ANDOVER CLUB

3450 & 3550 TODDS ROAD
CLUBHOUSE

DEVELOPER:
ANDERSON ACQUISITIONS, LLC
1720 SHARKEY WAY
LEXINGTON, KENTUCKY 40511

STANDARDS OF CONSTRUCTION

L.F.U.C.G. STANDARDS, L.F.U.C.G. SUBDIVISION REGULATIONS AND KENTUCKY DEPARTMENT OF HIGHWAYS SPECIFICATIONS, ALL LATEST EDITIONS, SHALL APPLY TO THE WORK DESCRIBED WITHIN THESE PLAN DOCUMENTS UNLESS SPECIFICALLY DIRECTED BY NOTE OTHERWISE.

SHEET INDEX

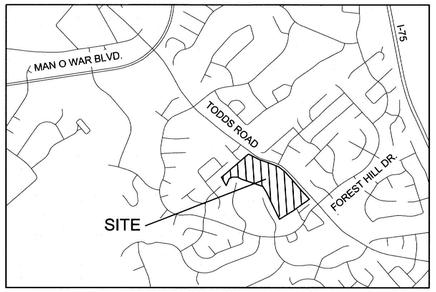
VICINITY MAP

EA Partners, PLC
CIVIL ENGINEERS • LAND SURVEYORS • LANDSCAPE ARCHITECTS
3111 WALL STREET
LEXINGTON, KENTUCKY 40513
PHONE (859) 296-9889
FACSIMILE (859) 296-9887

SET NO. _____

SET DATE _____

STATE OF KENTUCKY
THOMAS W. HATFIELD
15133
LICENSED PROFESSIONAL ENGINEER
6/13/23



Vicinity Map

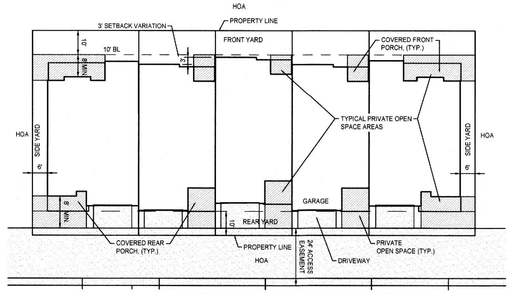
UTILITY PROVIDERS:

COLUMBIA GAS
2001 MERCER ROAD
P.O. BOX 1421
LEXINGTON, KY 40512
(859) 288-0215

KENTUCKY AMERICAN
WATER COMPANY
2300 RICHMOND ROAD
LEXINGTON, KY 40502
(859) 269-2386

KENTUCKY UTILITIES
500 STONE ROAD
LEXINGTON, KY 40503
1-800-981-0600

WINDSTREAM
130 WEST NEW CIRCLE ROAD
SUITE 170
LEXINGTON, KY 40505
(859) 357-6250



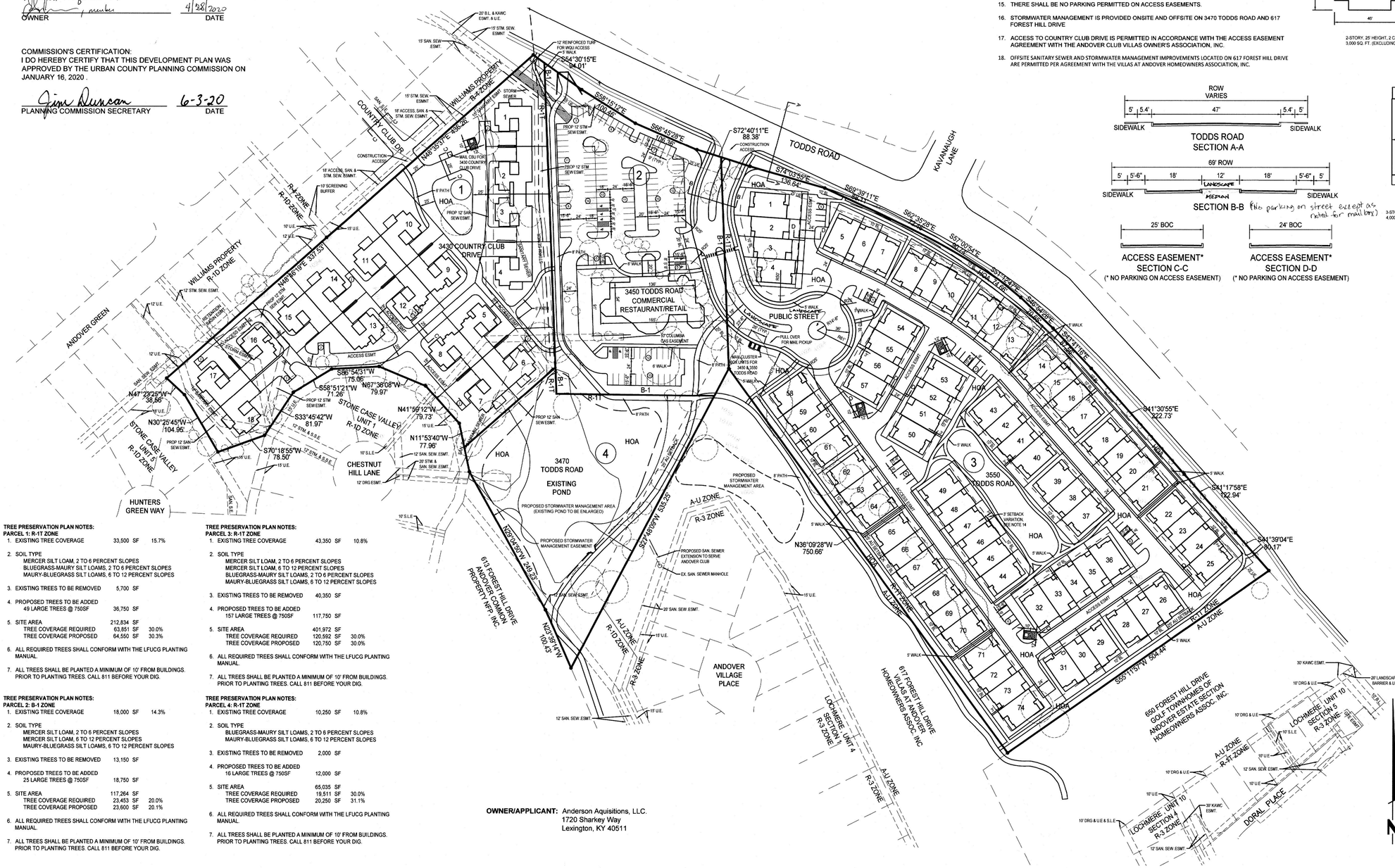
PRIVATE OPEN SPACE - 10% REQUIRED PER LOT

OWNERS CERTIFICATION:
I (WE) DO HEREBY CERTIFY THAT I AM (WE ARE) THE OWNERS OF THE PROPERTY SHOWN HEREON, DO FULLY AGREE TO ALL GRAPHIC AND TEXTUAL REPRESENTATIONS SHOWN HEREON, AND DO ADOPT THIS AS MY (OUR) DEVELOPMENT PLAN FOR THE PROPERTY.

Anderson Acquisitions, LLC
OWNER, member — 4/28/2020 DATE

COMMISSION'S CERTIFICATION:
I DO HEREBY CERTIFY THAT THIS DEVELOPMENT PLAN WAS APPROVED BY THE URBAN COUNTY PLANNING COMMISSION ON JANUARY 16, 2020 .

Jim Duncan — 6-3-20
PLANNING COMMISSION SECRETARY — DATE



OWNER/APPLICANT: Anderson Aquisitions, LLC.
1720 Sharkey Way
Lexington, KY 40511

TREE PRESERVATION PLAN NOTES:
PARCEL 1: R-1T ZONE

1. EXISTING TREE COVERAGE	33,500	SF	15.7%
2. SOIL TYPE			
MERCER SILT LOAM, 2 TO 6 PERCENT SLOPES			
BLUEGRASS-MAURY SILT LOAMS, 2 TO 6 PERCENT SLOPES			
MAURY-BLUEGRASS SILT LOAMS, 6 TO 12 PERCENT SLOPES			
3. EXISTING TREES TO BE REMOVED	5,700	SF	
4. PROPOSED TREES TO BE ADDED			
49 LARGE TREES @ 750SF	36,750	SF	
5. SITE AREA	212,834	SF	
TREE COVERAGE REQUIRED	63,851	SF	30.0%
TREE COVERAGE PROPOSED	64,550	SF	30.3%

6. ALL REQUIRED TREES SHALL CONFORM WITH THE LFUCG PLANTING MANUAL.
7. ALL TREES SHALL BE PLANTED A MINIMUM OF 10' FROM BUILDINGS. PRIOR TO PLANTING TREES. CALL 811 BEFORE YOUR DIG.

TREE PRESERVATION PLAN NOTES:
PARCEL 2: B-1 ZONE

1. EXISTING TREE COVERAGE	18,000	SF	14.3%
2. SOIL TYPE			
MERCER SILT LOAM, 2 TO 6 PERCENT SLOPES			
MERCER SILT LOAM, 6 TO 12 PERCENT SLOPES			
MAURY-BLUEGRASS SILT LOAMS, 6 TO 12 PERCENT SLOPES			
3. EXISTING TREES TO BE REMOVED	13,150	SF	
4. PROPOSED TREES TO BE ADDED			
25 LARGE TREES @ 750SF	18,750	SF	
5. SITE AREA	117,264	SF	
TREE COVERAGE REQUIRED	23,453	SF	20.0%
TREE COVERAGE PROPOSED	23,600	SF	20.1%

6. ALL REQUIRED TREES SHALL CONFORM WITH THE LFUCG PLANTING MANUAL.
7. ALL TREES SHALL BE PLANTED A MINIMUM OF 10' FROM BUILDINGS. PRIOR TO PLANTING TREES. CALL 811 BEFORE YOUR DIG.

TREE PRESERVATION PLAN NOTES:
PARCEL 3: R-1T ZONE

1. EXISTING TREE COVERAGE	43,350	SF	10.8%
2. SOIL TYPE			
MERCER SILT LOAM, 2 TO 6 PERCENT SLOPES			
MERCER SILT LOAM, 6 TO 12 PERCENT SLOPES			
BLUEGRASS-MAURY SILT LOAMS, 2 TO 6 PERCENT SLOPES			
MAURY-BLUEGRASS SILT LOAMS, 6 TO 12 PERCENT SLOPES			
3. EXISTING TREES TO BE REMOVED	40,350	SF	
4. PROPOSED TREES TO BE ADDED			
157 LARGE TREES @ 750SF	117,750	SF	
5. SITE AREA	401,972	SF	
TREE COVERAGE REQUIRED	120,592	SF	30.0%
TREE COVERAGE PROPOSED	120,750	SF	30.0%

6. ALL REQUIRED TREES SHALL CONFORM WITH THE LFUCG PLANTING MANUAL.
7. ALL TREES SHALL BE PLANTED A MINIMUM OF 10' FROM BUILDINGS. PRIOR TO PLANTING TREES. CALL 811 BEFORE YOUR DIG.

TREE PRESERVATION PLAN NOTES:
PARCEL 4: R-1T ZONE

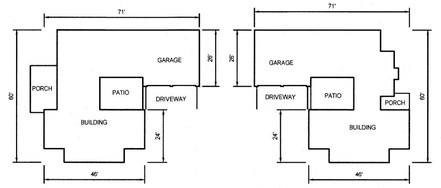
1. EXISTING TREE COVERAGE	10,250	SF	10.8%
2. SOIL TYPE			
BLUEGRASS-MAURY SILT LOAMS, 2 TO 6 PERCENT SLOPES			
MAURY-BLUEGRASS SILT LOAMS, 6 TO 12 PERCENT SLOPES			
3. EXISTING TREES TO BE REMOVED	2,000	SF	
4. PROPOSED TREES TO BE ADDED			
16 LARGE TREES @ 750SF	12,000	SF	
5. SITE AREA	65,035	SF	
TREE COVERAGE REQUIRED	19,511	SF	30.0%
TREE COVERAGE PROPOSED	20,250	SF	31.1%

6. ALL REQUIRED TREES SHALL CONFORM WITH THE LFUCG PLANTING MANUAL.
7. ALL TREES SHALL BE PLANTED A MINIMUM OF 10' FROM BUILDINGS. PRIOR TO PLANTING TREES. CALL 811 BEFORE YOUR DIG.

NOTES:
1. THIS DEVELOPMENT PLAN SHALL NOT BE USED AS THE BASIS FOR SALE OF THIS PROPERTY. ANY SALE SHALL BE BASED UPON AN APPROVED SUBDIVISION PLAN.
2. ACCESS SHALL BE LIMITED AS SHOWN ON THIS PLAN.
3. THIS DEVELOPMENT PLAN MAY BE AMENDED WITH THE APPROVAL OF THE PLANNING COMMISSION AS SET FORTH IN THE ZONING ORDINANCE.
4. NO GRADING, STRIPPING, EXCAVATION, FILLING OR OTHER DISTURBANCE OF THE NATURAL GROUND COVER SHALL TAKE PLACE PRIOR TO APPROVAL OF AN EROSION CONTROL PLAN. SUCH PLAN MUST BE SUBMITTED IN ACCORDANCE WITH CHAPTER 16 OF THE CODE OF ORDINANCES.
5. ACCESS DETAILS SHALL BE APPROVED BY THE DIVISION OF TRAFFIC ENGINEERING.
6. STORMWATER MANAGEMENT, SANITARY SEWERS AND PUBLIC STREET IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LFUCG ENGINEERING MANUALS.
7. SCREENING AND LANDSCAPING SHALL BE AS REQUIRED BY ARTICLE 18 OF THE ZONING ORDINANCE AND ARTICLE 6-10 OF THE LAND SUBDIVISION REQUIREMENTS.
8. IF ANY PART OF THIS PLAN SHALL BE JUDGED INVALID, SUCH JUDGEMENT SHALL NOT INVALIDATE THE REMAINDER OF THE PLAN.
9. THE LOCATION OF ANY FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS, FIRE SERVICE FEATURES, IF REQUIRED, SHALL BE APPROVED BY THE DIVISION OF FIRE-WATER CONTROL OFFICE.
10. THIS PROPERTY IS OF RECORD PER RECORD PLAT CABINET 'R', SLIDE 842.
11. ON APRIL 25, 2019 THE PLANNING COMMISSION APPROVED A WAIVER TO ARTICLE 6-4(c) OF THE LAND SUBDIVISION REGULATIONS, WAIVING THE REQUIRED STREET FRONTAGE IN THE R-1T ZONE. IN ADDITION, THE PLANNING COMMISSION MADE A FINDING UNDER ARTICLE 6-8(m) OF THE LAND SUBDIVISION REGULATIONS TO ALLOW LOTS TO HAVE THEIR SOLE ACCESS PROVIDED VIA AN ACCESS EASEMENT.
12. CONFLICTS BETWEEN PROPOSED BUILDINGS AND EXISTING STORM AND SANITARY SEWER EASEMENTS SHALL BE RESOLVED PRIOR TO ISSUANCE OF BUILDING PERMITS FOR AFFECTED STRUCTURES.
13. UPON RECORDING OF A FINAL RECORD PLAT BUILDING ADDITIONS MAY BE MADE TO THE TOWNHOUSE UNITS WITHOUT FURTHER AMENDMENT TO THE FINAL DEVELOPMENT PLAN, AS LONG AS THEY ARE OTHERWISE IN CONFORMANCE WITH THE ZONING ORDINANCE.
14. A VARIATION OF 3' OFFSET FOR EVERY THREE TOWNHOUSES WITHIN A BUILDING IS REQUIRED PER ARTICLE 8-10(a)(3) OF THE ZONING ORDINANCE
15. THERE SHALL BE NO PARKING PERMITTED ON ACCESS EASEMENTS.
16. STORMWATER MANAGEMENT IS PROVIDED ONSITE AND OFFSITE ON 3470 TODDS ROAD AND 617 FOREST HILL DRIVE
17. ACCESS TO COUNTRY CLUB DRIVE IS PERMITTED IN ACCORDANCE WITH THE ACCESS EASEMENT AGREEMENT WITH THE ANDOVER CLUB VILLAS OWNER'S ASSOCIATION, INC.
18. OFFSITE SANITARY SEWER AND STORMWATER MANAGEMENT IMPROVEMENTS LOCATED ON 617 FOREST HILL DRIVE ARE PERMITTED PER AGREEMENT WITH THE VILLAS AT ANDOVER HOMEOWNERS ASSOCIATION, INC.

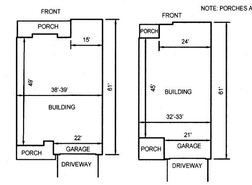
ACCESS EASEMENT RESPONSIBILITIES OF OWNERS -
THE OWNERS OF THIS PROPERTY AND ANY SUCCESSORS IN TITLE HEREBY AGREE TO ASSUME FULL LIABILITY AND RESPONSIBILITY FOR ANY CONSTRUCTION, MAINTENANCE, RECONSTRUCTION, SNOW REMOVAL, CLEANING OR OTHER NEEDS RELATED TO THE ACCESS EASEMENT SO DESIGNATED ON THIS PLAN, AND DO HEREBY FULLY RELIEVE THE URBAN COUNTY GOVERNMENT FROM ANY SUCH RESPONSIBILITY. THE OWNERS OF THIS PROPERTY HEREBY AGREE TO GRANT FULL RIGHTS OF ACCESS TO THIS PROPERTY OVER THE ACCESS EASEMENT, AND OVER UTILITY AND OTHER EASEMENTS FOR GOVERNMENTAL AND UTILITY AGENCIES TO PERFORM THEIR NORMAL RESPONSIBILITIES. THE OWNERS UNDERSTAND THAT THE ACCESS EASEMENT WILL NOT RESULT IN ANY REDUCTION IN TAXES REQUIRED BY AND PAYABLE TO THE URBAN COUNTY GOVERNMENT. FURTHERMORE, IF THE OWNERS IN THE FUTURE SHOULD REQUEST THAT THE ACCESS EASEMENT BE CHANGED TO A PUBLIC STREET, THE OWNERS DO FULLY AGREE THAT, BEFORE ACCEPTANCE OF SUCH ACCESS EASEMENT BY THE URBAN COUNTY GOVERNMENT, THE OWNERS WILL BEAR THE FULL EXPENSE OF RECONSTRUCTION OR ANY OTHER ACTION NECESSARY TO MAKE THE ACCESS EASEMENT FULLY CONFORM TO THE REQUIREMENTS APPLICABLE AT THE TIME FOR PUBLIC STREETS PRIOR TO DEDICATION AND ACCEPTANCE. FINALLY, IF AT SOME FUTURE DATE THE URBAN COUNTY GOVERNMENT SO REQUESTS, THE OWNERS ALSO AGREE THAT THE ACCESS EASEMENT SHALL BE DEDICATED TO PUBLIC USE WITHOUT COMPENSATION TO THE OWNERS AND WITHOUT THE OWNERS' EXPENSE IN MAKING SUCH ACCESS EASEMENT CONFORM TO THE REQUIREMENTS APPLICABLE AT THAT TIME FOR PUBLIC STREETS.

Anderson Acquisitions, LLC, member
OWNER'S SIGNATURE — 4/28/2020 DATE



TYPICAL PARCEL 1 TOWNHOUSE UNITS

NOTE: PORCHES ARE COVERED

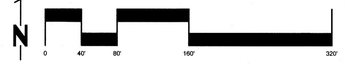


TYPICAL PARCEL 3 TOWNHOUSE UNITS

SITE STATISTICS:

SITE AREA	18.297	AC	
ZONING			
R-1T	15.605	AC	
B-1	2.692	AC	
TOTAL UNITS	92	UNITS	
DENSITY	5.9	DU/AC (R-1T AREA ONLY)	
PARCEL 1			
SITE AREA	4.886	AC	
ZONE	R-1T		
UNITS/LOTS	18		
TYPICAL LOT SIZE	75' X 60'		
PARKING			
REQUIRED	18	SPACES	
PROVIDED	50	SPACES	
VUA	56,746	SF	
INTERIOR LANDSCAPE AREA			
REQUIRED	2,837	SF	5 %
PROVIDED	3,675	SF	6.4 %
BUILDING HEIGHT	30	FEET	2 STORY
FAR	51,400	SF	24
COVERAGE	51,900	SF	24 %
OPEN SPACE (TYPICAL UNIT)			
REQUIRED	450	SF	10 %
PROVIDED	450	SF	10 %
PARCEL 2			
SITE AREA	2.69	AC	
ZONE	B-1		
USE	SEATS	AREA	PARKING REQUIRED
COMMERCIAL		11,225 SF	24 SPACES
RESTAURANT	268	7,500 SF	67 SPACES
TOTAL		18,725 SF	91 SPACES
PARKING			
REQUIRED	91	SPACES	
PROVIDED	127	SPACES	
VUA	64,994	SF	
INTERIOR LANDSCAPE AREA			
REQUIRED	3,250	SF	5 %
PROVIDED	5,384	SF	8.2 %
BUILDING HEIGHT	35	FEET	3 STORY
FAR	18,725	SF	.16
COVERAGE	10,662	SF	9 %
PARCEL 3			
SITE AREA	9.228	AC	
ZONE	R-1T		
UNITS/LOTS	74		
TYPICAL LOT SIZE	32' X 95'		
PARKING			
REQUIRED	74	SPACES	
PROVIDED	181	SPACES	
VUA	76,616	SF	
INTERIOR LANDSCAPE AREA			
REQUIRED	3,831	SF	5 %
PROVIDED	4,732	SF	6.1 %
BUILDING HEIGHT	35	FEET	3 STORY
OPEN SPACE (TYPICAL UNIT)			
REQUIRED	304	SF	10 %
PROVIDED	304	SF	10 %
FAR	281,800	SF	7
COVERAGE	162,200	SF	40 %
PARCEL 4			
SITE AREA	1.493	AC	
ZONE	R-1T		
USE	HOA/OPEN SPACE		

SCALE: 1" = 80'-0"



Date: November 25, 2019

Revised:
1-13-2020 PER SUB COMM
2-19-2020 PER PLAN COMM
4-14-2020 PER ENGINEERING
4-22-2020 PER USPS

FINAL DEVELOPMENT PLAN AND PRELIMINARY SUBDIVISION PLAN

LOCHMERE, TRACT 4-B (STONECASE VALLEY) (ANDOVER CLUB)

3450 & 3550 Todds Road
Lexington, Kentucky

DP

PLN-MJDP-19-00081

Barrett Partners, Inc.
PLANNING AND LANDSCAPE ARCHITECTURE
209 EAST HIGH STREET - SUITE 201 - LEXINGTON, KY 40507
859.381.9697
www.barrettpartnersinc.com

Creative Design for Public and Private Spaces

GENERAL CONDITIONS

PRIOR TO THE MOBILIZATION OF EQUIPMENT, A PRECONSTRUCTION/PRE-EROSION CONTROL CONFERENCE SHALL BE HELD ON SITE ATTENDED BY THE CONTRACTOR, THE ENGINEER, THE OWNER AND THE LFUCG.

WITHIN 10 DAYS FOLLOWING THE PRECONSTRUCTION CONFERENCE, A PROJECT SCHEDULE SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER.

PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL ERECT A PROJECT SIGN INDICATING THE CONTRACTOR, THE ENGINEER AND THE OWNER. THE SIGN FORMAT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ERECTION.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES.

DURING THE PROGRESS OF THE WORK, THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS, RUBBISH AND OTHER DEBRIS RESULTING FROM THE WORK.

AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL, RUBBISH AND DEBRIS FROM AND ABOUT THE PREMISES AS WELL AS ALL TOOLS, APPLIANCES, CONSTRUCTION EQUIPMENT AND MACHINERY AND SURPLUS MATERIALS, AND SHALL LEAVE THE SITE CLEAN AND READY FOR OCCUPANCY BY THE OWNER.

THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN, IN A SANITARY CONDITION, SANITARY FACILITIES FOR HIS EMPLOYEES AND SUBCONTRACTORS. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROPERLY DISPOSE OF THESE SANITARY FACILITIES.

SUBMITTALS

THE CONTRACTOR SHALL PROVIDE MATERIAL CERTIFICATIONS FOR ALL MATERIALS USED ON THE PROJECT INCLUDING STORM SEWERS, SANITARY SEWERS, PRECAST STRUCTURES, DENSE GRADED AGGREGATE, BITUMINOUS PAVEMENT AND UNREINFORCED CONCRETE.

THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR MATERIALS USED ON THE PROJECT. SIX COPIES OF THE SHOP DRAWINGS SHALL BE FORWARDED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING.

STANDARDS OF CONSTRUCTION

LFUCG STANDARDS, LFUCG SUBDIVISION REGULATIONS AND KENTUCKY DEPARTMENT OF HIGHWAYS SPECIFICATIONS, ALL LATEST EDITIONS, SHALL APPLY TO THE WORK DESCRIBED WITHIN THESE PLAN DOCUMENTS UNLESS SPECIFICALLY DIRECTED BY NOTE OTHERWISE.

UTILITY LOCATIONS/BEFORE YOU DIG

THE CONTRACTOR IS ADVISED THAT UTILITY LOCATIONS SHOWN WITHIN THESE PLAN DOCUMENTS ARE APPROXIMATE AND NEED TO BE VERIFIED PRIOR TO BEGINNING WORK. THE ULTIMATE RESPONSIBILITY FOR UNDERGROUND UTILITY LOCATIONS IS THE CONTRACTOR'S.

THE CONTRACTOR IS ADVISED THAT HE SHOULD CALL 1-800-752-6007, TOLL FREE, A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

THE CONTRACTOR SHALL USE ALL POSSIBLE CARE IN EXCAVATING ON THE PROJECT TO AVOID DAMAGE TO EXISTING UTILITIES, WHETHER OR NOT THE UTILITIES ARE OR ARE NOT SHOWN ON THE PLANS. EXISTING UTILITIES AND LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND RESTORATION OF EXISTING UTILITY PROPERTY.

CONSTRUCTION LAYOUT

CONSTRUCTION STAKING TO BE PROVIDED BY THE OWNER.

TRENCH ROCK EXCAVATION

THE PAY LIMITS FOR TRENCH ROCK EXCAVATION ARE AS FOLLOWS:
TRENCH ROCK EXCAVATION SHALL BE MEASURED IN CUBIC YARDS BASED ON A TRENCH WIDTH OF 3.0 FEET FOR 4, 6 OR 8 INCH PIPE AND THE OUTSIDE DIAMETER PLUS 2 FEET FOR LARGER PIPE. THE DEPTH OF THE TRENCH ROCK SHALL BE AN AVERAGE OF 50 FOOT STATIONS AS MEASURED IN THE FIELD TO A DEPTH OF 6 INCHES BELOW THE PIPE GRADE. ADDITIONAL STONE BACKFILL IN ROCK EXCAVATIONS WILL NOT BE MEASURED FOR PAYMENT.

ROCK EXCAVATION

SHOULD ROCK REMOVAL BE PERFORMED BY BLASTING, THE CONTRACTOR SHALL PERFORM ALL OPERATIONS IN STRICT CONFORMANCE WITH ALL APPLICABLE LAWS.

CLEARING, GRUBBING AND REMOVAL

PRIOR TO COMMENCEMENT OF CLEARING, GRUBBING AND REMOVALS, ANY AREAS DESIGNATED ON THE PLANS AS "TREE PRESERVATION AREAS" OR "DO NOT DISTURB AREAS" SHALL BE DESIGNATED WITH ORANGE SAFETY FENCE OR SECURITY TAPE AS DIRECTED BY THE ENGINEER.

THE ENTIRE AREA WITHIN THE CONSTRUCTION LIMITS SHALL BE CLEARED OF ALL WEEDS, BRUSH, BRIERS, TREES, STUMPS, AND OTHER PROTRUDING OBSTRUCTIONS NOT DESIGNATED TO REMAIN, EXCEPT WITHIN AREAS THE ENGINEER MAY DESIGNATE TO REMAIN UNDISTURBED.

ALL BUSHES, TREES, ROOTS AND STUMPS WITHIN THE CONSTRUCTION LIMITS SHALL BE GRUBBED, EXCEPT UNDISTURBED STUMPS, ROOTS AND NONFERISHABLE SOLID OBJECTS WHICH WILL BE A MINIMUM OF THREE FEET BELOW THE SUBGRADE OR EMBANKMENT FOUNDATION.

ALL TOPSOIL AND/OR UNSUITABLE MATERIAL SHALL BE STRIPPED AND STOCKPILED DURING THE CLEARING AND GRUBBING OPERATIONS.

ALL MATERIALS RESULTING FROM THE CLEARING AND GRUBBING OPERATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR AT THE DIRECTION OF THE OWNER/DEVELOPER. THE MATERIAL SHALL NOT BE BURIED ON SITE WITHIN LOTS, RIGHT-OF-WAYS, OR DESIGNATED GREENWAYS. BURNING PITS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER AND APPROVED BY THE FIRE MARSHALL.

GEOTECHNICAL NOTES

ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE REMOVED WITHIN THE LIMITS OF ANY PROPOSED CONSTRUCTION ACTIVITIES. PROOF ROLL THE EXPOSED SURFACE OF ANY ANTICIPATED FILL AREA AND OR PAVEMENT AREA TO DETERMINE IF ANY UNSTABLE SOIL CONDITIONS EXIST.

EQUIPMENT USED FOR PROOF ROLLING SHALL BE A LOADED PNEUMATIC TIRED VEHICLE SUCH AS A DUAL AXLE DUMP TRUCK WITH A GROSS WEIGHT OF 16 TO 20 TONS.

IF ANY UNSTABLE AREAS ARE EXPOSED BY PROOF ROLLING, THOSE AREAS SHALL BE UNDERCUT AND REPLACED WITH PROPERLY COMPACTED MATERIAL.

SOILS PLACED AS FILL OR BACKFILL WITHIN THE PROPOSED SITE SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN -4 TO +2 PERCENT OF OPTIMUM.

A SHEEPSFOOT ROLLER SHALL BE USED TO COMPACT COHESIVE FILL MATERIAL AND A SMOOTH DRUM VIBRATORY ROLLER USED FOR GRANULAR SOILS. A HAND WHACKER OR VIBRATORY PLATE SHALL BE USED TO COMPACT BACKFILL WITHIN SEWER AND UTILITY TRENCHES.

SHOT ROCK OR MECHANICALLY EXCAVATED ROCK MAY BE USED FOR FILL MATERIAL AS LONG AS THE LARGEST DIMENSION IN ANY DIRECTION OF THE ROCK FRAGMENT DOES NOT EXCEED 6 INCHES. LIFT THICKNESSES SHALL NOT EXCEED 12 INCHES.

EVALUATION OF ROCK FILL PLACEMENT AND THE INTEGRITY OF THE ROCK FILL SHALL BE DETERMINED BY VISUAL INSPECTION OF THE PLACEMENT PROCEDURES BY A QUALIFIED TECHNICIAN WORKING UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER.

THE USE OF A SOIL/SHOT ROCK MIXTURE WITH MORE THAN 20 PERCENT SOIL FOR FILL CONSTRUCTION SHALL BE LIMITED TO NONSTRUCTURAL AREAS OF THE SITE.

SOIL USED FOR STRUCTURAL FILL SHALL BE PLACED IN LAYERS NO GREATER THAN 10 INCHES IN LOOSE THICKNESS AND COMPACTED TO THE LIMITS PREVIOUSLY MENTIONED.

IN AREAS WHERE THE DENSITY IS ACHIEVED THROUGH THE USE OF HAND OPERATED EQUIPMENT, LOOSE LIFT THICKNESS SHALL NOT EXCEED 5 INCHES.

TESTS FOR THE DEGREE OF COMPACTION FOR SOIL SHALL BE MADE ON EACH LAYER BEFORE PLACEMENT OF THE NEXT LAYER.

ALL TESTING OF EMBANKMENT OR BACKFILL SHALL BE PROVIDED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GEOTECHNICAL FIRM TO INSURE THAT ALL EMBANKMENT OR BACKFILL IS TESTED AND MEETS THE REQUIREMENTS OF THESE STANDARDS AND SPECIFICATIONS.

EXCAVATION

EXCAVATION SHALL INCLUDE THE REMOVAL AND DISPOSAL OF MISCELLANEOUS STRUCTURES REMOVED FROM WITHIN THE CONSTRUCTION LIMITS SUCH AS, BUT NOT LIMITED TO, ALL TYPES OF PAVEMENT AND PAVEMENT BASES, WHETHER RIGID OR FLEXIBLE, SIDEWALK, CURBS AND GUTTERS, CONDUITS THAT HAVE NO SALVAGE VALUE, SUCH AS DRAINAGE PIPES, SANITARY SEWER PIPE, WATERLINES, AND OTHER UNSERVICEABLE UTILITY LINES.
THE PLANS MAY, OR MAY NOT, INDICATE THE EXACT LOCATIONS OF THE VARIOUS TYPES AND QUANTITIES OF THESE MISCELLANEOUS ITEMS TO BE REMOVED AND DISPOSED OF. HOWEVER, IT IS THE INTENT OF THESE SPECIFICATIONS THAT THE REMOVAL OF ANY SUCH ITEMS THAT FALL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CONSIDERED UNCLASSIFIED.

EXCEPT AS OTHERWISE SPECIFICALLY STATED, EXCAVATION SHALL INCLUDE INLET AND OUTLET DITCHES, REGARDLESS OF THE CLASSIFICATION OF THE MATERIAL ENCOUNTERED.

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL EXCAVATION SHALL BE UNCLASSIFIED. IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH OR ANY OTHER MATERIAL ON THE PLANS OR CROSS SECTIONS, WHETHER IN NUMBERS, WORDS, LETTERS, OR LINES IS SOLELY FOR INFORMATION AND SHALL NOT BE TAKEN AS AN INDICATION OF CLASSIFIED EXCAVATION OR THE QUANTITY OF ROCK, EARTH OR OTHER MATERIAL INVOLVED.

THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE CONDITIONS TO BE ENCOUNTERED. THE OWNER OR THE ENGINEER DOES NOT GIVE ANY GUARANTEE AS TO THE ACCURACY OF THE DATA AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION WHEN THE MATERIALS ENCOUNTERED ARE NOT IN ACCORD WITH THE CLASSIFICATION SHOWN.

ALL SUITABLE MATERIAL REMOVED FROM THE EXCAVATION SHALL BE USED, IN SO FAR AS PRACTICAL, IN THE FORMATION OF EMBANKMENTS, SUBGRADE, SHOULDERS, BACKFILL FOR STRUCTURES, OR FOR OTHER PURPOSES SHOWN ON THE PLANS OR AS DIRECTED.

NO EXCAVATED MATERIAL SHALL BE WASTED WITHOUT PERMISSION. EXCAVATED MATERIAL IN EXCESS OF THAT REQUIRED FOR NORMAL EMBANKMENT CONSTRUCTION SHALL NOT BE WASTED WITHIN THE CONSTRUCTION LIMITS, EXCEPT WHEN SPECIFICALLY DIRECTED OR APPROVED.

SUBGRADE

THE SUBGRADE SHALL BE COMPACTED, AS NEARLY AS PRACTICAL, TO A UNIFORM DENSITY THROUGHOUT. EXCEPT WHERE OTHERWISE PROVIDED, THE COMPACTION AND MOISTURE CONTROL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF EMBANKMENT CONSTRUCTION. SHOULD THE SUBGRADE SUBSEQUENTLY LOSE IT'S DENSITY DUE TO EXPOSURE TO SEVERE WEATHER CONDITIONS, AFTER HAVING BEEN PREVIOUSLY COMPACTED TO THE REQUIRED DENSITY DURING THE CONSTRUCTION OF THE GRADE, IT SHALL BE RECOMPACTED TO THE REQUIRED DENSITY.

THE SUBGRADE SHALL BE INSPECTED AND TESTED FOR STABILITY BY PROOFROLLING WITH A LOADED TRUCK WEIGHING 31 TONS GROSS WEIGHT. THE TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER.

AREAS OF YIELDING OR UNSTABLE MATERIAL SHALL BE EXCAVATED AND BACKFILLED WITH APPROVED MATERIALS AS DIRECTED.

WHEN THE MATERIAL IN PLACE DOES NOT CONTAIN SUFFICIENT MOISTURE, OR IS TOO WET TO OBTAIN PROPER COMPACTION, THE MOISTURE CONTENT SHALL BE INCREASED OR REDUCED AS DIRECTED, AND THE MATERIAL COMPACTED. SCARIFYING OF THE SUBGRADE MAY BE REQUIRED.

PROVIDE 6" FLEXIBLE PERFORATED PIPE FOR SUBGRADE DRAINAGE 100 FEET EACH WAY FROM SAG BASINS AND 100 FEET UPHILL OF BASINS ON GRADE, AS SHOWN PER LEXINGTON-FAYETTE URBAN GOVERNMENT STANDARDS SHALL ALSO BE PROVIDED WHERE ROCK IS WITHIN 12" TO 24" OF THE SUBGRADE.

SANITARY SEWERS

UNLESS OTHERWISE NOTED, ALL PVC SANITARY SEWERS SHALL BE SDR 35 AND ALL DUCTILE IRON SANITARY SEWERS SHALL BE CLASS 350.

UNLESS OTHERWISE NOTED, ALL SANITARY SEWER LATERALS SHALL BE 6". ALL LATERALS CROSSING PROPERTY LINES SHALL BE CONSTRUCTED WITH A TWO-WAY CLEAN-OUT AS DESIGNATED ON THE PLANS. ALL LATERALS FROM THE MAIN TO THE PROPERTY LINE OR EASEMENT SHALL BE THE SAME MATERIAL AS THE MAIN.

ALL SANITARY SEWER LATERALS SHALL BE CONSTRUCTED A MINIMUM OF 5' FROM THE MAIN SEWER LINE AND CONSTRUCTED TO WITHIN 6' OF THE FINISHED GRADE.

ALL SANITARY LATERALS SHALL BE LOCATED WITH A 6' LENGTH OF NO. 5 REBAR AT THE END OF THE LATERAL.

ALL BURIED DUCTILE IRON PIPE SHALL HAVE MANUFACTURER'S OUTSIDE COAL TAR OR ASPHALTIC BASE COATING AND SHALL BE COATED WITH PROTECTO 401 CERAMIC EPOXY IN ACCORDANCE WITH THE LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT SANITARY SEWER SPECIFICATIONS.

ALL SANITARY AND STORM SEWER MANHOLES SHALL BE MARKED WITH A SAFETY FENCE IN A "V" SHAPE.

ALL TAPS INTO MANHOLES MUST BE FACTORY INSTALLED WITH (A-LOCK OR EQUAL) WATER STOPS. NO MORE THAN 3 TAPS SHALL BE ALLOWED PER MANHOLE. NO MORE THAN A 2 FOOT DROP SHALL BE ALLOWED FROM TAP TO THE INVERT.

ALL PVC SANITARY SEWERS SHALL BE SUBJECTED TO A LOW PRESSURE AIR TEST AND MANDREL INSPECTION. THE MANDREL INSPECTION SHALL BE PERFORMED NO SOONER THAN 30 DAYS FOLLOWING THE COMPLETION OF ALL GRADING OPERATIONS OR USE OF HEAVY EQUIPMENT ON, OR ADJACENT TO THE SEWER, WHICH MAY CAUSE DAMAGE TO THE SEWER. THE TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER.

ALL SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED. THE TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER.

ALL REINFORCED CONCRETE SANITARY SEWERS SHALL BE SUBJECTED TO AN INFILTRATION OR EXFILTRATION TEST. THE TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER.

ALL SANITARY SEWERS SHALL BE TV INSPECTED NO SOONER THAN 30 DAYS FOLLOWING THE COMPLETION OF ALL GRADING OPERATIONS OR USE OF HEAVY EQUIPMENT ON, OR ADJACENT TO THE SEWER, WHICH MAY CAUSE DAMAGE TO THE SEWER. PRIOR TO THE TV INSPECTION ALL SEWERS SHALL BE JET FLUSHED. A SUITABLE AMOUNT OF WATER SHALL BE PUT INTO THE SYSTEM SUCH THAT ALL SAGS SHALL BE NOTICEABLE DURING THE INSPECTION.

THE OWNER SHALL BE RESPONSIBLE FOR THE INITIAL TV INSPECTION OF THE GRAVITY SEWERS. ALL JET FLUSHING, REINSPECTION AND CLEANING OF THE GRAVITY SEWERS DUE TO REPAIRS SHALL BE PAID FOR BY THE CONTRACTOR.

THE HYDROSTATIC TESTING OF SANITARY FORCE MAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY THE LFUCG AND THE ENGINEER 72 HOURS PRIOR TO ANY TESTING AND TYING INTO ANY EXISTING SEWER.

SITE GRADING NOTES:

ALL SPOT ELEVATIONS INDICATE FINISH GRADE OF SURFACE. ADJUSTMENTS MUST BE MADE TO ESTABLISH GRADES OF SUB-BASE OR SUBGRADE.

CONTRACTOR SHALL, BEFORE STARTING SITE EXCAVATION, STRIP ALL TOPSOIL FROM PORTIONS OF THE SITE TO BE DEVELOPED AND STORE IN A LOCATION THAT WILL NOT INTERFERE WITH SITE DEVELOPMENT OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR REDISTRIBUTING TOPSOIL IN FINISH GRADE AREAS, BACKFILLING CURBS, SIDEWALKS, ETC.

SHOULD CONTRACTOR ENCOUNTER ROCK EXCAVATION, THE ROCK SHALL BE REMOVED TO A MINIMUM DEPTH OF 12 INCHES BELOW SUBGRADE. REFILL SHALL BE IN ACCORDANCE WITH GEOTECHNICAL NOTES.

THE OVERLOT RE-GRADE LINES SHOWN HEREON ARE FOR DETERMINING DRAINAGE LIMITS AND EARTHWORK QUANTITIES AND ARE SUJECT TO REVISION DURING CONSTRUCTION. GENERAL DRAINAGE PATTERNS WILL BE MAINTAINED. SPECIFIC OVERLOT GRADES MAY VARY.

STORM SEWERS

STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE OR SMOOTH WALLED CORRUGATED PLASTIC PIPE (UP TO 36" DIAMETER).

ALL PUBLIC STORM SEWERS SHALL BE VIDEO INSPECTED NO SOONER THAN 30 DAYS FOLLOWING COMPLETION OF ALL GRADING OPERATIONS OR USE OF HEAVY EQUIPMENT ON, OR ADJACENT TO THE SEWER, PRIOR TO THE TV INSPECTION THE STORM SEWER SHALL BE JET FLUSHED.

THE CONTRACTOR SHALL NOTIFY THE LFUCG AND THE ENGINEER 72 HOURS PRIOR TO ANY TESTING.

UTILITY OWNERS:

MR. ERIC STIGALL
KENTUCKY-AMERICAN WATER COMPANY
2300 RICHMOND ROAD
LEXINGTON, KENTUCKY 40502
PHONE: 859-268-6359

MR. TOM WALKER
CONSTRUCTION SUPERVISOR
COLUMBIA GAS OF KENTUCKY
2001 MERCER ROAD
LEXINGTON, KENTUCKY 40512-4241
PHONE: 859-288-0736

MR. RICHARD COMPTON
HEAD OF ENGINEERING
KENTUCKY UTILITIES
500 STONE ROAD
LEXINGTON, KENTUCKY 40503
PHONE: 859-367-4309

MR. MARTIN MILTON
MAINTENANCE SUPERVISOR
SPECTRUM
2544 PALUMBO DRIVE
LEXINGTON, KENTUCKY 40509
PHONE: 859-514-1439

MS. LEILIE ALLISON
ENGINEERING AND CONSTRUCTION MANAGER
WINDSTREAM
130 WEST NEW CIRCLE ROAD
SUITE 170
LEXINGTON, KENTUCKY 40505
PHONE: 357-6205

MR. JUD SMITH
METRONET
601 BIZZEL DRIVE
LEXINGTON, KY 40510
PHONE: 859-785-0767

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3111 WALL STREET
LEXINGTON, KENTUCKY 40513
PHONE (859) 296-2889
FACSIMILE (859) 296-2887

GENERAL NOTES

ANDOVER CLUB
2450 & 3550 TODDS ROAD
LEXINGTON, FAYETTE COUNTY, KENTUCKY

DRAWN TWH
DATE 06/13/23
CHECKED
REVISED

SHEET
2

CONSTRUCT TURN LANE
(SEE DETAIL SHEET 4D)

TODDS ROAD

KAVANAUGH LANE

EXISTING 42" RCP

20" DI WATERLINE
(DO NOT DISTURB)

EX. 18" STORM SEWER

EX. 15" STORM SEWER

EX. 15" CPP

EX. 18" STORM SEWER

20' BLK KAUC ESMT.

CHAMPION WAY

EXISTING SANITARY SEWER

WILLIAMS PROPERTY
P.C. "R", SL. 418
R-1D ZONE

EXISTING ASPHALT, CURB AND GUTTER (TO BE REMOVED)

BARRICADE (NO ACCESS)

EXISTING POOL AND POOLHOUSE (TO BE REMOVED)

EXISTING TENNIS COURTS (TO BE REMOVED)

EX. F.H.

CLUBHOUSE
(DO NOT DISTURB)

EXISTING ASPHALT, CURB AND GUTTER (TO BE REMOVED)

EXISTING 42" RCP

COLUMBIA GAS ESMT.

EX. HDWL
F/L 1004.17

EXISTING SANITARY SEWER

EXISTING PATH
(TO BE RELOCATED)

EXISTING POND

EX. HDWL
F/L 998.16
(TO BE REMOVED)

EX. BRIDGE TO BE REMOVED. THE EXISTING DAM ADJACENT TO THE BRIDGE SHALL BE RECONSTRUCTED TO COMPETENT MATERIAL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

EXISTING 24" CPP
(TO BE REMOVED)

EXISTING PATH
(DO NOT DISTURB)

20' DI WATERLINE
(DO NOT DISTURB)

617 FOREST HILL DRIVE
VILLAS AT ANDOVER
HOMEOWNERS ASSOC. INC

LOCHMERE UNIT 4
SECTION 1
P.C. "I", SL. 145

ANDOVER VILLAGE PLACE

WILLIAMS PROPERTY
R-1D ZONE
P.C. "K", SL. 606

STONE CASE VALLEY
UNIT 1
R-1D ZONE
P.C. "I", SL. 19

EXISTING 24" RCP

EXISTING RCP

EXISTING 24" RCP

EXISTING 24" RCP

EXISTING SANITARY SEWER

EXISTING 36" RCP

EXISTING SANITARY SEWER

EX. HDWL
F/L 1004.13
T.G. 1010.0

EX. SAN. MH
T.R. 1014.60
F/L 1008.50

EXISTING SANITARY SEWER

EXISTING STORM SEWER

EXISTING SANITARY SEWER

CHESTNUT HILL LANE

613 FOREST HILL DRIVE
ANDOVER COMMON
PROPERTY NFP, INC.

NOTES:
ALL EXISTING PAVEMENT, SIDEWALK, CONCRETE CURB, WHEEL STOPS, FENCING TO BE INCORPORATED INTO THE EARTHWORK OPERATIONS, AS DIRECTED BY THE GEOTECHNICAL ENGINEER, OR REMOVED FROM SITE.

ALL MATERIALS FROM DEMOLITION TO BE DISPOSED OF BY THE CONTRACTOR AT APPROVED LANDFILL.

CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO REMOVING OR DISCONNECTING SERVICE LINES.

* COORDINATE WITH KENTUCKY AMERICAN WATER COMPANY AND SPRINKLER CONTRACTOR FOR DISCONNECTION/RELOCATION OF FIRE SERVICE.

50 25 0 50
APPROXIMATE SCALE IN FEET

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3111 WALL STREET
LEXINGTON, KENTUCKY 40513
PHONE (859) 296-8889
FACSIMILE (859) 259-9897

DEMOLITION PLAN

ANDOVER CLUB

CLUBHOUSE

LEXINGTON, FAYETTE COUNTY, KENTUCKY

DRAWN	TWH
DATE	06/13/23
CHECKED	
REVISED	

SHEET
3A

BMP SEQUENCING
INSTALL SILT FENCE AND OR TREE PROTECTION FENCE, CONSTRUCTION ENTRANCE AND SILT CHECKS.

BEGIN DEMOLITION, CLEARING AND GRUBBING OPERATIONS. STOCKPILE TOPSOIL OUTSIDE DISTURBED AREA.

PERFORM GRADING OPERATIONS

CONSTRUCT STORM SEWERS AND SANITARY SEWERS. INSTALL STONE SILT CHECK AT THE STORM SEWER OUTLET UPON COMPLETION OF DOWNSTREAM SEGMENT.

INSTALL CATCH BASIN INLET PROTECTION AND CHANNEL LINING AT THE STORM SEWER AND CULVERT OUTLETS. RECONSTRUCT STONE SILT CHECKS AS NECESSARY.

INSTALL PHASE II SILT FENCE AT THE BACK OF THE CURB.

SEED AND PROTECT ALL DISTURBED AREAS.

NOTES:
PROVIDE 4" FLEXIBLE PERFORATED PIPE FOR SUBGRADE DRAINAGE 100 FEET EACH WAY FROM SAG BASINS AND 100 FEET UPHILL OF BASINS ON GRADE, AS SHOWN PER LEXINGTON-FAYETTE URBAN GOVERNMENT STANDARD DRAWING 230-1.

PHASE II SILT FENCE TO BE INSTALLED BEHIND THE CURB ALONG THE PUBLIC STREETS FOLLOWING COMPLETION OF THE PAVING OPERATIONS.

ALL SEEDING AND EROSION CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 11 OF THE STORM WATER MANUAL.

IF A SINKHOLE IS DISCOVERED DURING CONSTRUCTION IT SHALL BE INVESTIGATED UNDER THE DIRECTION OF THE GEOTECHNICAL ENGINEER A SINKHOLE REPORT SHALL BE SUBMITTED TO THE DIVISION OF ENGINEERING.

CONTACT LFUCG ARBORIST AND ENGINEER PRIOR TO ANY WORK WITHIN THE TREE PROTECTION AREA.

FOLLOWING CONSTRUCTION, SLOPES STEEPER THAN 5:1 LOCATED OUTSIDE THE HOUSE CONSTRUCTION FOOTPRINT SHALL BE SEEDED AND PROTECTED WITH EROSION CONTROL BLANKET OR NETTING.

ANY ENVIRONMENTALLY SENSITIVE FEATURE DISCOVERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER WHO WILL BE RESPONSIBLE FOR NOTIFYING THE DIVISION OF ENGINEERING.

SEE SHEET 10 FOR BMP NOTES AND SCHEDULING, SEE SHEET 11 FOR BMP DETAILS.

KAVANAUGH LANE
TODDS ROAD
EXISTING GOLF CART UNDERPASS (DO NOT DISTURB)
EXISTING 42" RCP
20" DI WATERLINE (DO NOT DISTURB)
EX. 15" STORM SEWER
EX. 18" STORM SEWER
EX. 15" CPP
EX. 18" STORM SEWER
CONCRETE WASH OUT PIT
CONSTRUCTION ENTRANCE
20" DI WATERLINE (DO NOT DISTURB)
10' BLK. K.U.C. ESMT.
EXISTING SANITARY SEWER
EXISTING 42" RCP
EXISTING SANITARY SEWER
EXISTING 42" RCP
CLUBHOUSE (DO NOT DISTURB)
EXISTING ASPHALT CURB AND GUTTER (TO BE REMOVED)
BARRICADE (NO ACCESS)
EXISTING POOL AND POOLHOUSE (TO BE REMOVED)
EXISTING ASPHALT CURB AND GUTTER (TO BE REMOVED)
WIRE REINFORCED SILT FENCE (TYP.)
COLUMBIA GAS ESMT.
EXISTING PATH (DO NOT DISTURB)
EXISTING SANITARY SEWER
EX. HDWL F/L 1004.17 (TO BE REMOVED)
EXISTING PATH (TO BE RELOCATED)
EXISTING TENNIS COURTS (TO BE REMOVED)
EXISTING POND
617 FOREST HILL DRIVE VILLAS AT ANDOVER HOMEOWNERS ASSOC. INC
WILLIAMS PROPERTY R-1D ZONE P.C. "K", SL. 606
EXISTING 24" RCP
EX. STM. S.E
EXISTING RCP
EXISTING 24" RCP
EX. SAN. MH T.R. 1014.60 F/L 1008.50
EXISTING SANITARY SEWER
EX. SAN. S.E
EXISTING STORM SEWER
STONE CASE VALLEY UNIT I R-1D ZONE P.C. "I", SL. 19
15' U.E.
12' ACCESS ESMT.
20' STM. & SAN S.E.
12' DRNG. ESMT.
EX. HDWL F/L 998.16 (TO BE REMOVED)
EX. BRIDGE TO BE REMOVED. THE EXISTING DAM ADJACENT TO THE BRIDGE SHALL BE RECONSTRUCTED TO COMPETENT MATERIAL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
EXISTING 24" RCP
EXISTING SANITARY SEWER
EXISTING 36" RCP
EXISTING SANITARY SEWER
EXISTING SANITARY SEWER
20' STM. & SAN S.E.
CHESTNUT HILL LANE
613 FOREST HILL DRIVE ANDOVER COMMON PROPERTY NEP, INC.
LOCHMERE UNIT 4 SECTION I P.C. "I", SL. 145
EXISTING 24" CPP
STONE SILT CHECK (SEED. DET.AIL)
GEOTEXTILE FABRIC
CL. II CHANNEL LINING
1-8" PVC
FLOW
WRAP PIPE W/ GEOTEXILE FABRIC
APPROXIMATE SCALE IN FEET

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FACSIMILE (859) 296-9897

DEMOLITION & EROSION CONTROL PLAN

ANDOVER CLUB

CLUBHOUSE

LEXINGTON, FAYETTE COUNTY, KENTUCKY

DRAWN	TWH
DATE	06/13/23
CHECKED	
REVISED	

SHEET
3B

SIDEWALK RAMP GENERAL NOTES

Detectable warning tile to be Step Safe precast polymer concrete tiles manufactured by Transpo Industries.

Detectable warning tiles shall be provided in safety yellow.

The minimum surface shall be 24" as measured from the back of curb.

All sidewalk ramps shall have a maximum slope of 1:12 or 8% with a maximum cross slope of 1/4" /1t, or 2%

Detectable warning surface shall be provided with a square pattern, flush parallel alignment.

Handicap sidewalk ramps shall be constructed per Lexington-Fayette Urban County Government standards.

NOTES

1. PAVEMENT DESIGN PER LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT ROADWAY MANUAL.

2. CBR TESTS SHALL BE PERFORMED PRIOR TO FINAL GRADING AND SUBMITTED TO THE ENGINEER. PAVEMENT DESIGN SHALL BE SUBMITTED TO THE LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT FOR APPROVAL PRIOR TO CONSTRUCTION.

3. PROVIDE EDGE KEY (STD. DRAWING 31B) AT ALL TIES TO EXISTING STREETS.

4. EDGE KEY JOINT SHALL BE CRACK SEALED WITH RUBBERIZED HOT MIX.

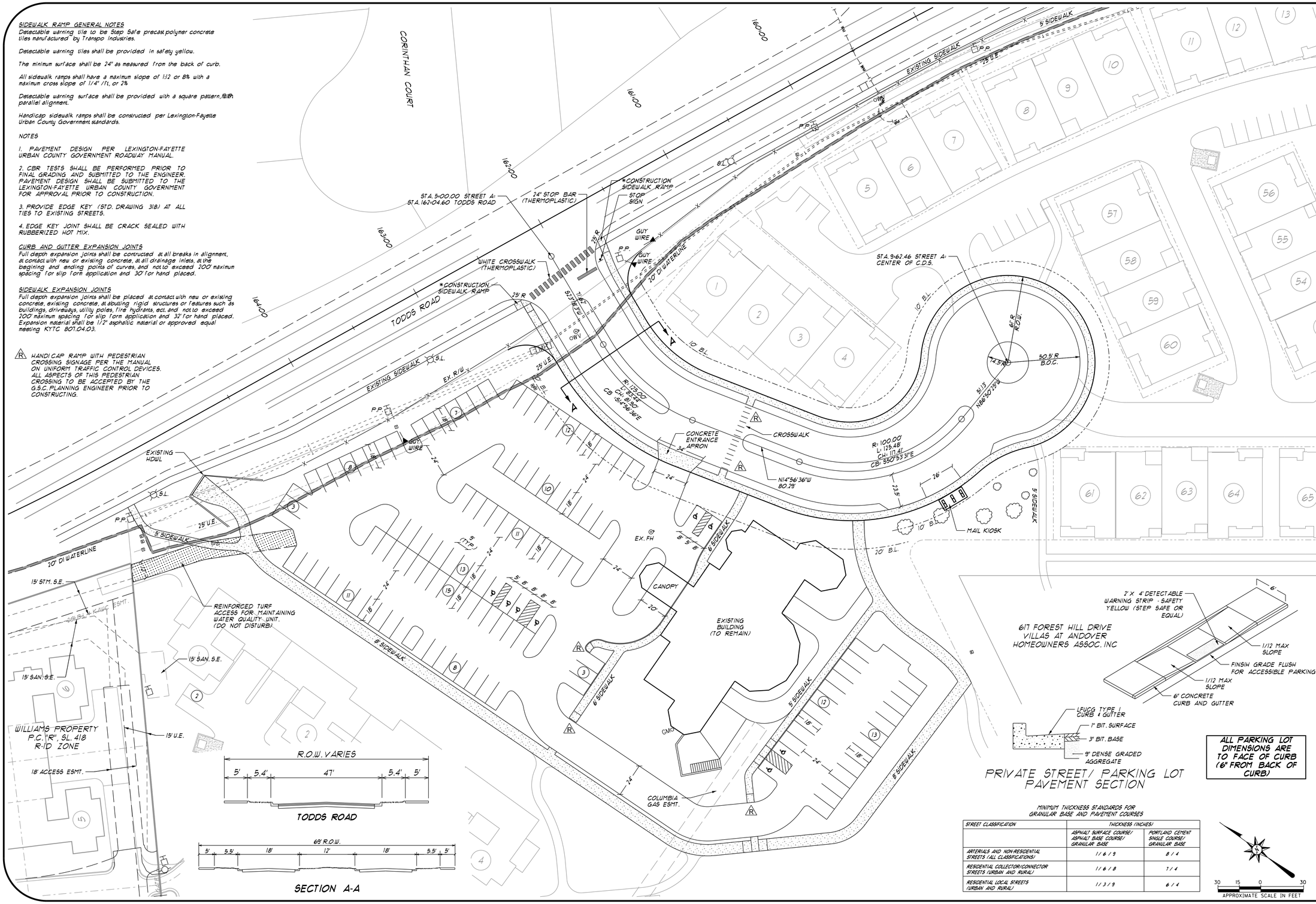
CURB AND GUTTER EXPANSION JOINTS

Full depth expansion joints shall be contructed at all breaks in alignment, at contact with new or existing concrete, at all drainage inlets, at the begining and ending points of curves, and not to exceed 200' maximum spacing for slip form application and 30' for hand placed.

SIDEWALK EXPANSION JOINTS

Full depth expansion joints shall be placed at contact with new or existing concrete, existing concrete, at abutting rigid structures or features such as buildings, driveways, utility poles, fire hydrants, ect. and not to exceed 200' maximum spacing for slip form application and 32' for hand placed. Expansion material shall be 1/2" asphaltic material or approved equal meeting KYTC 801.04.03.

(R) HANDICAP RAMP WITH PEDESTRIAN CROSSING SIGNAGE PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. ALL ASPECTS OF THIS PEDESTRIAN CROSSING TO BE ACCEPTED BY THE G.B.C. PLANNING ENGINEER PRIOR TO CONSTRUCTING.



PRIVATE STREET/ PARKING LOT PAVEMENT SECTION

ALL PARKING LOT DIMENSIONS ARE TO FACE OF CURB (6" FROM BACK OF CURB)

MINIMUM THICKNESS STANDARDS FOR GRANULAR BASE AND PAVEMENT COURSES

STREET CLASSIFICATION	THICKNESS (INCHES)	
	ASPHALT SURFACE COURSE/ ASPHALT BASE COURSE/ GRANULAR BASE	PORTLAND CEMENT SINGLE COURSE/ GRANULAR BASE
ARTERIALS AND NON-RESIDENTIAL STREETS (ALL CLASSIFICATIONS)	1/ 6 / 9	8 / 4
RESIDENTIAL COLLECTOR/CONNECTOR STREETS (URBAN AND RURAL)	1/ 6 / 8	7 / 4
RESIDENTIAL LOCAL STREETS (URBAN AND RURAL)	1/ 3 / 9	6 / 4

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SITE LAYOUT

ANDOVER CLUB

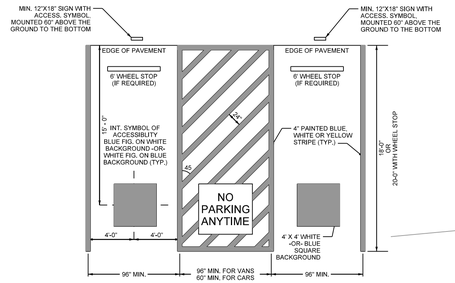
CLUBHOUSE

LEXINGTON, FAYETTE COUNTY, KENTUCKY

DRAWN	TWH
DATE	06/13/23
CHECKED	
REVISED	

SHEET

4A



STRIPING NOTES

All striping and signage shall be in accordance with the LFUCG Division of Traffic standards and guidelines for commercial and residential developments

All ADA handicap parking stalls and markings shall be light blue thermoplastic. All other parking stall lines shall be painted white.

Stop bars and stop legends shall be white thermoplastic. Stop lettering shall be a minimum of 36" in height.

Enhanced crosswalks (ecw) shall be 1 foot thick by 6 feet wide (min.). Spacing between strips is 2 feet. All crosswalks shall be made of thermoplastic materials.

Directional arrows and other miscellaneous pavement markings such as cross-hatching, medium markings, etc. shall be thermoplastic.

CORINTHAN COURT

TODDS ROAD

160.00

161.00

162.00

163.00

164.00

24" STOP BAR (THERMOPLASTIC)

STOP SIGN

WHITE CROSSWALK (THERMOPLASTIC)

CROSSWALK

10' B.L.

20' B.L. & KAWC ESMT.

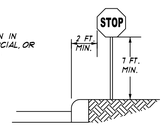
CANOPY

EXISTING BUILDING (TO REMAIN)

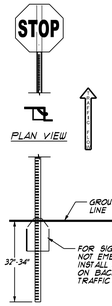
GMO

WILLIAMS PROPERTY
P.C. 'R', SL. 418
R-1D ZONE

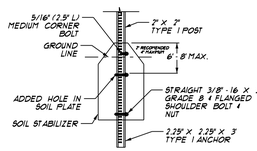
A - ROADSIDE SIGN IN BUSINESS, COMMERCIAL OR RESIDENTIAL AREA



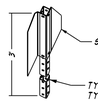
STOP SIGN POLES MUST BE INSTALLED 32" - 34" INTO THE GROUND USING TYPE I SQUARE TUBING POST WITH SOIL STABILIZER (CALL 811 PRIOR TO INSTALL)



TYPE I SQUARE TUBING POST WITH SOIL STABILIZER



SOIL STABILIZER DETAIL FOR TYPE I POST



SOIL STABILIZER DETAIL

30 15 0 30
APPROXIMATE SCALE IN FEET

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STRIPING PLAN

ANDOVER CLUB
CLUBHOUSE

LEXINGTON, FAYETTE COUNTY, KENTUCKY

DRAWN TWH
DATE 06/13/23
CHECKED
REVISED

SHEET
4B

* COORDINATE WITH KENTUCKY AMERICAN WATER COMPANY AND SPRINKLER CONTRACTOR FOR DISCONNECTION/RELOCATION OF FIRE SERVICE.

CORINTHIAN COURT

TODDS ROAD

CONSTRUCTION ENTRANCE

20' D.I. WATERLINE

CONCRETE WASH OUT PIT

EX. WQU

20' B.L. & KAWC ESMT.

EXISTING CLUBHOUSE FFE: 1024.0

(FUTURE)

D.A.:1.25 Ac. C:0.70

D.A.:0.60 Ac. C:0.70

D.A.:1.0 Ac. C:0.90

D.A.:0.15 Ac. C:0.90

D.A.:0.15 Ac. C:0.50

D.A.:0.05 Ac. C:0.50

D.A.:0.10 Ac. C:0.50

D.A.:0.80 Ac. C:0.80

D.A.:3.45 Ac. C:0.75

* EX. F.H.

WIRE REINFORCED SILT FENCE (TYP.)

APPROXIMATE SCALE IN FEET
30 15 0 30

CATCH BASIN

FLOWLINE OF GUTTER

FIVE 6" PVC SLEEVES, 4' LONG TO PREVENT PIERS PIPE FROM FALLING INTO BASIN. BASINS IN BAGS SHALL HAVE 8 PVC SLEEVES.

4" PERFORATED PVC W/ CLOTH SLEEVE AND FILLED WITH #57 STONE

CATCH BASIN INLET PROTECTION DETAIL

6" PVC SLEEVE

4" PERFORATED PIPE W/ CLOTH SLEEVE

#57 STONE

CATCH BASIN

SIDE VIEW
N.T.S.

LATH & FLAGGING ON ALL SIDES

SANDBAG

BERM

STAKES

10 MIL PLASTIC LINING

PLAN
N.T.S.
TYPE "BELOW GRADE"

SECTION A-A
N.T.S.

NOTE:
CONCRETE WASHOUT PIT TO BE CLEANED OUT WHEN PIT IS FILLED TO WITHIN 3'-1" OF TOP OF BERM ELEVATION.

CONCRETE WASHOUT PIT
N.T.S.

DROP INLET WITH GRATE

ISOMETRIC VIEW OF 2"X 4" WOOD FRAME

2"x 4"WIRE

2"x 4"FRAME

BURIED FABRIC 6" MIN.

6" MIN.

CROSS SECTION VIEW

1'-6" X 2'-0" WOVEN POLYPROPYLENE BAGS, FILLED TO 2/3 FULL WITH #57 STONE.

SURROUND INLET WITH TWO COURSES OF BAGS MINIMUM

DROP BOX INLET
PLAN VIEW

INTERMEDIATE END ENDS TO BE FILLED WITH BAGS AND TO SEAL BAGS

1' MINIMUM HEIGHT

SIDE ELEVATION

MODIFIED SILT CHECK TYPE II DETAIL
N.T.S.

6" MIN.
4:1
4:1
2' MIN.

STONE SILT CHECK

SILT CHECK
N.T.S.

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GRADING AND EROSION CONTROL PLAN

ANDOVER CLUB

CLUBHOUSE

LEXINGTON, FAYETTE COUNTY, KENTUCKY

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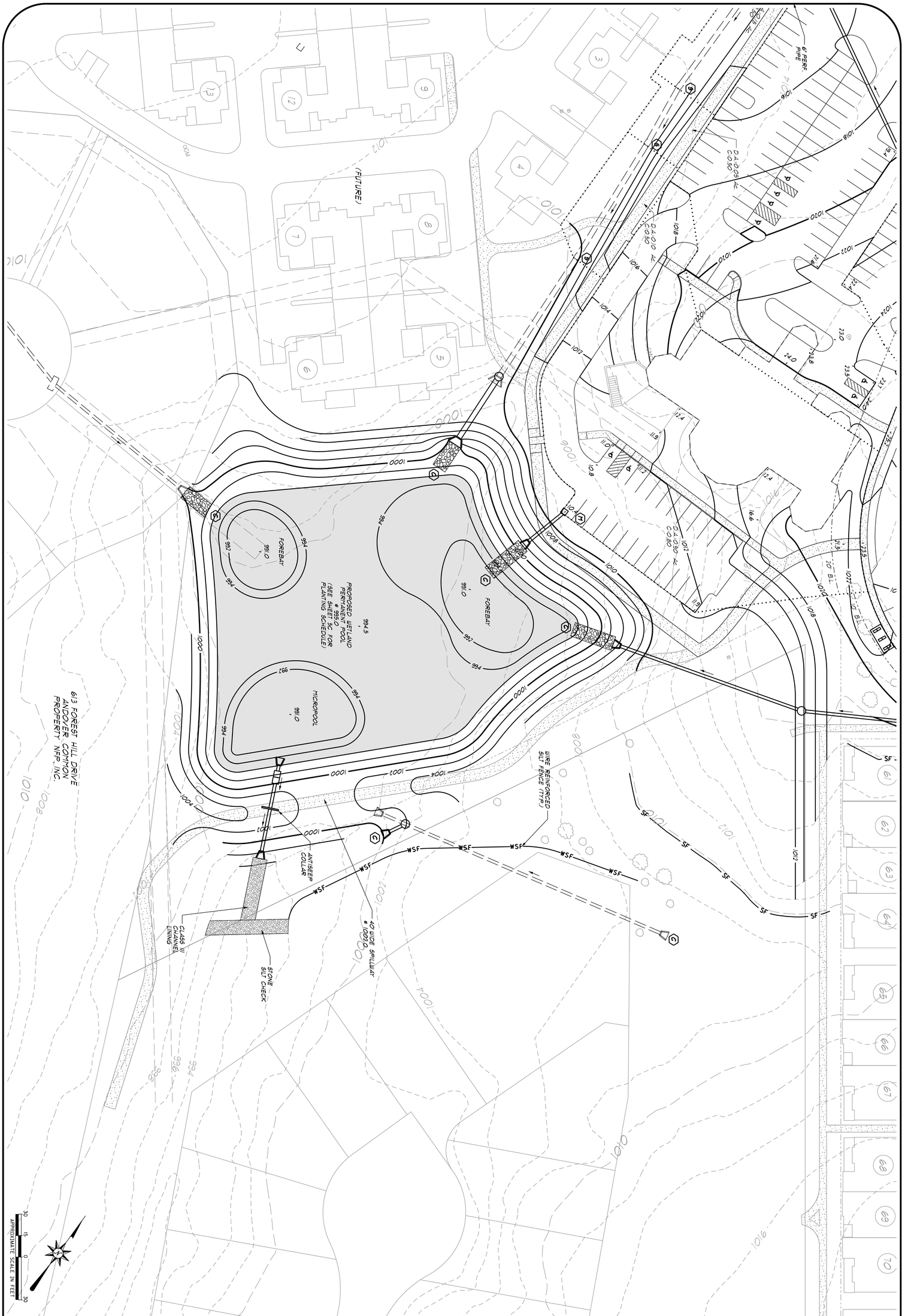

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Wetland Planting Plan

The wetland creation areas are comprised of four main habitats based on average water depth:

- Open Water – 18 to 36 inches deep
- Deep Marsh – 12 to 18 inches deep
- Shallow Marsh – 6 to 12 inches deep
- Sedge Meadow – 0 to 6 inches deep

Species lists for each habitat zone are provided below along with proposed seeding and plug planting specifications.

ZONE 1 – OPEN WATER

PLUG PLANTING LIST

COMMON NAME	SCIENTIFIC NAME
Water Shield	Brasenia schreberi
American Lotus	Nelumbo lutea
Yellow Pond Lily	Nuphar advena
Yellow Pond Lily	Nuphar lutea
American White Water Lily	Nymphaea odorata

Notes:
5-foot spacing (1,750/acre)
Plant minimum of 3 species, cf which no one species to compromise greater than 40% of total.
Equivalent native species may be substituted based on availability.

ZONE 2 - DEEP MARSH

PLUG PLANTING LIST

COMMON NAME	SCIENTIFIC NAME
American Water-plantain	*Alisma subcordatum*
Turtlehead	*Chelone glabra*
Common Spikerush	*Eleocharis palustris*
Blue Flag Iris	*Iris virginica*
Wingleaf Primrose Willow	*Ludwigia decurrens*
Marsh Seedbox	*Ludwigia palustris*
Arrow Arum	*Peltandra virginica*
Arrowhead	*Sagittaria latifolia*
Softstem Bulrush	*Schoenoplectus tabernaemontani*
Green Bulrush	*Scirpus atrovirens*
Woolgrass	*Scirpus cyperinus*
American Bur-reed	*Sparganium americanum*

Notes:
2-foot spacing (10,800/acre)
Plant minimum of 8 species, of which no one species to comprise greater than 25%.
Equivalent native species may be substituted based on availability.

DEEP MARSH WETLAND SEEDING LIST

COMMON NAME	SCIENTIFIC NAME
Swamp Milkweed	*Asclepias incarnata*
Purple Stemmed Aster	*Aster puniceus*
Beggar Ticks	*Bidens frondosa*
Marsh Marigold	*Caltha palustris*
Bailey's Sedge	*Carex baileyi*
Cosmos (Bristly) Sedge	*Carex comosa*
Fringed (Nodding) Sedge	*Carex crinita*
Hop Sedge	*Carex lupulina*
Lurid (Shallow) Sedge	*Carex lurida*
Blunt Broom Sedge	*Carex scoparia*
Awl Sedge	*Carex stipata*
Bristlebract Sedge	*Carex tribuloides*
Tuckerman's Sedge	*Carex tuckermanii*
Fox Sedge	*Carex vulpinoidea*
Turtlehead	*Chelone glabra*
Joe Pye Weed	*Eupatorium fistulosum*
Boneset	*Eupatorium perfoliatum*
Rattlesnake Grass	*Glyceria canadensis*
Blue Flag	*Iris versicolor*
Soft Rush	*Juncus effusus*
Square Stem Monkey Flower	*Mimulus ringens*
Ditch Stonecrop	*Penthorum sedoides*
Duck Potato (Arrowhead)	*Sagittaria latifolia*
Hard Stemmed Bulrush	*Scirpus acutus*
Green Bulrush	*Scirpus atrovirens*
Wool Grass	*Scirpus cyperinus*
Many Leaved Bulrush	*Scirpus polyphyllus*
Soft Stem Bulrush	*Scirpus validus*
Rough Leaved Goldenrod	*Solidago patula*
Eastern Bur Reed	*Sparangium americanum*
Giant Bur Reed	*Sparangium eurycarpum*
Blue Vervain	*Verbena hastata*

Notes:
Seed wetland mix at 40 lbs/acre
Seed minimum of 10 species on above list, of which no one species to comprise greater than 20%
Seed annual cover (oats) at 50 lbs/acre, as needed.
Equivalent native species may be substituted based on availability.

ZONE 3 - SHALLOW MARSH

PLUG PLANTING LIST

COMMON NAME	SCIENTIFIC NAME
Marsh Marigold	*Caltha palustris*
Fringed Sedge	*Carex crinita*
Frank's Sedge	*Carex frankii*
Short's Sedge	*Carex shortiana*
Fox Sedge	*Carex vulpinoidea*
Blunt Spikerush	*Eleocharis obtusa*
Common Spikerush	*Eleocharis palustris*
Halberdleaf Rosemallow	*Hibiscus laevis*
Virginia Iris	*Iris virginica*
Rice Cutgrass	*Leersia oryzoides*
Whitegrass	*Leersia virginica*
Cardinal Flower	*Lobelia cardinalis*
Curlytop Knotweed	*Polygonum lapathifolium*
Pennsylvania Smartweed	*Polygonum pensylvanicum*
Pickerelweed	*Pontederia cordata*
Broadleaf Arrowhead	*Sagittaria latifolia*
Lizard's Tail	*Saururus cernuus*
Softstem Bulrush	*Schoenoplectus tabernaemontani*
Green Bulrush	*Scirpus atrovirens*
American Burreed	*Sparganium americanum*
Giant Burreed	*Sparganium eurycarpum*

Notes:
2-foot spacing (10,800/acre)
Plant minimum of 10 species, of which no one species to compromise greater than 25%.
Plant minimum of 10 species, of which no one species to comprise greater than 25%.
Equivalent native species can be substituted based on availability.

SHALLOW MARSH WETLAND SEEDING

COMMON NAME	SCIENTIFIC NAME
Swamp Milkweed	*Asclepias incarnata*
Purple Stemmed Aster	*Aster puniceus*
Beggar Ticks	*Bidens frondosa*
Marsh Marigold	*Caltha palustris*
Bailey's Sedge	*Carex baileyi*
Cosmos (Bristly) Sedge	*Carex comosa*
Fringed (Nodding) Sedge	*Carex crinita*
Hop Sedge	*Carex lupulina*
Lurid (Shallow) Sedge	*Carex lurida*
Blunt Broom Sedge	*Carex scoparia*
Awl Sedge	*Carex stipata*
Bristlebract Sedge	*Carex tribuloides*
Tuckerman's Sedge	*Carex tuckermanii*
Fox Sedge	*Carex vulpinoidea*
Turtlehead	*Chelone glabra*
Joe Pye Weed	*Eupatorium fistulosum*
Boneset	*Eupatorium perfoliatum*
Rattlesnake Grass	*Glyceria canadensis*
Blue Flag	*Iris versicolor*
Soft Rush	*Juncus effusus*
Square Stem Monkey Flower	*Mimulus ringens*
Ditch Stonecrop	*Penthorum sedoides*
Duck Potato (Arrowhead)	*Sagittaria latifolia*
Hard Stemmed Bulrush	*Scirpus acutus*
Green Bulrush	*Scirpus atrovirens*
Wool Grass	*Scirpus cyperinus*
Many Leaved Bulrush	*Scirpus polyphyllus*
Soft Stem Bulrush	*Scirpus validus*
Rough Leaved Goldenrod	*Solidago patula*
Eastern Bur Reed	*Sparangium americanum*
Giant Bur Reed	*Sparangium eurycarpum*
Blue Vervain	*Verbena hastata*

ZONE 4 - SEDGE MEADOW

PLUG PLANTING LIST

COMMON NAME	SCIENTIFIC NAME
Redtop	*Agrostis gigantea*
Swamp Milkweed	*Asclepias incarnata*
Bearded Beggarstick	*Bidens aristosa*
Devil's Beggartick	*Bidens frondosa*
Fringed Sedge	*Carex crinita*
Frank's Sedge	*Carex frankii*
Short's Sedge	*Carex shortiana*
Fox Sedge	*Carex vulpinoidea*
Joe Pye Weed	*Eupatorium fistulosum*
Common Boneset	*Eupatorium perfoliatum*
Fowl Mannagrass	*Glyceria striata*
Fall Sneezeweed	*Helenium autumnale*
Slimpod Rush	*Juncus diffusissimus*
Soft Rush	*Juncus effusus*
Torrey's Rush	*Juncus torreyi*
Great Blue Lobelia	*Lobelia siphilitica*
Peppermint	*Mentha x piperita*
Monkey Flower	*Mimulus ringens*
Florida Paspalum	*Paspalum floridanum*
Field Paspalum	*Paspalum laeve*
Shortbristle Horned Beaksedge	*Rhynchospora corniculata*
Clustered Beaksedge	*Rhynchospora glomerata*
Canadian Burnett	*Sanguisorba canadensis*
Rough Leaved Goldenrod	*Soldago patula*
Prairie Cordgrass	*Spartina pectinata*
Swamp Vervain	*Verbena hastata*
Ironweed	*Vernonia noveboracensis*

Notes:
2-foot spacing (10,800/acre)
Seed minimum of 10 species on above list, of which no one species to comprise greater than 25%.
Equivalent native species may be substituted based on availability

SEDGE MEADOW SEEDING LIST

COMMON NAME	SCIENTIFIC NAME
Swamp Milkweed	*Asclepias incarnata*
New England Aster	*Aster novae-angliaee*
Purple Stemmed Aster	*Aster puniceus*
Flat Topped White Aster	*Aster umbellatus*
Nodding Bur Marigold	*Bidens cernua*
Wild Brome Grass	*Bromus altissimus*
Cosmos (Bristly) Sedge	*Carex comosa*
Hop Sedge	*Carex lupulina*
Lurid (Shallow) Sedge	*Carex lurida*
Blunt Broom Sedge	*Carex scoparia*
Awl Sedge	*Carex stipata*
Bristlebract Sedge	*Carex tribuloides*
Fox Sedge	*Carex vulpinoidea*
Wood Reedgrass	*Cinna arundinacea*
Virginia Wild Rye	*Elymus virginicus*
Joe Pye Weed	*Eupatorium fistulosum*
Spotted Joe Pye Weed	*Eupatorium maculatum*
Boneset	*Eupatorium perfoliatum*
Grass Leaved Goldenrod	*Euthamia graminifolia*
Rough Avens	*Geum laciniatum*
Rattlesnake Grass	*Glyceria candensis*
American Mannagrass	*Glyceria grandis*
Common Sneezeweed	*Helenium autumnale*
Ox Eye Sunflower	*Heliopsis helianthoides*
Soft Rush	*Juncus effusus*
Path Rush	*Juncus tenuis*
Square Stemmed Monkey Flower	*Mimulus ringens*
Ditch Stonecrop	*Penthorum sedoides*
Green Bulrush	*Scirpus atrovirens*
Wool Grass	*Scirpus cyperinus*
Many Leaved Bulrush	*Scirpus polyphyllus*
Blue Vervain	*Verbena hastata*
Giant Ironweed	*Vernonia gigantea*
Golden Alexanders	*Zizia aurea*

Notes:
Seed sedge meadow mix at 40 lbs/acre
Seed minimum of 10 species on above list, of which no one species to comprise greater than 20%
Seed annual cover (oats) at 50 lbs/acre, as needed.
Equivalent native species may be substituted based on availability.

Seeding Specifications

1. Seeding shall be accomplished between October 1 and July 15, unless otherwise approved by the engineer.
2. Seed oats (an annual cover species) should be added to all seed mixes at a rate of 50 lbs/acre for any bare exposed soil. Any substitutions from the approved list must be approved by the engineer.
3. The areas should be drained to reduce standing water, to the extent practical, and seed should be sown via the broadcast method. The deep marsh and shrub swamp habitats, or other areas with muddy surface conditions, should not be ground prepped or mulched. In the shallow marsh and sedge meadow, non-saturated surface areas should be tilled/disked to a depth of 2 inches prior to seeding, and clean straw mulch should be applied at a rate of 2 tons per acre immediately following seeding. Mulched areas shall be crimped to stabilize straw on the surface.
4. Allow the deep marsh and shrub swamp habitats to retain water at depths no greater than three inches for one month following seeding.
5. Water all seeded areas weekly for up to two months after seeding, if dry conditions persist.

Plug Planting Specifications

1. Planting of live wetland plugs should be accomplished between April 15 and September 15, unless otherwise approved by the engineer.
2. Plugs shall be a minimum of 2.5 inches diameter by 3 inches deep, well-rooted through the container, and shall be inoculated with mycorrhizal fungi.
3. Any substitutions from the approved list must be approved by the engineer.
4. Plugs shall be planted in pods of 20 plants consisting of two to four species in the specified densities within the open water, deep marsh, shallow marsh, and sedge meadow habitats.
5. Plugs shall be planted by excavating holes with hand tools, placing the plugs level with existing ground surface, and backfilling and firming soil around plug.
6. Thoroughly saturate the soil in the planted area to a depth of four inches immediately after planting plugs.
7. Maintain a minimum water depth of 2 to 12 in the open water area for one month after planting and then allow to fill completely.
8. Water planted areas weekly for up to two months after planting, if dry conditions persist.

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WETLANDS PLANTING PLAN

ANDOVER CLUB

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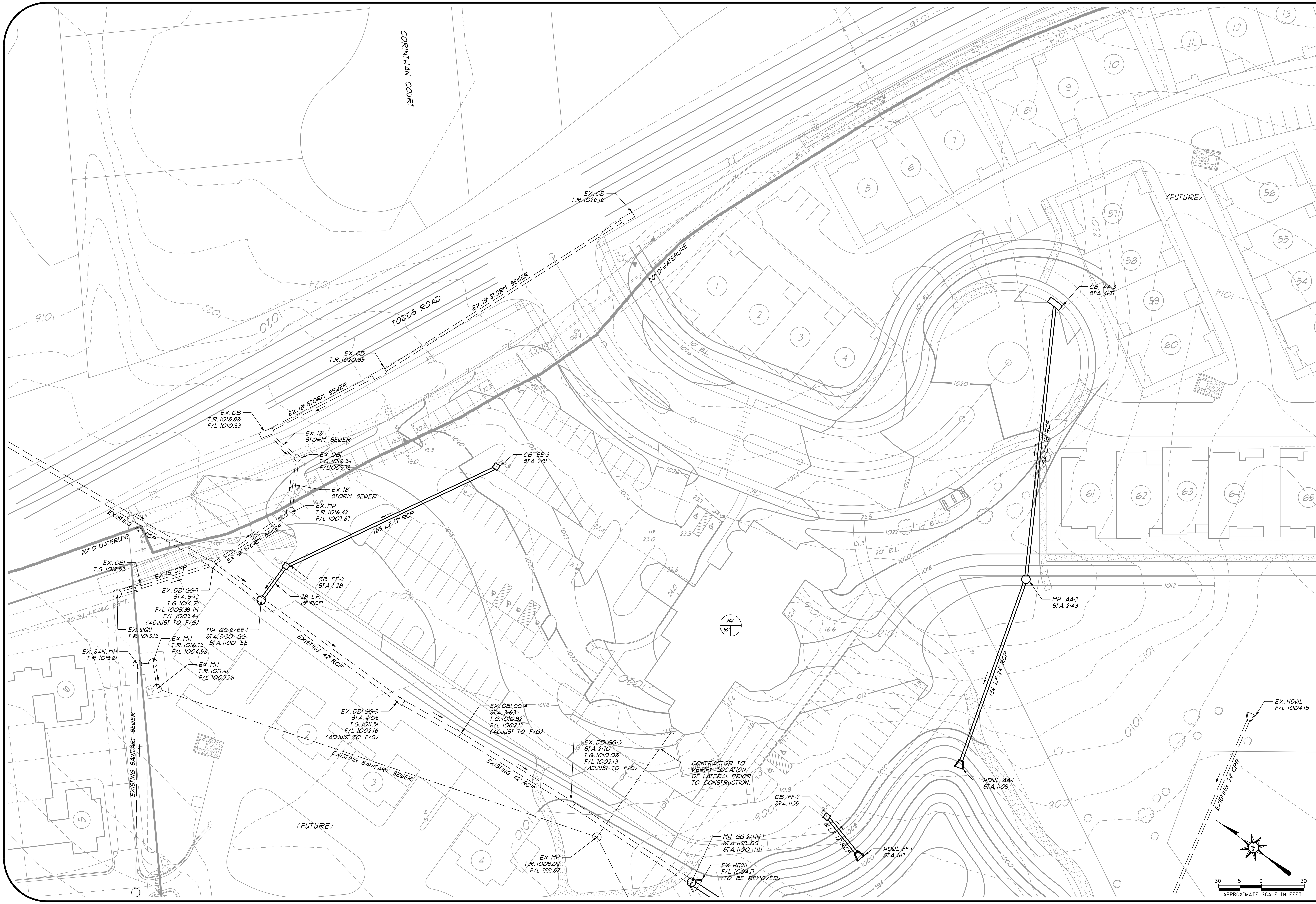

STORM AND SANITARY SEWER PLAN

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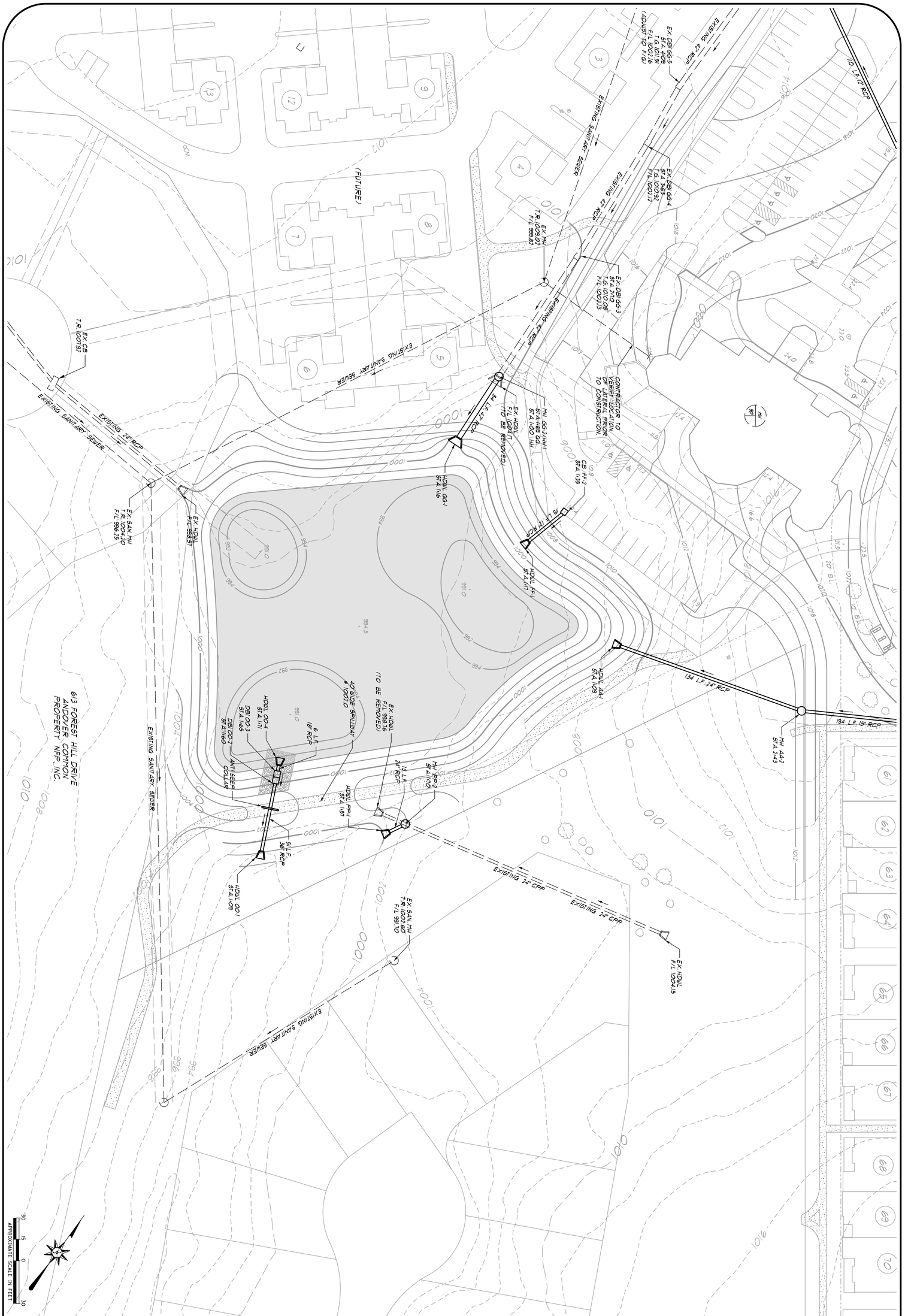

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STORM AND SANITARY SEWER PLAN

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STREET A

IF ROCK IS ENCOUNTERED DURING STREET CONSTRUCTION, ADDITIONAL SUBGRADE DRAINAGE SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER.

INSTALL ASPHALT WEDGING ADJACENT TO CURB INLETS ON UPSTREAM SIDE TO DIRECT RUNOFF TO GUTTERS DURING THE PERIOD OF TIME THAT FINAL SURFACE COURSE HAS NOT BEEN INSTALLED.

SCALE:
1" = 50' HORIZ.
1" = 5' VERT.

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STREET AND RETAINING WALL PROFILES

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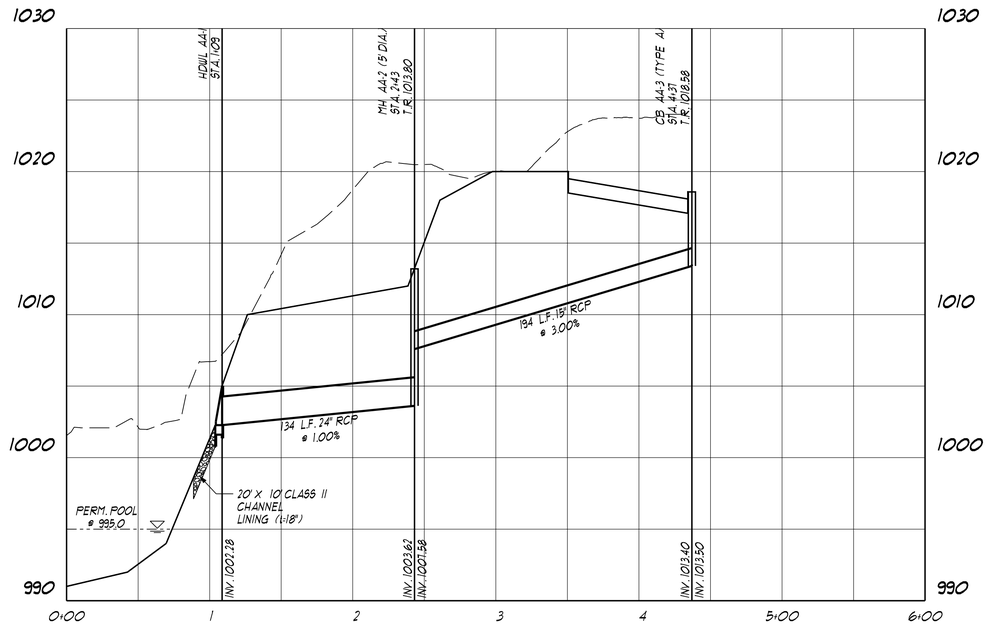

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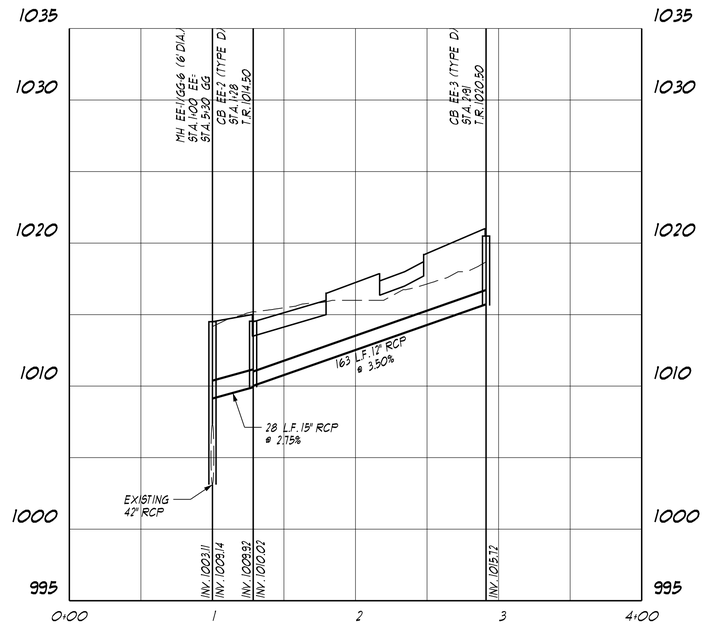

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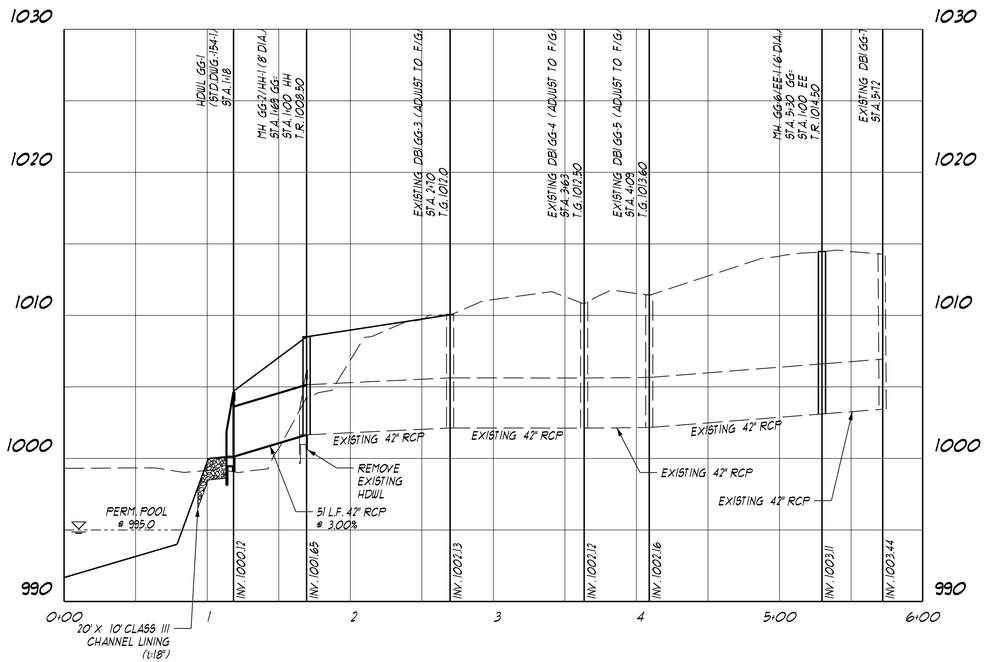

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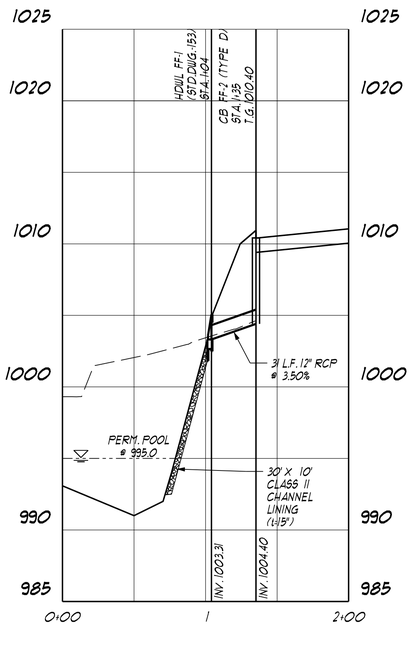

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NOTES:
THE NOTES SHOWN BELOW SHALL APPLY TO ALL STORM SEWERS, REGARDLESS IF NOTES ARE SHOWN ON STORM PROFILE SHEET OR NOT.

ALL CATCH BASIN TOP PHASES FOR GRADE BOXES SHALL BE SLOPED AT THE CURB GRADE.

ALL SURFACE INLETS SHALL HAVE NO APRON UNLESS OTHERWISE NOTED.

THE RIM ELEVATIONS OF ALL MANHOLES LOCATED BEHIND THE SIDEWALK SHALL BE A MAXIMUM OF 6" ABOVE THE TOP OF CURB.

ALL TYPE A & B CURB BOX INLETS SHALL HAVE A 10 FOOT THROAT UNLESS OTHERWISE NOTED.

REFER TO TO LFUCG STANDARD DRAWING NO.311 FOR BASE REINFORCEMENT FOR MANHOLES DEEPER THAN 12-FT.

PROVIDE 6" FLEXIBLE PERFORATED PIPE WITH FOR SUBGRADE DRAINAGE 100 FEET EACH WAY FROM SAG BASINS AND 100 FEET UPHILL OF BASINS ON GRADE.

STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE OR SMOOTH WALLED CORRUGATED PLASTIC PIPE (UP TO 36" DIAMETER).

CORRUGATED PLASTIC PIPE (CPP) SHALL NOT BE USED WHEN SEWER DEPTHS EXCEED 15-FT. CPP SHALL MEET SPECIFICATIONS AS DETAILED IN LFUCG STORMWATER MANUAL, SECTION 6.4.

REINFORCED CONCRETE PIPE SHALL HAVE A MINIMUM OF 18" OF COVER. CORRUGATED PLASTIC PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.

ALL PUBLIC STORM SEWERS SHALL BE VIDEO INSPECTED, NO SOONER THAN 30 DAYS FOLLOWING COMPLETION OF ALL GRADING OPERATIONS OR USE OF HEAVY EQUIPMENT ON, OR ADJACENT TO, THE SEWER, PRIOR TO THE TV INSPECTION OF THE STORM SEWER SHALL BE JET FLUSHED.

CONTRACTOR TO VERIFY 18" SEPARATION BETWEEN STORM AND SANITARY SEWER PIPE CROSSINGS. IN CASES WHERE THE SEPARATION IS LESS THAN 18", CONCRETE CRADLE SHALL BE INSTALLED PER THE SEWER CROSSING DETAIL.

THE CONTRACTOR SHALL NOTIFY THE LFUCG AND THE ENGINEER 72 HOURS PRIOR TO ANY TESTING.

CONTRACTOR TO VERIFY LOCATION, ELEVATION, AND MATERIAL TYPE OF ALL STRUCTURES AND PIPES PRIOR TO CONSTRUCTION.

STRUCTURES GREATER THAN 4-FT IN HEIGHT SHALL HAVE STEPS INSTALLED PER LFUCG STANDARDS.

PRECAST SUPPLIER TO REVIEW DESIGN OF DBI'S FOR DEPTHS GREATER THAN 8 FEET AND MH'S AND CBI'S FOR DEPTHS GREATER THAN 10 FEET AND MODIFY IF NECESSARY.

ALL INLETS DRAING TO INFILATRATION BASINS SHALL BE CONSTRUCTED WITH ADS FLEXSTORM STAINLESS STEEL FITC INLET FILTERS, OR EQUAL.

SCALE:
1" = 50' HORIZ.
1" = 5' VERT.

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STORM SEWER PROFILES

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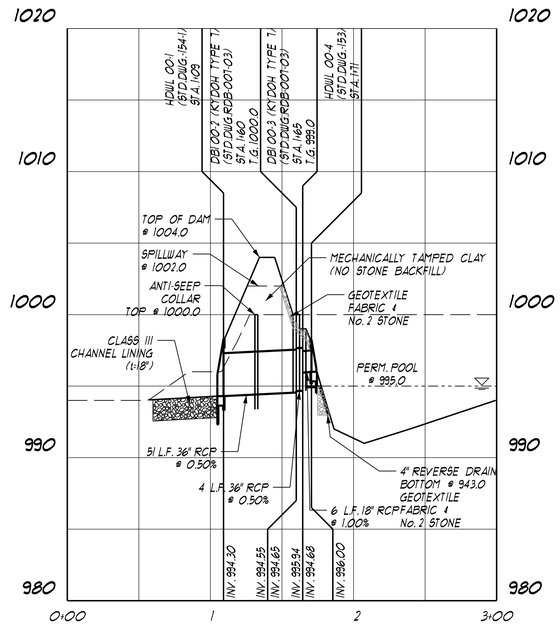

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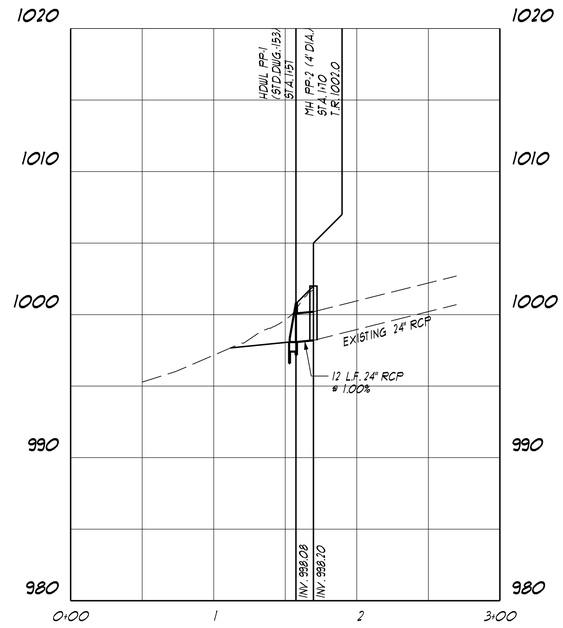

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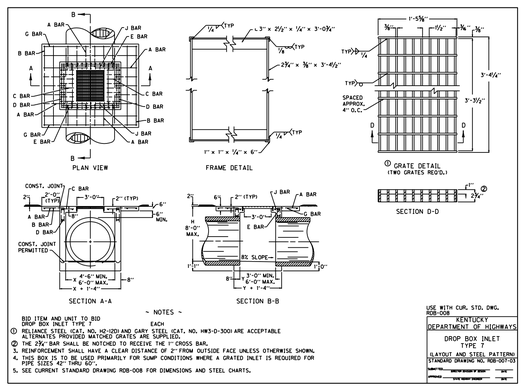

~ NOTES ~

BID ITEM AND UNIT TO BID
DROP BOX INLET TYPE 7 EACH

① RELEASE STEEL (CAT. NO. 10-USD) AND EARY LOCK (CAT. NO. HM3-D-300) ARE ACCEPTABLE ALTERNATES TO BOLTED GRATES ARE SUPPLIED.

② THE 2'9" BAR SHALL BE NOTCHED TO RECEIVE THE 1" CROSS BAR.

3. REINFORCEMENT SHALL HAVE A CLEAR DISTANCE OF 2" FROM OUTSIDE FACE UNLESS OTHERWISE SHOWN.

4. THIS BOX IS TO BE USED PRIMARILY FOR SUMP CONDITIONS WHERE A GRATED INLET IS REQUIRED FOR PIPE SIZES 42" THRU 60".

5. SEE CURRENT STANDARD DRAWING RDB-00B FOR DIMENSIONS AND STEEL CHARTS.

USE WITH CUR. STD. DWG. RDB-00B

KENTUCKY DEPARTMENT OF HIGHWAYS

DROP BOX INLET TYPE 7

(LAYOUT AND STEEL PATTERN) STANDARD DRAWING NO. RDB-007-03

DIMENSIONS AND ESTIMATE OF QUANTITIES

INLET SIZE NO.	X	Y	PIPE MAX. DIA.	SIDE	H	④ CONCRETE CUBIC YARDS	⑤ REINF. STEEL Q	LBS.
1	3'-0"	3'-0"	42"	X	5'-1½"	4.3	0.41	240
2	4'-6"	3'-0"				4.7		252
3	4'-0"	4'-0"		X OR Y		5.0	0.5	148
4	3'-0"	4'-6"				5.3		365
5	4'-6"	4'-6"				5.7		255
6	3'-0"	5'-0"	48"	X	5'-7"	5.2	0.5	193
7	5'-0"	4'-0"				5.6		370
8	4'-6"	5'-0"		X OR Y		6.3	0.61	416
9	5'-0"	5'-0"				6.9		262
10	3'-0"	5'-6"	54"	X	6'-1½"	5.8	0.5	276
11	5'-6"	4'-0"				6.2		388
12	4'-6"	5'-6"				6.6		407
13	4'-6"	6'-0"		X OR Y		7.0	0.6	434
14	5'-0"	5'-6"				7.4		453
15	5'-6"	5'-6"				7.9		473
16	3'-0"	6'-6"	60"	X	6'-8"	6.0	0.5	278
17	5'-6"	4'-0"				6.4		292
18	4'-0"	6'-6"				6.8		412
19	6'-0"	4'-6"				7.3	0.6	430
20	5'-0"	6'-6"				7.7		462
21	5'-6"	6'-6"				8.1		480
22	6'-0"	6'-6"		X OR Y		8.5	0.7	508

DIA. OF PIPE	REFERENCE CHART D.B.I. TYPE 7 PIPE ON "X" SIDE OF INLET	PIPE ON "Y" SIDE OF INLET	CONCRETE TO DEDUCT FOR EACH PIPE CUBIC YARDS
0			—
12"-18"		3'-0"	0.1
21"-24"			
27"-33"		3'-6"	0.2
36"		4'-0"	0.3
42"	4'-6"	4'-6"	0.4
48"	5'-0"	5'-0"	0.5
54"	5'-6"	5'-6"	0.6
60"	6'-0"	6'-0"	0.7

~ NOTES ~

④ BASED ON "H" AS EQUAL TO D+1'-2".
⑤ FOR PIPE SIZES LESS THAN 42" USE APPLICABLE CURRENT RDB-SERIES.
⑥ CUBIC YARDS OF CONCRETE PER FOOT INCREASE OR DECREASE WHEN "H" VARIES FROM D+1'-2".
7. NO DEDUCTIONS HAVE BEEN MADE FOR PIPE, SEE REFERENCE CHART FOR QUANTITIES TO DEDUCT.
8. "T" IS CONCRETE PIPE WALL THICKNESS OR METAL PIPE CORRUGATION DEPTH.
9. D=INSIDE DIAMETER OF PIPE.
10. A, B AND G BARS SPACED 1'-0" O.C., C AND J BARS SPACED 6" O.C., ALL OTHER BARS SPACED AS SHOWN.

BILL OF REINFORCEMENT

NUMBER 5 REINFORCEMENT BARS

MARK	NO.	LGTH. (O) FT.	IN.	K FT.	IN.	W	MARK	NO.	LGTH. (O) FT.	IN.	K FT.	IN.	W	MARK	NO.	LGTH. (O) FT.	IN.	K FT.	IN.	W	MARK	NO.	LGTH. (O) FT.	IN.	K FT.	IN.	W
4'-6" x 3'-0"							5'-0" x 3'-6"							5'-6" x 3'-6"							5'-6" x 5'-6"						
A	18	1	10	2	4		A	20	1	10	2	4		A	20	1	10	2	4		A	24	1	10	2	4	
B	4	8	0				B	4	9	6				B	4	9	6				B	4	10	6			
C	10	2	5	0	11		C	14	2	8	1	2		C	14	2	11	1	5		C	22	2	11	1	11	1
D	10	4	0				D	10	4	6				D	10	4	6				D	10	5	6			
E	4	4	6				E	10	4	6	0			E	10	4	6				E	10	6	6			
G	4	4	9	6			G	4	10	0				G	4	10	6				G	4	11	0			
4'-6" x 3'-6"							5'-0" x 4'-0"							5'-6" x 4'-0"							6'-0" x 5'-0"						
A	18	1	10	2	4		A	22	1	10	2	4		A	22	1	10	2	4		A	26	3	10	2	4	
B	4	8	6				B	4	9	0				B	4	9	0				A	22	1	10	2	4	5
C	10	2	5	0	11		C	16	2	8	1	2		C	16	2	11	1	5		B	4	8	6	0		
D	10	4	6				D	10	5	0				D	10	5	0				C	12	3	2	1	8	
E	4	4	5	6			E	10	4	6				E	10	5	6				D	10	4	0			
G	4	4	9	6			G	4	10	0				G	4	10	6				E	10	5	6			
4'-6" x 4'-0"							5'-0" x 4'-6"							5'-6" x 4'-6"							6'-0" x 3'-6"						
J	20	1	10	2	4		J	20	2	2	0	8		J	22	2	2	0	8		G	4	11	0			
5'-0" x 3'-0"							5'-0" x 4'-6"							5'-6" x 4'-6"							6'-0" x 5'-6"						
A	20	1	10	2	4		A	22	1	10	2	4		A	22	1	10	2	4		A	26	3	10	2	4	
B	4	9	6				B	4	9	0				B	4	9	0				B	4	10	6			
C	16	2	5	0	11		C	16	2	8	1	2		C	16	2	11	1	5		A	26	3	10	2	4	5
D	10	5	6				D	10	5	0				D	10	5	0				B	4	10	6			
E	4	4	6				E	10	4	6				E	10	5	6				C	22	3	2	1	8	
J	18	2	2	0	8		G	4	10	0				G	4	10	6				D	10	4	6			
6'-0" x 4'-0"							6'-0" x 4'-0"							6'-0" x 4'-0"							E	10	7	0			
A	24	1	10	2	4		A	24	1	10	2	4		A	24	1	10	2	4		G	4	11	0			
B	4	9	6				B	4	9	0				B	4	9	0				J	24	2	2	8	1	2
C	20	2	8	1	2		C	20	2	11	1	5		C	20	2	11	1	5		6'-0" x 5'-6"						
D	10	5	6				D	10	5	0				D	10	5	0				A	26	3	10	2	4	
E	10	4	6	0			E	10	4	6				E	10	5	6				B	4	10	6			
G	4	9	6				G	4	10	0				G	4	10	6				C	22	3	2	1	8	
J	20	2	8	1	2		J	20	2	8	1	2		J	22	2	8	1	2		D	10	4	6			
5'-0" x 3'-0"							5'-0" x 5'-0"							5'-6" x 5'-0"							E	10	7	0			
A	24	1	10	2	4		A	24	1	10	2	4		A	24	1	10	2	4		G	4	11	0			
B	4	9	6				B	4	9	0				B	4	9	0				J	24	2	2	8	1	1
C	20	2	8	1	2		C	20	2	11	1	5		C	20	2	11	1	5		6'-0" x 6'-0"						
D	10	5	6				D	10	5	0				D	10	5	0				A	24	3	2	1	8	
E	10	4	6	0			E	10	4	6				E	10	5	6				B	4	11	0			
G	4	9	6				G	4	10	0				G	4	10	6				C	22	3	2	1	8	
J	18	2	2	0	8		J	20	2	8	1	2		J	22	2	8	1	2		D	10	4	6			
5'-0" x 3'-0"							5'-6" x 3'-0"														E	10	7	0			
A	20	3	10	2	4		A	20	3	10	2	4									G	4	11	0			
C	12	2	8	1	2		C	12	2	8	1	2									J	24	3	2	1	8	
D	10	4	0				D	10	4	0																	
E	4	6	0				E	10	4	0																	
G	4	10	0				G	4	10	6																	

~ BAR NOTES ~

① NUMBER OF BARS IN ONE G.B.I. TYPE 7.
2. DIMENSIONS ARE O. TO O. OF BARS.
3. ALL BARS ARE STRAIGHT EXCEPT THOSE SHOWN BELOW.

BARS A, C AND J — BENT BAR SHAPES

USE WITH CUR. STD. DWG. RDB-00T

KENTUCKY DEPARTMENT OF HIGHWAYS

DROP BOX INLET TYPE 7

(DIMENSION & STEEL CHARTS) STANDARD DRAWING NO. RDB-008-04

NOTES:
THE NOTES SHOWN BELOW SHALL APPLY TO ALL STORM SEWERS, REGARDLESS IF NOTES ARE SHOWN ON STORM PROFILE SHEET OR NOT.

ALL CATCH BASIN TOP PHASES FOR GRADE BOXES SHALL BE SLOPED AT THE CURB GRADE.

ALL SURFACE INLETS SHALL HAVE NO APRON UNLESS OTHERWISE NOTED.

THE RIM ELEVATIONS OF ALL MANHOLES LOCATED BEHIND THE SIDEWALK SHALL BE A MAXIMUM OF 6" ABOVE THE TOP OF CURB.

ALL TYPE A & B CURB BOX INLETS SHALL HAVE A 10 FOOT THROAT UNLESS OTHERWISE NOTED.

REFER TO TO LFUCG STANDARD DRAWING NO.311 FOR BASE REINFORCEMENT FOR MANHOLES DEEPER THAN 12-FT.

PROVIDE 6" FLEXIBLE PERFORATED PIPE WITH FOR SUBGRADE DRAINAGE 100 FEET EACH WAY FROM BAG BASINS AND 100 FEET UPHILL OF BASINS ON GRADE.

STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE OR SMOOTH WALLED CORRUGATED PLASTIC PIPE (UP TO 36" DIAMETER).

CORRUGATED PLASTIC PIPE (CPP) SHALL NOT BE USED WHEN SEWER DEPTHS EXCEED 15-FT. CPP SHALL MEET SPECIFICATIONS AS DETAILED IN LFUCG STORMWATER MANUAL, SECTION 6.4.

REINFORCED CONCRETE PIPE SHALL HAVE A MINIMUM OF 18" OF COVER. CORRUGATED PLASTIC PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.

ALL PUBLIC STORM SEWERS SHALL BE VIDEO INSPECTED, NO SOONER THAN 30 DAYS FOLLOWING COMPLETION OF ALL GRADING OPERATIONS OR USE OF HEAVY EQUIPMENT ON, OR ADJACENT TO THE SEWER. PRIOR TO THE TV INSPECTION OF THE STORM SEWER SHALL BE JET FLUSHED.

CONTRACTOR TO VERIFY 18" SEPARATION BETWEEN STORM AND SANITARY SEWER PIPE CROSSINGS. IN CASES WHERE THE SEPARATION IS LESS THAN 18" CONCRETE CRADLE SHALL BE INSTALLED PER THE SEWER CROSSING DETAIL.

THE CONTRACTOR SHALL NOTIFY THE LFUCG AND THE ENGINEER 72 HOURS PRIOR TO ANY TESTING.

CONTRACTOR TO VERIFY LOCATION, ELEVATION AND MATERIAL TYPE OF ALL STRUCTURES AND PIPES PRIOR TO CONSTRUCTION.

STRUCTURES GREATER THAN 4-FT IN HEIGHT SHALL HAVE STEPS INSTALLED PER LFUCG STANDARDS.

PRECAST SUPPLIER TO REVIEW DESIGN OF DBI'S FOR DEPTHS GREATER THAN 8 FEET AND MH'S AND CBI'S FOR DEPTHS GREATER THAN 10 FEET AND MODIFY IF NECESSARY.

ALL INLETS DRAING TO INFILATRATION BASINS SHALL BE CONSTRUCTED WITH ADS FLEXSTORM STAINLESS STEEL FIC INLET FILTERS, OR EQUAL.

SCALE:
1" = 50' HORIZ.
1" = 5' VERT.

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STORM SEWER PROFILES

ANDOVER CLUB
CLUBHOUSE
LEXINGTON, FAYETTE COUNTY, KENTUCKY

DRAWN TWH
DATE 06/13/23
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REVISED

SHEET
8B

A. SITE DESCRIPTION

The project know as Andover Club 3450 &, 3550 Todds Road is a 4 acre Commercial development located in southeast Fayette County, on a portion of the Andover Golf and Country Club. The property currently is mixture of parking lot and golf course. Runoff from the site will be collected in storm sewers and discharged into a proposed Stormwater Management Facility located within the project . All storm sewers shall be protected with modified silt checks and the outlet is protected with a large stone silt check. All erosion control features shall remain in place until 70% of the upstream development is re-vegetated.

B. SEDIMENT AND EROSION CONTROL MEASURES

1) Prior to mobilization, all tree protection fence and silt fence shall be installed.

2) Silt fences shall comply with figure 11-21 & 11-22 in the Stormwater Manual.

3) The construction entrance(s) shall be constructed during the first phases of the mobilization.

4) Phase II silt fence shall be placed behind the curb following the completion of the paving operations.

5) The stone silt check below the existing pond and above the proposed wetland shall be installed prior to clearing and grubbing.

6) At the completion of the downstream segments of storm sewers discharging into the storm water management facilities, the stone silt checks shall be installed.

7) The infiltration basins shall be installed with the paving operations. The storm sewers shall be cleaned prior to installation of the basins.

8) The wetlands and storm water management facility shall be shaped during the initial grading operations and shall serve as silt control throughout the project.

9) The wetlands and storm water management facility shall be cleaned out when ⅓ of the volume is lost. All silt shall be removed and a minimum of one foot of topsoil shall be spread in the bottom of the wetlands prior to seeding and/or planting.

10) All materials resulting from the clearing and grubbing operations shall be disposed of by the contractor. The material shall not be buried within the lots, right-of-ways or designated greenways. Burning pits shall be located as directed by the Engineer and approved by the Fire Marshall.

11) Additional erosion control measures, in addition to those shown on the plans, may be required. The measures may include seeding, mulching, silt fence, straw bales, stone silt checks, and armoring of silt fence as necessary to prevent soil erosion.

12) The existing vegetation shall be preserved where possible.

13) All disturbed areas shall be stabilized. Permanent stabilization shall begin within 14 days of completion of activities. Temporary stabilization shall be provided in any portion of the site that remains inactive for more than 21 days. Stabilization practices shall include seeding, mulching, placing sod, planting trees or shrubs, and using geotextile fabrics and other appropriate measures.

14) Following construction slopes steeper than 5:1 located outside the house contruction footprint shall be seeded and protected with erosion control blanket or netting.

15) If grading occurs during the winter months, the use of winter wheat or other recommended seed should be considered. When seasonal conditions prohibit the application of temporary or permanent seeding, non-vegetative soil stabilization practices such as mulching and netting shall be used until such times as conditions permit.

16) The performance of the erosion control plan shall be monitored weekly and following each significant rainfall in excess of 1/2". The silt control devices are to be inspected, cleaned, and repaired, if necessary.

17) All erosion control features shall be cleaned and maintained so that they remain functional throughout the project.

18) The basins shall be kept clean of debris and trash throughout the project.

19) Silt fence shall be cleaned out/repaired when silt buildup reaches 1/3 of the fence height.

20) All storm inlets shall be protected from sediment using the modified silt check as shown on the plans.

21) Topsoil stockpiles and borrow sites shall be surrounded by silt fences, re-seeded, and placed where soil erosion will not go into the sediment basins.

22) Upon completion of the final grading operations all surface inlets shall be protected by the modified silt checks as shown on the plans.

23) All sediment control features shall remain in place until the site has been re-vegetated and the ultimate water quality features are in place and accepted by the Engineer.

C. Storm Water Management Devices

1) All storm water runoff leaving the paved portions of the site shall be collected in the storm sewer system.

2) The discharge from this development shall be controlled by a storm water management facility and wetland basin located within the project. Sediment shall be controlled with diversion ditches, silt fence and silt checks. The above structures shall be maintained throughout the construction process.

D. OTHER CONTROL MEASURES

1) No solids, including building materials, shall be allowed to discharge into waters of the Commonwealth.

2) Sediment from vehicles tracking onto pavement and from dust generated onsite shall be minimized. All mud tracked onto adjoining roadways shall be cleaned immediately.

3) Sanitary and waste disposal shall comply with the project specifications, or applicable state or local regulations.

4) An area shall be designated for employee parking and storage of materials. The area shall be maintained throughout the project and , if necessary, be covered with stone to prevent erosion.

E. OTHER STATE OR LOCAL PLANS

1) All work shall be performed in accordance with the Lexington-Fayette Urban County Government's requirements with respect to storm water management and erosion control.

2) All work within the existing streams and wetlands shall be performed in accordance with the Corp of Engineers Permit and the Water Quality Certification issued by the Kentucky Division of Water.

F. MAINTENANCE

Refer to Section B for discussion of maintenance of the sediment control features.

G. INSPECTION

1) Refer to Section B for discussion of inspections of the sediment control features.

2) The inspections shall be performed by qualified representatives of the Engineer or the Developer.

3) The findings of the inspections shall be hand delivered or faxed to the Contractor or Developer.

4) Revisions to the Best Management Practices Plan based on the results of an inspection shall be implemented within (7) seven days.

5) Control measures shall be inspected to ensure correct operation. Accessible discharge locations shall be inspected to insure that velocity dissipation devices are effective in preventing significant impacts to receiving waters.

6) Disturbed areas and material storage areas that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system.

7) Reports of the inspections including the scope, names and qualifications of personnel of persons making the inspection, the date of the inspection, major observations relating to the implementation of the Best Management Practices Plan, and any corrective actions taken shall be made and kept for a period of three (3) years or until one (1) year after the permit ends.

8) The inspection reports shall be provided to the Engineer for incorporation into the Best Management Practices Plan.

H. NON-STORM WATER DISCHARGES

1) The site shall be maintained in a manner such that non-storm water discharges including leakages/spills (i.e. Hydraulic Fluid, Antifreeze, Brake Fluid, Oils, etc.) are prevented from entering the retention basin or ultimately leaving the site.

2) Should a non-stormwater discharge occur the proper authorities shall be notified (Division of Environmental Services and Division of Water.

3) The only non-storm water discharges which are permitted are those from fire fighting activities, fire hydrant flushing, potable water sources, water line flushing, irrigation or lawn watering, detergent free building or pavement washing where spills or leaks of toxic materials have not yet occurred or have been completely removed, air conditioning condensation, natural springs, and uncontaminated ground water sources.

I. CONTRACTORS AND SUBCONTRACTORS

1) The general contractor or developer shall furnish the Engineer with the contractor or subcontractor that is responsible for implementing and maintaining each portion of the sediment control measures shown on the plans or outlined in this Best Management Practices Plan.

2) All contractors and subcontractors shall sign a copy of the certification statement below before conducting any professional service at the site:

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

Copies of the certifications shall be submitted to the Engineer for inclusion in the Best Management Practices Plan.

EARTHWORK SEQUENCES

1) CLEARING AND GRUBBING.
2) TOPSOIL EXCAVATION AND STOCKPILING.
3) EMBANKMENT CONSTRUCTION AND EXCAVATION.
4) HOME BUILDING AND FINAL YARD GRADING.
5) RE-VEGEATION AND LAWN ESTABLISHMENT.

CONTRACTOR / SUBCONTRACTOR
CERTIFICATION

ANDOVER CLUB
CLUBHOUSE
LEXINGTON, FAYETTE COUNTY, KENTUCKY

NAME _____

COMPANY _____

TITLE _____

ADDRESS _____

PHONE _____

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

_____
SIGNATURE

J. BMP SEQUENCING

Install silt fence and or tree protection fence, construction entrance and silt checks.

Begin demolition, clearing and grubbing operations. Stockpile topsoil outside disturbed area.

Perform grading operations.

Construct storm sewers and sanitary sewers. Install stone silt checks at the storm sewer outlets upon completion of downstream segments.

Install catch basin inlet protection and channel lining at the storm sewer and culvert outlets. Reconstruct stone silt checks as necessary.

Install Phase II silt fence at the back of the curb.

Seed and protect all disturbed areas.

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BEST MANAGEMENT PRACTICES NOTES

ANDOVER CLUB
CLUBHOUSE
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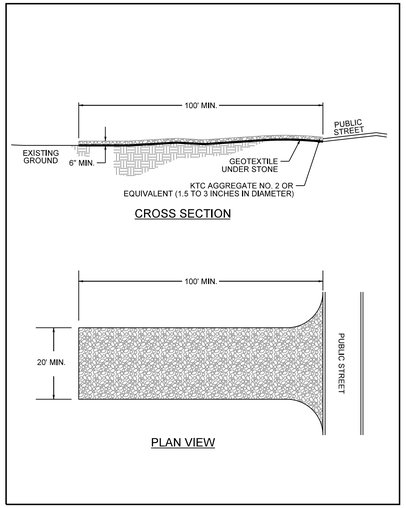
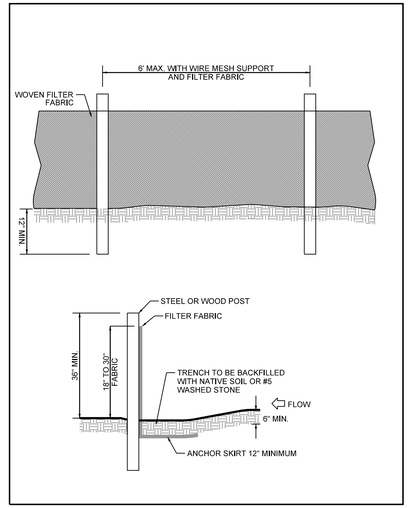


CONSTRUCTION ENTRANCE

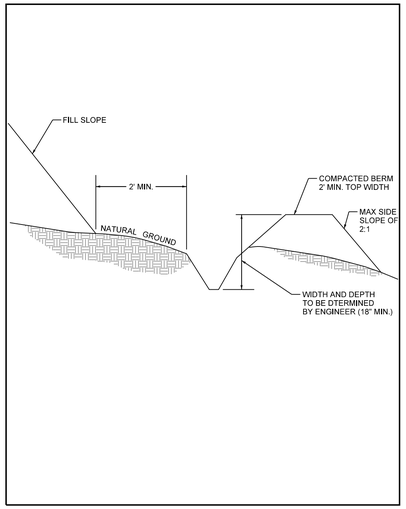
GENERAL NOTES

1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER. WHEN JOINTS CANNOT BE AVOIDED, FILTER FABRIC SHALL BE SPLICED TOGETHER ONLY AT A POST WITH 3 FOOT MIN. OVERLAP, AND SECURELY SEALED.
2. POSTS SHALL BE PLACED AT 6 FOOT INTERVALS IN AREAS OF RAPID RUNOFF.
3. POSTS SHALL BE AT LEAST 5 FEET IN LENGTH.
4. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE AND FABRIC.
5. WOOD POSTS SHALL BE 2 INCHES BY 2 INCHES OR EQUIVALENT. STEEL POSTS SHALL BE 1.33 LBS PER LINEAR FOOT.
6. A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH IN LENGTH, WIRE TIES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. WASHED STONE SHALL BE USED TO BURY SKIRT WHEN SILT FENCE IS USED ADJACENT TO A CHANNEL, CREEK OR POND.
8. TURN SILT FENCE UP SLOPE AT ENDS.

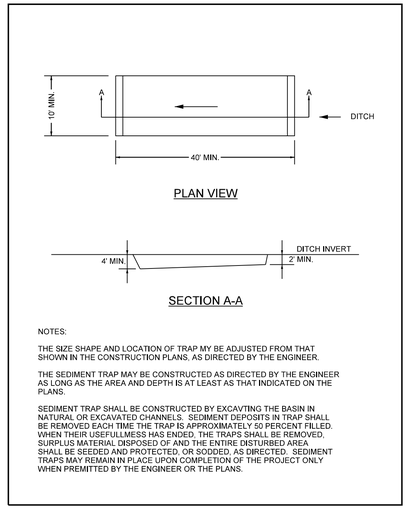
TEMPORARY SILT FENCE GENERAL NOTES



SILT FENCE DETAIL



TEMPORARY DIVERSION DITCH



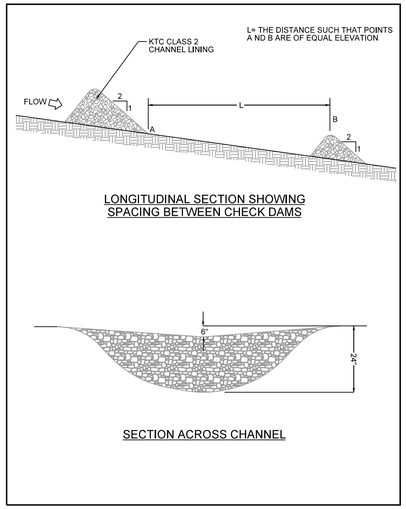
NOTES:

THE SIZE SHAPE AND LOCATION OF TRAP MY BE ADJUSTED FROM THAT SHOWN IN THE CONSTRUCTION PLANS, AS DIRECTED BY THE ENGINEER.

THE SEDIMENT TRAP MAY BE CONSTRUCTED AS DIRECTED BY THE ENGINEER AS LONG AS THE AREA AND DEPTH IS AT LEAST AS THAT INDICATED ON THE PLANS.

SEDIMENT TRAP SHALL BE CONSTRUCTED BY EXCAVTING THE BASIN IN NATURAL OR EXCAVATED CHANNELS. SEDIMENT DEPOSITS IN TRAP SHALL BE REMOVED EACH TIME THE TRAP IS APPROXIMATELY 50 PERCENT FILLED. WHEN THEIR USEFULLMESS HAS ENDED, THE TRAPS SHALL BE REMOVED, SURPLUS MATERIAL DISPOSED OF AND THE ENTIRE DISTURBED AREA SHALL BE SEEDED AND PROTECTED, OR SODDED, AS DIRECTED. SEDIMENT TRAPS MAY REMAIN IN PLACE UPON COMPLETION OF THE PROJECT ONLY WHEN PREMITTED BY THE ENGINEER OR THE PLANS.

SEDIMENT TRAP DETAIL



ROCK CHECK DAM

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BEST MANAGEMENT PRACTICES DETAILS

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LEXINGTON, FAYETTE COUNTY, KENTUCKY

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10 YEAR STORM DESIGN

Pipe	Start-Node	Stop-Node	Inlet A (acres)	C	Tot CA (acres)	TC (min)	Sys Flow Time (min)	Length (ft)	S (ft/ft)	Shape	Size (in)	V avg (ft/s)	Q (cfs)	Cap (cfs)	Up Gr. (ft)	Up HGL (ft)
P-AA-1	MH AA-2/QQ-1	HDWL AA-1	(N/A)	(N/A)	4.09	0	12.05	134.50	0.01	Circle	24	8.71	20.30	24.46	1013.80	1005.24
P-AA-2	CB AA-3	MH AA-2/QQ-1	1.85	0.70	1.52	10	10.21	193.90	0.03	Circle	15	10.51	8.06	12.13	1018.08	1014.52
P-AA-3	CB AA-4	CB AA-3	0.25	0.90	0.23	10	10.00	55.40	0.01	Circle	12	4.33	1.20	3.85	1019.00	1014.94
P-EE-1	CB EE-2	MH EE-1	1.00	0.90	1.04	10	10.50	28.40	0.027	Circle	15	9.30	5.44	11.58	1014.50	1010.87
P-EE-2	CB EE-3	CB EE-2	0.15	0.90	0.14	10	10.00	162.70	0.028	Circle	12	5.40	0.72	6.40	1018.50	1014.85
P-FF-1	CB FF-2	HDWL FF-1	0.90	0.80	0.72	10	10.00	31.10	0.035	Circle	12	9.34	3.85	7.22	1010.40	1005.23

100 YEAR STORM CHECK

Pipe	Start-Node	Stop-Node	Inlet A (acres)	C	Tot CA (acres)	TC (min)	Sys Flow Time (min)	Length (ft)	S (ft/ft)	Shape	Size (in)	V avg (ft/s)	Q (cfs)	Cap (cfs)	Up Gr. (ft)	Up HGL (ft)
P-AA-1	MH AA-2/QQ-1	HDWL AA-1	(N/A)	(N/A)	4.09	0	12.41	134.50	0.01	Circle	24	8.77	26.03	24.46	1013.80	1005.41
P-AA-2	CB AA-3	MH AA-2/QQ-1	1.85	0.70	1.52	10	10.46	193.90	0.03	Circle	15	11.11	10.40	12.13	1018.08	1014.59
P-AA-3	CB AA-4	CB AA-3	0.25	0.90	0.23	10	10.00	55.40	0.01	Circle	12	1.99	1.56	3.85	1019.00	1015.26
P-EE-1	CB EE-2	MH EE-1	1.00	0.90	1.04	10	10.47	28.40	0.027	Circle	15	9.91	7.08	11.58	1014.50	1010.99
P-EE-2	CB EE-3	CB EE-2	0.15	0.90	0.14	10	10.00	162.70	0.028	Circle	12	5.83	0.94	6.40	1018.50	1014.91
P-FF-1	CB FF-2	HDWL FF-1	0.90	0.80	0.72	10	10.00	31.10	0.035	Circle	12	9.93	5.01	7.22	1010.40	1005.32

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STORM SEWER CALCULATIONS

ANDOVER CLUB

CLUBHOUSE

LEXINGTON , FAYETTE COUNTY, KENTUCKY

DRAWN TWH
DATE 06/13/23
CHECKED
REVISED

SHEET
12