

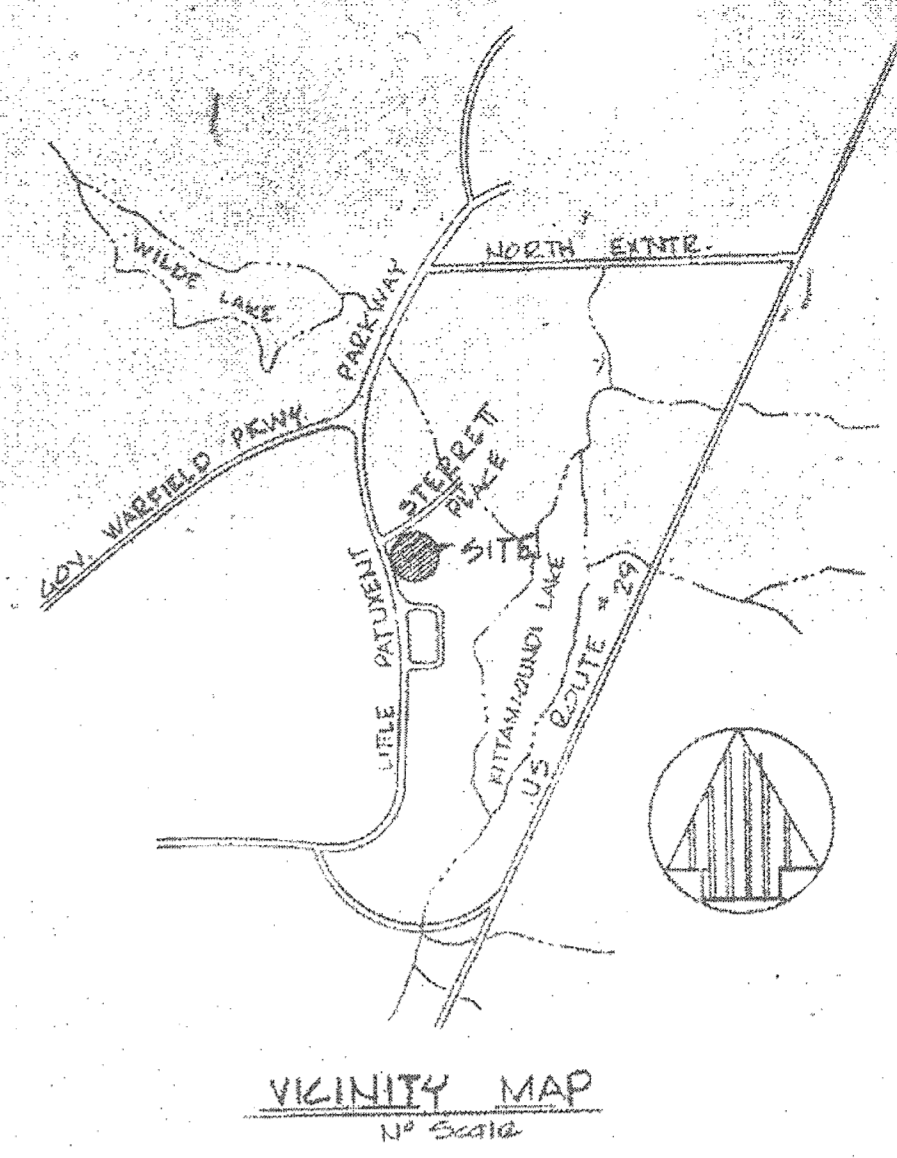
I HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.

Signature of Developer/Builder: *Walter Rowe SVP*
 DATE: 10-28-19

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Michael J. Tropp*
 DATE: 10/29/19
 Michael Tropp
 ENGINEER'S SIGNATURE
 PRINTED NAME
 MDEI (P.E.)
 MD REGISTRATION NO.

FOR REVISION #4
 PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 14911 EXPIRATION DATE: MAY 22, 2020



PROJECT NAME
 TOWN CENTER BUILDING "C" PARCEL "A"

OWNER
 HOWARD RESEARCH AND DEVELOPMENT CORP. (LIEBER 463 FOLIO 196)

SITE DATA
 5TH ELECTION DISTR.
 BOUNDARY SHOWN PER RECORDED PLAT COLUMBIA TOWN CENTER SEC. 7 AREA 6A RESUBDIVISION OF SEC. 7 AREA 3A4 SHT. 1 OF 1 DATED APRIL 2, 1971 RECORDED PLAT BOOK 21 FOLIO 56

ZONED: COMMERCIAL

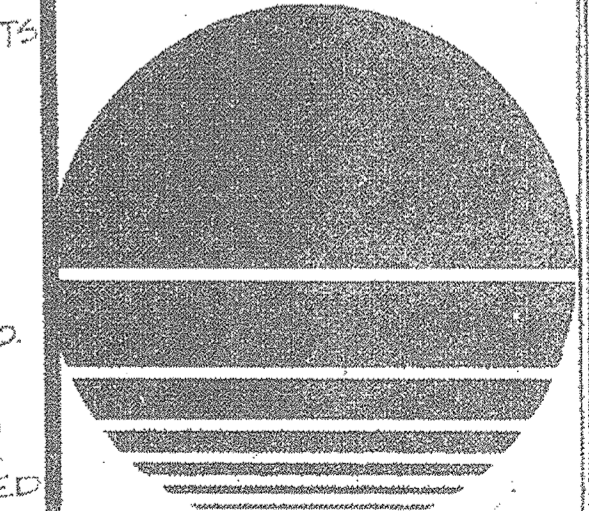
NO.	DATE	ITEM	REF.
1	10/21/19	TEAR DETAIL	
2	10/24/19	SIDWALK NOTE	
3	11/15/19	PHASING DELETED	
4	4/27/19	DEMO EX. BLDG. SLAB EX. UTIL., EX. WALKS	

DESIGNED BY: RTKL
 DRAWN BY: TC
 CHECKED BY: FJT
 APPROVED BY: EH

WHITING - TURNER AMERICA CITY - BLOC COLUMBIA, MD 21043

RTKL INC. 806 CATHEDRAL ST BALTIMORE, MD 21201

Office Building C



SEDIMENT CONTROL PLAN

JOB NO.	72084
SCALE	1"=20'
DATE	10/21/19
LAST REV	10/24/19

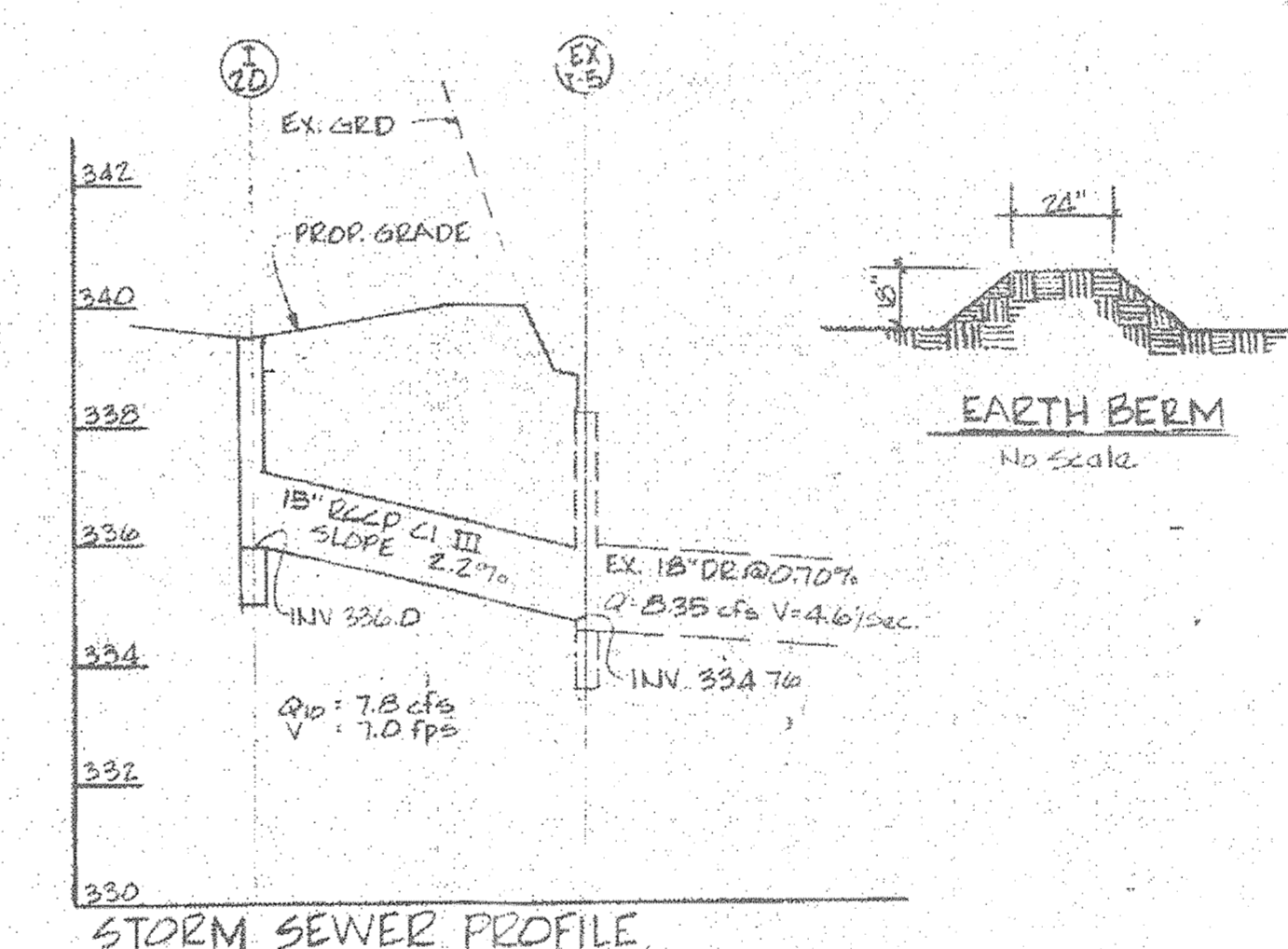
SI-2

GENERAL NOTES

- SITE DEVELOPMENT PLANS INCLUDE THE ROUGH SITE GRADING, SEDIMENT CONTROL, PAVEMENT, WALKWAYS, LANDSCAPING, LIGHTING, SIGNS, FENCES, WALLS AND ON-SITE UTILITIES.
- NO ROAD ADJUSTMENTS ARE INVOLVED IN THIS PHASE.
- SITE INFORMATION IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY ME, HUPKINS AND ASSOC., DATED SEPT 14, 1972 OF PARCEL A16 TOWN CENTER COLUMBIA, MARYLAND.
- CONTRACT LIMIT IS BOUNDED BY SOUTHERN PROPERTY LINE, WESTERN PROPERTY LINE, SOUTH CURB LINE OF STERRETT PLACE AND WEST CURB LINE OF THE PARKING LOT TO THE EAST OF THE SITE.
- PROPOSED BUILDING TO EMPLOY 950 OFFICE PERSONNEL.
- FLOOR AREAS CROSS
 GROUND FL. - 17,848 sq ft
 2ND TO 5TH FL. - 23,716 sq ft ea. fl.
 PENTHOUSE - 3,200 sq ft
 TOTAL - 44,764 sq ft (97.17% NET LEASEABLE AREA)
- 50 YEAR FLOOD PLAIN, SEE PLAN 51-6.
- 196 PARKING SPACES ARE REQUIRED FOR THIS BUILDING. PARKING WILL BE PROVIDED ON A NEW LOT TO THE EAST OF THE SITE. PLANS FOR THIS SITE ARE ENTITLED DWG. #3350 TOWN CENTER COLUMBIA MARYLAND.

STORM DRAINAGE NOTES

- EXISTING STORM DRAINAGE DESIGN IS SHOWN ON PLAN ENTITLED "PARKING LOT AND COLUMBIA INN" STORM DRAINAGE AND DRAINAGE AREA, TOWN CENTER, SECTION 7 AREAS 1 & 4 DATED 1-11-71. SITE DRAINAGE AREAS ARE LABELED E & F.
 - RUNOFF AT INLET I-20 DURING CONSTRUCTION PERIOD
 AREA - 1.6 ACRES C.O.B. @ 1.5 MIN. = 7.0 CFS
 RUNOFF 7.8 CFS
 ULTIMATE (ADDITIONAL SMALL SURFACE DRAINS WILL CONNECT TO I-20)
 AREA - 14 ACRES C.O.B. @ 1.5 MIN. = 7.0 CFS
 RUNOFF 7.8 CFS
 DESIGN FLOW 7.8 CFS
 - PIPE REQUIREMENTS
 MINIMUM REQUIRED: 15" PIPE @ 1.6%
 PROVIDED: 15" PIPE @ 2.2%
 - ALL STRUCTURES TO BE HOWARD COUNTY STANDARDS.
 - CONTRACTOR TO CONFIRM ELEVATIONS OF EXIST INVERTS BEFORE BEGINNING WORK.
- SEDIMENT CONTROL NOTES
- INSTALL I-20 AND CONNECTING PIPE IMMEDIATELY TO PROVIDE SILT TRAP AREAS.
 - STRAW BALES AND EARTH BERM SHALL BE INSTALLED PRIOR TO OTHER SITE GRADING.
 - NO TEMPORARY SEDIMENT CONTROL STRUCTURE MAY BE REMOVED OR DESTROYED WITHOUT APPROVAL OF HOWARD CO. SOIL CONSERVATION DISTRICT.
 - ENTIRE AREA TO BE SEEDED IMMEDIATELY AFTER GRADING OPERATIONS WITH SHORT TERM GROUND COVER CONSISTING OF ANNUAL RYE GRASS AT THE RATE OF 1500# ACRE. SEED SHALL BE UNIFORMITY APPLIED WITH 2" GELONE SEEDER DRILL CULTIVATOR SEEDER OR HYPER-SEEDER SURFACE PREPARATION TO INCLUDE 2000# ACRE OF PULVERIZED DOLOMITIC LIMESTONE AND 800# ACRE OF 10-10-10 OR EQUIVALENT FERTILIZER. STRAW PREFERABLY WHEAT, MULCH SHALL BE APPLIED AT THE RATE OF 4000# ACRE.
 - EXCESS EXCAVATION FROM THIS SITE WILL BE USED AS FILL MATERIAL FOR THE CONSTRUCTION OF A NEW PARKING LOT TO THE EAST OF THIS SITE. PLANS, INCLUDING SEDIMENT AND EROSION CONTROL FOR THIS WORK ARE ENTITLED DWG. #3350 TOWN CENTER COLUMBIA MARYLAND.
 - AFTER INITIAL ESTABLISHMENT OF GRASS A FINAL SILT TRAP SHALL BE INSTALLED AT I-20. STRAW BALE SEDIMENT BARRIERS AND EARTH BERM MAY BE REMOVED AT THIS TIME.



CERTIFICATION NOTES

ENGINEER
 I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR CONTROL OF SILT AND EROSION MEETS THE REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *Michael J. Tropp* DATE: 10-29-19

DEVELOPER
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF AND SEDIMENT CONTROL.
 Signature: *Howard Research & Developer Corp.* DATE: 11-17-19

TOTAL IMPERVIOUS AREA REMOVED = 28,395 SF OR 0.65 AC.

NOTE: EXISTING WATER METER HAS BEEN REMOVED BY HOWARD COUNTY BUREAU OF UTILITIES.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE

CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *Gregory* DATE: 11-21-19
 Chief, Division of Land Development: *Kevin* DATE: 11-13-19
 Chief, Development Engineering Division: *Paul* DATE: 11-13-19

ADDRESS CHART	5565 STERRETT PLACE
STERRETT BUILDING	

LEGEND
 LOD - LIMIT OF DISTURBANCE FOR DEMOLITION
 SSF - PROPOSED SUPER SILT FENCE
 SCE - STABILIZED CONSTRUCTION ENTRANCE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE

CHIEF, BUREAU OF HIGHWAYS DATE

