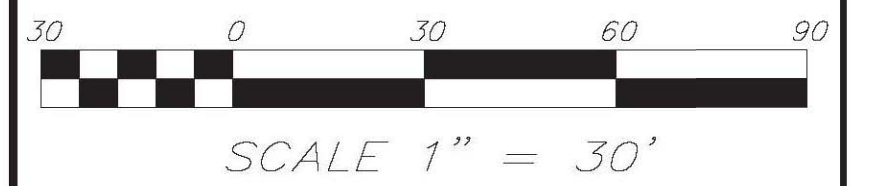


NOTES:

1. PROPOSED DRIVEWAYS TO BE BITUMINOUS CONCRETE. DRIVEWAYS TO HAVE 2' RADIUS ROUNDINGS AT CURB.
2. PROPOSED SLOPES ON ALL LOTS SHALL NOT EXCEED 2.5:1 EXCEPT WHERE PROPOSED GRADE MEETS EXISTING GRADES STEEPER THAN 2.5:1 OR WHERE LEDGE IS ENCOUNTERED.
3. ALL DISTANCES AND BEARINGS HAVE BEEN REMOVED FOR CLARITY.
4. PROPOSED TREES TO BE SELECTED FROM THE CITY OF WORCESTER LIST OF RECOMMENDED TREES. TREES SELECTED FROM RECOMMENDED LIST MUST BE ASIAN LONG-HORNED BEETLE RESISTANT. SIZE TO BE IN ACCORDANCE WITH SUBDIVISION REGULATIONS AND THE ZONING ORDINANCE IN EFFECT AT TIME OF APPROVAL.
5. AREAS SUBJECT TO EXCAVATION AND GRADING WILL BE LOAMED AND SEEDED TO PROVIDE NEW VEGETATION.
6. ALL EROSION CONTROL MEASURES TO BE IN PLACE PRIOR TO ANY EARTHWORK.
7. EROSION CONTROL SHALL COMPLY WITH CONSERVATION COMMISSION ORDER OF CONDITIONS.
8. LOCATIONS OF EXISTING AND PROPOSED EROSION CONTROL MEASURES ARE APPROXIMATE.
9. WHERE LEDGE IS ENCOUNTERED, LOOSE AND OVERHANGING ROCK SHALL BE REMOVED. STABLE LEDGE SHALL BE CLEANED OF SAND, STONE, GRAVEL AND DIRT.
10. ANY EXPOSED AREAS OF 2.5:1 SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS.
11. EROSION CONTROLS AT THE TOE OF THE SLOPE (WESTERN, ABOVE SLOPE B) BE WIRE-BACKED SILT FENCING OR OTHER SUCH MEASURES AS APPROVED BY THE COMMISSION OR ITS AGENTS.
12. EROSION CONTROL BARRIER AS SHOWN ON SHEET 11 TITLED "GRADING AND EROSION CONTROL PLAN 1: LOTS 88-96" SHALL ALSO SERVE AS LIMIT OF WORK.
13. SHUT-DOWN PLAN FOR TEMPORARY STABILIZATION MEASURES TO BE INSTALLED IF WORK STOPS FOR 14 DAYS OR MORE.
14. INLET PROTECTION SHALL BE PROVIDED BEYOND LIMIT OF WORK IN BITTERSWEET CIRCLE.
15. ALL EXISTING VEGETATION ON LOTS TO BE REMOVED AS PART OF DEVELOPMENT. LOTS WILL BE LOAMED AND SEEDED UPON COMPLETION.
16. THERE ARE NO WALKOUT BASEMENTS PROPOSED ALONG SNOWBERRY CIRCLE.

LANDSCAPING WALL AND GENERAL LOT SEQUENCING (PROVIDED BY GALLO BUILDERS)

1. TYPICAL WALL SLOPE CONSTRUCTION TO BE 23"x23"x96" PRECAST CONCRETE BLOCKS WITH TONGUE AND GROOVE, PLACED OVER 1" OF 1 1/2" STONE. EACH BLOCK TO BE PLACED OVER EACH OTHER WITH ALTERNATE VERTICAL SEAMS WITH A 2" TILT INTO SLOPE.
2. PRIOR TO CONSTRUCTION, SILT FENCES AND HAY BALES WILL BE PLACED AT TOE OF SLOPE AND REPLACED WHEN NECESSARY.
3. LOWER WALL TO BE BUILT OVER 1 1/2" CRUSHED STONE.
4. FILL TO BE PLACED FROM CONSTRUCTED WALL AT A SLOPE OF 2 1/2' / 1' AT 10'X70' INTERVALS.
5. FILLED AREA TO BE COMPACTED MECHANICALLY.
6. 10'X70' AREA TO BE LOAMED, SEEDED, MATTED AND WATERED.
7. AT B SLAB ELEVATION (55' FROM RIGHT OF WAY) ALL PLACED FILL TO BE MECHANICALLY COMPACTED AND TESTED FOR 95% COMPACTION. SLOPE A FOLLOWED THE SAME PROCEDURE AND WAS 100% EFFECTIVE.
8. FOUNDATIONS TO BE INSTALLED WITH SEWER, WATER, STORMDRAIN CONNECTIONS TO UTILITIES ON RIGHT OF WAY.
9. PRIOR TO FOUNDATIONS, SILT FENCES WILL BE INSTALLED ALONG FRONT PERIMETER AND SIDE LINES IF DEEMED NECESSARY.
10. AT THE SAME TIME, DRIVEWAYS AND SIDEWALKS TO BE GRAVELED AND ALL LANDSCAPING WALLS TO BE PUT IN PLACE.
11. ALL DECK SONOTUBES AND CONCRETE SUPPORTS SHALL BE INSTALLED AND AREA TO BE LOAMED, SEEDED AND MATTED.
12. FRAMING WITH ROOF AND VINYL SIDING SHALL FOLLOW WITH RAIN GUTTERS AND ALL LEADERS CONNECTED TO STORM DRAINS ON RIGHT OF WAY.
13. DRIVEWAY AND SIDEWALK PAVEMENT TO BE COMPLETED AFTER INSTALLATION OF SHEET ROCK.
14. ALL FINISHED SLOPES 2.5:1 SHALL BE LOAMED, SEEDED, EROSION CONTROL MATTED, AND WATERED.



SITE PLAN NOTES:

1. ALL CATCH BASINS WITHIN 100' OF THE PROJECT TO HAVE FILTER BAGS INSTALLED.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW CONSTRUCTION DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS, RELATIVE TO THE DRAWINGS, SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE TO DO SO WILL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO GRADE THE LOT SUCH THAT WATER RUNOFF FLOWS AWAY FROM THE HOUSE AND GARAGE.
4. LOCATION OF ALL EXISTING AND PROPOSED UTILITY SERVICE LOCATIONS ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION OR EXCAVATION. THE SAME SHALL HOLD TRUE FOR UTILITY SERVICE CONNECTION POINTS.
5. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE CONDUITS, PRODUCT PIPING, ETC. PRIOR TO EXCAVATION OF ANY TYPE.
6. ALL EXCAVATED UNSUITABLE MATERIALS MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY "DIG-SAFE" AT 811, 72 HOURS BEFORE ANY EXCAVATION ON SITE. THE CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK OUT THEIR UTILITIES.
8. ALL SANITARY AND DRAINAGE HOUSE CONNECTIONS TO BE 6" SDR 35 PVC.
9. ALL ROOF DRAINS FOR LOTS 82-86 TO BE CONNECTED TO THE SURFACE DRAIN LOCATED IN BITTERSWEET BOULEVARD.
10. THE USDA NATURAL RESOURCES CONSERVATION SERVICE (NRCS) WEB SOIL SURVEY DESIGNATES THE SOILS FOR THIS PARCEL AS PAXTON FINE SANDY LOAM, AND CHATFIELD-HOLLIS-SHOCK OUTCROP. EROSION CONTROL BLANKET (TYP)
11. THE MOBILE OIL EASEMENT SHOWN ON SHEETS 4 & 6-12 OF THE 6/30/2009 ARBORETUM DEFINITIVE SUBDIVISION PLAN, RECORDED 11/23/11 AT W.R.D. IN PLAN BK 891, PLAN 74, HAS BEEN REMOVED AS IT WAS 1. NEVER RECORDED; AND 2. EXTINGUISHED HAVING BEEN ABANDONED DUE TO OVER 50 YEARS OF NON-USE.

THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTER OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.



REV.	DESCRIPTION	DATE
6	04/12 & 04/14 DPRS MEMOS	04/18/22
5	03/28/22 DPRS MEMO	03/28/22
4	11/30/21 DPRS MEMO	02/01/22
3	11/17/20 O.O.C.	02/01/22
2	DPRS MEMO	11/19/21
1	DPRS MEMO	9/28/21

hs&t group, inc.
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**GRADING AND EROSION CONTROL PLAN 1
 LOTS 88-96
 ARBORETUM WORCESTER, MA**

APPLICANT(S)/OWNER(S):
 ARBORETUM VILLAGE, LLC
 31 GALLAIR CIRCLE HOLDEN, MA 01520

DATE: 11-05-20 COMP'D: PJB FIELD: DJT, PS
 SCALE: 1"=30' CAD: ZAC FLD. BK:
 ZONE: RL-7 REV'D: HH DWG: BITTER-RIGHT

JOB NUMBER: 3088 SHEET NUMBER
 DWG NUMBER: 4729 7 of 9



PROPOSED 4' HIGH BLACK VINYL COATED CHAIN LINK FENCE ON TOP OF ALL WALLS OVER 4' IN HEIGHT TO ACT AS FALL PROTECTION (TYP)

STRAW WATTLES TO BE INSTALLED EVERY 20-30 FEET AS CONSTRUCTION OF THE SLOPE TAKES PLACE. LOCATIONS TO BE DETERMINED IN THE FIELD BEFORE CONSTRUCTION TAKES PLACE. PLACEMENT IS PER THE DETAIL SPECIFICATIONS ON SHEET 8.

PROPOSED SILT FENCE WITH DOUBLE STAKED HAYBALES ALSO ACTS AS LIMIT OF WORK

PROPOSED SILT FENCE WITH DOUBLE STAKED HAYBALES

ALL AREAS WITH SLOPES 2.5:1 OR GREATER SHALL BE STABILIZED WITH LOAM, SEED AND DOUBLE NET STRAW EROSION CONTROL BLANKET (TYP)

PROPOSED RETAINING WALLS DESIGNED BY OTHERS (TYP) ANY PROPOSED DRAINAGE/WEEP HOLE LOCATIONS AND MEASURES TO ELIMINATE POTENTIAL SCOUR OR EROSION OR EVIDENCE OF CONNECTION TO CITY DRAINAGE SYSTEM TO BE INCLUDED IN RETAINING WALL DESIGN DESIGNED BY OTHERS (TYP)

PROPOSED SILT FENCE WITH HAYBALES TO SERVE AS LIMIT OF WORK (TYP)