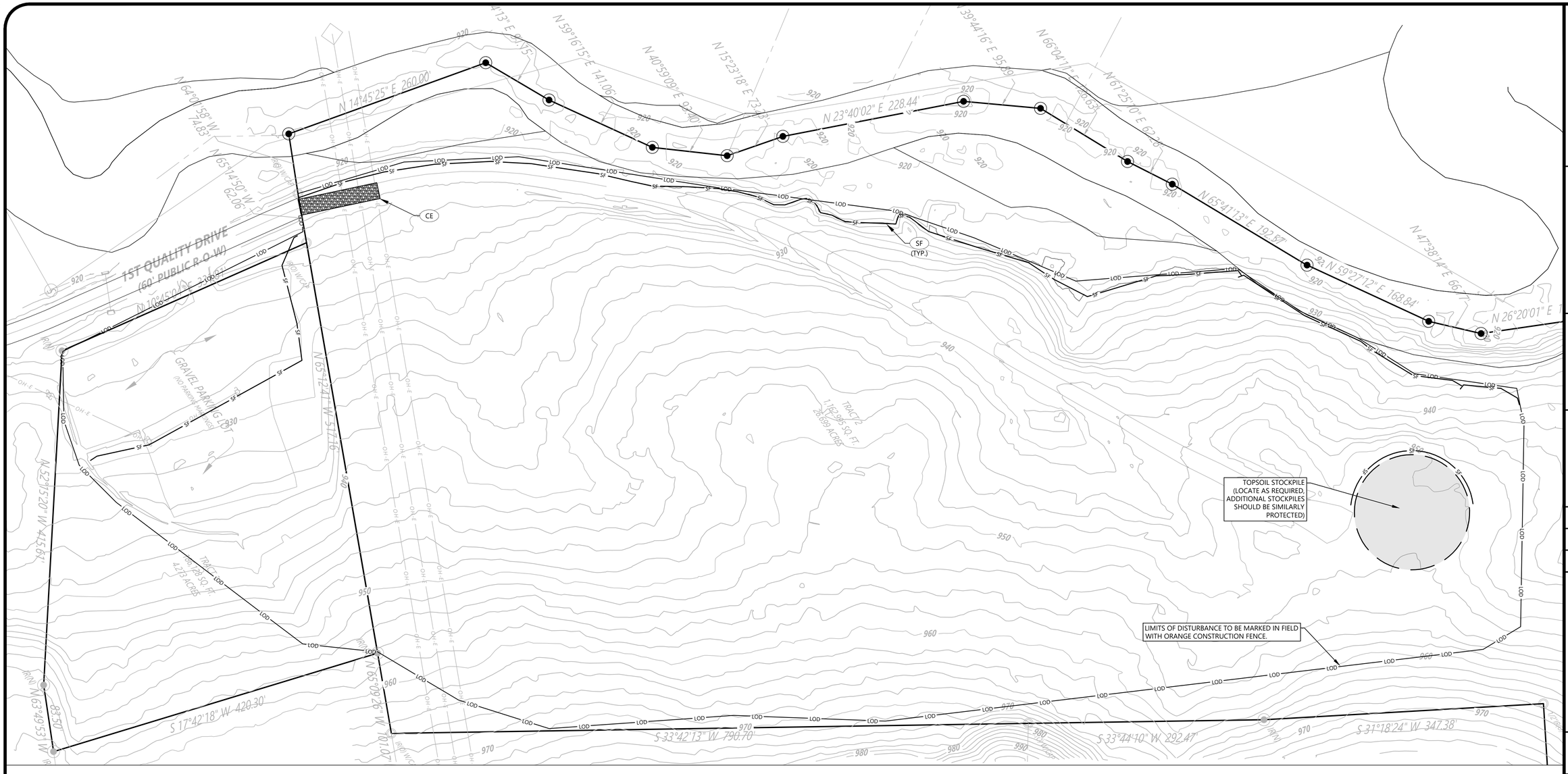
NO.	DATE	DESCRIPTION	BY	CHK	APV

CIVIL NOTES

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424

DRAWING NUMBER
C2.0



SITE DESCRIPTION AND NOTES:

THE SITE IS LOCATED ON TAX MAP 032, PARCEL 032 04203 000 & 032 04210 000 IN ANDERSONVILLE, ANDERSON COUNTY COUNTY, TENNESSEE. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 21.64± ACRES TO CONSTRUCT SITE DEVELOPMENT.

1. APPROXIMATE CONSTRUCTION TIME TABLE:
   BEGIN CONSTRUCTION - [DEC 2023]
   COMPLETE CONSTRUCTION - [JUN 2024]

1. CONSTRUCTION SEQUENCE:
   A. ATTEND PRE-CONSTRUCTION MEETING.
   B. INSTALL CONSTRUCTION ENTRANCE AND PERIMETER CONTROL MEASURES.
   C. CONTACT LOCAL ENVIRONMENTAL AGENCY - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
   D. CLEAR AND GRUB THE REMAINING SITE.
   E. CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.
   F. UPON PERMANENT SITE STABILIZATION APPLY PERMANENT CONTROL MEASURES.
   G. REMOVE ALL TEMPORARY EROSION CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.

3. TOTAL PROJECT AREA = 1,350,360 SF (31± AC.)
   DISTURBED AREA = 942,640 S.F. (21.64± AC.)

4. SEE SHEET C2.0 FOR GENERAL CONSTRUCTION NOTES AND C3.3 FOR EROSION CONTROL NOTES.

EROSION CONTROL NOTES:

1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.

2. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.

3. THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.

4. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.

5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.

6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.

7. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

8. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.

EROSION CONTROL KEYNOTES

CODE	DESCRIPTION	DET #-SHT #
CE	TEMPORARY CONSTRUCTION ENTRANCE	1 - C3.3
SF	SILT FENCE	2 - C3.3
SD	SLOPE DRAIN	3 - C3.3
RECP	ROLLED EROSION CONTROL PRODUCT	4 - C3.3
CD	ROCK CHECK DAM	5 - C3.3
FR	ROCK FILTER RING	5 - C3.3
OP	RIP RAP AT HEADWALL	6 - C3.3
TS	TEMPORARY VEGETATION	7 - C3.3
PS	PERMANENT VEGETATION	8 - C3.3
WQS	WATER QUALITY SKIMMER	1 - C3.4
SB	SEDIMENT BASIN	2 - C3.4

Know what's below.
Call before you dig.

0 60 120 180
GRAPHIC SCALE (IN FEET)
VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83/27

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY
ECONOMIC DEVELOPMENT
ASSOCIATION (ACEDA)
245 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

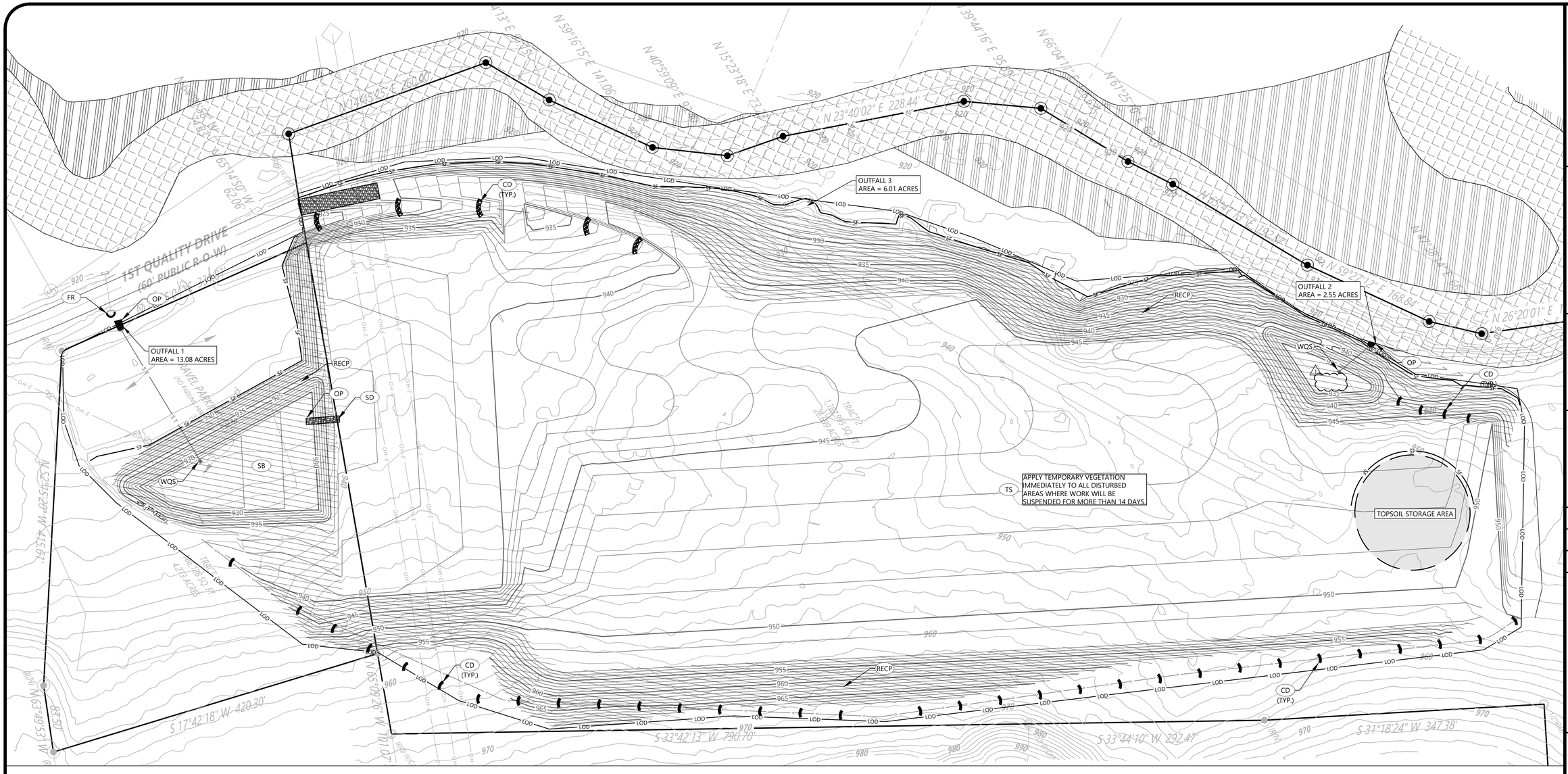
NO.	DATE	DESCRIPTION	BY	CHK	APV
1	5/23/23	EROSION CONTROL DETAIL UPDATE	BY	CHK	APV

INITIAL EROSION CONTROL PLAN

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424

DRAWING NUMBER
C3.0



EROSION CONTROL KEYNOTES

CODE	DESCRIPTION	DET #-SHT #
CE	TEMPORARY CONSTRUCTION ENTRANCE	1 - C3.3
SF	SILT FENCE	2 - C3.3
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SB	SEDIMENT BASIN	2 - C3.4

Know what's below.
Call before you dig.

0 60 120 180
GRAPHIC SCALE (IN FEET)
VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83/27

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY
ECONOMIC DEVELOPMENT
ASSOCIATION (ACEDA)
246 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

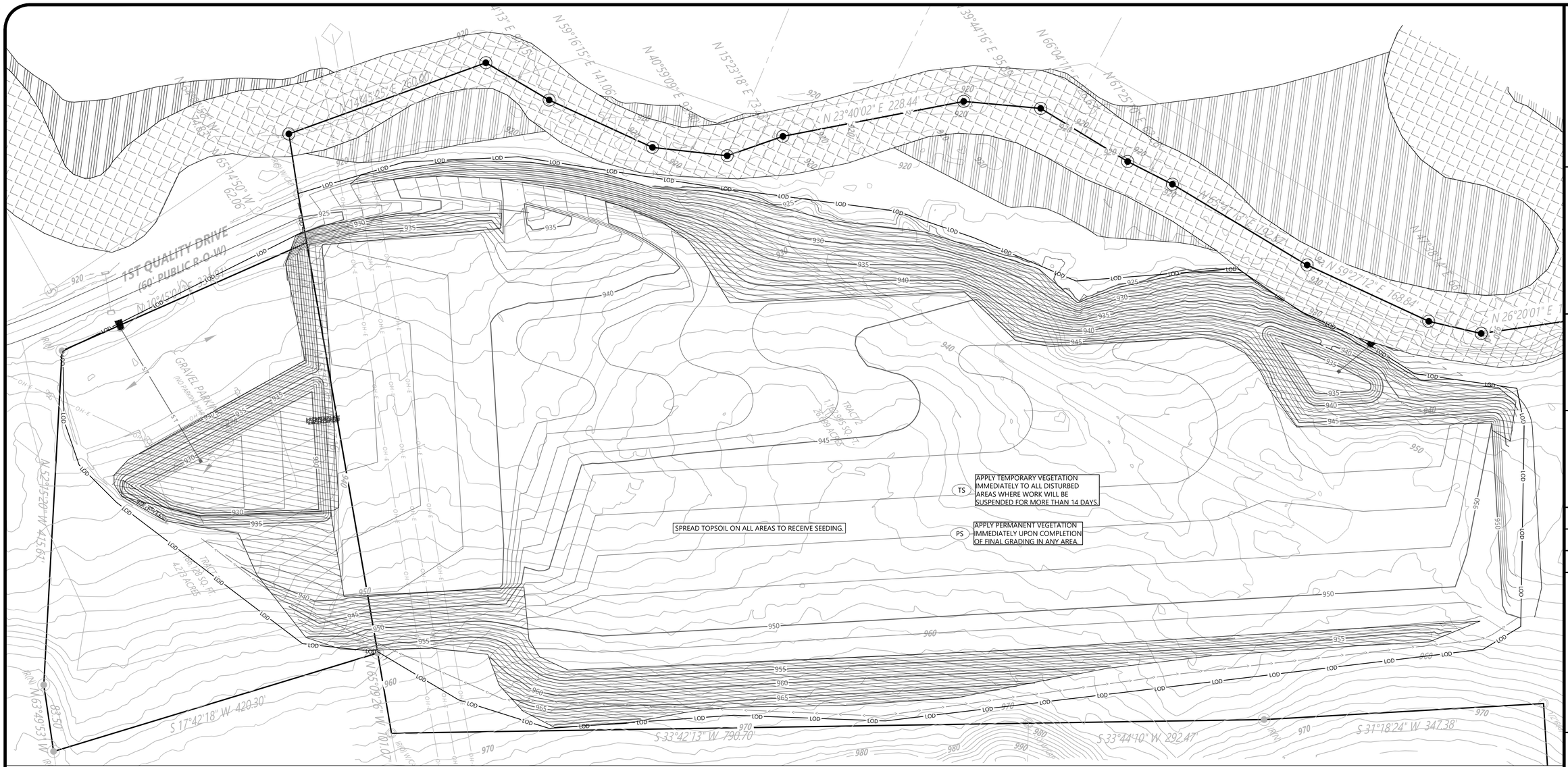
NO.	DATE	DESCRIPTION	BY	CHK	APV
1	5/23/23	EROSION CONTROL DETAIL UPDATE			

INTERMEDIATE EROSION CONTROL PLAN

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424

DRAWING NUMBER
C3.1



TS APPLY TEMPORARY VEGETATION IMMEDIATELY TO ALL DISTURBED AREAS WHERE WORK WILL BE SUSPENDED FOR MORE THAN 14 DAYS.

SPREAD TOPSOIL ON ALL AREAS TO RECEIVE SEEDING.

PS APPLY PERMANENT VEGETATION IMMEDIATELY UPON COMPLETION OF FINAL GRADING IN ANY AREA.

EROSION CONTROL KEYNOTES

CODE	DESCRIPTION	DET #-SHT #
CE	TEMPORARY CONSTRUCTION ENTRANCE	1 - C3.3
SF	SILT FENCE	2 - C3.3
SD	SLOPE DRAIN	3 - C3.3
RECP	ROLLED EROSION CONTROL PRODUCT	4 - C3.3
CD	ROCK CHECK DAM	5 - C3.3
FR	ROCK FILTER RING	5 - C3.3
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TS	TEMPORARY VEGETATION	7 - C3.3
PS	PERMANENT VEGETATION	8 - C3.3
WQS	WATER QUALITY SKIMMER	1 - C3.4
SB	SEDIMENT BASIN	2 - C3.4

811 Know what's below. Call before you dig.

N

0 60 120 180
GRAPHIC SCALE (IN FEET)
VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83/27

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY
ECONOMIC DEVELOPMENT ASSOCIATION (ACEDA)
245 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

NO.	DATE	DESCRIPTION	BY	CHK	APV
1	5/23/23	EROSION CONTROL DETAIL UPDATE			

FINAL EROSION CONTROL PLAN

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424

DRAWING NUMBER
C3.2

PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES

ZONE		BEST	MARGINAL	PREFERRED RATE/MIX (LB/AC PLS)
REGION III: EAST TENNESSEE	>2500 FT ELEVATION; STEEP SLOPES	MAR 20 – APR 30	AUG 15 – AUG 30 MAR 1 – MAR 20 APR 20 – JUNE 15	15 BROWNTOP MILLET* (NURSE CROP) 5 PURPLETOP 10 LITTLE BLUESTEM 10 INDIAN GRASS 2 BLACK-EYED SUSAN 0.5 MONARDA (BERGAMOT) 4 MARYLAND SENNA
	<2500 FT ELEVATION; STEEP SLOPES	AUG 15 – SEPT 1 **MAR 1 – APR 1**	SEPT 1 – SEPT 15 APR 1 – JUNE 10	
	>2500 FT ELEV.; SHALLOW SOILS	MAR 20 – APR 20	AUG 15 – AUG 30 MAR 5 – MAR 20 APRIL 20 – JUNE 15	15 BROWNTOP MILLET* (NURSE CROP) 4 PURPLETOP 10 LITTLE BLUESTEM 10 BROOMSEDGE 2 PARTRIDGE PEA 2 BLACK-EYED SUSAN 0.5 MONARDA (BERGAMOT)
	<2500 FT ELEV.; SHALLOW SOILS	AUG 15 – SEPT 1 **MAR 1 – APR 1**	SEPT 1 – SEPT 15 APR 1 – JUNE 10	
	>2500 FT. ELEV.; MODERATE SLOPES	MAR 20 – APR 20	AUG 15 – AUG 30 MAR 5 – MAR 20 APR 20 – JUNE 15	15 BROWNTOP MILLET* (NURSE CROP) 4 PURPLETOP 10 LITTLE BLUESTEM 10 INDIAN GRASS 2 BLACK-EYED SUSAN 0.5 MONARDA (BERGAMOT) 4 MARYLAND SENNA
	<2500 FT. ELEV.; MODERATE SLOPES	AUG 15 – SEPT 1 **MAR 1 – APR 1**	SEPT 1 – SEPT 15 APR 1 – JUNE 10	
	>2500 FT ELEV.; HIGH MAINTENANCE	**MAR 20 – APR 20**	AUG 15 – AUG 30 MAR 5 – MAR 20 APR 20 – JUNE 15	15 BROWNTOP MILLET* (NURSE CROP) 45 RED FESCUE* 45 HARD FESCUE* 25 CHEWING FESCUE*
	<2500 FT ELEV.; HIGH MAINTENANCE	AUG 15 – SEPT 1 **MAR 1 – APR 1**	SEPT 1 – SEPT 15 APR 1 – JUNE 10	

ALLOWABLE SEED MIXES AND PLANTING DATES

ZONE		BEST	MARGINAL	RATE/MIX (LB/AC PLS)
REGION III: EAST TENNESSEE	>2500 FT ELEVATION; STEEP SLOPES	JULY 25 - AUG 15 **MAR 20 – APR 20**	JULY 15 – JULY 25 AUG 15 – AUG 30 MAR 1- MAR 20 APR 20 – MAY 15	100 KY 31 FESCUE** 20 KOBE LESPEDEZA** 10 KOREAN LESPEDEZA** 5 REDTOP
	<2500 FT ELEVATION; STEEP SLOPES	AUG 15 – SEPT 1 **MAR 1 – APR 1**	JULY 25 – AUG 15 SEPT 1 – SEPT 15 APR 1 – MAY 10	
	>2500 FT ELEV.; SHALLOW SOILS	JULY 25 - AUG 15 **MAR 20 – APR 20**	JULY 15 – JULY 25 AUG 15 – AUG 30 MAR 1- MAR 20 APR 20 – MAY 15	40 KY 31 FESCUE** 10 KOREAN LESPEDEZA** 10 REDTOP
	<2500 FT ELEV.; SHALLOW SOILS	AUG 15 – SEPT 1 **MAR 1 – APR 1**	JULY 25 – AUG 15 SEPT 1 – SEPT 15 APR 1 – MAY 10	10 CROWN VETCH**
	>2500 FT. ELEV.; MODERATE SLOPES	JULY 25- AUG 15 **MAR 20 – APR 20**	JULY 15 – JULY 25 AUG 15 – AUG 30 MAR 1- MAR 20 APR 20 – MAY 15	60 KY 31 FESCUE** 15 KOREAN LESPEDEZA** 15 KOBE LESPEDEZA**
	<2500 FT. ELEV.; MODERATE SLOPES	AUG 15 – SEPT 1 **MAR 1 – APR 1**	JULY 25 – AUG 15 SEPT 1 – SEPT 15 APR 1 – MAY 10	
	>2500 FT ELEV.; HIGH MAINTENANCE	JULY 25 - AUG 15 **MAR 20 – APR 20**	JULY 15 – JULY 25 AUG 15 – AUG 30 MAR 1- MAR 20 APR 20 – MAY 15	200 KY 31 FESCUE**
	<2500 FT ELEV.; HIGH MAINTENANCE	AUG 15 – SEPT 1 **MAR 1 – APR 1**	JULY 25 – AUG 15 SEPT 1 – SEPT 15 APR 1 – MAY 10	

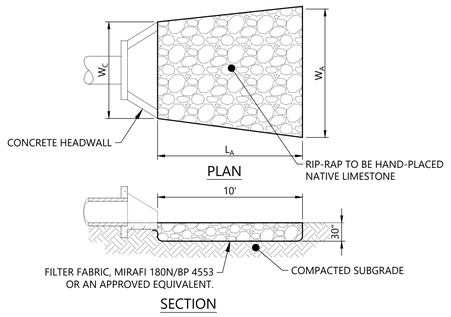
TABLE NOTES:

1. SOURCE: SECTION 7.9 OF THE TDEC EROSION AND SEDIMENT CONTROL HANDBOOK, 4TH EDITION, AUGUST 2012.
2. SPECIES WITH* ARE NON-NATIVE BUT DO NOT SPREAD.
3. BOLD DATES ARE THE PREFERRED DATES FOR SEEDING.
4. HIGH MAINTENANCE AREAS INCLUDE LAWNS AND OTHER GRASSED AREAS THAT WILL BE MAINTAINED FOR AESTHETICS.

PERMANENT VEGETATION NOTES:

1. CONSTRUCTION SPECIFICATIONS SHALL COMPLY WITH SECTION 7.8 OF THE TDEC EROSION AND SEDIMENT CONTROL HANDBOOK, 4TH EDITION AUGUST 2012.
2. ONLY CERTIFIED SEED SHALL BE USED.
3. SEEDING RATES SHOWN IN THE TABLES ARE PURE LIVE SEED (PLS) WHICH IS THE PRODUCT OF THE PURITY SHOWN ON THE SEED TAG MULTIPLIED BY THE GERMINATION. ACTUAL SEEDING RATE WILL EQUAL THE RATE SHOWN IN THE TABLES DIVIDED BY THE PLS.
4. RYEGRASS SHALL NOT BE USED IN ANY SEED MIXTURE CONTAINING PERMANENT, PERENNIAL SPECIES.
5. TOPSOIL SHALL BE REPLACED ON ALL AREAS TO BE PERMANENTLY SEEDED.
6. SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2-3 TONS/ACRE GROUND AGRICULTURAL LIMESTONE AND 800-1200 LBS/ACRE OF 10-10-10 FERTILIZER.
7. APPLY STRAW MULCH AT A RATE OF 2 TONS/ACRE WITH OVERALL UNIFORM SOIL COVERAGE OF 70% AND ANCHOR WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL.
8. IF A STAND HAS INADEQUATE COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. RE-ESTABLISH THE STAND AFTER SEEDBED PREPARATION OR OVER-SEED THE STAND. CONSIDER SEEDING A TEMPORARY, ANNUAL SPECIES IF THE TIME OF YEAR IS NOT APPROPRIATE FOR PERMANENT SEEDING.

8 PERMANENT VEGETATION - REGION III (PS)



1. RIP-RAP STONE SHALL BE "FRACTURED FACED" WITH AT LEAST THREE DISTINCT SIDES. PROVIDE AND INSTALL IN ACCORDANCE WITH SECTION 709 OF THE CURRENT EDITION OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS - NASHVILLE - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. D50 BY DEFINITION = 50 PERCENT OF THE STONE BY WEIGHT SHALL BE THE SIZE NOTED OR SMALLER.
3. THE CONTRACTOR SHALL UNIFORMLY DISTRIBUTE STONE SIZES THROUGHOUT THE RIP-RAP PAD.

6 RIP-RAP OUTLET PROTECTION (OP)

NOT TO SCALE

TEMPORARY SEEDING RECOMENDATIONS

TEMPORARY SEEDING RECOMMENDATION FOR LATE WINTER AND EARLY SPRING

SEEDING RATE (LB/AC)		SEEDING DATES	
RYE	120	EAST	ABOVE 2500 FEET: FEB. 15 - MAY 15
			BELOW 2500 FEET: FEB. 1- MAY 1
		MIDDLE	JAN. 1 - MAY 1
		WEST	DEC. 1 - APR. 15
TEMPORARY SEEDING RECOMMENDATION FOR SUMMER			
SEEDING RATE (LB/AC)		SEEDING DATES	
OATS	60	EAST	MAY 15 - AUG. 15
BROWN TOP MILLET	30	MIDDLE	MAY 1 - AUG. 15
		WEST	APR. 15 - AUG. 15
TEMPORARY SEEDING RECOMMENDATION FOR FALL			
SEEDING RATE (LB/AC)		SEEDING DATES	
OATS	30	EAST	AUG 15 – DEC 15
WINTER WHEAT	30	MIDDLE	AUG. 15 – DEC 30
		WEST	AUG. 15 – DEC 30

TABLE NOTES:

1. SOURCE: SECTION 7.8 OF THE TDEC EROSION AND SEDIMENT CONTROL HANDBOOK, 4TH EDITION, AUGUST 2012.

TEMPORARY VEGETATION NOTES:

1. CONSTRUCTION SPECIFICATIONS SHALL COMPLY WITH SECTION 7.8 OF THE TDEC EROSION AND SEDIMENT CONTROL HANDBOOK, 4TH EDITION AUGUST 2012.

SOIL NOTES:

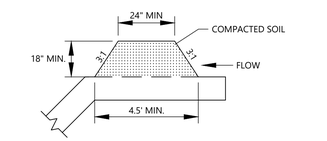
SOIL AMENDMENTS - LATE WINTER, EARLY SPRING, SUMMER, AND FALL:
FOLLOW RECOMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/AC GROUND AGRCULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH - LATE WINTER, EARLY SPRING, SUMMER, AND FALL:
APPLY 4,000 LB/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

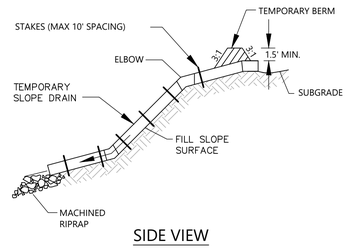
MAINTENANCE - LATE WINTER, EARLY SPRING, AND SUMMER:
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLWOING EROSION OR OTHER DAMAGE.

MAINTENANCE - FALL
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE. IF NECESSART TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/AC CRIMSON CLOVER IN LATE FEBRUARY OR EARLY MARCH.

7 TEMPORARY VEGETATION (TS)



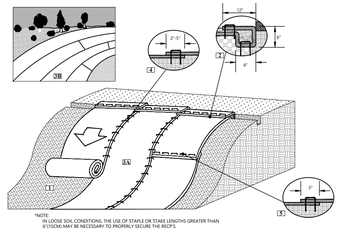
TEMPORARY BERM



SIDE VIEW

3 SLOPE DRAIN PIPE (SD)

NOT TO SCALE

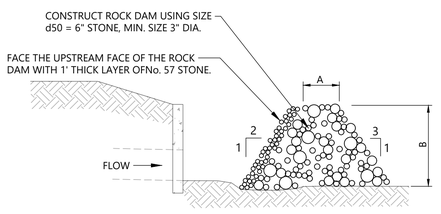


NOTES:

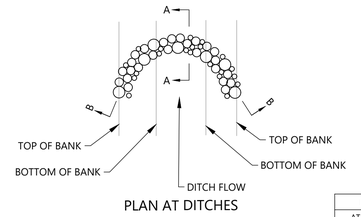
1. ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE APPLIED TO ALL DISTURBED SLOPE AREAS EQUAL TO OR GREATER THAN 3(H):1(V). SODDING ACCORDING TO THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK SECTION 7.10 OR HYDROSEEDING WITH BONDED FIBER MATRIX MAY BE USED IN LIEU OF RECPs. USE NAG S75BN OR APPROVED EQUAL ON ALL SLOPES.
2. PREPARE SOIL BEFORE INSTALLING RECPs, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
3. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6"(15CM) DEEP X 6"(15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12"(30CM) PORTION OF RECPs BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12"(30CM) APART ACROSS THE WIDTH OF THE RECPs.
4. ROLL THE RECPs (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
5. THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5-12.5CM) OVERLAP DEPENDING ON THE RECPs TYPE.
6. CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3"(7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12"(30CM) APART ACROSS ENTIRE RECPs WIDTH.
7. ROLLED EROSION CONTROL PRODUCTS MUST NOT CONTAIN MICROFILAMENTS. INSTALL BIODEGRADABLE ALTERNATIVE ACCORDING TO NORTH AMERICAN GREEN BIONET PRODUCTS.
8. SOURCE: NORTH AMERICAN GREEN.

4 ROLLED EROSION CONTROL PRODUCT (RECP)

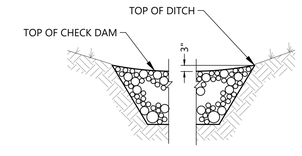
NOT TO SCALE



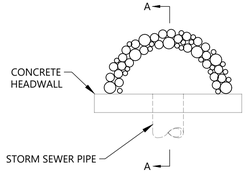
SECTION "A-A"



PLAN AT DITCHES



SECTION "B-B"



PLAN AT ENDWALLS

LOCATION	A	B
AT HEADWALLS	3'	3'
AT DITCHES	5'	*

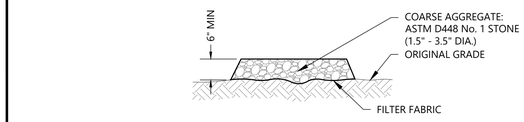
RIP RAP STONE SHALL BE "FRACTURED FACED" WITH AT LEAST THREE DISTINCT SIDES.

PROVIDE AND INSTALL IN ACCORDANCE WITH SECTION 709 OF THE CURRENT EDITION OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS - NASHVILLE - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

d50 BY DEFINITION = 50% OF THE STONE BY WEIGHT SHALL BE THE SIZE NOTED OR SMALLER.

5 ROCK CHECK DAM / FILTER RING (CD) (FR)

NOT TO SCALE



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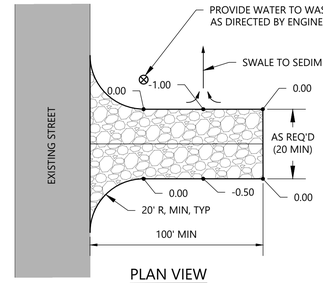
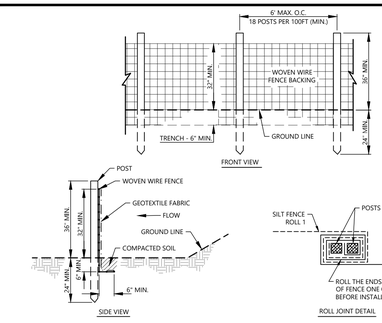


PLAN VIEW

1 TEMPORARY CONSTRUCTION ENTRANCE (CE)

NOT TO SCALE



SILT FENCE FABRIC SPECIFICATIONS

SILT FENCE WITH WIRE BACKING

GEOTEXTILE FABRIC TYPE	APPARENT OPENING SIZE	WATER FLUX	TENSILE STRENGTH	UV STABILITY (AFTER 500 HRS)	ELONGATION	BURST STRENGTH	PUNCTURE STRENGTH	TRAPEZOIDAL TEAR
WOVEN MONOFILAMENT	#70 TO #100 STANDARD SIEVE	≥ 18 GPM/FT²	≥ 310 LB. (WARP DIRECTION) 200 LB. (FILL DIRECTION)	≥ 90%	---	≥ 400 PSI	≥ 105 LB.	≥ 100 LB. (WARP DIRECTION) 60 LB. (FILL DIRECTION)

NOTES:

1. POSTS SHALL BE 1.25 LB/FT STEEL POSTS 58" (MIN.) IN HEIGHT.
2. 14 GAUGE WOVEN WIRE FENCE WITH MINIMUM MESH SIZE OF 6" SHALL BE FASTENED TO THE UPSTREAM SIDE OF POSTS BY STAPLES OR WIRE TIES.
3. GEOTEXTILE FABRIC MEETING THE REQUIREMENTS OF THE TDEC BMP MANUAL SECTION 7.34 FOR SILT FENCE FABRIC WITH BACKING SHALL BE SECURELY FASTENED TO THE WOVEN WIRE FENCING.
4. MACHINE TRENCHED GEOTEXTILE SHALL BE TRENCHED VERTICAL AT LEAST 8" DEEP.

2 ENHANCED SILT FENCE (SF)

NOT TO SCALE

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY
ECONOMIC DEVELOPMENT
ASSOCIATION (ACEDA)
246 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

NO.	DATE	DESCRIPTION	BY	CHK	APV
1	5/23/23	EROSION CONTROL DETAIL UPDATE			

SEDIMENT AND EROSION CONTROL DETAILS

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424

DRAWING NUMBER
C3.3

SCHEDULE OF INSPECTIONS AND MAINTENANCE NOTES

1. INSPECTIONS DESCRIBED IN PARAGRAPHS 2, 3 AND 4 BELOW, SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART. WHERE SITES OR PORTION(S) OF CONSTRUCTION SITES HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS (E.G., SITE COVERED WITH SNOW OR ICE) OR DUE TO EXTREME DROUGHT, SUCH INSPECTION ONLY HAS TO BE CONDUCTED ONCE PER MONTH UNTIL THAWING OR PRECIPITATION RESULTS IN RUNOFF OR CONSTRUCTION ACTIVITY RESUMES. INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS THAT HAVE BEEN FINALLY STABILIZED. WRITTEN NOTIFICATION OF THE INTENT TO CHANGE THE INSPECTION FREQUENCY AND THE JUSTIFICATION FOR SUCH REQUEST MUST BE SUBMITTED TO THE LOCAL ENVIRONMENTAL FIELD OFFICE. SHOULD ENVIRONMENTAL GOVERNING AGENCY DISCOVER THAT MONTHLY INSPECTIONS OF THE SITE ARE NOT APPROPRIATE DUE TO INSUFFICIENT STABILIZATION MEASURES OR OTHERWISE, TWICE WEEKLY INSPECTIONS SHALL RESUME. ENVIRONMENTAL GOVERNING AGENCY MAY INSPECT THE SITE TO CONFIRM OR DENY THE NOTIFICATION TO CONDUCT MONTHLY INSPECTIONS.

2. QUALIFIED PERSONNEL (PROVIDED BY THE PERMITTEE OR COOPERATIVELY BY MULTIPLE PERMITTEES) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL.

3. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE SITE'S DRAINAGE SYSTEM. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY.

4. OUTFALL POINTS (WHERE DISCHARGES LEAVE THE SITE AND/OR ENTER WATERS OF THE STATE) SHALL BE INSPECTED TO DETERMINE WHETHER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

5. BASED ON THE RESULTS OF THE INSPECTION, ANY INADEQUATE CONTROL MEASURES OR CONTROL MEASURES IN DISREPAIR SHALL BE REPLACED OR MODIFIED, OR REPAIRED AS NECESSARY, BEFORE THE NEXT RAIN EVENT, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE NEED IS IDENTIFIED.

6. BASED ON THE RESULTS OF THE INSPECTION, THE SITE DESCRIPTION AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THIS SWPPP SHALL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE SWPPP, BUT IN NO CASE LATER THAN 14 DAYS FOLLOWING THE INSPECTION.

7. ALL INSPECTIONS SHALL BE DOCUMENTED ON THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM PROVIDED IN THE SWPPP REPORT FOR ALL CONSTRUCTION SITES. INSPECTION DOCUMENTATION WILL BE MAINTAINED ON SITE AND MADE AVAILABLE TO ENVIRONMENTAL GOVERNING AGENCY UPON REQUEST. INSPECTION REPORTS MUST BE SUBMITTED TO ENVIRONMENTAL GOVERNING AGENCY WITHIN 10 DAYS OF THE REQUEST. IF ENVIRONMENTAL GOVERNING AGENCY REQUESTS THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM TO BE SUBMITTED, THE SUBMITTED FORM MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE TRAINED CERTIFIED INSPECTOR AND THE PERSON WHO MEETS THE SIGNATORY REQUIREMENTS OF SECTION 7.7.2 OF THE NPDES GENERAL PERMIT.

8. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION DOCUMENTATION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES.

9. SUBSEQUENT OPERATOR(S) (PRIMARY PERMITTEES) WHO HAVE OBTAINED COVERAGE UNDER THE NPDES GENERAL PERMIT SHOULD CONDUCT TWICE WEEKLY INSPECTIONS, UNLESS THEIR PORTION(S) OF THE SITE HAS BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS OR DUE TO EXTREME DROUGHT AS STATED IN PARAGRAPH A) ABOVE. THE PRIMARY PERMITTEE IS NO LONGER REQUIRED TO CONDUCT INSPECTIONS OF PORTIONS OF THE SITE THAT ARE COVERED BY A SUBSEQUENT PRIMARY PERMITTEE.

SITE ASSESSMENT NOTES

1. THE SITE ASSESSMENT SHALL BE PERFORMED BY INDIVIDUALS WITH THE FOLLOWING QUALIFICATIONS:
   - A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
   - A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) OR
   - OTHER PERSONNEL WHO MEET THE CERTIFICATION AND TESTING REQUIREMENTS FOR SITE ASSESSMENT OF THE LOCAL ENVIRONMENTAL AGENCY, AND IS IN GOOD STANDING WITH THE LOCAL ENVIRONMENTAL AGENCY.

2. QUALITY ASSURANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE DONE BY PERFORMING SITE ASSESSMENT AT A CONSTRUCTION SITE. THE SITE ASSESSMENT SHALL BE CONDUCTED AT EACH OUTFALL INVOLVING DRAINAGE TOTALING 10 OR MORE ACRES OR 5 OR MORE ACRES IF DRAINING TO AN IMPAIRED OR EXCEPTIONAL QUALITY WATERS, WITHIN A MONTH OF CONSTRUCTION COMMENCING AT EACH PORTION OF THE SITE THAT DRAINS THE QUALIFYING ACREAGE OF SUCH PORTION OF THE SITE.

3. AS A MINIMUM, SITE ASSESSMENT SHOULD BE PERFORMED TO VERIFY THE INSTALLATION, FUNCTIONALITY AND PERFORMANCE OF THE EPSC MEASURES DESCRIBED IN THE SWPPP REPORT. THE SITE ASSESSMENT SHOULD BE PERFORMED WITH THE INSPECTOR, AND SHOULD INCLUDE A REVIEW AND UPDATE (IF APPLICABLE) OF THE SWPPP REPORT. MODIFICATIONS OF PLANS AND SPECIFICATIONS FOR ANY BUILDING OR STRUCTURE, INCLUDING THE DESIGN OF SEDIMENT BASINS OR OTHER SEDIMENT CONTROLS INVOLVING STRUCTURAL, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT AND STAMPED AND CERTIFIED IN ACCORDANCE WITH THE LOCAL ENVIRONMENTAL AGENCY CODES AND REGULATIONS.

4. THE SITE ASSESSMENT FINDINGS SHALL BE DOCUMENTED AND THE DOCUMENTATION KEPT WITH THE SWPPP REPORT AT THE SITE. AT A MINIMUM, THE DOCUMENTATION SHALL INCLUDE INFORMATION INCLUDED IN THE INSPECTION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT. THE DOCUMENTATION MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE INDIVIDUAL PERFORMING THE SITE ASSESSMENT AND THE FOLLOWING CERTIFICATION:

   "I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

5. THE SITE ASSESSMENT CAN TAKE THE PLACE OF ONE OF THE TWICE WEEKLY INSPECTIONS REQUIREMENT.

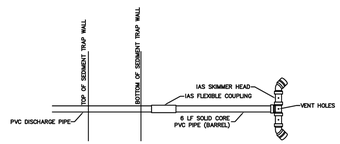
6. LOCAL ENVIRONMENTAL AGENCY MAY REQUIRE ADDITIONAL SITE ASSESSMENT(S) TO BE PERFORMED IF SITE INSPECTION BY LOCAL ENVIRONMENTAL AGENCY PERSONNEL REVEALS SITE CONDITIONS THAT HAVE POTENTIAL OF CAUSING POLLUTION TO THE WATERS OF THE STATE.

NOTE:

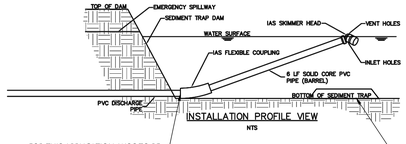
CONTRACTOR SHALL INSTALL A 4'X4' WEATHER PROOF SIGN (6' HEIGHT) AT THE MAIN CONSTRUCTION ENTRANCE. THE SIGN SHALL HAVE THE FOLLOWING INFORMATION:

1. A COPY OF THE NOTICE OF COVERAGE WITH THE NPDES PERMIT NUMBER (FURNISHED BY ENGINEER).
2. THE NAME AND TELEPHONE NUMBER OF A LOCAL CONTACT PERSON (FURNISHED BY CONSTRUCTION MANAGER).
3. DESCRIPTION OF PROJECT (FURNISHED BY CONSTRUCTION MANAGER).

IAS WATER QUALITY SKIMMER



INSTALLATION PLAN VIEW
NTS



INSTALLATION PROFILE VIEW
NTS

FOR THIS APPLICATION, WQS TO BE CONNECTED TO THE LOWEST ORIFICE OF THE DETENTION BASIN OUTLET STRUCTURE (NOT DIRECTLY TO DISCHARGE PIPE AS SHOWN).

CONSTRUCT ROCK PAD TO THE HEIGHT OF THE OUTLET ORIFICE INVERT FOR SKIMMER HEAD TO REST UPON WHEN POND IS DRY.

SKIMMER SIZE (IN)	COLOR CODE	BARREL SIZE (IN)	DISCHARGE PIPE SIZE (IN)	24 HOUR FLOW (CF)	2 DAY FLOW (CF)	3 DAY FLOW (CF)	4 DAY FLOW (CF)	5 DAY FLOW (CF)	6 DAY FLOW (CF)	7 DAY FLOW (CF)
1.5	RED	2	2	1,804	3,608	5,412	7,216	9,020	10,824	12,628
1.75	BLACK	2	2	2,405	4,810	7,216	9,621	12,027	14,432	16,837
2	YELLOW	3	3	3,928	7,856	11,784	15,712	19,640	23,568	27,496
2.5	GREEN	3	3	6,137	12,275	18,412	24,550	30,687	36,825	42,962
3	BLUE	4	4	10,205	20,410	30,616	40,812	51,026	61,232	71,437
4	ORANGE	4	4	22,220	44,440	66,661	88,881	111,101	133,322	155,542
5	SILVER	6	6	34,719	69,438	104,157	138,877	173,596	208,315	243,034
6	WHITE	6	6	49,995	99,991	149,987	199,983	249,978	299,974	349,970
8	NONE	8	8	102,631	205,262	307,894	410,525	513,156	615,788	718,419

IAS, LLC
200-39 LENNOX DRIVE
JAMESTOWN, NC 27282
PHONE: 336-698-4275
WWW.IASLLCUSA.COM

MADE IN THE USA
PATENT PENDING IAS, LLC

NOTES:
1. A 4" IAS (OR APPROVED EQUIVALENT) WATER QUALITY SKIMMER (WQS) SHALL BE USED IN THE PERMANENT DETENTION BASIN UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED.
2. THE WQS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND BE CONNECTED TO THE LOWEST ORIFICE OF THE DETENTION BASIN OUTLET STRUCTURE.

1 WATER QUALITY SKIMMER
NOT TO SCALE
WQS

DETAIL AT OUTLET STRUCTURE

2 SEDIMENT BASIN
NOT TO SCALE
SB

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY ECONOMIC DEVELOPMENT ASSOCIATION (ACEDA)
246 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

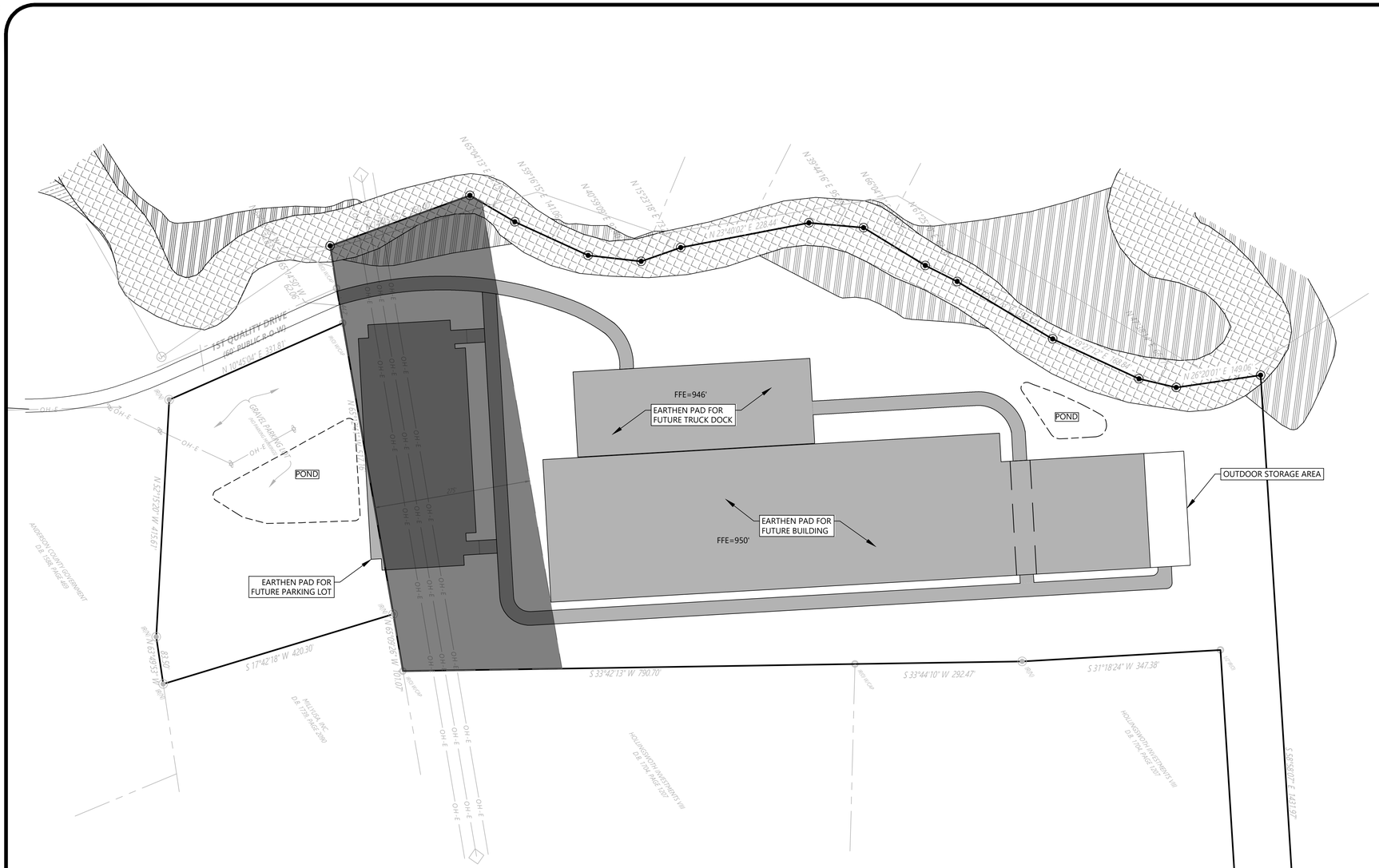
NO.	DATE	DESCRIPTION	BY	CHK	APV
1	5/23/23	EROSION CONTROL DETAIL UPDATE			

SEDIMENT AND EROSION CONTROL DETAILS

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424

DRAWING NUMBER
C3.4



SITE LAYOUT NOTES:

1. SITE LAYOUT SHOWN REPRESENTS A FUTURE 250K SF STRUCTURE WITH PARKING LOT AND TRUCK DOCK AREAS. ACTUAL FUTURE SITE LAYOUT AND DESIGN TO BE DETERMINED.

SITE DATA

COUNCIL DISTRICT:	THIRD
COUNCIL MEMBER:	JOSHUA ANDERSON / SHELLY VANDAGRIFF
PARCEL ID.:	032 04203 000 & 032 04210 000
SITE ADDRESS:	DAVID JONES INDUSTRIAL PARK ANDERSONVILLE, TN, 37705
SITE ACREAGE:	31 AC. (1,350,360 FT²)
EXISTING ZONING:	HEAVY INDUSTRIAL (I-2)
PROPOSED USE:	SITE DEVELOPMENT
OWNER:	ANDERSON COUNTY ECONOMIC DEVELOPMENT ASSOCIATION (ACEDA)
ADDRESS:	245 NORTH MAIN STREET SUITE 200 CLINTON, TN, 37716
PHONE NO.:	(865) 457-1785
CONTACT NAME:	MR. ANDY WALLACE
CONTACT E-MAIL ADDRESS:	president@andersoncountyeda.com
PROJECT REPRESENTATIVE:	BRAD SALSBURY, PE
ADDRESS:	6515 NIGHTINGALE LANE KNOXVILLE, TN 37909
PHONE NO.:	(865) 934-6023
CONTACT NAME:	BRAD SALSBURY, PE
CONTACT E-MAIL ADDRESS:	bsalsbury@smeinc.com

RECORDED DOCUMENTS: DEED BOOK (1) 1588 AND (2) 1533 PAGE (1) 469 AND (2) 2325

FEMA PANEL:
THE SUBJECT PROPERTY DOES LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 4700100133F, 1/17/2007, COMMUNITY NAME: ANDERSON COUNTY.

Know what's below.
Call before you dig.

0 100 200 300
GRAPHIC SCALE (IN FEET)
VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83/27

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

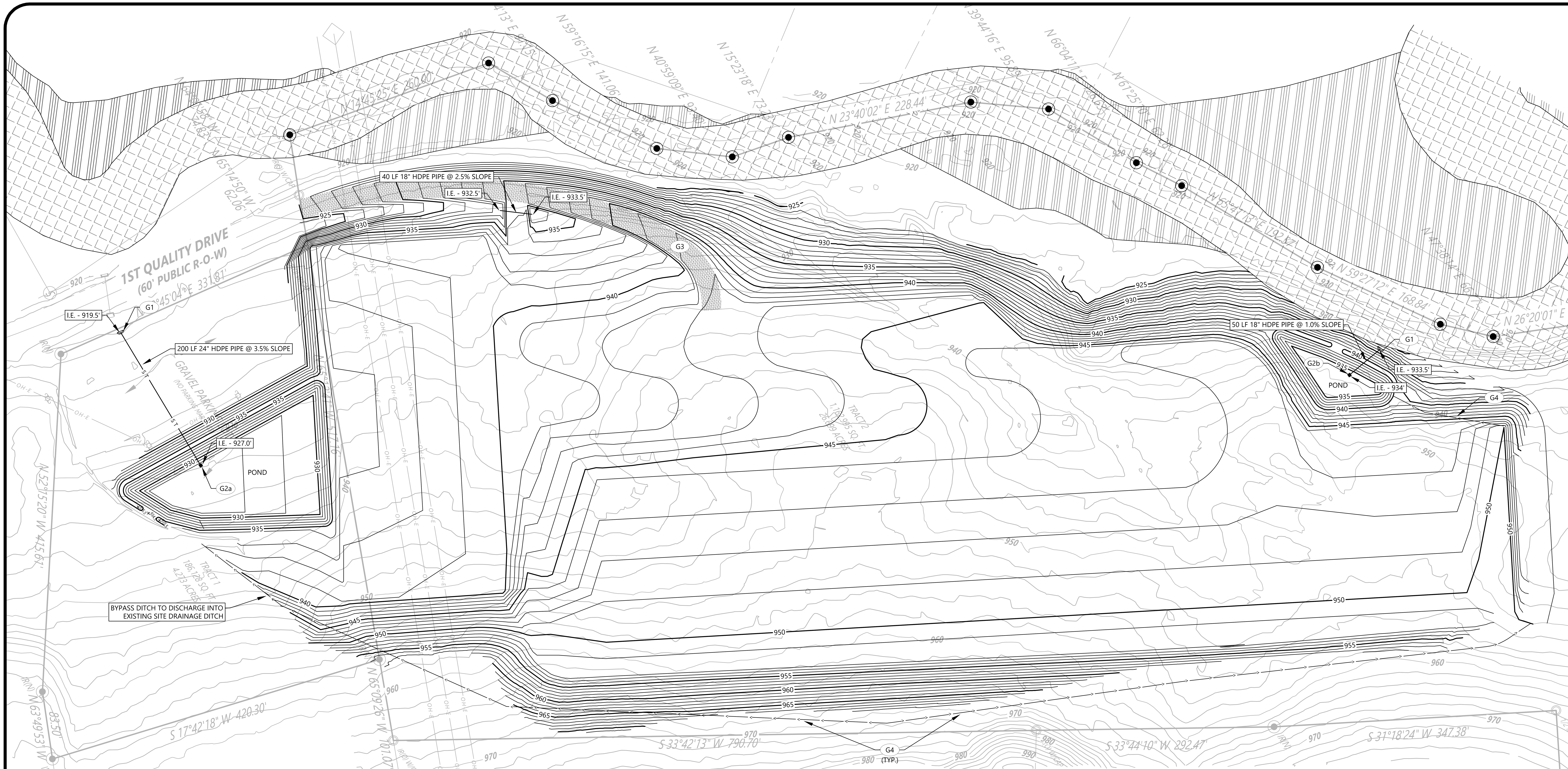
ANDERSON COUNTY ECONOMIC DEVELOPMENT ASSOCIATION (ACEDA)
245 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

NO.	DATE	DESCRIPTION	BY	CHK	APV

SITE LAYOUT PLAN

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424
DRAWING NUMBER
C5.0



GRADING & DRAINAGE KEYNOTES		
CODE	DESCRIPTION	DET #-SHT #
G1	CONCRETE HEADWALL - WINGED	6 - C8.0
G2a	DETENTION POND A STRUCTURE	1 - C8.0
G2b	DETENTION POND B STRUCTURE	2 - C8.0
G3	GRAVEL SURFACE	3 - C8.0
G4	RIPRAP SWALE	4 - C8.0

NOTES:

1. SEE SHEET C2.0 FOR GENERAL AND GRADING NOTES.
2. EXCAVATE THE PERMANENT STORMWATER DETENTION BASIN AS FIRST ITEM OF CONSTRUCTION. PLUG LOWER LEVEL ORIFICES USE AS A SEDIMENTATION BASIN DURING CONSTRUCTION. REMOVE ACCUMULATED SEDIMENT LANDSCAPE THE POND WHEN THE UPSTREAM DRAINAGE AREA IS STABILIZED.

PROPOSED FEATURES LEGEND

STORM PIPE	ST
PROPOSED MAJOR CONTOUR	90
PROPOSED MINOR CONTOUR	92
CURB INLET	
CATCH BASIN	
OUTLET STRUCTURE	
HEADWALL/ENDWALL	
TREE PROTECTION FENCING	TP

811
Know what's below.
Call before you dig.

GRAPHIC SCALE 0 60 120 180 (IN FEET)
VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83/27

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

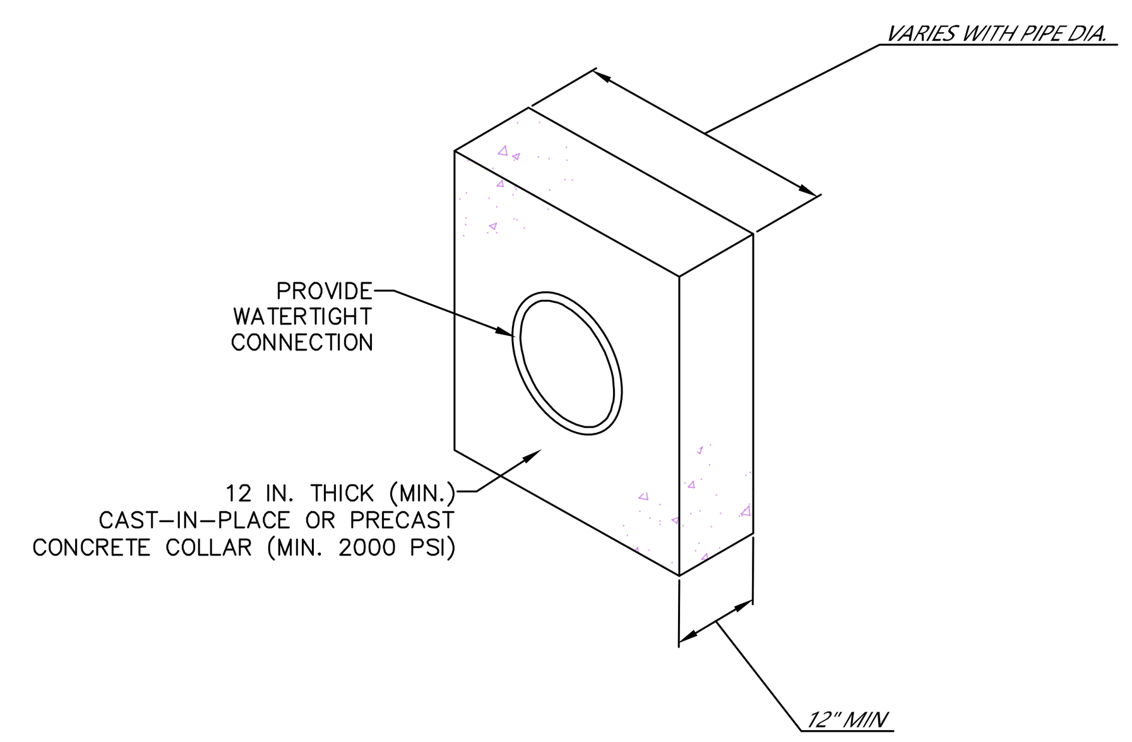
ANDERSON COUNTY
ECONOMIC DEVELOPMENT
ASSOCIATION (ACEDA)
245 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

NO.	DATE	DESCRIPTION	BY	CHK	APV

GRADING & DRAINAGE PLAN

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
211424
DRAWING NUMBER
C6.0

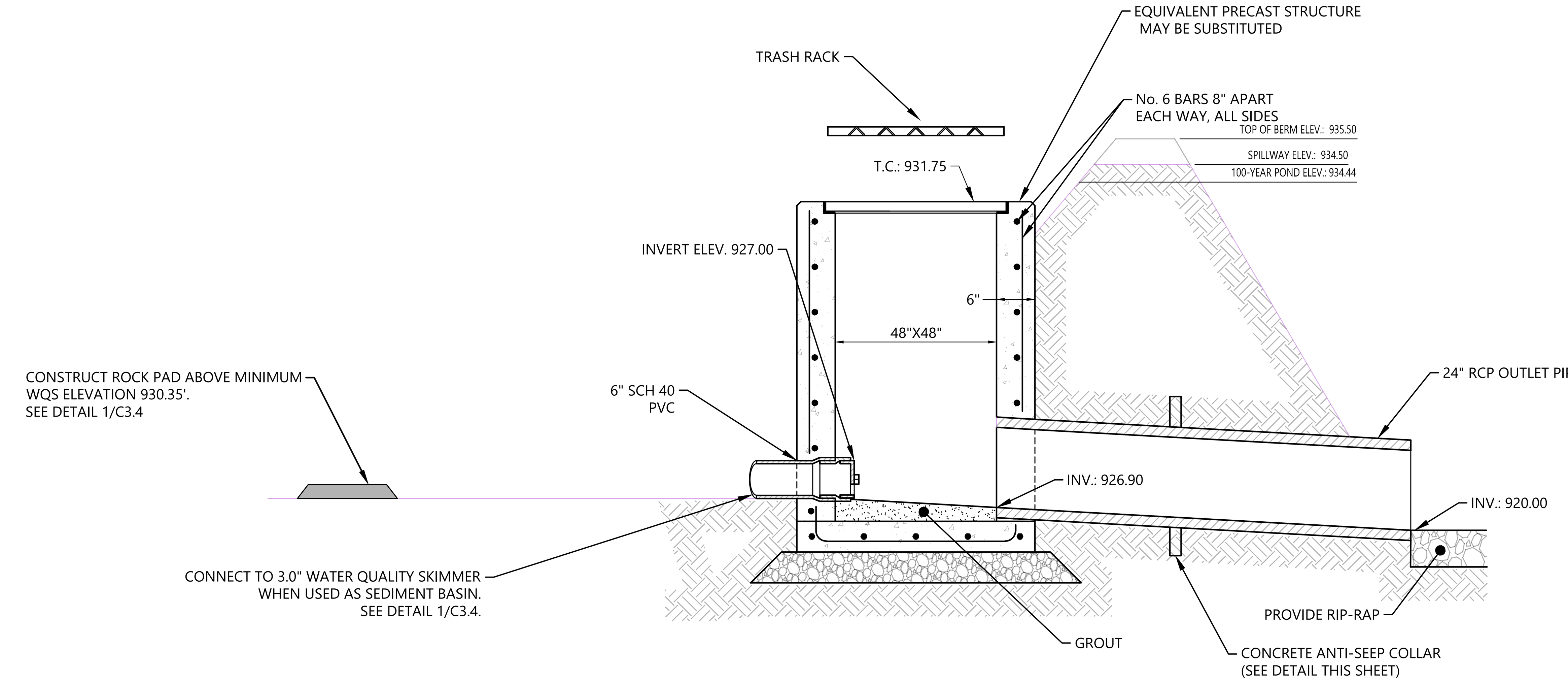


NOTES:

1. COLLAR WIDTH AND HEIGHT SHALL BE 3*OD OF PIPELINE.
2. USE COMPACTED CLAY BACKFILL USING SMALL MECHANICAL TAMPERS.
3. COLLARS SHALL BE PLACED AGAINST THE DOWNGRADE SIDE OF THE PIPE BELL.
4. COLLARS SHALL BE PLACED EVERY 35' ALONG PIPES WITH 12%-35% SLOPES.
5. COLLARS SHALL BE PLACED EVERY 25' ALONG PIPES WITH 35%-50% SLOPES.

5 ANTI-SEEP COLLAR

NOT TO SCALE



1 DETENTION POND A DETAILS

NOT TO SCALE

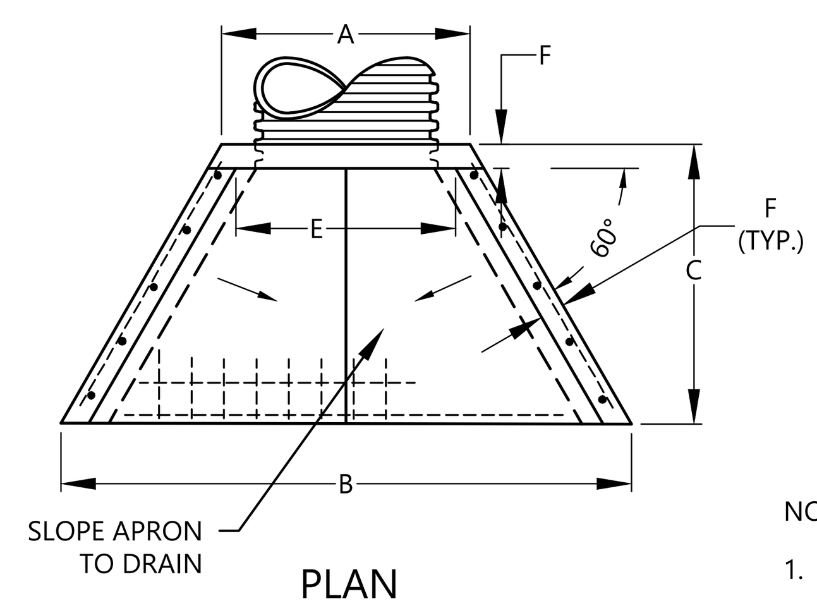
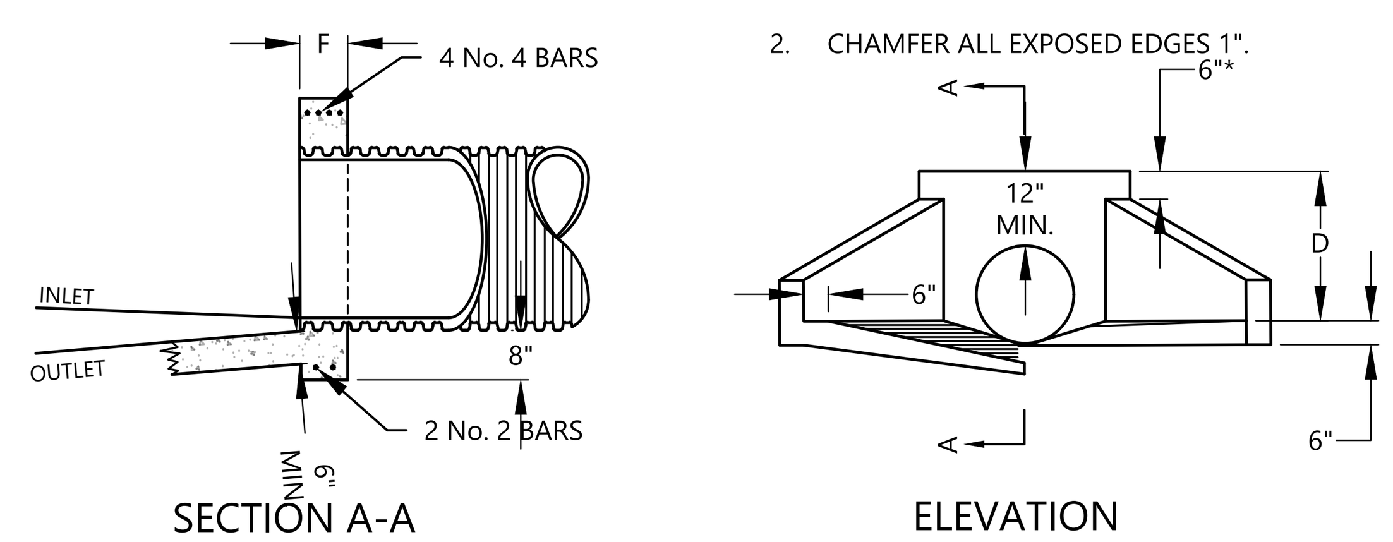


TABLE OF DIMENSIONS				
SIZE	4'	6'	8'	10'
A	32"	48"	72"	96"
B	48"	72"	96"	120"
C	30"	44"	50"	56"
D	25"	36"	52"	66"
E	24"	36"	59"	83"
F	N/A	8"	8"	8"
MAX. OPG.	18"	26"	40"	
WT. (LB)	1090	3130	5625	8575

* 0" ON 4' WINGED HEADWALL

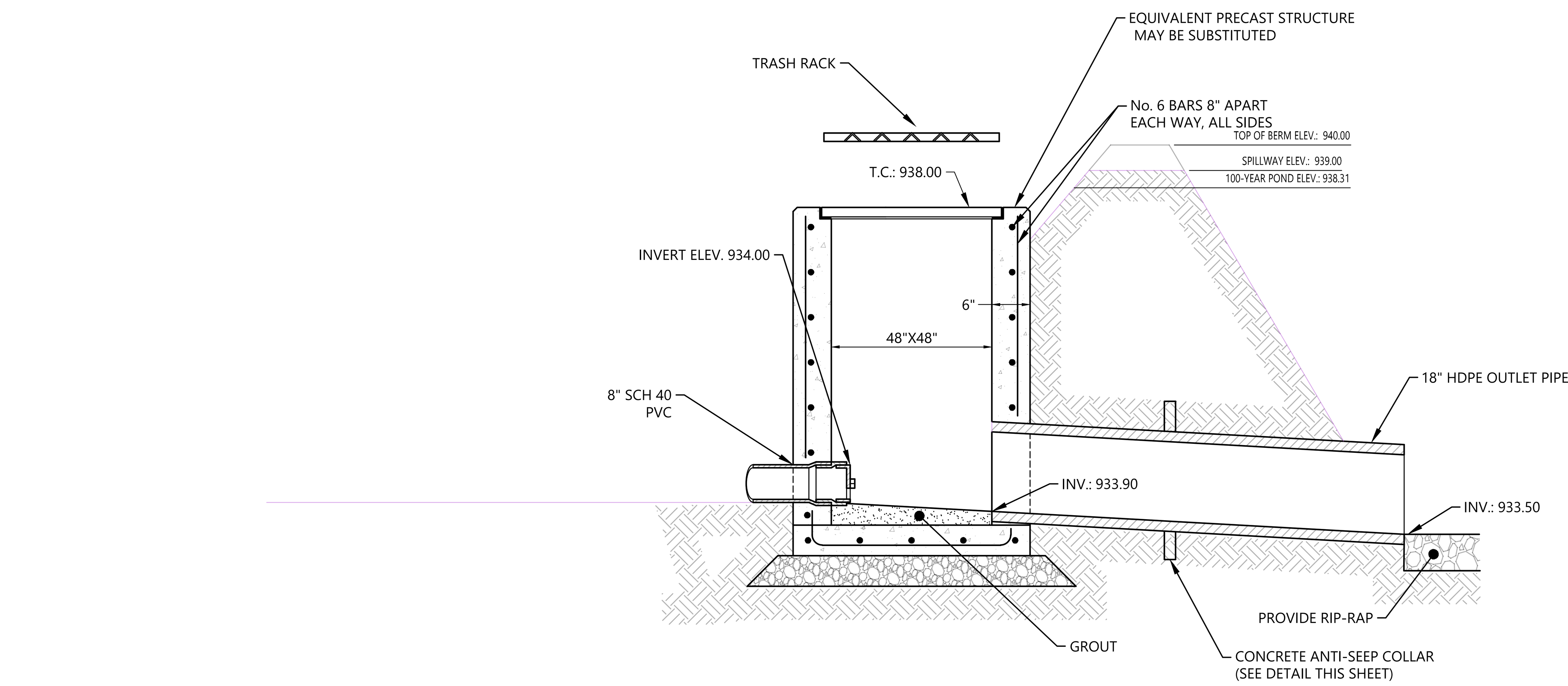
NOTE:

1. STEEL FEINFORCEMENT SHALL BE No. 4 BARS 12" APART EACH WAY IN FLOOR AND WALLS.
2. CHAMFER ALL EXPOSED EDGES 1".



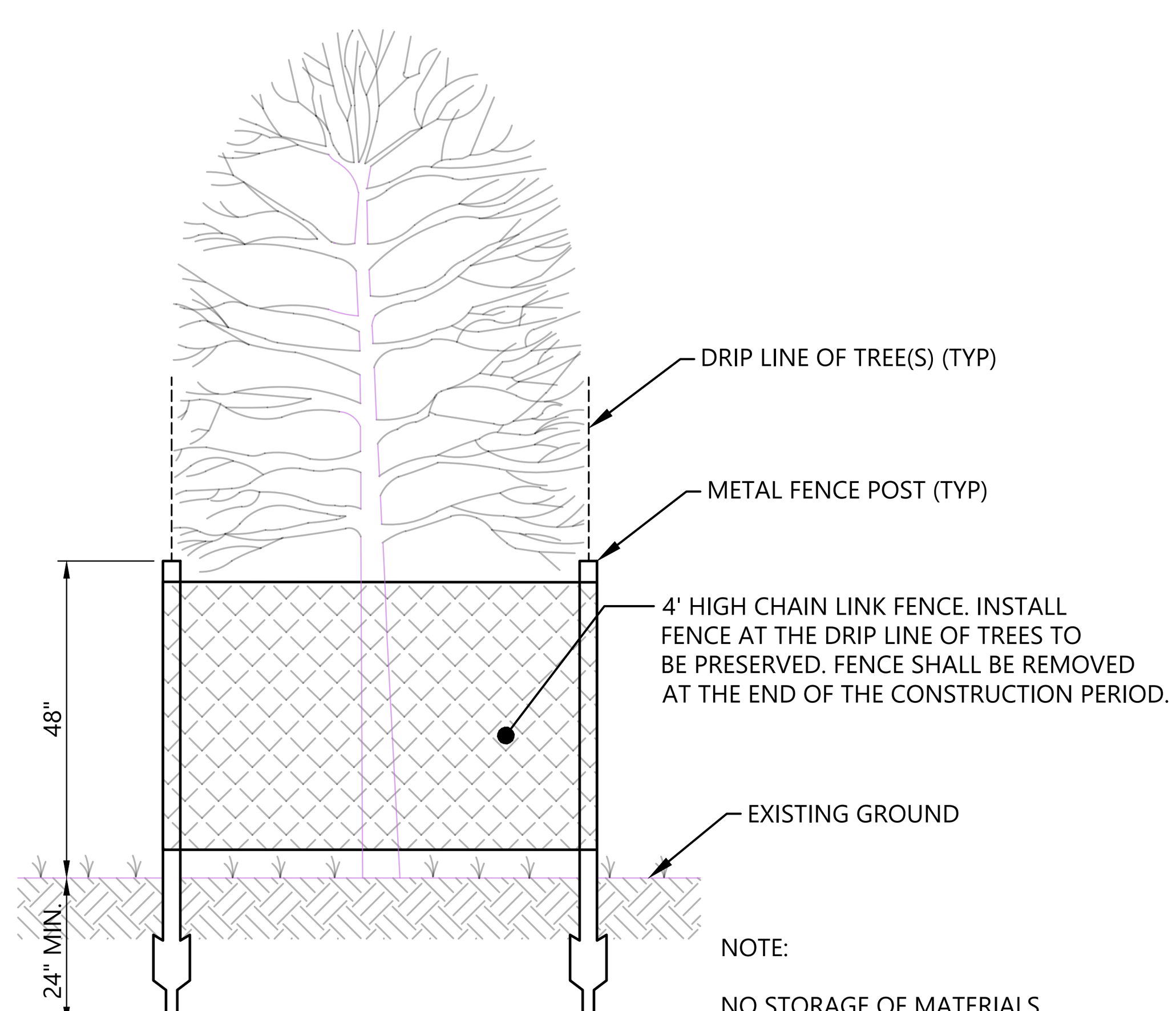
6 WINGED HEADWALL/ENDWALL

NOT TO SCALE



2 DETENTION POND B DETAILS

NOT TO SCALE

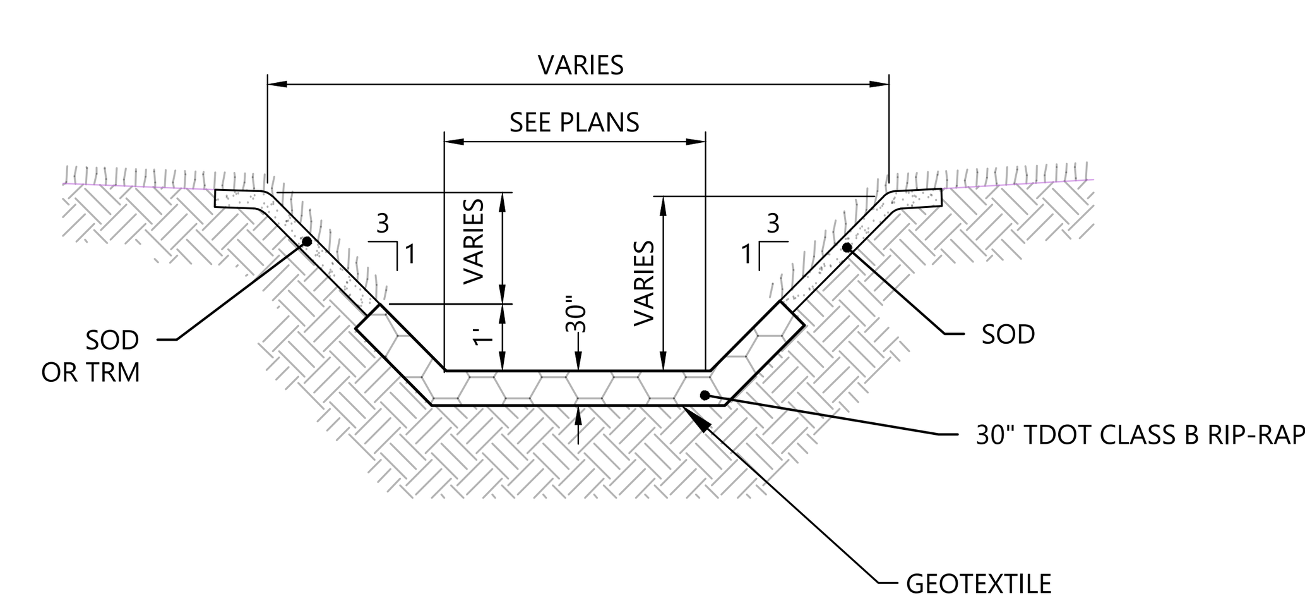


NOTE:

NO STORAGE OF MATERIALS SHALL BE ALLOWED WITHIN OR AGAINST THE TREE PROTECTION FENCING.

9 TREE PROTECTION

NOT TO SCALE

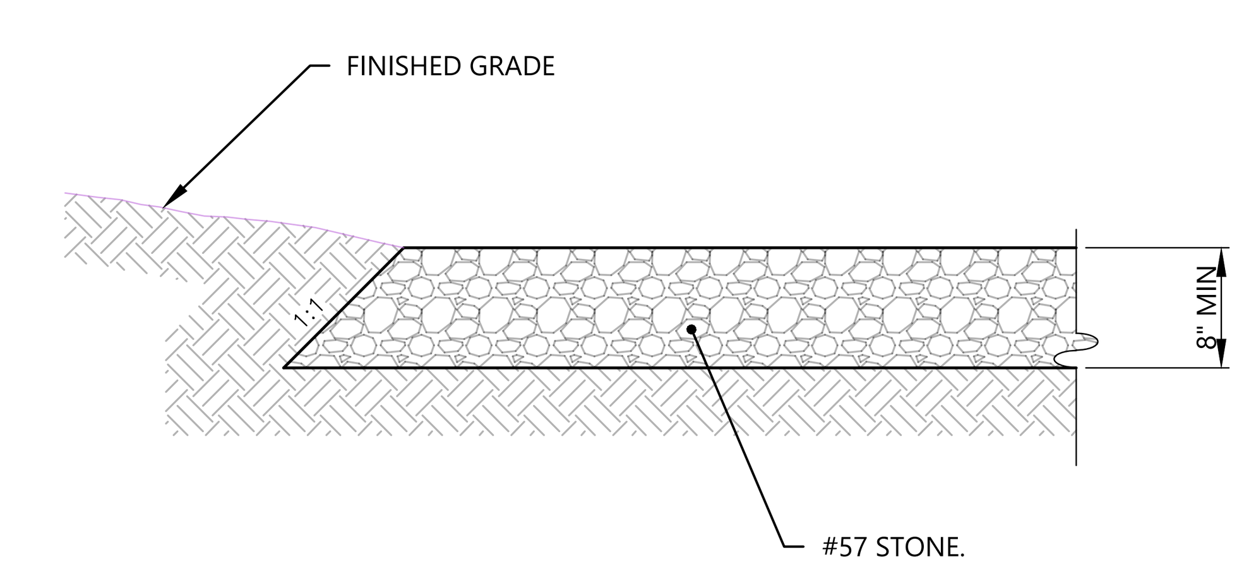


NOTES:

1. IF SELECTED USE PERMANENT TURF REINFORCEMENT MAT SC250 BY NORTH AMERICAN GREEN, OR APPROVED EQUAL.
2. INSTALL GEOTEXTILE PER MANUFACTURE SPECIFICATIONS. TRENCH IN
3. GEOTEXTILE SHALL MEET MIN VALUES BELOW.
   3.1. TENSILE STRENGTH: 200 LBS
   3.2. UV DEGRADATION @ 500 HRS: 70%
   3.3. PUNCTURE STRENGTH: 80 LBS
   3.4. BURST STRENGTH: 180 PSI
   3.5. TRAPEZOIDAL TEAR STRENGTH: 60 LBS
   3.6. WEIGHT: 6 OZ/ SQ.YD.
   3.7. APPARENT OPENING SIZE: 70 (US SIEVE SIZES)
4. FIELD JOINT BY SEWING, WITH NYLON TREAD @ 5 STITCHES PER INCH.

4 RIPRAP SWALES

NOT TO SCALE



3 GRAVEL SURFACE

NOT TO SCALE

6515 NIGHTINGALE LANE
KNOXVILLE, TN 37909
(865) 934-6023

ANDERSON COUNTY ECONOMIC DEVELOPMENT ASSOCIATION (ACEDA)
245 NORTH MAIN STREET SUITE 200
CLINTON, TN 37716

NO.	DATE	DESCRIPTION	BY	CHK	APV

DETAILS

BID SET
FIRST QUALITY DRIVE
DAVID JONES INDUSTRIAL PARK
ANDERSONVILLE, ANDERSON COUNTY, TENNESSEE

PROJECT NUMBER
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C8.0