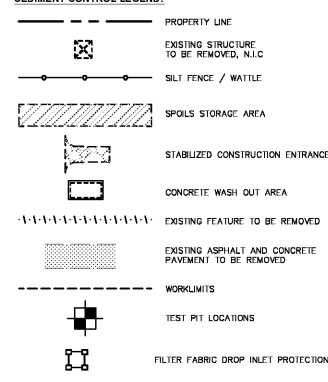
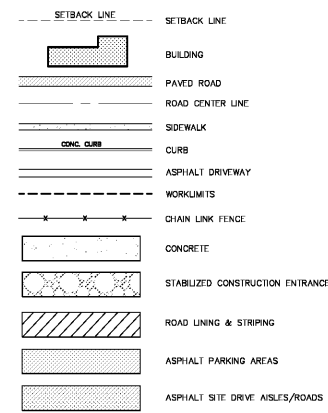


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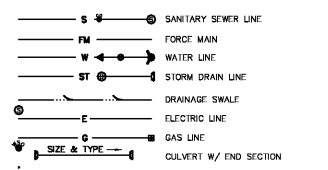
DEMOLITION AND EROSION & SEDIMENT CONTROL LEGEND:



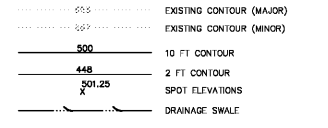
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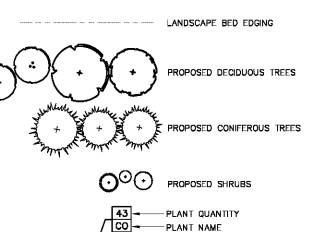
UTILITIES:



GRADING:



LANDSCAPING LEGEND:



DEMOLITION NOTES:

- 1. REFER TO REQUIREMENTS OUTLINED IN THE EROSION & SEDIMENTS CONTROL PLANS & NOTICES PRIOR TO COMMENCEMENT OF WORK.
2. PROTECT, FENCE, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
3. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE...

GRADING NOTES:

- 1. PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. IF ROCK IS ENCOUNTERED DURING CONSTRUCTION & REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION...

ROCK BLASTING NOTES:

- 1. BLASTING OF BEDROCK IS NOT ANTICIPATED AT THIS SITE IN ORDER TO COMPLETE THE PROPOSED DEVELOPMENT. HOWEVER, THESE NOTES SHOULD BE USED TO IDENTIFY UNDESIRABLE CONDITIONS THAT REQUIRE THE NEED FOR BLASTING TO EXCAVATE BEDROCK.
2. ALL RECOMMENDED SAFETY REQUIREMENTS AND STANDARDS REFERENCED AND ANY LOCAL RESTRICTIONS SHALL BE APPLIED AS REQUIRED FOR SAFETY, SECURITY, AND SPECIALLY RELATED DETAILS FOR BLASTING PROCEDURES...

COMPACTION REQUIREMENTS

Table with 3 columns: LOCATION, COMPACTION, TESTING FREQUENCY. Rows include Pipe Trench Backfill (Paved/Unpaved), Pipe Bedding and Pipe Zone Backfill, Pavement Subbase, and Granular Fill.

DEVELOPMENT SUMMARY

Table with 3 columns: LOCATION, REQUIRED, PROPOSED. Rows include Project Zoning, Minimum Lot Size, Permitted Surface, Setback, Height Standards, and Floor Area Ratio (FAR).

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH TDEC'S TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK DATED AUGUST 2012 OR LATEST EDITION.
2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES...

EROSION AND SEDIMENT CONTROL MEASURES:

- 1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
2. SOILS TO BE EXPOSED PRIOR TO CONSTRUCTION SHALL BE PRESERVED FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES...

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

- PERMANENT AND TEMPORARY VEGETATION: INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESEED IMMEDIATELY.
STABILIZED CONSTRUCTION ENTRANCE: INSPECT THE ENTRANCE SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY...

- SILT FENCE: INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/2 THE HEIGHT OF THE FENCE...
SOIL STOCKPILE: INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT...

- DUST CONTROL: SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER).
CHECK DAM: INSPECT CHECK DAMS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT...

- EROSION CONTROL BLANKET: INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED IMMEDIATELY.
TEMPORARY SWALE: INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT...

- STORM DRAIN INLET PROTECTION: INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT FROM THE AREA AS NECESSARY.
DEWATERING PITS: INSPECT DURING OPERATION FOR CLOGGING OR OVERFLOW. REMOVE DEBRIS AND DISINTEGRATION IF FILTER MATERIAL BECOMES CLOGGED...

- CONSTRUCTION SEQUENCING NOTES: 1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS...

- CONSTRUCTION SEQUENCING NOTES: 1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (RRAP OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION (E.T.C.)
2. THE CONTRACTOR SHALL CLEAR AND GRUB THE AREA OF THE STORMWATER MANAGEMENT FACILITIES THIS AREA SHALL NOT EXCEED FIVE (5) ACRES IN EXTENT WITHOUT TEMPORARY STABILIZATION.

- CONSTRUCTION SEQUENCING NOTES: 3. PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (RRAP OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION (E.T.C.)
4. THE CONTRACTOR SHALL INSTALL ANY PROPOSED TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (I.E., VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.)

- CONSTRUCTION SEQUENCING NOTES: 5. TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.
6. THE CONTRACTOR SHALL CONDUCT SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.

- CONSTRUCTION SEQUENCING NOTES: 7. INSTALL PROTECTIVE MEASURES AT THE LOCATIONS ALL GRAVE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED SEWER INLET PIPES.
8. CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, MANHOLES, AND STORM SEWER MANHOLLS AS SHOWN ON THE PLANS. INLET PROTECTION MAT SHALL BE REMOVED IMMEDIATELY FOR THIS CONSTRUCTION. PLACE REQUIRED RRAP AT LOCATIONS SHOWN ON THE PLANS.

- CONSTRUCTION SEQUENCING NOTES: 9. FINALIZE PAVEMENT SUB-GRADE PREPARATION. TO REMOVE PROTECTIVE MEASURES AROUND INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
10. INSTALL SUB-BASE MATERIAL AS REQUIRED FOR PAVING. PRIOR TO FINALIZING CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILL AND SEDIMENT.

- CONSTRUCTION SEQUENCING NOTES: 11. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.

CITY OF CHATTANOOGA COMPLIANCE NOTES:

- 1. CONTRACTOR SHALL NOTIFY SURVEYOR & CITY STORMWATER INSPECTOR AT LEAST 48 HRS PRIOR TO ANY COVER PLACED ON UNDERGROUND SYSTEMS. FAILURE TO DO SO MAY RESULT IN RE-EXCAVATION.
2. ANY SLOPES STEEPER THAN 3:1 (18.4 DEGREES) SHALL BE ANALYZED BY A GEOTECHNICAL ENGINEER FOR STABILITY. THE FOND EMBANKMENT DESIGN MUST BE REVIEWED BY A GEOTECHNICAL ENGINEER FOR STRUCTURAL STABILITY AND EROSION POTENTIAL.

CITY OF CHATTANOOGA LANDSCAPE NOTES:

- 1. COMPLY WITH ALL BUFFER AND TREE PROTECTION REQUIREMENTS AND SCHEDULE A PRE-CONSTRUCTION INSPECTION WITH THE CITY OF CHATTANOOGA'S LANDSCAPE INSPECTOR PRIOR TO THE ONSET OF CONSTRUCTION OR LAND DISTURBANCE. AN APPOINTMENT MAY BE SCHEDULED BY CALLING (423) 843-5837, A MINIMUM OF TWO BUSINESS DAYS BEFORE THE DESIRED INSPECTION APPOINTMENT.
2. COMPLY WITH ALL PERMANENT LANDSCAPE REQUIREMENTS AND SCHEDULE A LANDSCAPE INSPECTION WITH THE CITY OF CHATTANOOGA'S LANDSCAPE INSPECTOR PRIOR TO THE ONSET OF CONSTRUCTION OR LAND DISTURBANCE. AN APPOINTMENT MAY BE SCHEDULED BY CALLING (423) 843-5837, A MINIMUM OF TWO BUSINESS DAYS BEFORE THE DESIRED INSPECTION APPOINTMENT.

GENERAL NOTES:

- 1. BASE MAP INFORMATION TAKEN FROM A TOPOGRAPHIC, UTILITY AND BOUNDARY SURVEY PREPARED BY THE R.L.S. GROUP, ENTITLED "TRAC1 18 OF HAWK PARK SUBDIVISION, CHATTANOOGA, TENNESSEE" DATED APRIL 2019.
2. ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

- 3. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON, SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED.
4. NATURAL RESOURCES SHOWN HEREON WERE DELINEATED BY ALTERNATIVE ACTIONS INC. DATED MAY 17, 2018.

STORM SEWER/STORMWATER NOTES:

- 1. THE PROJECT SITE IS LOCATED IN CITY OF CHATTANOOGA SANITARY SUBBASIN CHATTANOOGA CREEK 1, A SUBBASIN THAT IS CONSIDERED TO BE A HIGH RISK AREA FOR STORMWATER DISCHARGE.
2. THE PROJECT STORMWATER DISCHARGE ARE TRIBUTARY TO CITY CLOSED STORM SEWER & WATERWAYS OF THE STATE/US. HEREFORE, CITY OF CHATTANOOGA WATER QUALITY STAY ON VOLUME/BOX TSS REQUIREMENTS APPLY.
3. THE PROJECT DOES NOT INCREASE POINT CONCENTRATION IMPROVED SURFACES, AND DOES NOT ALTER EXISTENT DRAINAGE PATTERNS, HOWEVER, A HYDRAULIC/HYDROLOGIC ANALYSIS HAS BEEN PROVIDED.

WATER SYSTEM NOTES:

- 1. THE WATER SYSTEM AND ALL CONNECTED TO THE FIRE PROTECTION SERVICES SHALL BE TESTED AND APPROVED BY TENNESSEE AMERICAN WATER BEFORE CONSTRUCTION.
2. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL NECESSARY TARIFF FEES OR ESTIMATED FEES, AND PROVIDE NOTIFICATION FROM THE UTILITY PROVIDER PRIOR TO STARTING WORK. REFER TO PLAN FOR DETAILED WATER INFORMATION.

FLOODPLAIN NOTES:

- 1. ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP (FIRM), HAMILTON COUNTY, TENNESSEE, COMMUNITY PANEL NUMBER 47003020300 DATED APRIL 2019, THE PROJECT SITE LIES WITHIN FLOOD ZONE X, AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

ENVIRONMENTAL COMPLIANCE NOTES:

- 1. REFER TO ENVIRONMENTAL CONSULTANT FOR BROWNFIELD SOILS MANAGEMENT PLANS PRIOR TO INSTALLATION OF EROSION & SEDIMENT CONTROL MEASURES AND COMMENCEMENT OF LAND DISTURBANCE.
2. ANY MATERIAL BEING TRANSPORTED/SPOILED/DISPOSED OF SHALL COMPLY WITH THE ENVIRONMENTAL DOCUMENTS ASSOCIATED WITH THE PROJECT.
3. REFER TO ENVIRONMENTAL REPORTS FOR SPECIFIC SOIL CAPPING MATERIAL.

SURVEY COMPLIANCE NOTES:

- 1. ALL PROPERTY LINES MUST BE STAKED AT 50 FOOT ON CENTER MINIMUM BY A PROFESSIONAL LAND SURVEYOR WHILE RETAINING WALLS OR SLOPES STEEPER THAN 3:1 WILL BE WITHIN 1 FOOT OF PROPERTY LINE.

UNDERGROUND STORMWATER MANAGEMENT NOTES:

- 1. CONTRACTOR SHALL NOTIFY SURVEYOR AND CITY STORMWATER INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY COVER PLACED ON UNDERGROUND SYSTEMS. FAILURE TO DO SO MAY RESULT IN RE-EXCAVATION AND/OR RE-CONSTRUCTION AT THE OWNERS/CONTRACTOR'S EXPENSE.
2. STORMWATER MANAGEMENT SYSTEMS SHALL NOT BE INSTALLED UNTIL THE SITE IS SUBSTANTIALLY STABILIZED AND OTHER MEASURES ARE TAKEN TO PREVENT DAMAGE FROM SEDIMENT AND CONSTRUCTION DEBRIS FROM TRIBUTARY AREAS.

SURFACE COVERAGE TABLE - 3204 & 3220 WILLIAMS

Table with 3 columns: IMPERVIOUS AREA (ACRES), GREEN AREA (ACRES), TOTAL LOT AREA (ACRES). Rows for Existing and Proposed.

SURFACE COVERAGE TABLE - 3225 BROAD (TRAIL)

Table with 3 columns: IMPERVIOUS AREA (ACRES), GREEN AREA (ACRES), TOTAL LOT AREA (ACRES). Rows for Existing and Proposed.

PARKING SUMMARY

Table for Foundry93 Residential Development (Outside Gated Area). Columns: Unit Description, Unit Count, Parking Requirement, Parking Required (w/o reduction), Parking Provided, Type Provided.

Table for 33rd & Broad Residential Development (Within Gated Area). Columns: Unit Description, Unit Count, Parking Requirement, Parking Provided, Type Provided.

Table for Parking Discounts. Columns: One parking space for every bicycle space provided, Minimum bike rack spaces assumed, Discount.

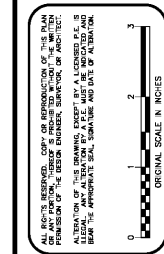
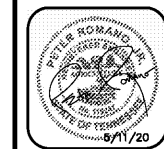
Table for Development Connects via new or existing walks to establish sidewalk grid linked to multiple land uses. Columns: Development Connects via new or existing walks to establish sidewalk grid linked to multiple land uses, a 10% discount may be applied, Discount.

Table for Total Discount Applied. Columns: Total Discount Applied, Total Spaces Required With Discount, Total Spaces Provided.

Table for Miscellaneous Requirements. Columns: Requirement, Required, Provided.

Table for Apartments Parking Summary. Columns: Number of Bedrooms - Apartments, Total Parking Provided within Gated Area.

Table for Project Information. Columns: Project No., Date, Scale, Sheet No.



CHAZEN ENGINEERING CONSULTANTS, LLC
1428 Williams Street (Suite 17)
Chattanooga, Tennessee 37312
Phone: (423) 241-6970
Fax: (423) 241-6970

Table with 2 columns: Unit Description, Unit Count. Rows for Townhomes (3 BR's ea.), street parking (parallel), visitor spaces.

Table with 2 columns: Unit Description, Unit Count. Rows for One Bedroom Apartment, Two Bedroom Apartment, Three Bedroom Apartment.

FOUNDRY93 - RESIDENTIAL DEVELOPMENT
NOTES AND LEGENDS
CITY OF CHATTANOOGA, HAMILTON COUNTY, TN

Table for Project Information. Columns: Drawn, Checked, Date, Scale, Project No., Sheet No.