

GENERAL NOTES

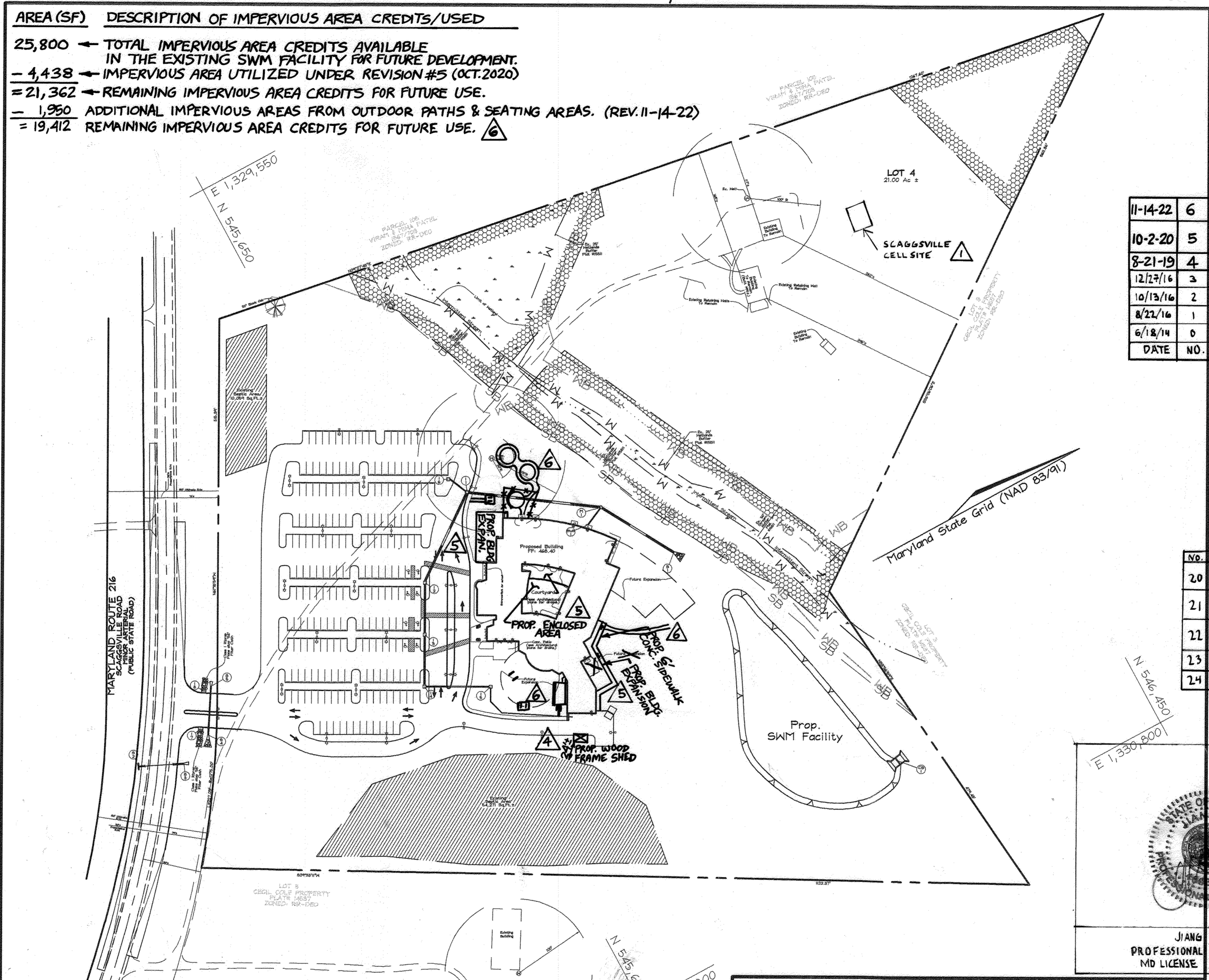
- Property is not within the Metropolitan District.
- Private water and sewer will be used within this site.
- The Contractor shall notify the following utility companies or agencies at least five(5) working days before starting work shown on these plans:
 - State Highway Administration 410.531.5533
 - BGE(Contractor Services) 410.550.4620
 - BGE(Underground Damage Control) 410.181.9068
 - Miss Utility 1.800.257.7777
 - Colonial Pipeline Company 410.746.1930
 - Howard County Department of Public Works, Bureau of Utilities 410.315.4900
 - Howard County Health Department 410.315.2640
 - AT&T 1.800.252.1133
 - Verizon 1.800.743.0033/410.224.9210
- The contractor shall notify Miss Utility at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
- The contractor shall notify the Department of Public Works/Bureau of Engineering Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to the start of work.
- The lot shown hereon complies with the minimum ownership, width and lot area as required by the Maryland State Department of the Environment.
- This project is in conformance with the latest Howard County Standards unless waivers have been approved.
- No clearing, grading or construction is permitted within wetlands, streams or their required buffers.
- This plan has been prepared in accordance with the provisions of section 16.124 of the Howard County code and Landscape Manual. Financial surety for the required landscaping shall be posted as part of the Developer's Agreement in the amount of \$34,650.00 for 71 shade trees and 89 evergreen trees.
- All curb and gutter to be Howard County Standard R-3.01 Curb and Gutter unless otherwise noted. See Detail Sheet 3 of 18.
- All paving to be P-1 unless otherwise noted. See Detail, Sheet 3 of 19 and 9 of 19.
- All proposed spot elevations along curb and gutter are to the flowline unless otherwise noted. This project complies with the requirements of section 16.1200 of the Howard County Code for Forest Conservation by setting 0.72 acres of afforestation within Forest Conservation Easement 1, planting 0.56 acres of afforestation and 0.42 acres of enhancement within Forest Conservation Easement 2 and planting 0.61 acres of afforestation and 0.54 acres of enhancement within Forest Conservation Easement 3. Total afforestation required = 2.85 ac. and \$57,891.00 surety posted with the Developer's Agreement.
- All construction shall be in accordance with the latest standards and specifications of Howard County in addition to MSHA standards and specifications if applicable.
- Contractor is responsible to construct all handicap ramps and handicap access in accordance with current ADA requirements. Handicap Ramps to conform to Howard County Standard Detail R.4.03.
- Any damage to public right-of ways, paving or existing utilities will be corrected at the contractor's expense.
- Existing utilities are located by the use of any or all of the following: Road Construction Plans, Field Surveys, Public Water and Sewer Plans and other available record drawings. Approximate location of the existing utilities are shown for the contractor's information. Contractor shall locate existing utilities well in advance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense.
- All reinforced concrete for storm drain structures shall have a minimum of twenty-eight (28) days strength at 3,500 psi. All Storm Drain pipe bedding shall be Class 'C'.
- All HDPE pipe specification and installation shall meet AASHTO M-252 Type S, M-294 Type S and ASTM D2321, respectively.
- Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer, Geotechnical Engineer to confirm acceptability of proposed paving section, based on soil test, prior to construction.
- All traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
- Traffic control devices, markings and signage shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any paving.
- Estimates of Earthwork quantities are provided solely for the purpose of calculating fees.
- The topography shown hereon is based on an aerial photogrammetric mapping performed by Harford Aerial Surveys, Inc. on August 08, 2000. The project boundary is based on a field run Boundary Survey performed by Hudkins Associates, Inc. in 1981. The coordinates shown hereon are based on the Howard County Geodetic Control, which is based upon the Maryland State Plane Coordinate System. Howard County monument numbers 40FA and 40FB were used for this project.
- Geotechnical report provided by Herbst/Benson & Associates on September 11, 2000.
- Traffic study provided by The Traffic Group, Inc. on September 24, 2002.
- A noise study is not required for this project due to Non-Residential use.
- There are no known cemeteries or burial grounds located on this site.
- The proposed Stormwater Management facility will be privately owned and maintained.
- This area designates a private sewage disposal easement as required by the Maryland State Department of the Environment for Individual Sewage Disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement. Recordation of a modified sewage easement is not necessary. The 10,000sqft sewage disposal area, at the southwest corner of Lot 4, is reserved for use of the single-family dwelling.
- Stormwater Management is provided via a Micro-Pool Extended Detention facility for both water quality and quantity. The SWM Facility classification is Hazard Class 'A'.
- All exterior light fixtures shall be oriented to direct light upwards and downwards on-site away from all adjoining residential properties and public roads in accordance with section 134 of the Howard County Zoning Regulations. Parking lot lights shall be full cutoff, 175W metal halide mounted on 15 foot tall dark bronze poles. Wall mounted lights to be metal halide or fluorescent downlights. See Architectural plans for more details.
- For bearings and distances of Forest Conservation Easements and Wetland Limits see Record Plat #15811 recorded in the Land Records of Howard County.
- This project is subject to the Fifth Edition of the Subdivision and Land Development Regulations.
- This Site Development Plan is for Phase I improvements only. Phase II and any other future improvements will require a revision to this plan or a new Site Development Plan.
- Stormwater Management is provided for all development under this contract and for the future parking and building expansions shown on the SWM report maps. If future development occurs beyond the future expansions shown, SWM based on requirements at time of submittal, will be required.
- Groundwater Appropriation Permit #H02002G01(01)
- Maximum Daily Design Flow for the final phase may lead to 5,000gpd. Initial Daily Design Flow of this septic system design for Phase I is 1,500gpd (within the approved septic disposal area located along the easternmost property boundary). Applicant is aware that if and when the flow approach, equal or exceed 5,000gpd (during the second or third phase), concurrent review of the septic design must be performed by the Maryland Department of the Environment.
- This plan is subject to Waiver WP-01-07 from Section 16.119.(f).(3) to allow a single use driveway access onto Maryland Route 216 approved by the Planning Director on August 17, 2000.
- This Site Development plan is Case #RR-72E approved on August 24, 2000 and amended on October 3, 2000, pursuant to sections 131.N.17 specific to Child Daycare Centers, 131.N.45 specific for religious activities and 131.N.54 specific for private academic schools, and the following conditions:
 - This special exception shall apply only to the approved religious facility, private school and nursery school as described in the petition and exhibit submitted on April 20, 2000.
 - Parking lot area shall be screened and buffered using landscaping alone or in combination with berms along the west, east and south sides of the parking area.
 - Outdoor lighting shall be in accordance with Section 134 of the Zoning Regulations.
 - Plan Phasing: Phase I-construction to commence within 4 years of the date of decision. Phase II-construction to commence within 14 years of the date of this decision. Phase III-construction to commence within 24 years of the date of this decision.
- Petitioner shall comply with all applicable Federal, State and Local laws and regulations.
- The contractor to provide water line from well location(s) to within five (5) feet of building at the Water Room.
- An inspection by the Health Department of the tank excavations is required prior to installation of the grease trap, septic tank and septic tank/pump chamber. This is required because of the concerns about seasonal high water table in the locations of the tanks. All tanks must be watertight.
- The trench lengths shown are more or less of equal length so as to provide for better equalization/distribution of septic effluent.
- FINANCIAL SURETY FOR THE REQUIRED TELECOMMUNICATIONS FACILITY LANDSCAPING SHALL BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$1,500 PER 10 SQ FT OF GRADING.
- THE TELECOMMUNICATIONS FACILITY WAS APPROVED AS A CONDITIONAL USE.
- THIS DEVELOPMENT PLAN IS SUBJECT TO BA CASE #14-005 APPROVED ON MARCH 3 2016 PURSUANT TO SECTION 131.D.N.14 OF THE HOWARD COUNTY ZONING REGULATIONS AND THE FOLLOWING CONDITIONS: (1) THE CONDITIONAL USE SHALL BE CONDUCTED IN CONFORMANCE WITH AND SHALL APPLY ONLY TO THE PROPOSED 160 FOOT TALL COMMUNICATIONS TOWER WITH EQUIPMENT COMPOUND AS DESCRIBED IN THE PETITION AND AS DEPICED ON THE AMENDED CONDITIONAL USE PLAN SUBMITTED TO THE BOARD ON OCT. 1 2015 AS PETITIONERS EXHIBIT NO. 38 AND NOT TO ANY OTHER ACTIVITIES USES OR STRUCTURES ON THE PROPERTY. (2) THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.

SITE DEVELOPMENT PLAN

TEMPLE ISAIAH

PHASE I

HOWARD COUNTY, MARYLAND



AREA (SF) DESCRIPTION OF IMPERVIOUS AREA CREDITS/USED

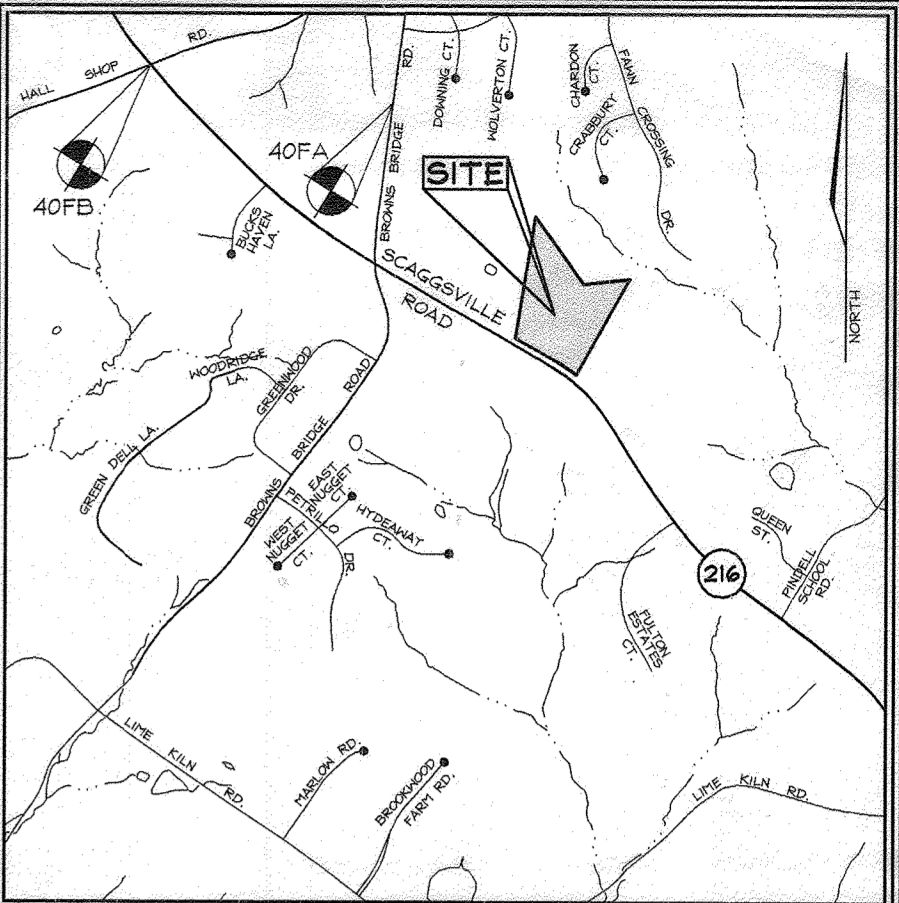
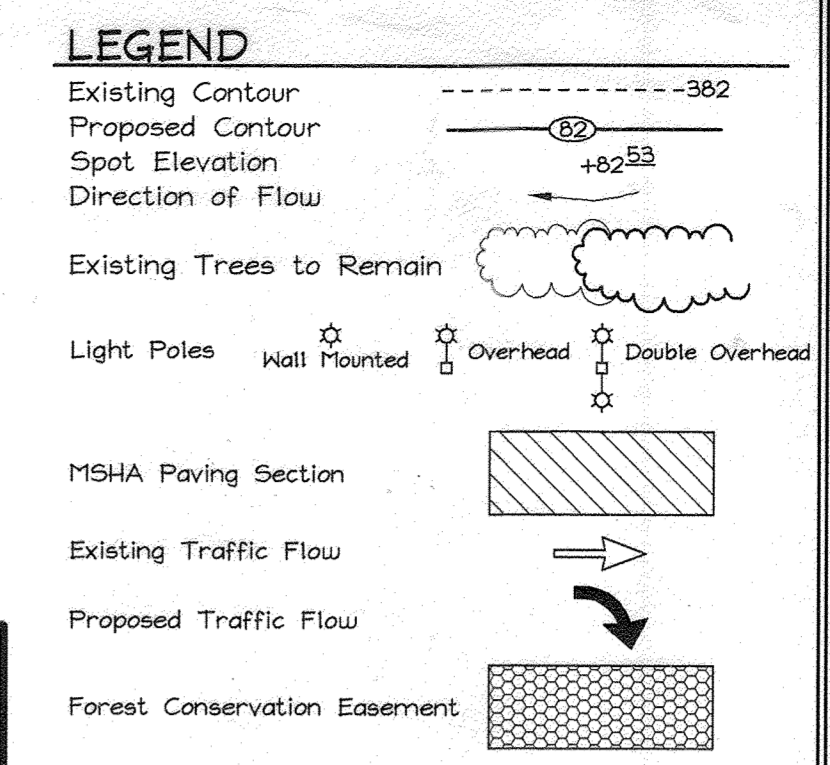
25,800 ← TOTAL IMPERVIOUS AREA CREDITS AVAILABLE IN THE EXISTING SWM FACILITY FOR FUTURE DEVELOPMENT.

4,438 ← IMPERVIOUS AREA UTILIZED UNDER REVISION #5 (OCT.2020)

21,362 ← REMAINING IMPERVIOUS AREA CREDITS FOR FUTURE USE.

1,950 ← ADDITIONAL IMPERVIOUS AREAS FROM OUTDOOR PATHS & SEATING AREAS. (REV.11-14-22)

19,412 ← REMAINING IMPERVIOUS AREA CREDITS FOR FUTURE USE.



ADDRESS CHART

LOT	STREET
4	12230 Scaggsville Road (Existing Residence)
4	12200 Scaggsville Road (Religious Facility)

AT&T CELL SITE ADDRESS:
12234 SCAGGSVILLE RD. FULTON MD 20794

BENCHMARKS

Howard County Monuments:

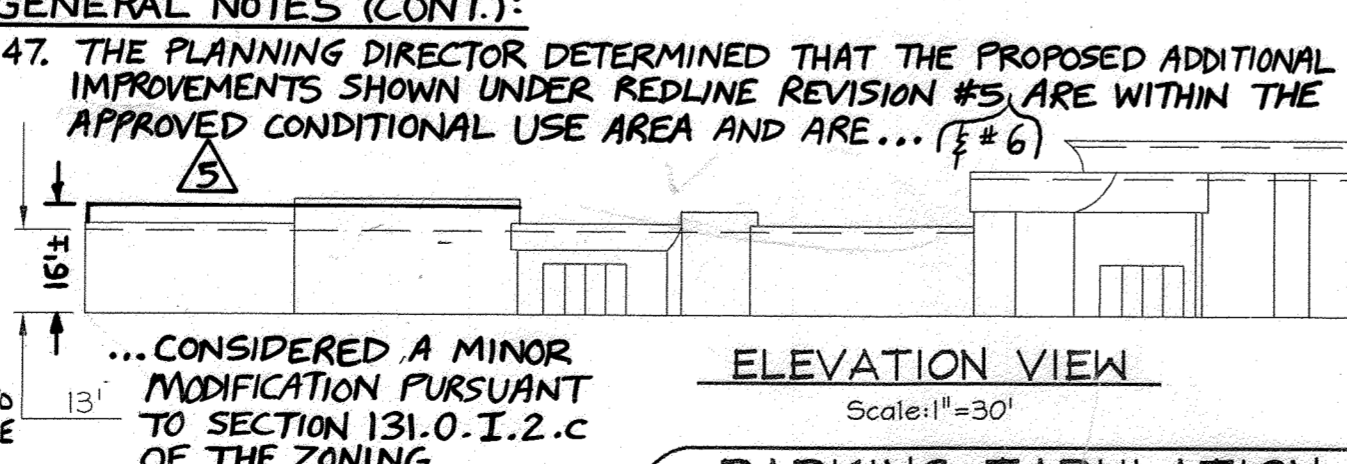
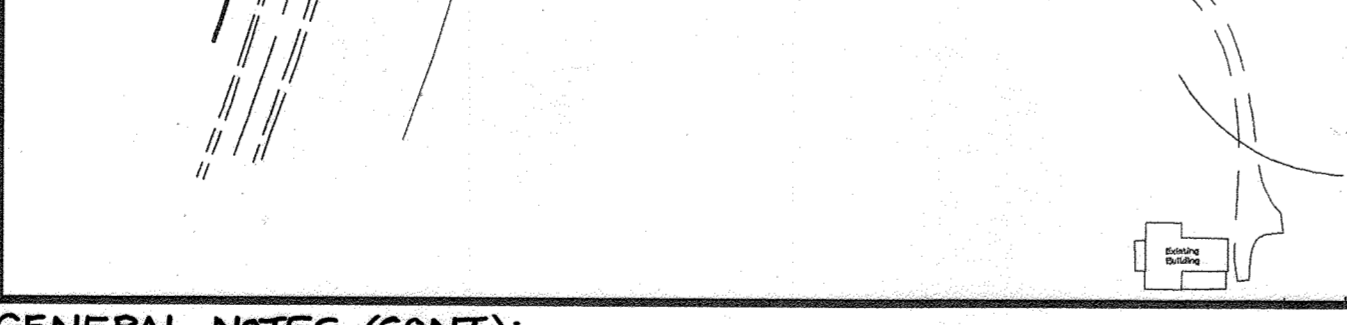
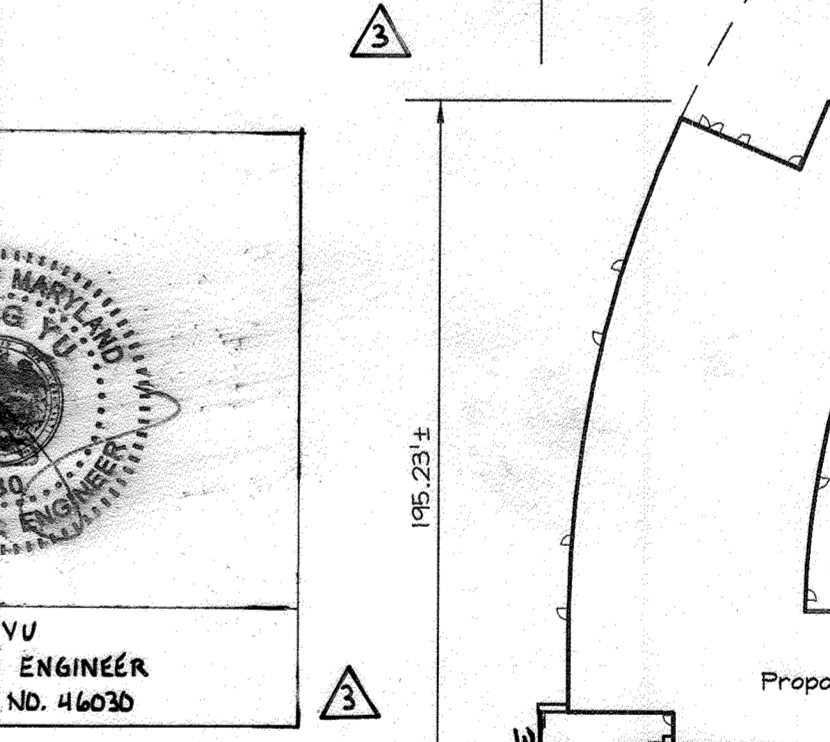
Sta.	North	East	Elevation (feet)
40FA	N 167,063.3222 E	404,903.6393	El.: 151.7277 (meters)
40FB	N 546,106.916 E	1,328,421.356	El.: 497.793 (feet)
	N 167,174.1067 E	404,165.8434	El.: 153.9607 (meters)
	N 546,470.381 E	1,326,000.771	El.: 505.119 (feet)

REVISION

DATE	NO.	REVISION
11-14-22	6	ADDED OUTDOOR PATHS AND SEATING AREAS.
10-2-20	5	ADDED BLDG. EXPN. & ENCLOSED AREA.
8-21-19	4	ADDED WOODEN SHED.
12/27/16	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/21/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

SHEET INDEX

NO.	DESCRIPTION	SHEET No.
1	Cover Sheet	1 of 24
2	Site Development and Grading Plan	2 of 24
3	Site Development and Grading Plan	3 of 24
4	Site Development and Grading Plan	4 of 24
5	Sediment and Erosion Control Plan	5 of 24
6	Sediment and Erosion Control Plan	6 of 24
7	Sediment and Erosion Control Plan	7 of 24
8	Sediment and Erosion Control Details	8 of 24
9	Maryland Route 216 Improvements	9 of 24
10	Storm Drainage Drainage Area Map	10 of 24
11	Storm Drain Profiles, SWM Facility Landscaping and Site Details	11 of 24
12	Stormwater Management Notes and Details	12 of 24
13	Landscape Plan	13 of 24
14	Sewer Details	14 of 24
15	Sewer Profile and Details	15 of 24
16	Forest Conservation Plan Notes and Details	16 of 24
17	Forest Conservation Plan	17 of 24
18	Forest Conservation Plan	18 of 24
19	Forest Conservation Plan	19 of 24



SITE ANALYSIS DATA CHART

- Total project area: 21.0 Acres
- Area of plan submission: 21.15 Acres
- Limit of disturbed area: 9.90 Acres
- Present zoning: "RR-DEO" per 10/18/93 Comprehensive Zoning Plan.
- Proposed uses for site & structures: Religious facility, nursery school & religious school
- Floor space on each level of building(s) per use: See building footprint this sheet.
- Building coverage of site:
 - Maximum allowed for Religious facility per the Zoning Regulations: 25% of site or 5.25 acres
 - Existing Buildings to remain: 0.04 acres
 - Proposed Buildings: 0.76 acres
 - Total: 0.80 acres or 3.8%
- DPZ file references: Plat #14537; Plat #15811; SHA Plat #3794; BA 99-72E; WP 01-07; F-81-126; F-01-54
- Number of parking spaces required: 149 spaces (see Parking Tabulation below).
- Total number of parking spaces provided: 222
- Total required Handicap parking spaces: 7 spaces; including 1 van accessible spaces
- Total provided Handicap parking spaces: 8 spaces; including 2 van accessible spaces
- TELECOMMUNICATIONS COMPOUND: 750 SQ FT (1 PARKING SPACE)

PARKING TABULATION

Area	Religious Facility	Nursery School	Religious School
Students	17,443 SF	7,675sf	7,665 SF
Required	1 space for every 3 seats = 250 seats = 84 spaces	3 space for every 1,000sf = 7,675sf = 23 spaces	1 space for every 6 students = 250 students = 42 spaces
Provided	Total Req'd = 84 + 23 + 42 = 149 spaces*		
	Total parking spaces provided = 222 spaces*		

PERMIT INFORMATION CHART

Subdivision Name: Cecil Cole Property	Section/Area: N/A	Lot/Parcel No.: 4
Plat # 24116-17	Grid: 18 x 13	Zoning: RR-DEO
Water Code: Private Water	Tax Map No.: 40 # 41	Elect. District: 5th
	Census Tract: 6051.02	

OWNER/DEVELOPER

TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

COVER SHEET

TEMPLE ISAIAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 # 41 BLOCK 18 # 13 PARCEL 2
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

LOT 4

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZYF
SCALE: 1"=30'
DATE: March 04, 2009
N.O. No.: 3002
SHEET No.: 1 of 24

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION: *[Signature]* 3/1/03
CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* 3/17/03
DIRECTOR: *[Signature]* 3/17/03

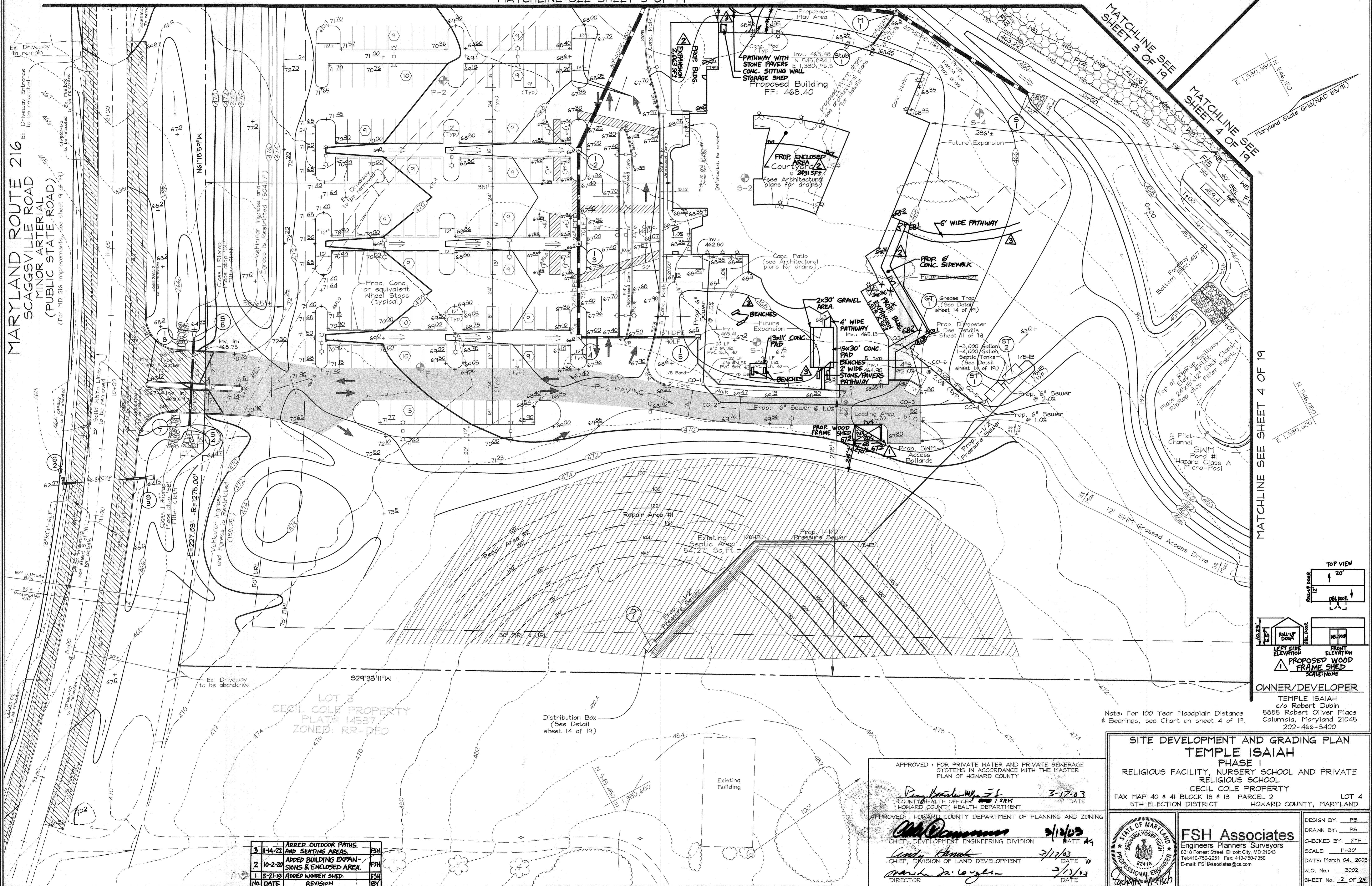
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

DEWBERRY CONSULTANTS LLC
3100 LORD BALTIMORE DRIVE
SUIT 110
BALTIMORE, MARYLAND 21286
PHONE: 410.546.1400
FAX: 410.546.9874

3-17-03

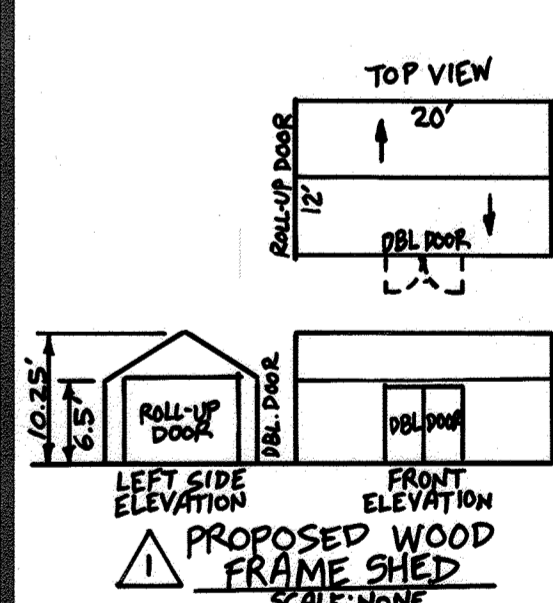
...CONSIDERED A MINOR MODIFICATION PURSUANT TO SECTION 131-0-1.2.C OF THE ZONING REGULATIONS.

MARYLAND ROUTE 216
SCAGGSVILLE ROAD
MINOR ARTERIAL
(PUBLIC STATE ROAD)
(For MD 216 Improvements, see sheet 9 of 19)



MATCHLINE SEE SHEET 3 OF 19
MATCHLINE SEE SHEET 4 OF 19
MATCHLINE SEE SHEET 4 OF 19

LOT 3
CECIL COLE PROPERTY
PLAT # 14537
ZONED: RR-DEO



OWNER/DEVELOPER
TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

Note: For 100 Year Floodplain Distance & Bearings, see Chart on sheet 4 of 19.

NO.	DATE	REVISION	BY
3	11-14-22	ADDED OUTDOOR PATHS AND SEATING AREAS.	FSH
2	10-2-20	ADDED BUILDING EXPANSIONS & ENCLOSED AREA.	FSH
1	8-21-19	ADDED WOODEN SHED.	FSH

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

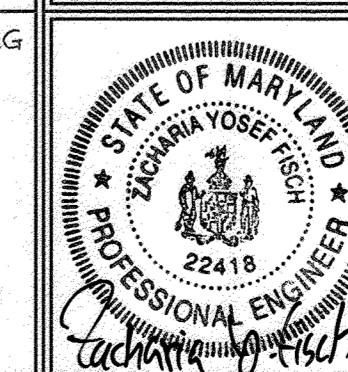
Dany Breakey, M.D., F.P.H.
COUNTY HEALTH OFFICER / SRK
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 3-12-03

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chad Kinnick
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 3/12/03

Mark J. Leavelle
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 3/12/03

Mark J. Leavelle
DIRECTOR
DATE: 3/12/03

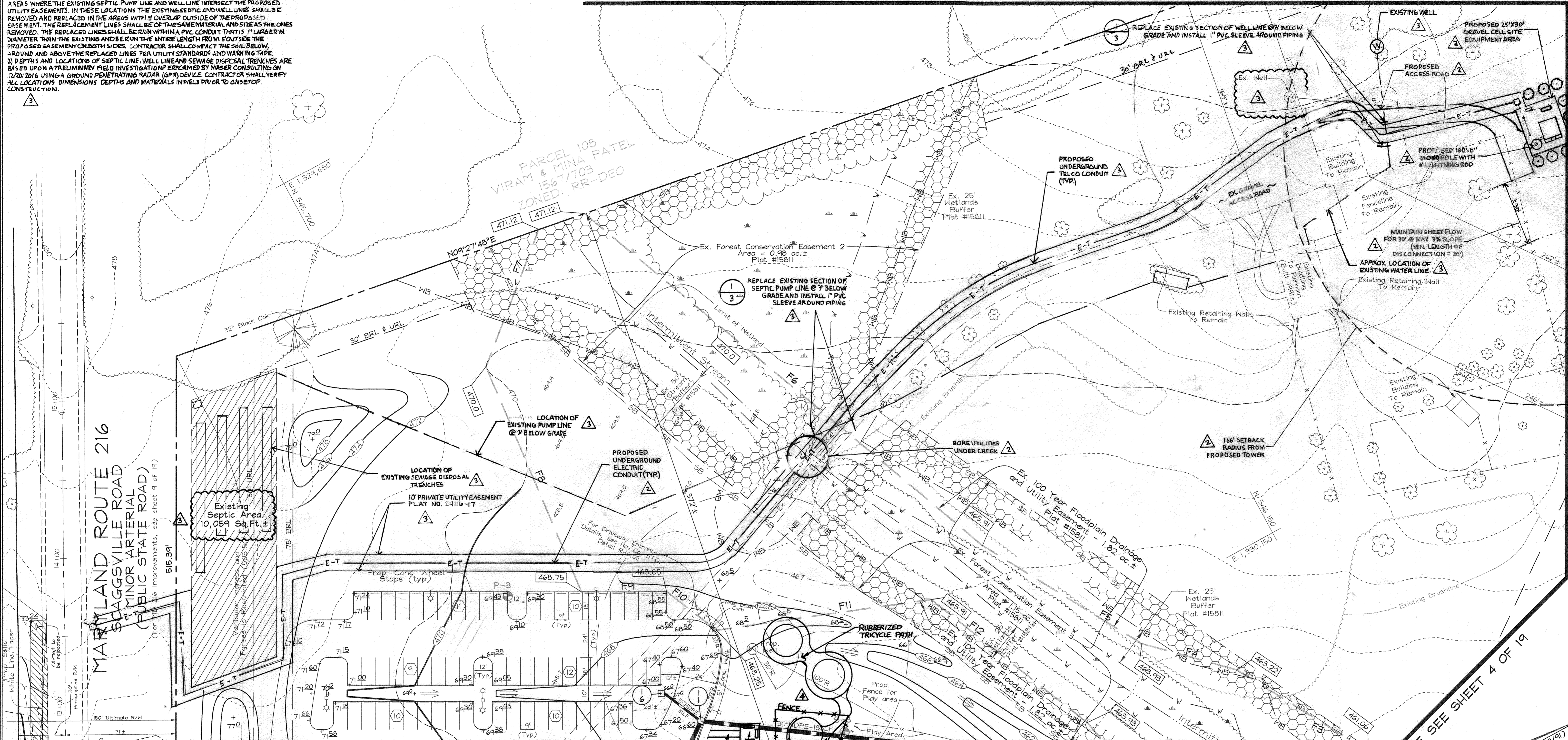


FSH Associates
Engineers Planners Surveyors
8318 Forrest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZTF
SCALE: 1"=30'
DATE: March 04, 2003
W.O. No.: 3002
SHEET No.: 2 OF 24

NOTES:
 1) THE CONTRACTOR SHALL USE THE FLAGGING SUPPLIED BY THE SURVEYOR TO LOCATE THE AREAS WHERE THE EXISTING SEPTIC PUMP LINE AND WELL LINE INTERSECT THE PROPOSED UTILITY EASEMENTS. IN THESE LOCATIONS THE EXISTING SEPTIC AND WELL LINES SHALL BE REMOVED AND REPLACED IN THE AREAS WITH OVERLAP OUTSIDE OF THE PROPOSED EASEMENT. THE REPLACEMENT LINES SHALL BE OF THE SAME MATERIAL AND SIZE AS THE ONES REMOVED. THE REPLACEMENT LINES SHALL BE RUN WITHIN A PVC CONDUIT THAT IS 1" LARGER IN DIAMETER THAN THE EXISTING AND BE RUN THE ENTIRE LENGTH FROM INSIDE THE PROPOSED EASEMENT ON BOTH SIDES. CONTRACTOR SHALL CONTACT THE SOIL BELOW, AROUND AND ABOVE THE REPLACED LINES PER UTILITY STANDARDS AND WARNING TAPE.
 2) DEPTHS AND LOCATIONS OF SEPTIC LINE, WELL LINE AND SEWAGE DISPOSAL TRENCHES ARE BASED UPON A PRELIMINARY FIELD INVESTIGATION PERFORMED BY MASER CONSULTING ON 12/20/16 USING A GROUND PENETRATING RADAR (GPR) DEVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, DEPTHS AND MATERIALS IN FIELD PRIOR TO ONSET OF CONSTRUCTION.

MATCHLINE SEE SHEET 4 OF 19

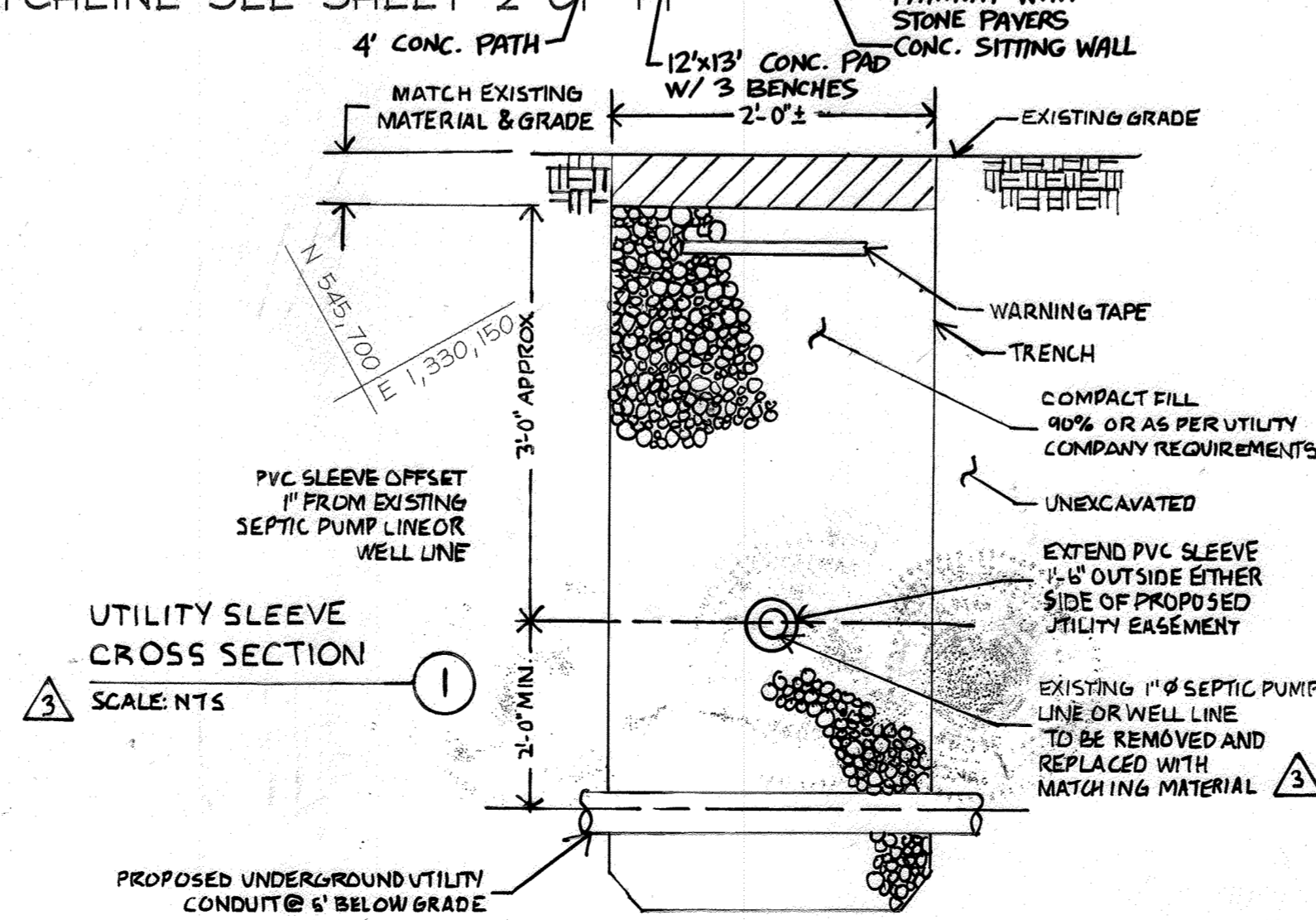
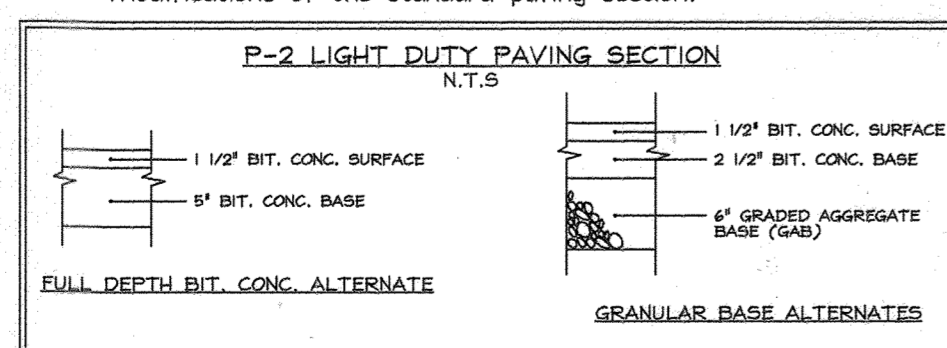
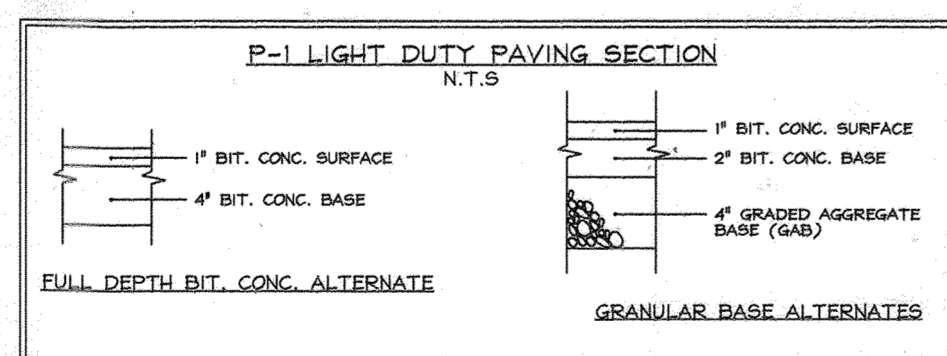
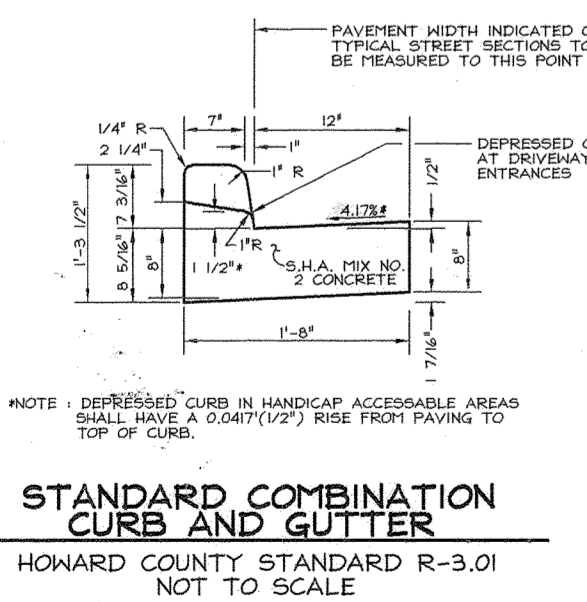


MATCHLINE SEE SHEET 4 OF 19

MARYLAND ROUTE 216
 SCAGGSVILLE ROAD
 MINOR ARTERIAL
 (PUBLIC STATE ROAD)

MATCHLINE SEE SHEET 2 OF 19

MATCHLINE SEE SHEET 4 OF 19



DEWBERG CONSULTANTS LLC
 3106 LORD BALTIMORE DRIVE
 SUITE 110
 BALTIMORE MD 21144
 PHONE: 410.165.9500 FAX: 410.265.8875

DATE	NO.	REVISION
11-14-22	4	ADDED PATHS & SENT AHEAD
12/23/16	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/2/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

SITE DEVELOPMENT AND GRADING PLAN
TEMPLE ISAIAH
 PHASE I
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@ca.com

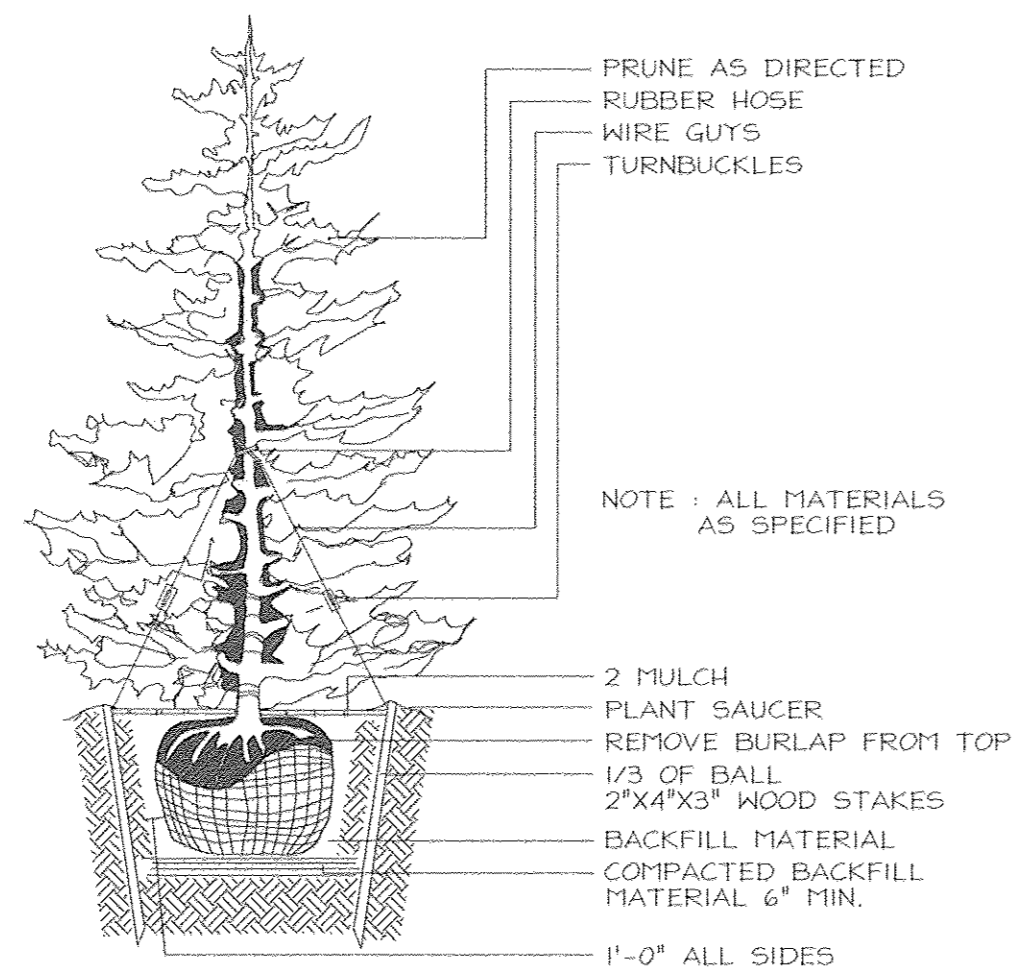
DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: ZYF
 SCALE: 1"=30'
 DATE: March 04, 2023
 W.O. No.: 3002
 SHEET No.: 3 of 24
 SDP-02-155

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 2/12/23 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 3/17/23 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 3/17/23 DATE
 DIRECTOR

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 [Signature] 3-17-23 DATE
 COUNTY HEALTH OFFICER / SRK
 HOWARD COUNTY HEALTH DEPARTMENT

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 JIANG YU
 22418
 MD LICENSE NO. 46030

Note: For 100 Year Floodplain Distance & Bearings, see Chart on sheet 4 of 19.



TYPICAL EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

MATCHLINE SEE THIS SHEET

MATCHLINE SEE SHEET 3 OF 19

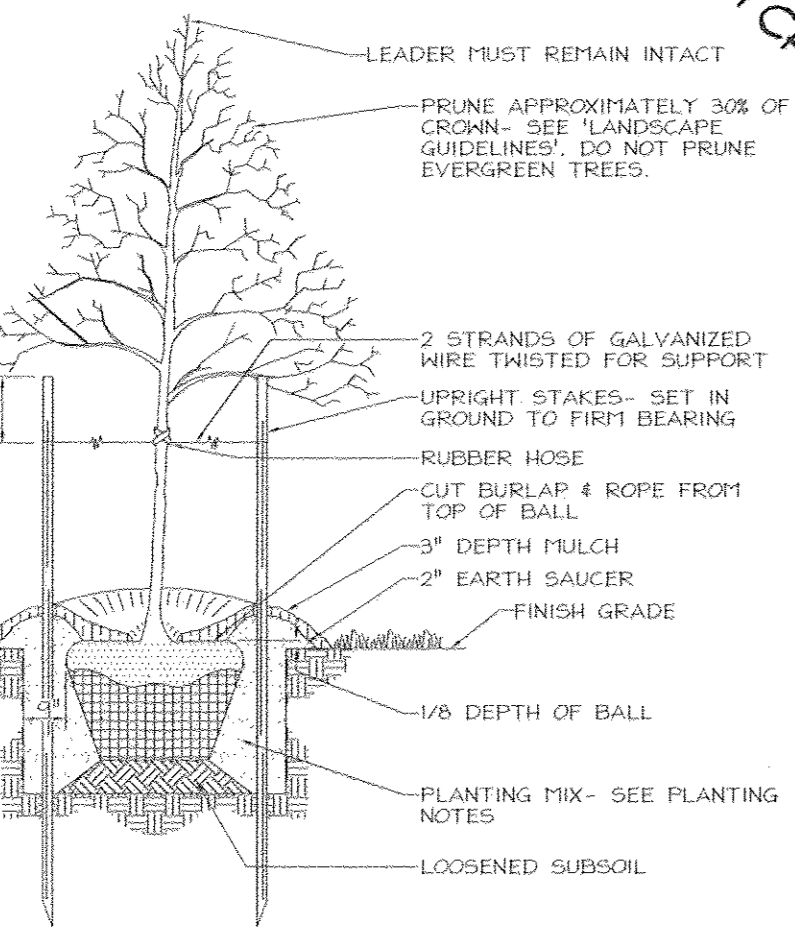
MATCHLINE SEE SHEET 3 OF 19

MATCHLINE SEE SHEET 3 OF 19

MATCHLINE SEE THIS SHEET

NOTES

- SEE "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" FOR ALL MATERIAL, PRODUCT, AND PROCEDURE SPECIFICATIONS.
- SEE "LANDSCAPE GUIDELINES" FOR SUPPORTING TREES LARGER THAN 2-1/2" CALIPER.
- PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.
- KEEP MULCH 1" FROM TRUNK.
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.
- TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWAGE EASEMENT.



TYPICAL TREE PLANTING AND STAKING
DECIDUOUS TREES UP TO 2-1/2" CALIPER
NOT TO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chad Dammann 3/12/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Clive Hantz 3/17/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Barth D. Lyle 3/17/03
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Denny Bronte M.D. Sr. 3-17-03
COUNTY HEALTH OFFICER / SRK DATE
HOWARD COUNTY HEALTH DEPARTMENT

SEAL:

JIANG YU
PROFESSIONAL ENGINEER
MD LICENSE NO. 46030

DATE	NO.	REVISION
12/27/16	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/21/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

DEWBERRY CONSULTANTS LLC
3106 LORD BALTIMORE DRIVE
SUITE 110
BALTIMORE MD 21244
PHONE: 410.265.4900 FAX: 410.265.8875

LINE	BEARING	DISTANCE
F1	N86°53'05"W	18.56
F2	S67°56'17"W	98.62
F3	S60°21'20"W	98.06
F4	S44°00'18"W	63.31
F5	S42°03'07"W	120.03
F6	S68°22'24"W	331.98
F7	S40°11'54"E	93.84
F8	S84°27'10"E	156.30
F9	N28°41'02"E	54.54
F10	N64°21'58"E	40.48
F11	N20°33'54"E	139.14
F12	N66°44'13"E	127.41
F13	N17°20'30"E	54.84
F14	N58°19'13"E	41.08
F15	N75°08'38"E	104.86
F16	N86°57'47"E	94.31
F17	N88°44'16"E	24.22

OWNER/DEVELOPER
TEMPLE ISAIAH
c/o Robert Oliver
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

SITE DEVELOPMENT AND GRADING PLAN
TEMPLE ISAIAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 # 41 BLOCK 18 # 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

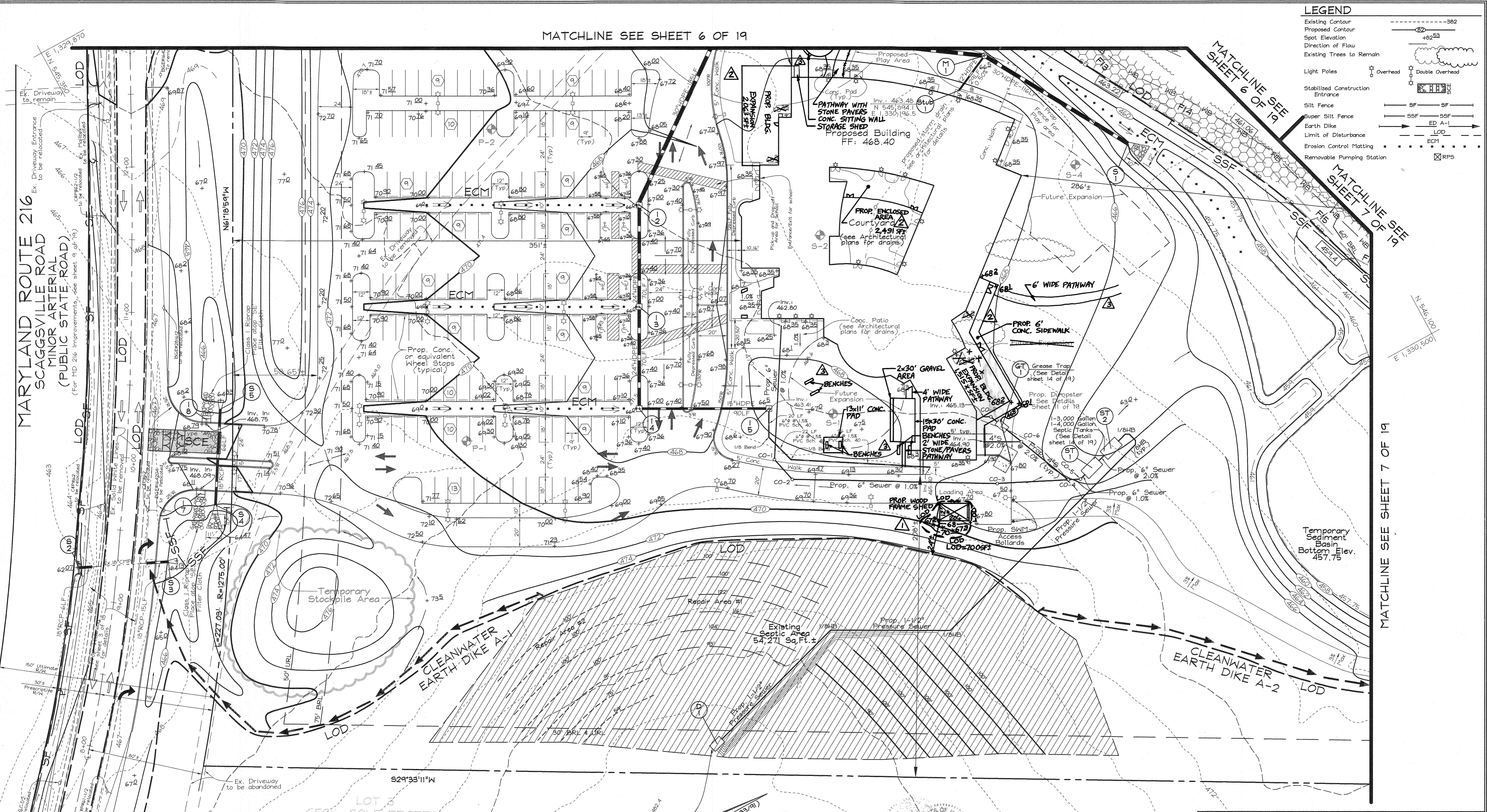
STATE OF MARYLAND
LICHENIA YOSEF
PROFESSIONAL ENGINEER
22416

FSH Associates
Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZYF
SCALE: 1"=30'
DATE: March 04, 2003
N.O. No.: 3002
SHEET No.: 4 OF 24

LEGEND

- Existing Contour: ---382---
- Proposed Contour: ---+82---
- Spot Elevation: +82.53
- Direction of Flow: (Symbol)
- Existing Trees to Remain: (Symbol)
- Light Poles: Overhead, Double Overhead
- Stabilized Construction Entrance: (Symbol)
- Silt Fence: SF, SSF
- Super Silt Fence: SSF
- Earth Dike: ED A-1, LOD
- Limit of Disturbance: LOD
- Erosion Control Matting: ECM
- Removable Pumping Station: RPS



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Denny Dantzler MD, PE
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION	BY
3	11-14-22	ADDED OUTDOOR PATHS AND SEATING AREAS.	FSH
2	10-2-20	ADDED BUILDING EXPANSIONS & ENCLOSED AREA.	FSH
1	8-21-19	ADDED WOODEN SHED.	FSH

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chad Dammann 3/14/03
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Condi Hernandez 3/17/03
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Mark A. Leyle 3/13/03
 DIRECTOR DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

Jim Meyer 3/11/03
 USDA/NATURAL RESOURCES CONSERVATION SERVICE DATE

John Robertson 3/11/03
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 HOWARD CD DATE

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Zacharia Y. Fisch 3-5-03
 SIGNATURE OF ENGINEER DATE
 ZACHARIA Y. FISCH

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

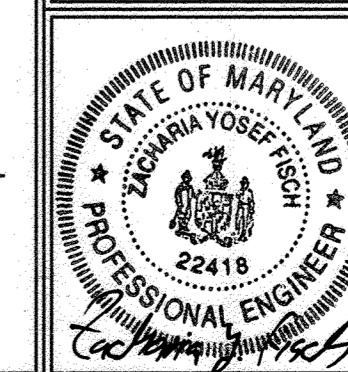
Lynn Abramson Lynn Abramson 3/5/03
 SIGNATURE OF DEVELOPER (President) DATE

Note: For 100 Year Floodplain Distance & Bearings, see Chart on sheet 4 of 19.

OWNER/DEVELOPER

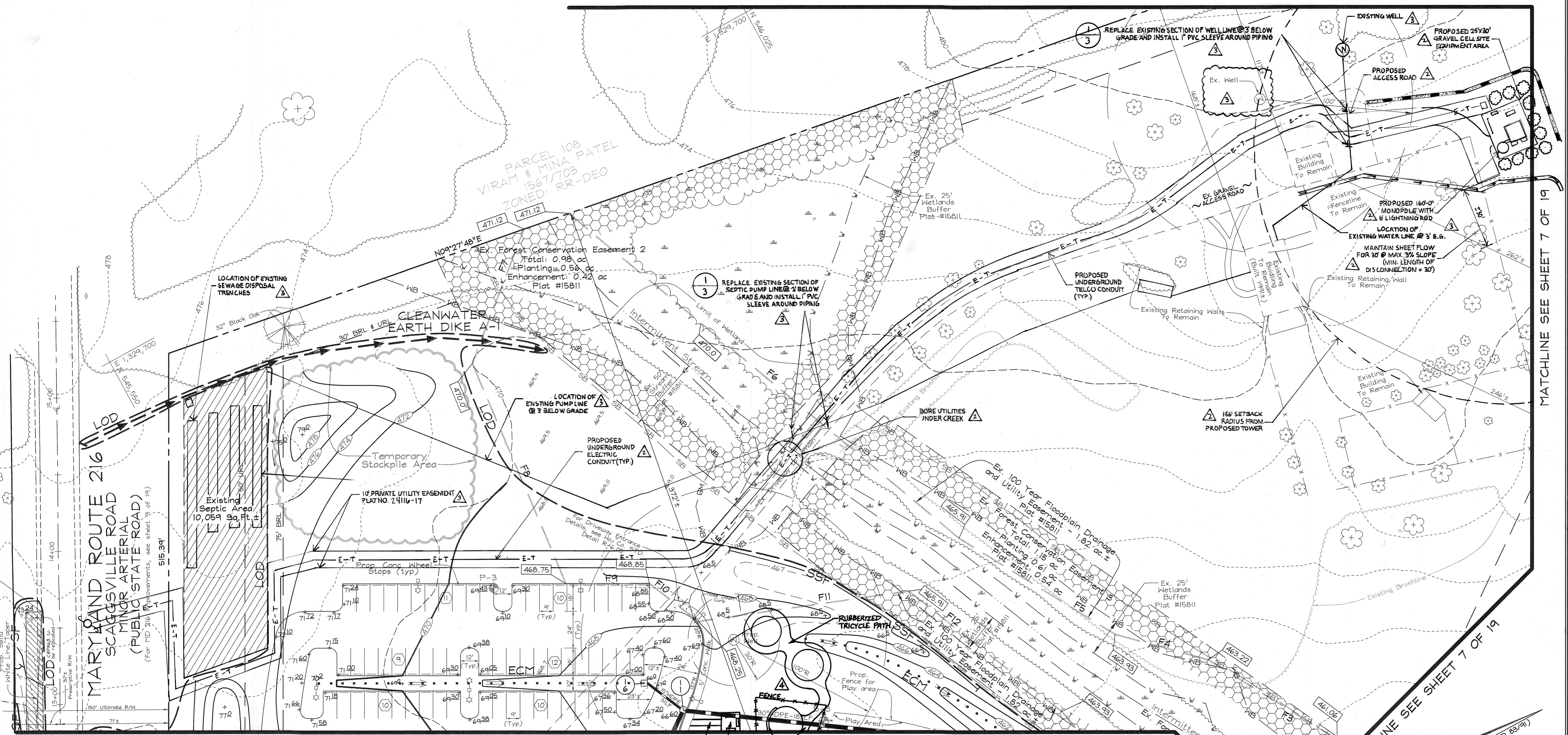
TEMPLE ISAIAH
 c/o Robert Oliver Dubin
 5885 Robert Oliver Place
 Columbia, Maryland 21045
 202-466-3400

SEDIMENT AND EROSION CONTROL PLAN
TEMPLE ISAIAH
PHASE I
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 18 & 15 PARCEL 2 LOT 4
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street, Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: ZYF
 SCALE: 1"=30'
 DATE: March 04, 2003
 W.O. No.: 3002
 SHEET No. 5 OF 24



MATCHLINE SEE SHEET 5 OF 19

MATCHLINE SEE SHEET 7 OF 19

NOTES:
 1) THE CONTRACTOR SHALL USE THE FLAGGING SUPPLIED BY THE SURVEYOR TO LOCATE THE AREAS WHERE THE EXISTING SEPTIC PUMP LINE AND WELL LINE INTERSECT THE PROPOSED UTILITY EASEMENTS. IN THESE LOCATIONS THE EXISTING SEPTIC AND WELL LINES SHALL BE REMOVED AND REPLACED IN THE AREAS WITH 5' OVERLAP OUTSIDE OF THE PROPOSED EASEMENT. THE REPLACEMENT LINES SHALL BE OF THE SAME MATERIAL AND SIZE AS THE ONES REMOVED. THE REPLACED LINES SHALL BE RUN WITHIN A PVC CONDUIT THAT IS 1" LARGER IN DIAMETER THAN THE EXISTING AND BE RUN THE ENTIRE LENGTH FROM SOUTHSIDE THE PROPOSED EASEMENT ON BOTH SIDES. CONTRACTOR SHALL COMPACT THE SOIL BELOW, AROUND AND ABOVE THE REPLACED LINES PER UTILITY STANDARDS. AND WARNING TAPES.
 2) DEPTHS AND LOCATIONS OF SEPTIC LINE, WELL LINE AND SEWAGE DISPOSAL TRENCHES ARE BASED UPON A PRELIMINARY FIELD INVESTIGATION PERFORMED BY MASER CONSULTING ON 12/10/16 USING A GROUND PENETRATING RADAR (GPR) DEVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, DEPTHS AND MATERIALS IN FIELD PRIOR TO ONSET OF CONSTRUCTION.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 County Health Officer
 Howard County Health Department

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
 USDA-NATURAL RESOURCES CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

SEAL:
 STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 JIANG YU
 PROFESSIONAL ENGINEER
 MD LICENSE NO. 46630

11-14-22 4 ADDED PATHS & SEAT PATHS
 DEWBERRY CONSULTANTS LLC
 3106 LORD BALTIMORE DRIVE
 SUITE 110
 BALTIMORE MD 21244
 PHONE: 410.265.9500 FAX: 410.265.8875

DATE	NO.	REVISION
12/29/16	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/22/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

OWNER/DEVELOPER
 TEMPLE ISAAH
 c/o Robert Dubin
 5885 Robert Oliver Place
 Columbia, Maryland 21045
 202-466-3400

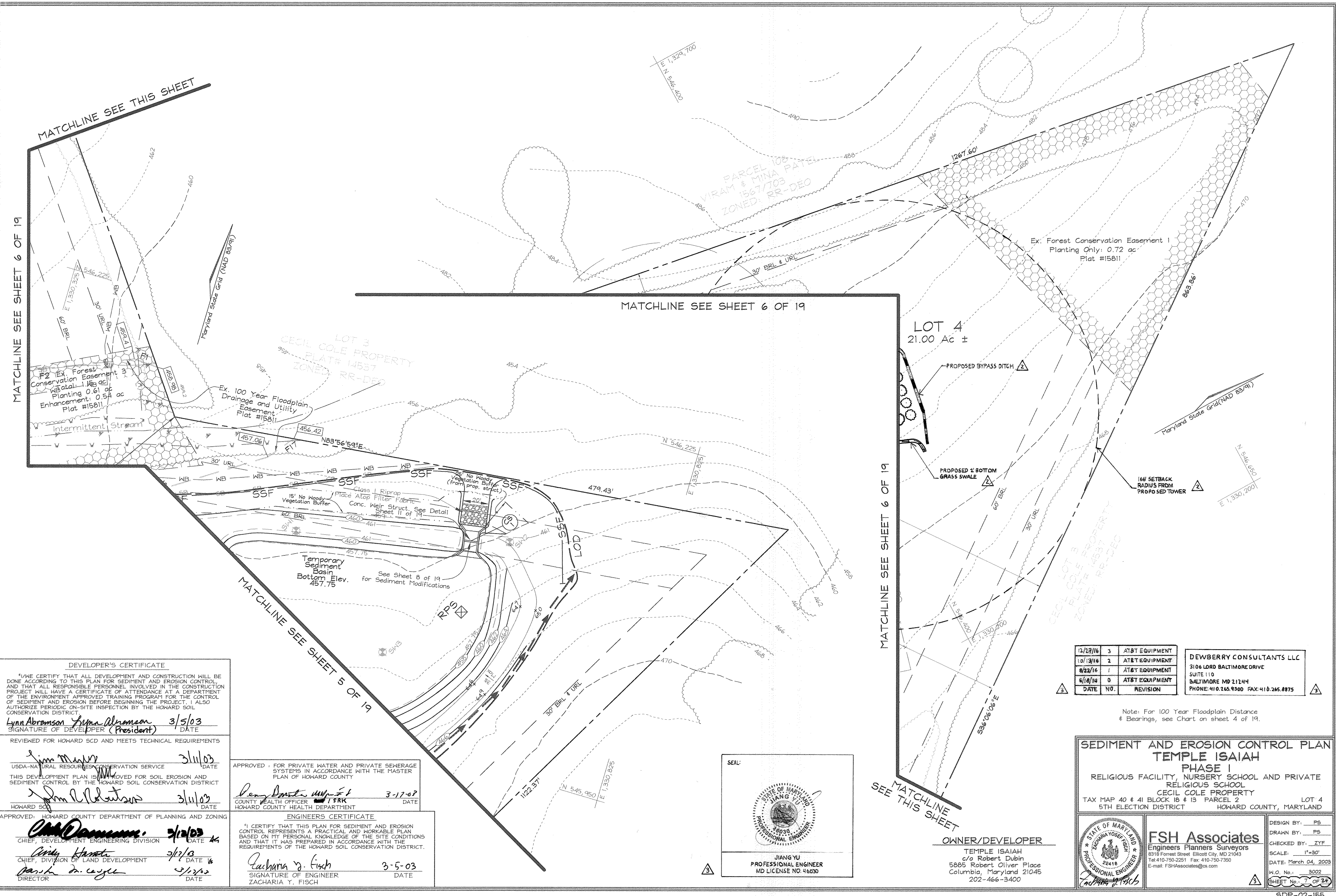
Note: For 100 Year Floodplain Distance
 & Bearings, see Chart on sheet 4 of 19.

SEDIMENT AND EROSION CONTROL PLAN
 TEMPLE ISAAH
 PHASE I
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 15 & 13 PARCEL 2 LOT 4
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 22418

FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street, Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: ZYF
 SCALE: 1"=30'
 DATE: March 04, 2008
 W.O. No.: 3002
 SHEET No.: 6 OF 24



MATCHLINE SEE THIS SHEET

MATCHLINE SEE SHEET 6 OF 19

MATCHLINE SEE SHEET 6 OF 19

MATCHLINE SEE SHEET 6 OF 19

MATCHLINE SEE THIS SHEET

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Lynn Abramson Lynn Abramson 3/5/03
SIGNATURE OF DEVELOPER (President) DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

Jim Mark 3/11/03
USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

John Robertson 3/11/03
HOWARD SCD DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Henry Smith, M.D. 3-17-03
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chad Cameron 3/12/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

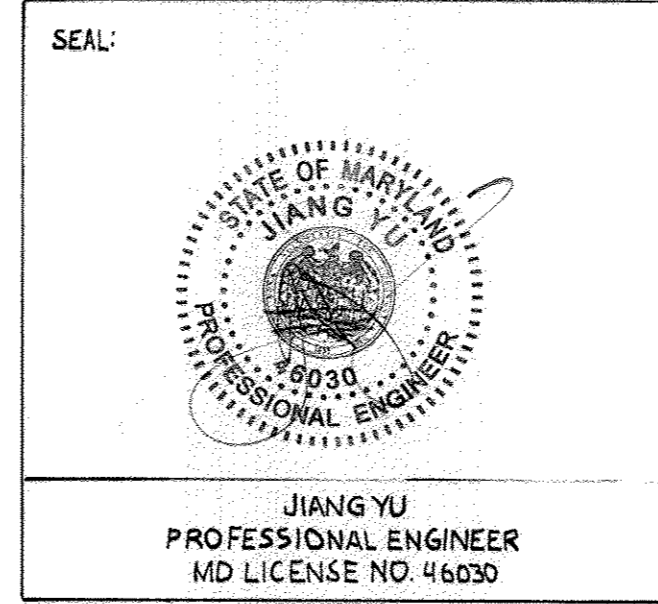
Andy Hamer 3/12/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Parish D. Cagle 3/12/03
DIRECTOR DATE

ENGINEERS CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Zacharia Y. Fisch 3-5-03
SIGNATURE OF ENGINEER DATE
ZACHARIA Y. FISCH

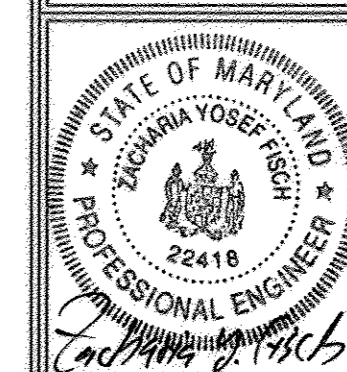


DATE	NO.	REVISION
12/27/16	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/22/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

DEWBERRY CONSULTANTS LLC
3106 LORD BALTIMORE DRIVE
SUITE 110
BALTIMORE MD 21244
PHONE: 410.265.9500 FAX: 410.265.8875

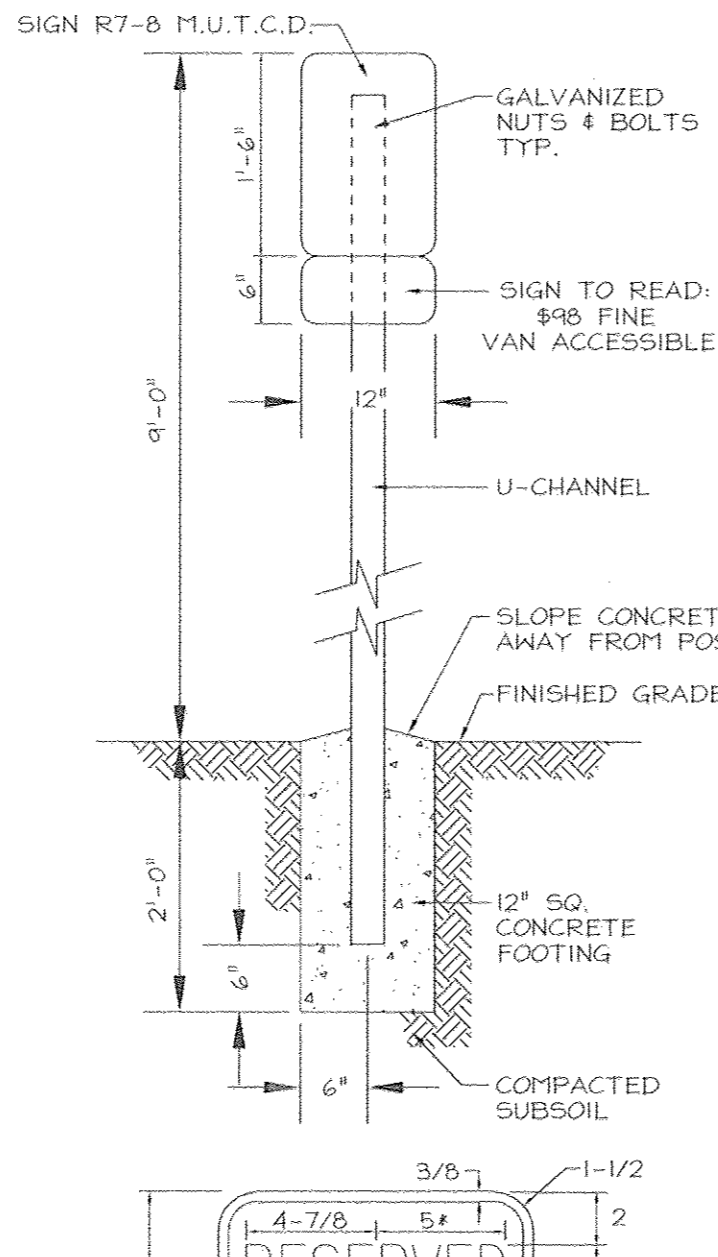
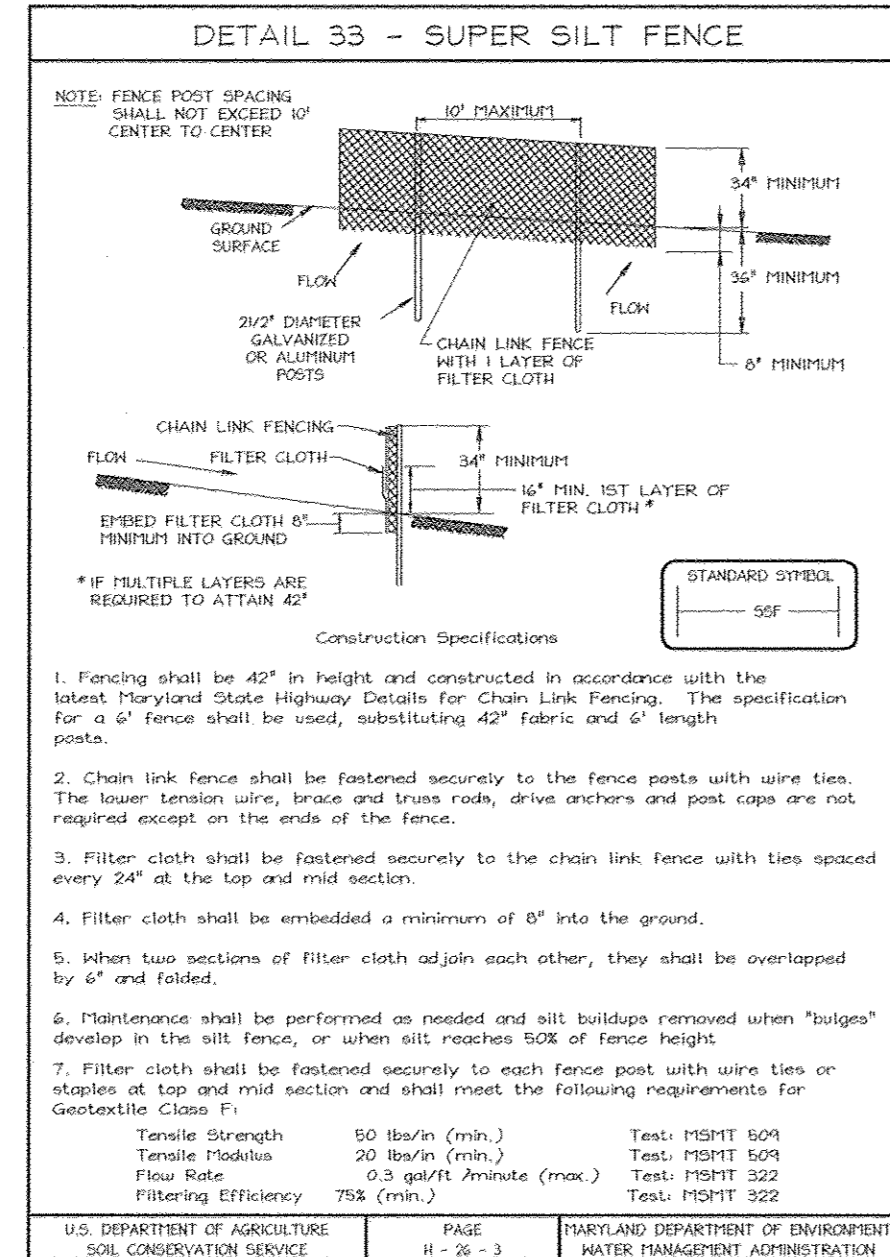
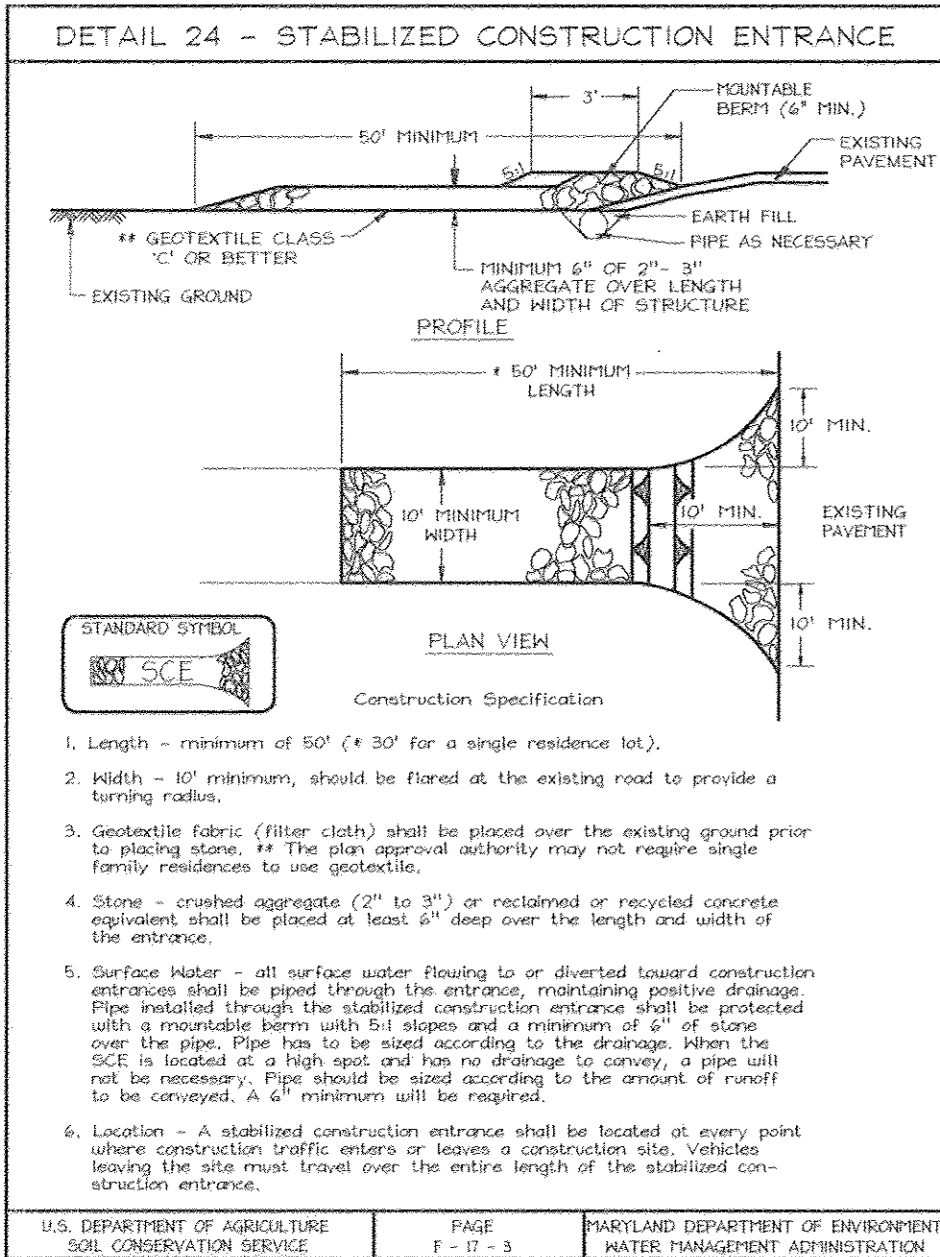
Note: For 100 Year Floodplain Distance & Bearings, see Chart on sheet 4 of 19.

SEDIMENT AND EROSION CONTROL PLAN
TEMPLE ISAAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



FSH Associates
Engineers Planners Surveyors
8318 Forrest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZYF
SCALE: 1"=30'
DATE: March 04, 2003
W.O. No.: 3002
SHEET No.: 7 OF 24



20.0 STANDARDS AND SPECIFICATIONS FOR TOPSIL

Definition
Placement of topsil over a prepared subsoil prior to establishment of permanent vegetation.

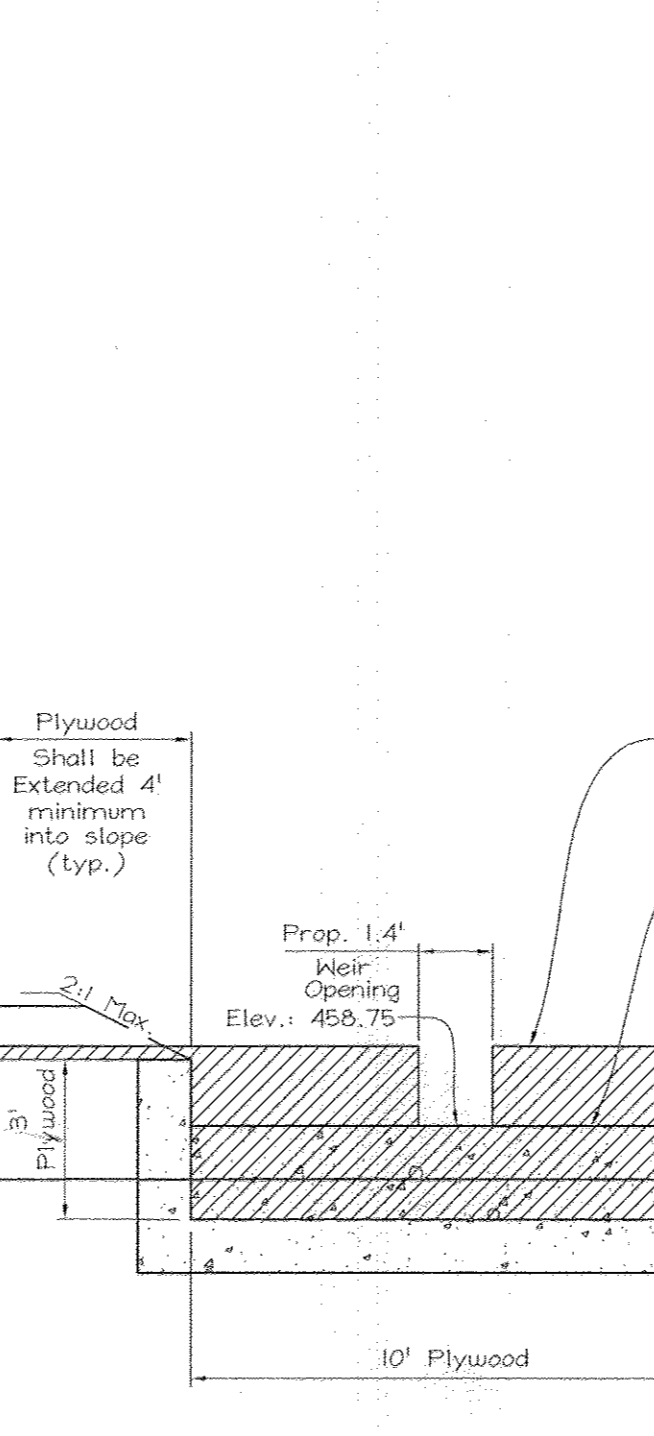
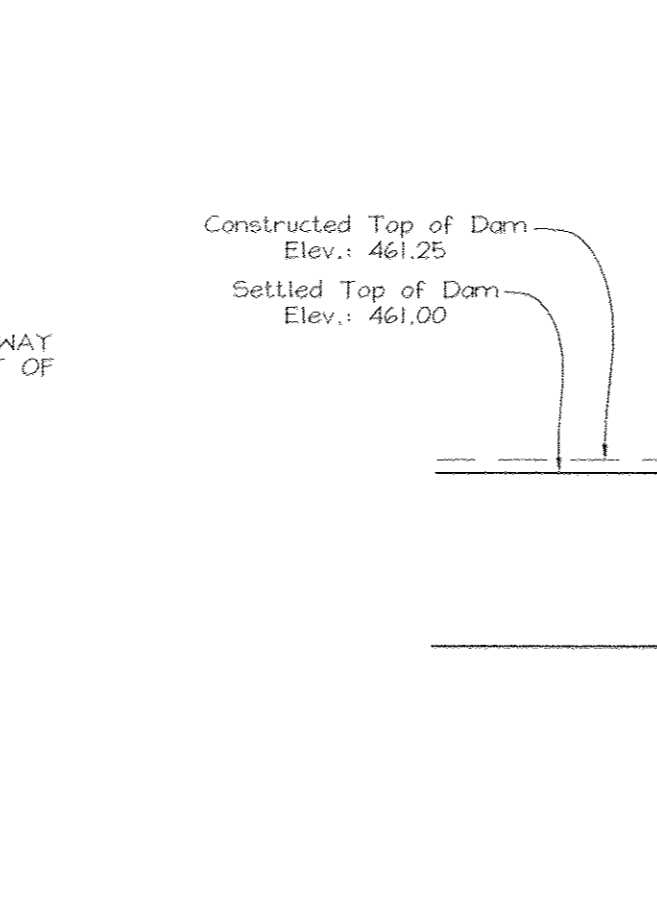
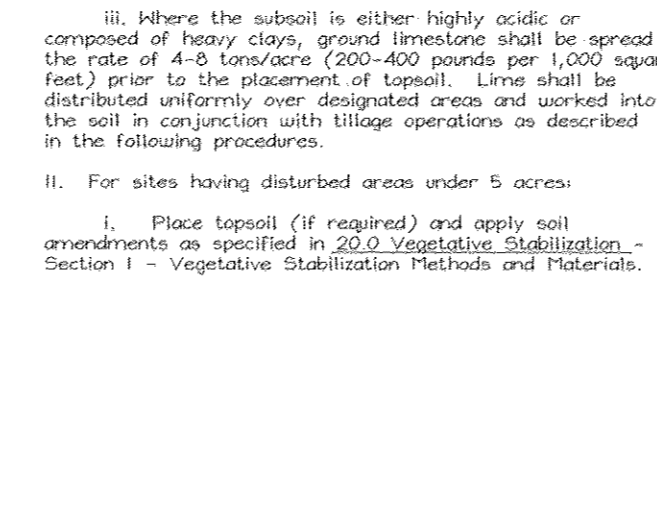
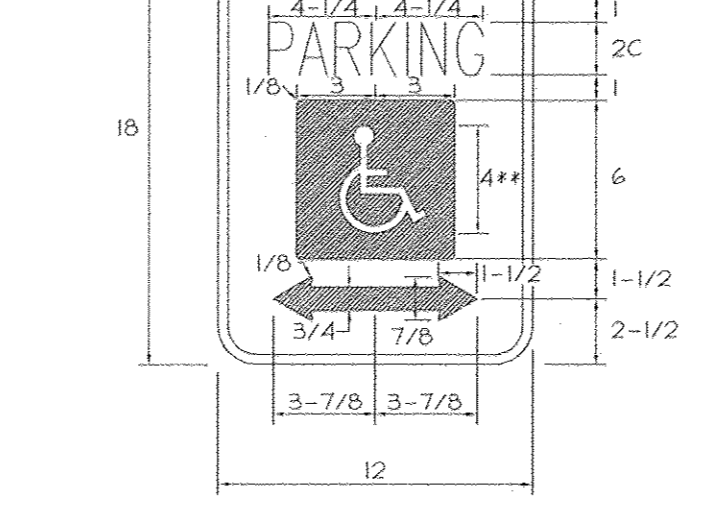
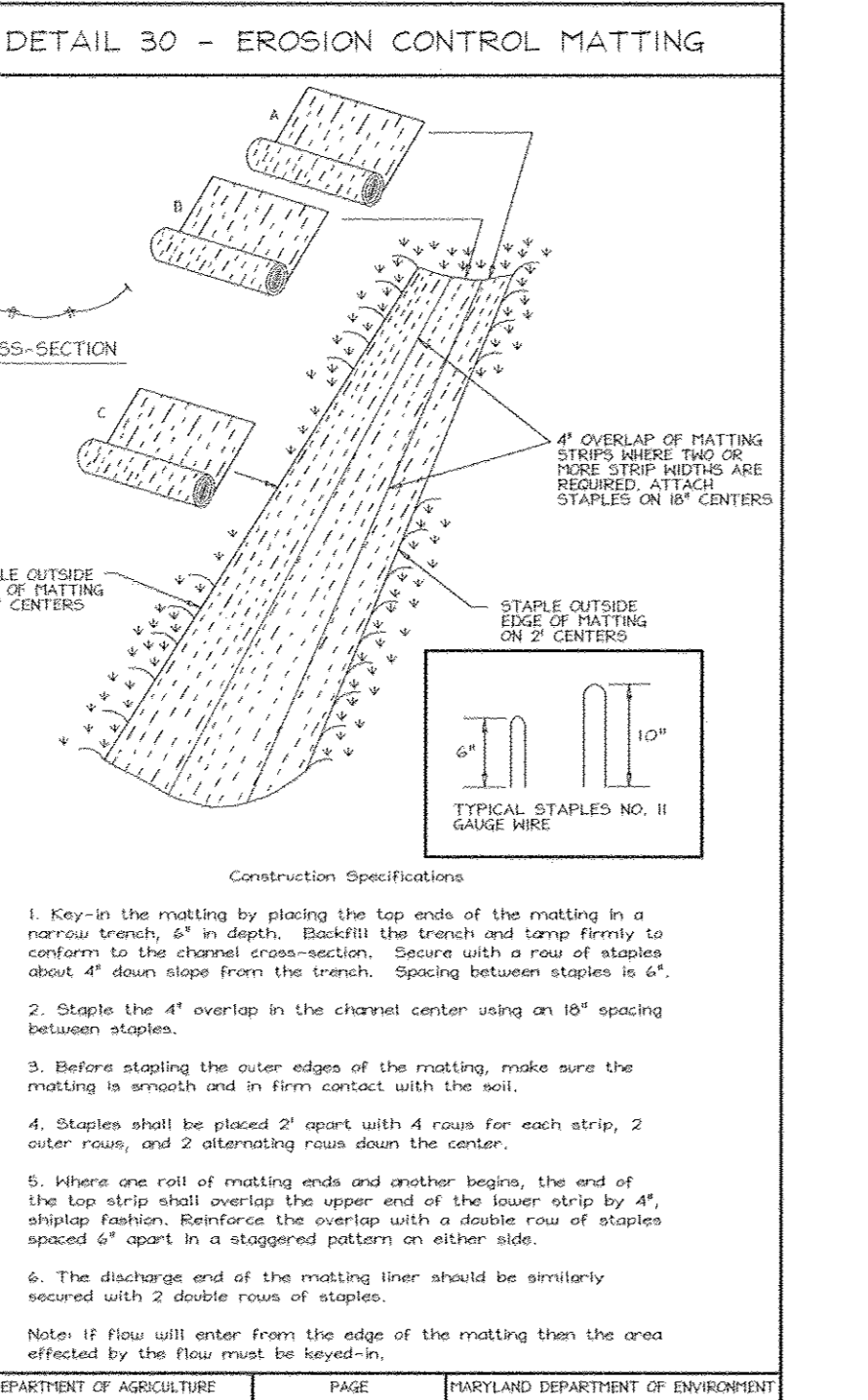
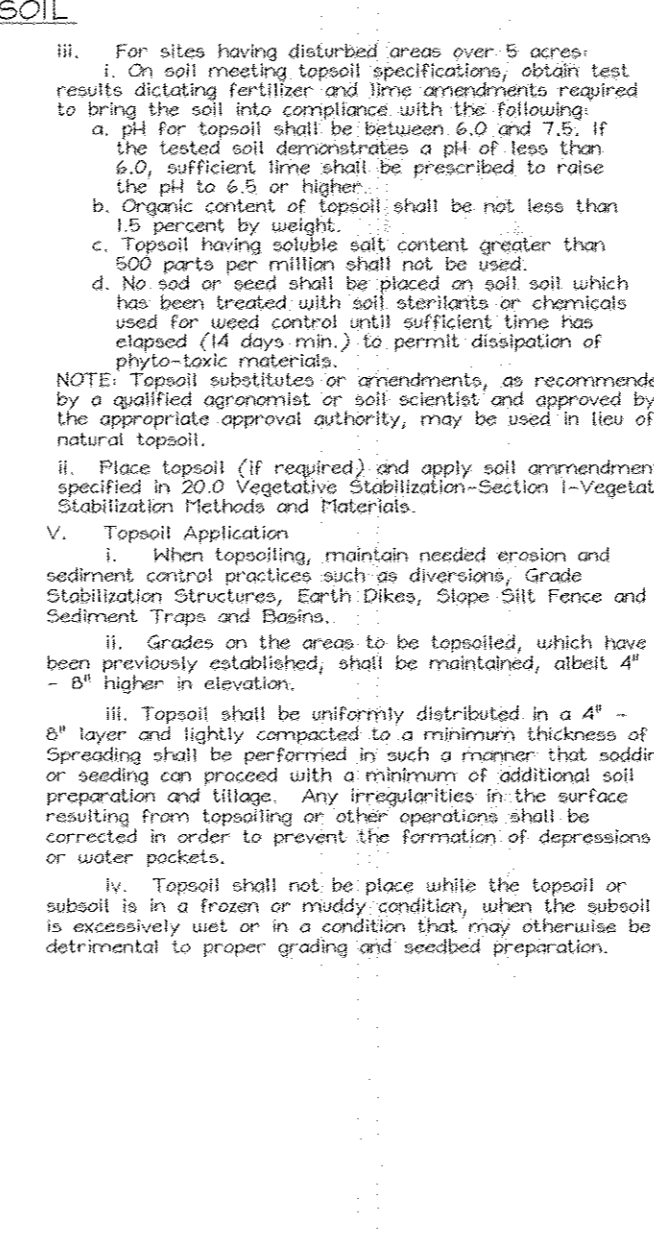
Purpose
To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

- Topsil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.
- Topsil Specifications - Soil to be used as topsil must meet the following:
 - Topsil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, brush, or other materials larger than 1 and 1/2" in diameter.
 - Topsil must be free of plants or plant parts such as Bermuda grass, sparganium, johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsil. Limes shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- For sites having disturbed areas under 5 acres:
 - Place topsil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.



PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (40 lbs/1000 sq ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 urea-form fertilizer (9 lbs/1000 sq ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (40 lbs/1000 sq ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (23 lbs/1000 sq ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30 and August 1 thru October 15, seed with 60 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq ft.) before seeding. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre 30-0-0 urea-form fertilizer (9 lbs/1000 sq ft.).

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft.) of eroded small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 25 gallons per acre (5 gal/1000 sq ft.) of emulsified asphalt on flat areas. On slopes 5 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq ft.).

SEEDING: For periods March 1 thru April 30 and August 1 thru November 15, seed with 1 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of vernal ryegrass (0.7 lbs./1000 sq ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft.) of eroded small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 25 gallons per acre (5 gal/1000 sq ft.) of emulsified asphalt on flat areas. On slopes 5 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (315-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seeding, soil, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area	21.00 Acres
Area Disturbed	9.99 Acres
Area to be roofed or paved	3.30 Acres
Area to be vegetatively stabilized	6.64 Acres
Total Cut	14,556 CY
Offsite waste/borrow area location	
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths, or that which shall be back-filled and stabilized within one working day, whichever is shorter.

* To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit.

SEQUENCE OF CONSTRUCTION

- Obtain Grading permit.
- Notify Howard County Department of Inspections, License and Permits at (410) 315-1860 at least 24 hours before starting any work.
- Install stabilized construction entrance, earth dikes and super silt fence. (1 week)
- Construct Sediment Basin #1. Grade basin and Forebay to elevation 457.75. Install temporary blocking device CS-1 (see details this sheet). Clear, grub, and rough grade site. (4 weeks)
- Construct storm drain, storm drain outfalls, and grass channel along existing stream that leads to the pond. (3 weeks)
- Construct parking lot, water and sewer and building. (4 months)
- Construct entrance and road widening. (2 weeks)
- Construct remaining grass swales and fine grade site. Install all erosion control matting. (2 weeks)
- Install landscaping and afforestation plantings. (1 week)
- Flush storm drain system. (1 day)
- With permission of the Sediment Control Inspector, convert Sediment Basin #1 to SKIM Pond #1 (grade to pond bottom and install Rip-Rap Weir at Forebay), stabilize all disturbed areas. (1 week)
- During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures on this plan.
- Following initial soil disturbance or any redistributions, permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter sediment control structures, dikes, swales and all slopes greater than 3:1.
 - 14 calendar days for all other disturbed areas.
- Upon stabilization of all disturbed areas and with the permission of the sediment control inspector, remove all sediment control measures and stabilize any remaining disturbed area. (1 week)

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Peggy Basile MUR FS 3/12/03
COUNTY HEALTH OFFICER / SRK DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

John D. ... 3/12/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Condy ... 3/12/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Mark ... 3/12/03
DIRECTOR DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

Jim Meyer 3/14/03
USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

John R. ... 3/14/03
HOWARD SCD DATE

ENGINEERS CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Zacharia Y. Fisch 3-5-03
SIGNATURE OF ENGINEER DATE
ZACHARIA Y. FISCH

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Lynn Abramson Lynn Abramson 3/5/03
SIGNATURE OF DEVELOPER DATE
Lynn Abramson (President)

OWNER/DEVELOPER

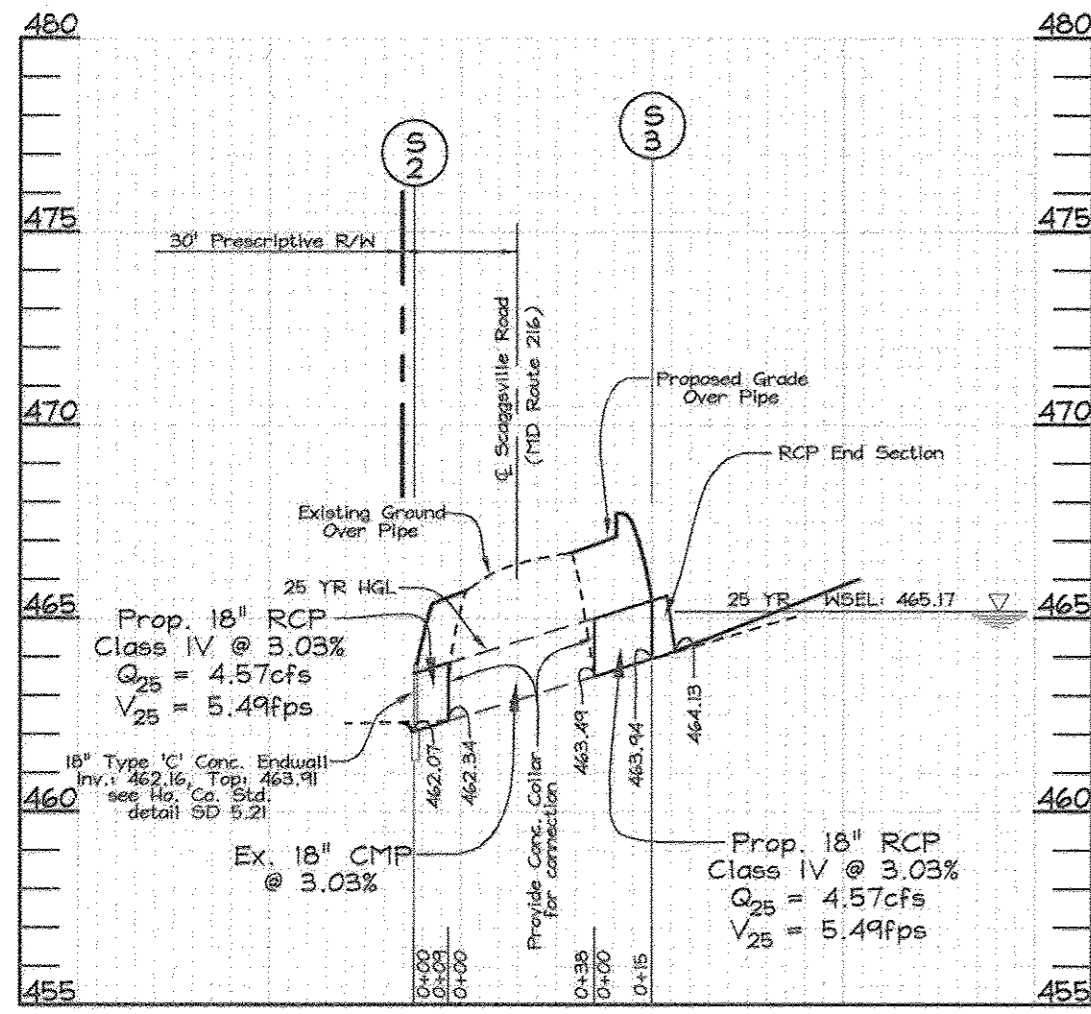
TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

SEDIMENT AND EROSION CONTROL
TEMPLE ISAIAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE
RELIGIOUS SCHOOL
CECIL COLE PROPERTY

TAX MAP 40 # 41 BLOCK 18 # 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

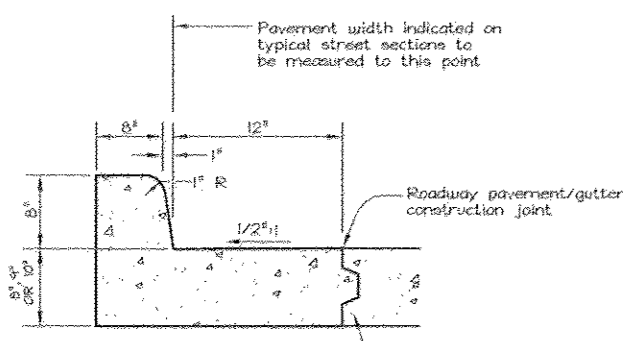
DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZTF
SCALE: As Shown
DATE: March 04, 2003
W.O. No.: 3002
SHEET No.: 8 OF 28

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com



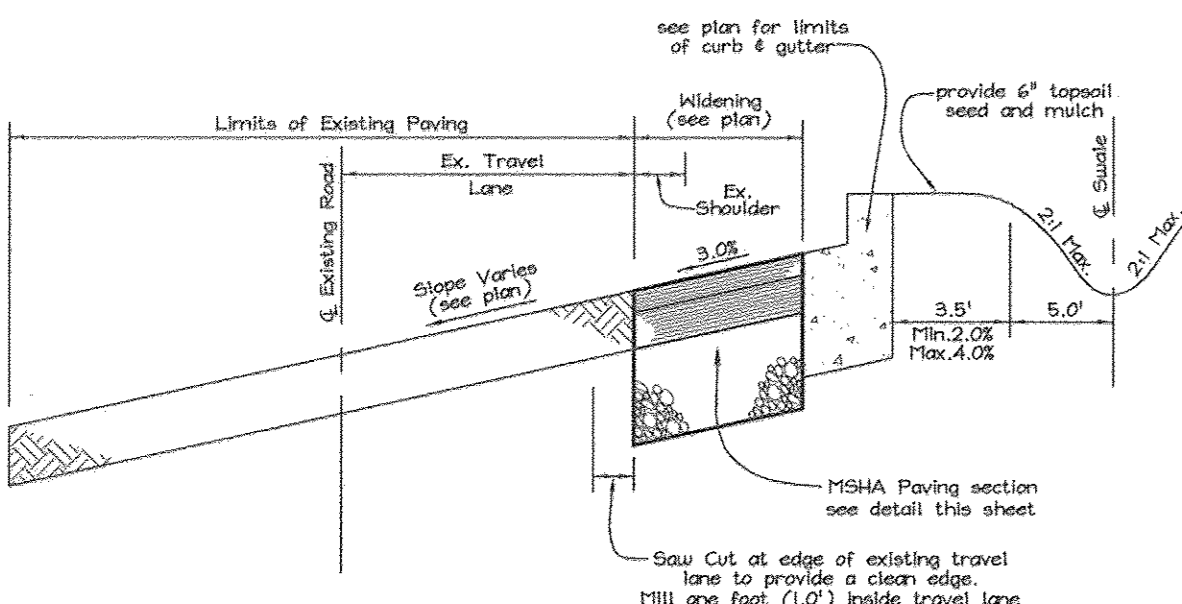
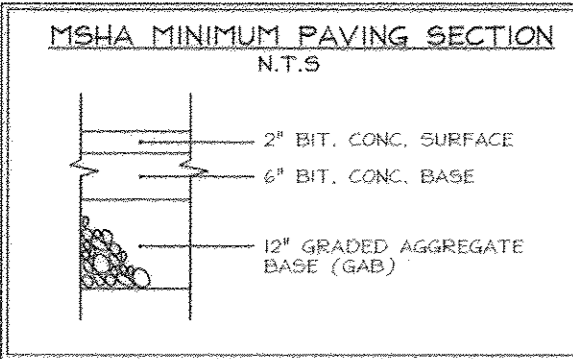
CULVERT PROFILE

Scale: Horizontal-1"=50'
Vertical-1"=5'



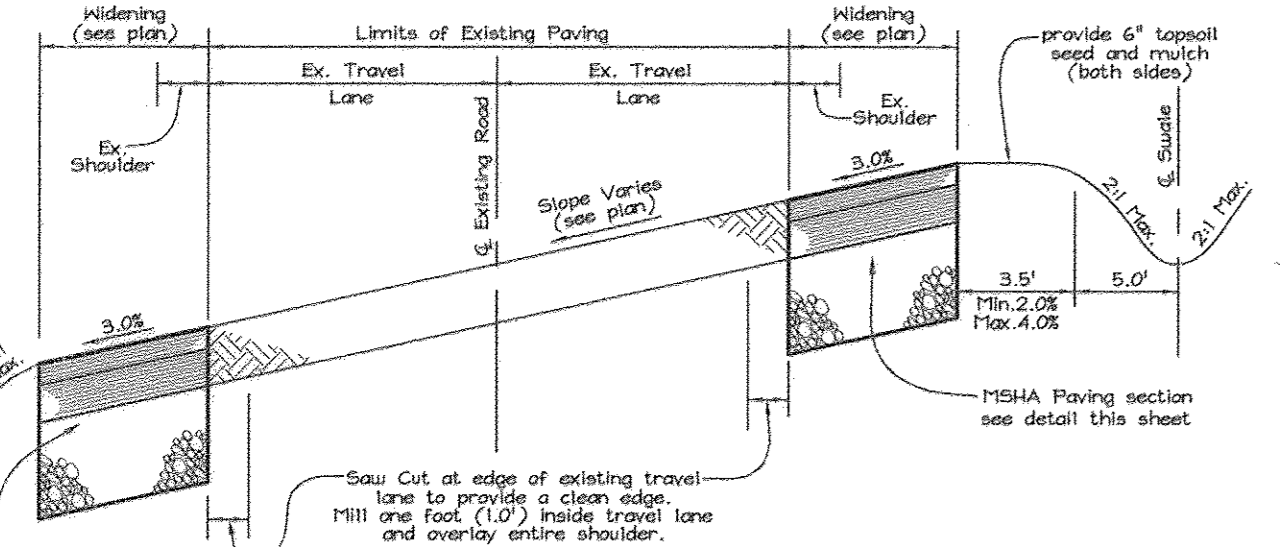
MSHA TYPE 'A' CONCRETE COMBINATION CURB AND GUTTER
MD. NO. 620.02
NOT TO SCALE

- NOTES:**
- Slope gutter pan 1/2" per foot toward flow line on all roadways including super-elevated sections. Except interchange ramps.
 - Provide Key and Longitudinal tie bar as required.
 - Maximum joint spacing for concrete curb and gutter is 10'.



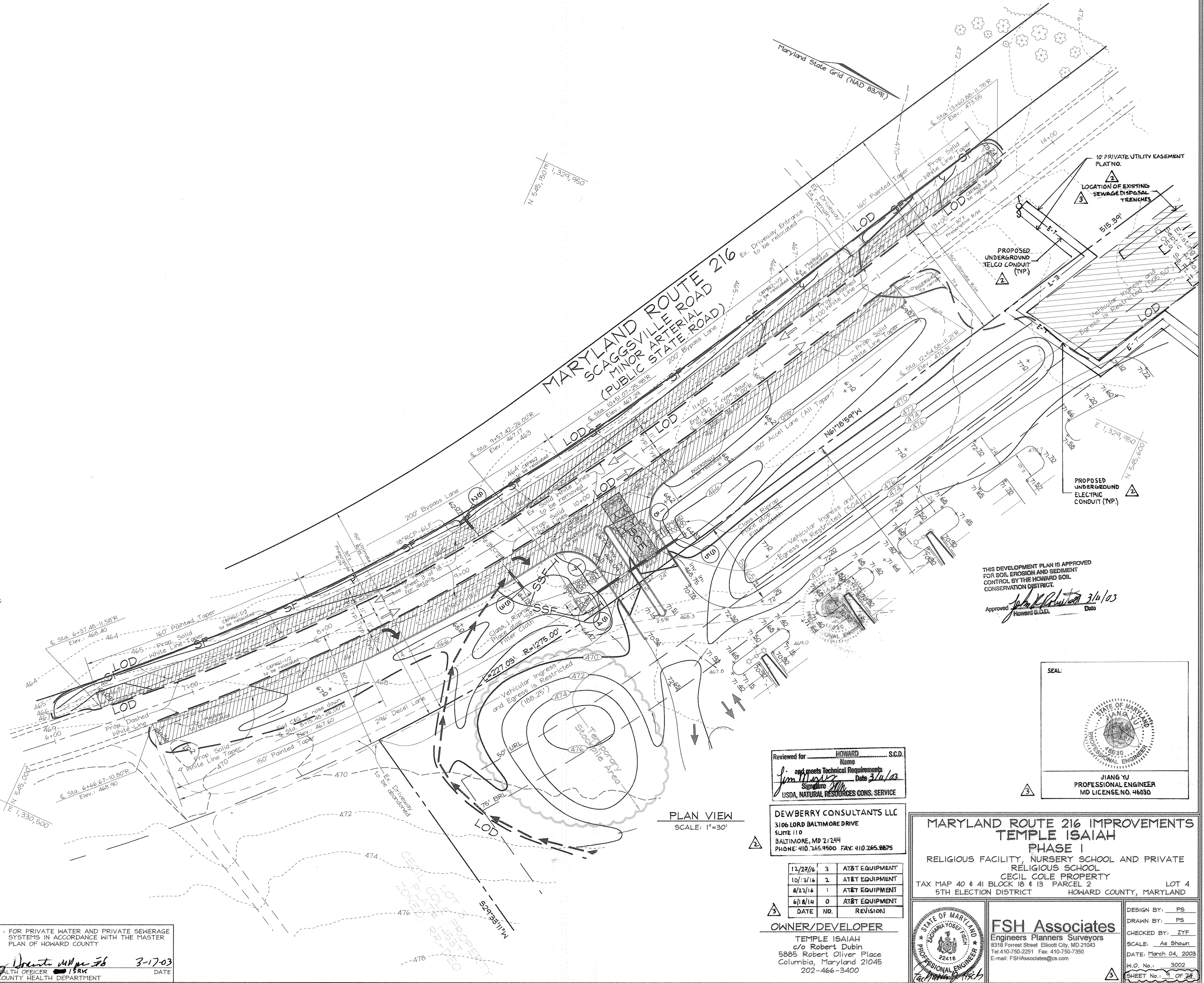
WIDENING DETAIL (CLOSED SECTION) MARYLAND ROUTE 216

NOT TO SCALE



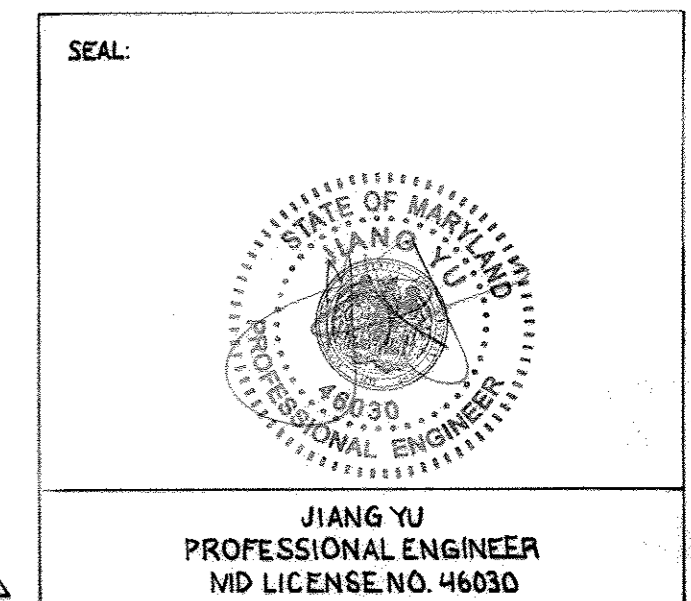
WIDENING DETAIL (OPEN SECTION) MARYLAND ROUTE 216

NOT TO SCALE



PLAN VIEW
SCALE: 1"=30'

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: *John R. ...* 3/4/03
Howard S.S.D. Date



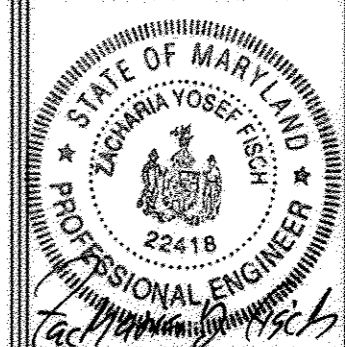
Reviewed for: **HOWARD S.C.D.**
Name: _____
and meets Technical Requirements
Jim ... Date: 3/4/03
Signature: _____
USDA, NATURAL RESOURCES CONSV. SERVICE

DEWBERRY CONSULTANTS LLC
3106 LORD BALTIMORE DRIVE
SUITE 110
BALTIMORE, MD 21244
PHONE: 410.765.9500 FAX: 410.765.9675

DATE	NO.	REVISION
12/23/16	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/22/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

OWNER/DEVELOPER
TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

MARYLAND ROUTE 216 IMPROVEMENTS
TEMPLE ISAIAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

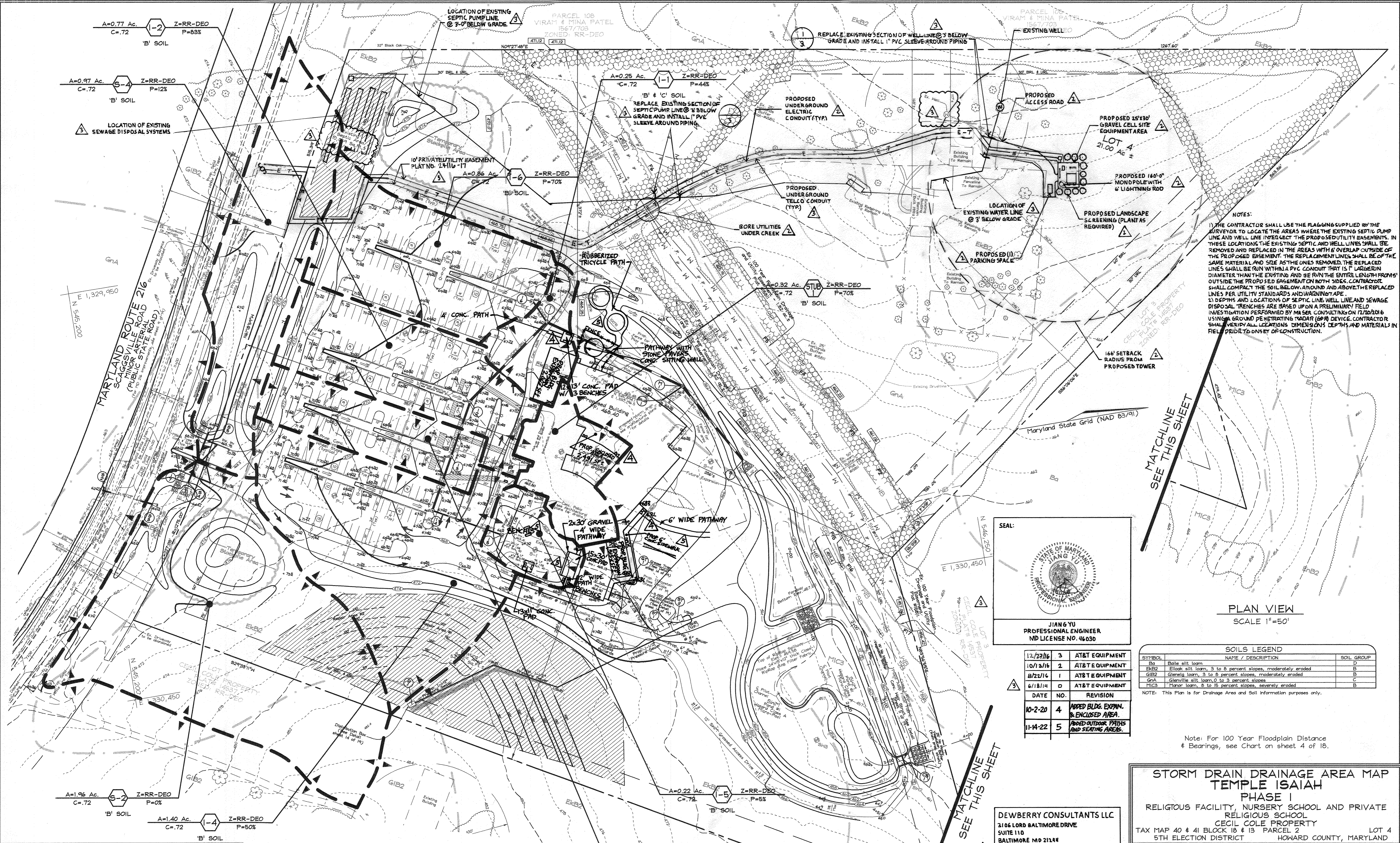


FSH Associates
Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: **PS**
DRAWN BY: **PS**
CHECKED BY: **ZYF**
SCALE: **As Shown**
DATE: **March 04, 2003**
W.O. No.: **3002**
SHEET No. **1** OF **24**

APPROVED: **HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING**
Chad ... 3/12/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Conita ... 3/17/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Monika ... 3/13/03
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
Denny ... 3-17-03
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT



NOTES:

- 1) THE CONTRACTOR SHALL USE THE FLAGGING SUPPLIED BY THE SURVEYOR TO LOCATE THE AREAS WHERE THE EXISTING SEPTIC PUMP LINE AND WELL LINE INTERSECT THE PROPOSED UTILITY EASEMENTS. IN THESE LOCATIONS THE EXISTING SEPTIC AND WELL LINES SHALL BE REMOVED AND REPLACED IN THE AREAS WITH 6' OVERLAP OUTSIDE OF THE PROPOSED EASEMENT. THE REPLACEMENT LINES SHALL BE OF THE SAME MATERIAL AND SIZE AS THE LINES REMOVED. THE REPLACED LINES SHALL BE RUN WITH A PVC CONDUIT THAT IS 1" LARGER IN DIAMETER THAN THE EXISTING AND BE RUN THE ENTIRE LENGTH FROM INSIDE THE PROPOSED EASEMENT ON BOTH SIDES. CONTRACTOR SHALL COMPACT THE SOIL BELOW AND ABOVE THE REPLACED LINES PER UTILITY STANDARDS AND WARNING TAPE.
- 2) DEPTHS AND LOCATIONS OF SEPTIC LINE, WELL LINE AND SEWAGE DISPOSAL TRENCHES ARE BASED UPON A PRELIMINARY FIELD INVESTIGATION PERFORMED BY MA SER CONSULTING ON 11/20/16 USING A GROUND PENETRATING RADAR (GPR) DEVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, DEPTHS AND MATERIALS IN FIELD PRIOR TO ONSET OF CONSTRUCTION.

PLAN VIEW
SCALE 1"=50'

SEAL:

JIAN G YU
PROFESSIONAL ENGINEER
MD LICENSE NO. 46030

DATE	NO.	REVISION
12/27/16	3	AT&T EQUIPMENT
10/12/16	2	AT&T EQUIPMENT
8/22/14	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT
		REVISION
10-2-20	4	ADDED BLDG. EXPN. & ENCLOSED AREA.
11-14-22	5	ADDED OUTDOOR PATHS AND SEATING AREAS.

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Belle silt loam	D
EkB2	Elkoc silt loam, 3 to 8 percent slopes, moderately eroded	B
GIB2	Glennville loam, 3 to 8 percent slopes, moderately eroded	B
GnA	Glennville silt loam, 0 to 3 percent slopes	C
MIC3	Morton loam, 8 to 15 percent slopes, severely eroded	B

NOTE: This Plan is for Drainage Area and Soil Information purposes only.

Note: For 100 Year Floodplain Distance & Bearings, see Chart on sheet 4 of 18.

STORM DRAIN DRAINAGE AREA MAP
TEMPLE ISAAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 & 41, BLOCK 15 & 15 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHassociates@cs.com

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: March 04, 2009
W.O. No.: 3002
SHEET No.: 10 OF 24

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chad Damman 3/12/09
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Paul Hamble 3/17/09
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Mark A. Coyle 6/13/09
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Penny Brantner 3-17-09
COUNTY HEALTH OFFICER / SRK DATE
HOWARD COUNTY HEALTH DEPARTMENT

PLAN VIEW
SCALE 1"=50'

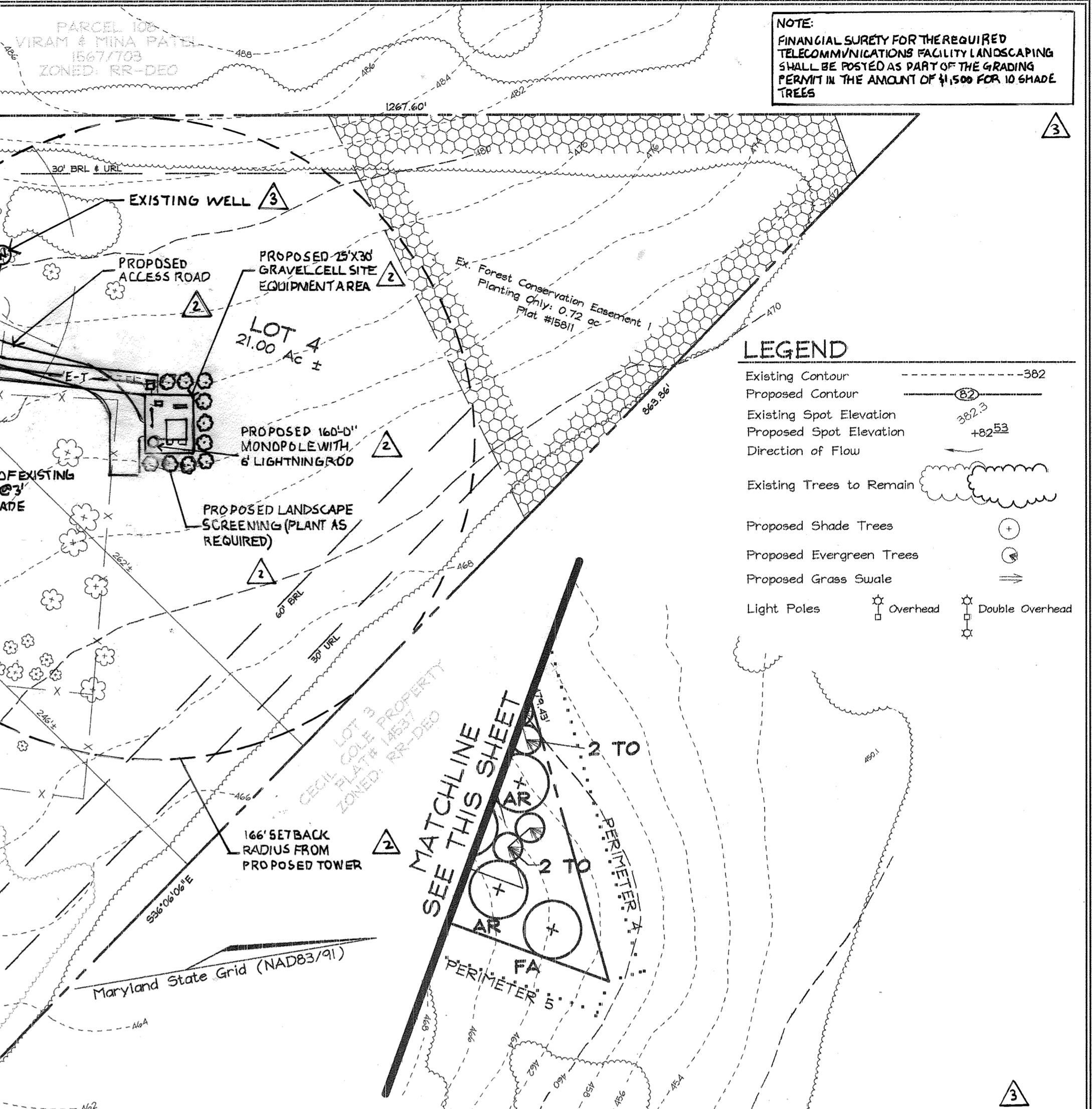
LANDSCAPING SCHEDULE		
LEYLAND CYPRESS (L. PRESPEC X LEVLANH)	ID	6'-0" - 6'-0"
PLANT SPECIES	NO.	HEIGHT

3 LOCATION OF SEWAGE DISPOSAL TRENCHES

NOTES:
 1) THE CONTRACTOR SHALL USE THE FLAGGING SUPPLIED BY THE SURVEYOR TO LOCATE THE AREAS WHERE THE EXISTING SEPTIC PUMPLINE AND WELL LINES INTERSECT THE PROPOSED UTILITY EASEMENTS. IN THESE LOCATIONS THE EXISTING SEPTIC AND WELL LINES SHALL BE REMOVED AND REPLACED IN THE AREAS WITH AN OVERLAP OUTSIDE OF THE PROPOSED EASEMENT. THE REPLACEMENT LINES SHALL BE OF THE SAME MATERIAL AND SIZE AS THE ONES REMOVED. THE REPLACED LINES SHALL BE RUN WITHIN A PVC CONDUIT THAT IS 1" LARGER IN DIAMETER THAN THE EXISTING AND BE RUN THE ENTIRE LENGTH FROM S OUTSIDE THE PROPOSED EASEMENT ON BOTH SIDES. CONTRACTOR SHALL COMPACT THE SOIL BELOW AND ABOVE THE REPLACED LINES PER UTILITY STANDARDS AND WARNING TAPE.
 2) DEPTHS AND LOCATION OF SEPTIC LINES, WELL LINES AND SEWAGE DISPOSAL TRENCHES ARE BASED UPON A PRELIMINARY FIELD INVESTIGATION PERFORMED BY MASER CONSULTING INC. (2/20/16) USING A GROUND PENETRATING RADAR (GPR) DEVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, DEPTHS AND MATERIALS IN FIELD PRIOR TO ONSET OF CONSTRUCTION.

3 SCHEDULE D: STORMWATER MANAGEMENT AREA LANDSCAPING
 Linear Feet of Perimeter (P-4,5,6) 1613 LF
 Credit for Existing Vegetation (No, Yes and Linear Feet) Yes *268 LF (Remaining Perimeter: 1,345LF)
 Credit for other Landscaping (No, Yes and %) N/A
 Number of Trees Required
 Shade Trees 27
 Evergreen Trees 34
 Number of Trees Provided
 Shade Trees 27
 Evergreen Trees 34
 Other Trees (2:1 Substitution) 0
 Trees (0 Substitution Trees) 0
 * Existing trees to remain within the stream buffer and along boundary lot 3 Cecil Cole property.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 3/1/03
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 3/1/03
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 3/1/03
 DIRECTOR



PLAN VIEW
SCALE 1"=50'

SCHEDULE A
PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS		ADJACENT TO PERIMETER PROPERTIES		
	B	B	2	3	7
Perimeter/Frontage Designation	B	B	2	3	7
Landscaping Type	B	B	2	3	7
Linear Feet of Roadway Frontage/Perimeter	505	190	149	577	685
Credit for Existing Vegetation (Yes, No, Linear Feet)	No	No	183 LF (60)	145 LF (0)	No
Remaining Perimeter Length	No	No	No	No	No
Credit for Wall, Fence or Berm (Yes, No, Linear Feet)	No	No	No	No	No
Remaining Perimeter Length	No	No	No	No	No
Number of Plants Required					
Shade Trees	1:50 10	1:50 4	1:40 2	1:40 0	1:40 17
Evergreen Trees	1:40 13	1:40 5	1:20 3	1:20 0	1:20 34
Shrubs	-	-	-	-	-
Number of Plants Provided					
Shade Trees	10	4	2	0	17
Evergreen Trees	13	5	3	0	34
Other Trees (2:1 Substitution)	-	-	-	-	-
Shrubs (10:1 Substitution)	-	-	-	-	-
Below if needed:					

* Existing trees to remain along boundary with Viram & Mina Patel.
 ** Existing trees to remain within the stream buffer.

LANDSCAPE SCHEDULE

KEY QUAN.	BOTANICAL NAME	SIZE	NOTE
FA 26	Fraxinus Americana 'Autumn Purple'	2 1/2"-3" Cal.	B # B
AR 23	Acer Rubrum 'October Glory'	2 1/2"-3" Cal.	B # B
OC 22	Quercus Coccinea	2 1/2"-3" Cal.	B # B
PS 19	Pinus Strobus	6'-8" HT.	B # B
TO 24	Thuja Occidentalis 'Niagara'	5'-6" HT.	B # B
AH 46	Ilex Opaca	5'-6" HT.	B # B

NOTES:
 1. At the time of plant installation, all shrubs and trees listed and approved on the Landscape Plan, shall comply with the proper height requirements in accordance with the Howard County Landscaping Manual. In addition, no substitutions or relocations of the required plantings may be made without prior review and approval from the Department of Planning and Zoning. Any deviation from the approved Landscape Plan may result in denial or delay in the release of landscape surety until such time as all required materials are planted and/or revisions are made to the applicable plans.
 2. For planting details see sheet 4 of 19.
 3. For American Holly, plant one male for every five female trees.
 4. Financial surety for the required landscaping shall be posted as part of the Developer's Agreement in the amount of \$34,650.00 for 71 shade trees and 89 evergreen trees.
 5. 3 Red Maples have been moved from the stormwater management perimeter to the parking lot area to provide additional buffering from the road and adjacent residential properties per the alternative compliance provision of the Landscape Manual.

DEVELOPER'S BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
 [Signature] 3/5/03
 SIGNATURE OF DEVELOPER (President) DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 [Signature] 3-17-03
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT

NOTE:
 FINANCIAL SURETY FOR THE REQUIRED TELECOMMUNICATIONS FACILITY LANDSCAPING SHALL BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$1,500 FOR 10 SHADE TREES

LEGEND
 Existing Contour
 Proposed Contour
 Existing Spot Elevation
 Proposed Spot Elevation
 Direction of Flow
 Existing Trees to Remain
 Proposed Shade Trees
 Proposed Evergreen Trees
 Proposed Grass Swale
 Light Poles
 Overhead
 Double Overhead

SEAL
 STATE OF MARYLAND
 JIANG YU
 PROFESSIONAL ENGINEER
 MD LICENSE NO. 46030

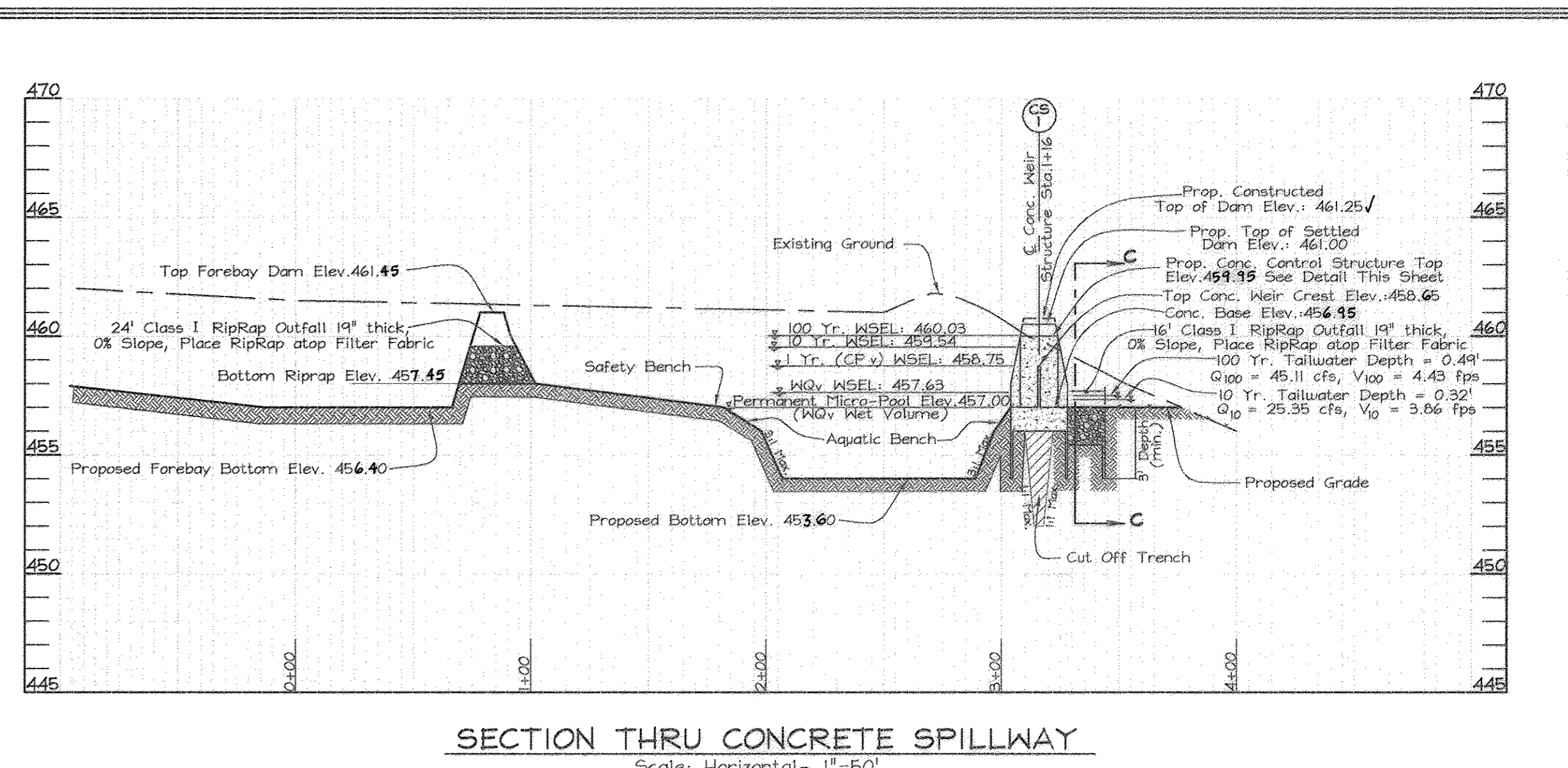
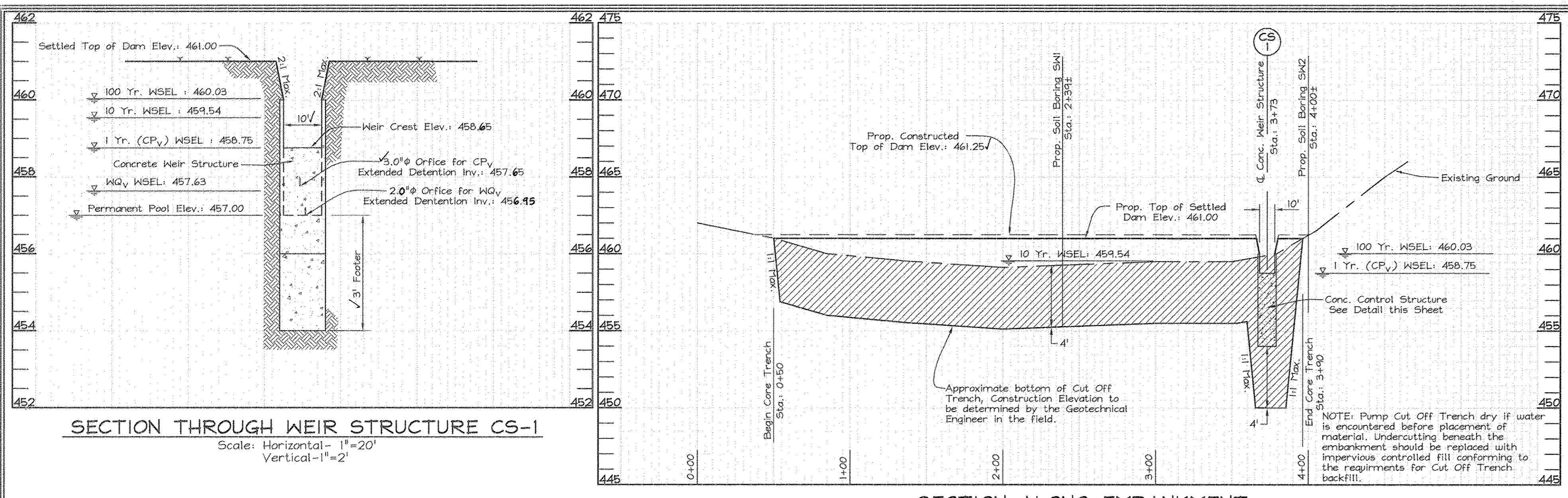
DEWBERRY CONSULTANTS LLC
 3106 LORD BALTIMORE DRIVE
 SUITE 110
 BALTIMORE MD 21244
 PHONE: 410.265.9500 FAX: 410.265.8875

OWNER/DEVELOPER
 TEMPLE ISAIAH
 c/o Robert Dubin
 5885 Robert Oliver Place
 Columbia, Maryland 21045
 202-466-3400

LANDSCAPE PLAN
 TEMPLE ISAIAH
 PHASE I
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS PROPERTY
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DESIGN BY: PS
 DRAWN BY: M2
 CHECKED BY: ZTF
 SCALE: 1"=50'
 DATE: March 04, 2003
 P.O. No.: 3002
 SHEET NO. 13 OF 24

FSH Associates
 Engineers Planners Surveyors
 8318 Forest Street, Ellicott City, MD 21043
 Tel: 410-750-2255 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com



MARYLAND 378 STORMWATER MANAGEMENT POND CONSTRUCTION SPECIFICATIONS

CONSTRUCTION SPECIFICATIONS

These specifications are appropriate to all ponds within the scope of the Standard for Practice 378-379. All references to ASTM and AASHTO specifications apply to the most recent version.

Site Preparation

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1. All trees shall be cleared and grubbed within 15 feet of the low of the embankment.

Areas to be covered by the reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush, and stumps shall be cut approximately level with the ground surface. For dry stormwater management ponds, a minimum of a 25-foot radius around the inlet structure shall be cleared.

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil to be replaced in a suitable location for use on the embankment and other designated areas.

Earth Fill

Material - The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 6", frozen or other objectionable materials. Fill material for the center of the embankment, and cut off trench shall conform to Unified Soil Classification, CC, SC, CH, or CL and must have at least 3% passing the #200 sieve. Consideration may be given to the use of other materials in the embankment if designed by a geotechnical engineer. Such special designs must have construction supervised by a geotechnical engineer. Materials used in the outer shell of the embankment must have the capability to support vegetation of the quality required to prevent erosion of the embankment.

Placement - Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 6 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most permeable borrow material shall be placed in the downstream portions of the embankment. The principal spillway must be installed concurrently with fill placement and not excavated into the embankment.

Compaction - The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one load track of heavy equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction will be obtained with equipment used. The fill material shall contain sufficient moisture so that if formed into a ball, it will not crumble, yet be so wet that water can be squeezed out.

When required by the reviewing agency the minimum required density shall not be less than 95% of maximum dry density of the soil in the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the Engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99 (Standard Proctor).

Cut Off Trench - The cutoff trench shall be excavated into impervious material along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be governed by the equipment used for excavation, with the minimum width being four feet. The depth shall be at least four feet below existing grade or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill shall be compacted with construction equipment, rollers, or hand tampers to assure maximum density and minimum permeability.

Embankment Core - The core shall be parallel to the centerline of the embankment as shown on the plans. The top width of the core shall be a minimum of four feet. The height shall extend up to at least the 10 year water elevation or as shown on the plans. The side slopes shall be 1 to 1 or flatter. The core shall be compacted with construction equipment.

Structure Backfill

Backfill adjacent to pipes or structures shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other manually directed compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe, unless there is a compacted fill of 24" or greater over the structure or pipe.

Structure Backfill may be flowable fill meeting the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 313 as modified. The mixture shall have a 100-200 psi 28 day confined compressive strength. The flowable fill shall have a minimum unit weight of 4.0 and a minimum relative density of 2,000 g/cm³. Material shall be placed such that minimum of 4" (measured perpendicular to the face of the pipe) of flowable fill shall be under (bedding), over and on the sides of the pipe. It only needs to extend up to the spring line for rigid conduits. Average slump of the fill shall be 7" to 9" unless otherwise specified. The material shall be fully bituminous coated. Any adjoining soil fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other manually directed compaction equipment. The material shall completely fill all voids adjacent to the flowable fill zone. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a structure or pipe unless there is a compacted fill of 24" or greater over the structure or pipe. Backfill (Flowable Fill) shall be of the type and quality conforming to that specified for the core of the embankment or other embankment materials.

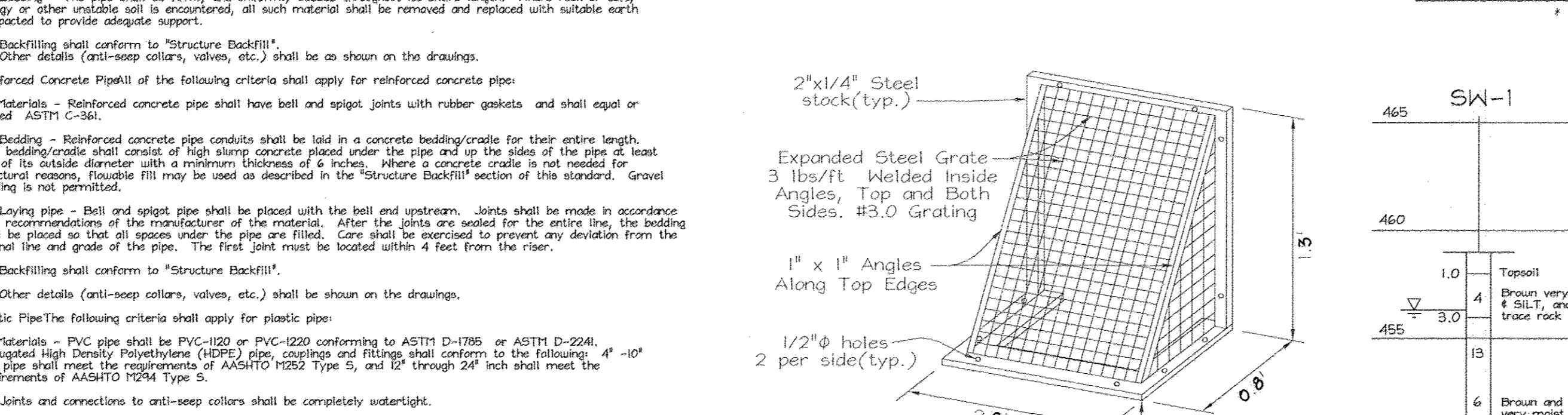
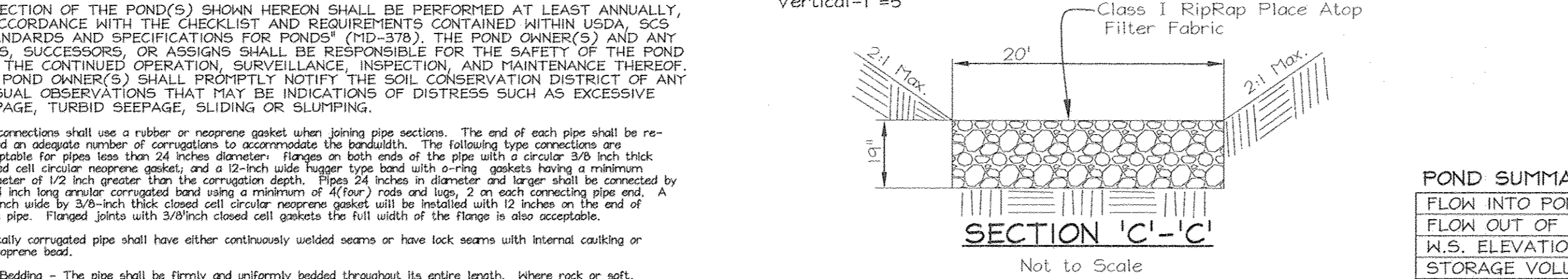
Pipe Conduits

All pipes shall be circular in cross section.

Corrugated Metal Pipe - All of the following criteria shall apply for corrugated metal pipe:

- Material - (Polymer Coated steel pipe) - Steel pipes with polymeric coating shall have a minimum coating thickness of 0.01 inch (0.25 mil) on both sides of the pipe. This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-246 or M-246 with underlign coating bands or flanges.
- Material - (Aluminum Coated Steel Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-274 with underlign coating bands or flanges. Aluminum Coated Steel Pipe when used with flowable fill or when soil and/or water conditions warrant for increased durability, shall be fully bituminous coated per requirements of AASHTO Specification M-190 Type A. Any aluminum coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer or two coats of asphalt.
- Material - (Aluminum Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-196 or M-196 with underlign coating bands or flanges. Aluminum Pipe, when used with flowable fill or when soil and/or water conditions warrant for increased durability, shall be fully bituminous coated per requirements of AASHTO Specification M-190 Type A. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer or two coats of asphalt. Hot dip galvanized bolts may be used for connections. The pH of surrounding soils shall be between 4 and 9.
- Coating, bands, anti-seep collars and sections, etc., must be composed of the same material and coatings as the pipe. Flanges must be isolated from dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness.
- Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be sealed all around when the pipe and riser are made and before the concrete is placed. Connections to the pipe in such a manner as to be completely watertight. Dimple bands are not considered to be watertight.

SECTION ALONG EMBANKMENT
Scale: Horizontal-1"=50'
Vertical-1"=5'



NOTES:

- Steel to conform to ASTM A-36.
- All surfaces to be coated with ZRC cold galvanizing compound after welding.
- Trash rack to be fastened to the concrete with 1/2" masonry anchors. Trash rack to be removable.
- Center trash rack over the two (2) orifice openings in weir structure.

Concrete

Concrete shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 404, Mix No. 3.

Rip Rap

Rip rap shall meet the requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction Materials, Section 311.

Geotextile

Geotextile shall be placed under all riprap and shall meet requirements of Maryland Department of Transportation, State Highway Administration Standard Specifications for Construction and Materials, Section 421.09, Class C.

Care of Water during Construction

All work on permanent structures shall be carried out in areas free from water. The Contractor shall construct and maintain all temporary dikes, levees, channels, and stream diversions necessary to protect to be occupied by the permanent works. The Contractor shall also furnish, install, operate, and maintain all necessary pumping and other equipment required for removal of water from various parts of the work and for maintaining the excavations, foundation, and other parts of the work free from water as required or directed by the engineer for constructing each part of the work. After having served their purpose, all temporary protective works shall be removed or leveled and graded to the extent required to prevent obstruction in any degree whatsoever of the flow of water to the spillway or outlet works and so as not to interfere in any way with the operation or maintenance of the structure. Stream diversions shall be maintained until the full flow can be passed through the permanent works. The removal of water from the required excavation and the foundation shall be accomplished in a manner and to the extent that will maintain stability of the excavated slopes and bottom required excavations and will allow satisfactory performance of all construction operations. During the piling and compaction of material in required excavations, the water level at the locations being refilled shall be maintained below the bottom of the excavation at such locations which may require draining the water sumps from which the water shall be pumped.

Stabilization

All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and borrow areas, shall be stabilized by seeding, fertilizing and mulching in accordance with the Natural Resources Conservation Service Standards and Specifications for Critical Area Planting (FD-342) or as shown on the accompanying drawings.

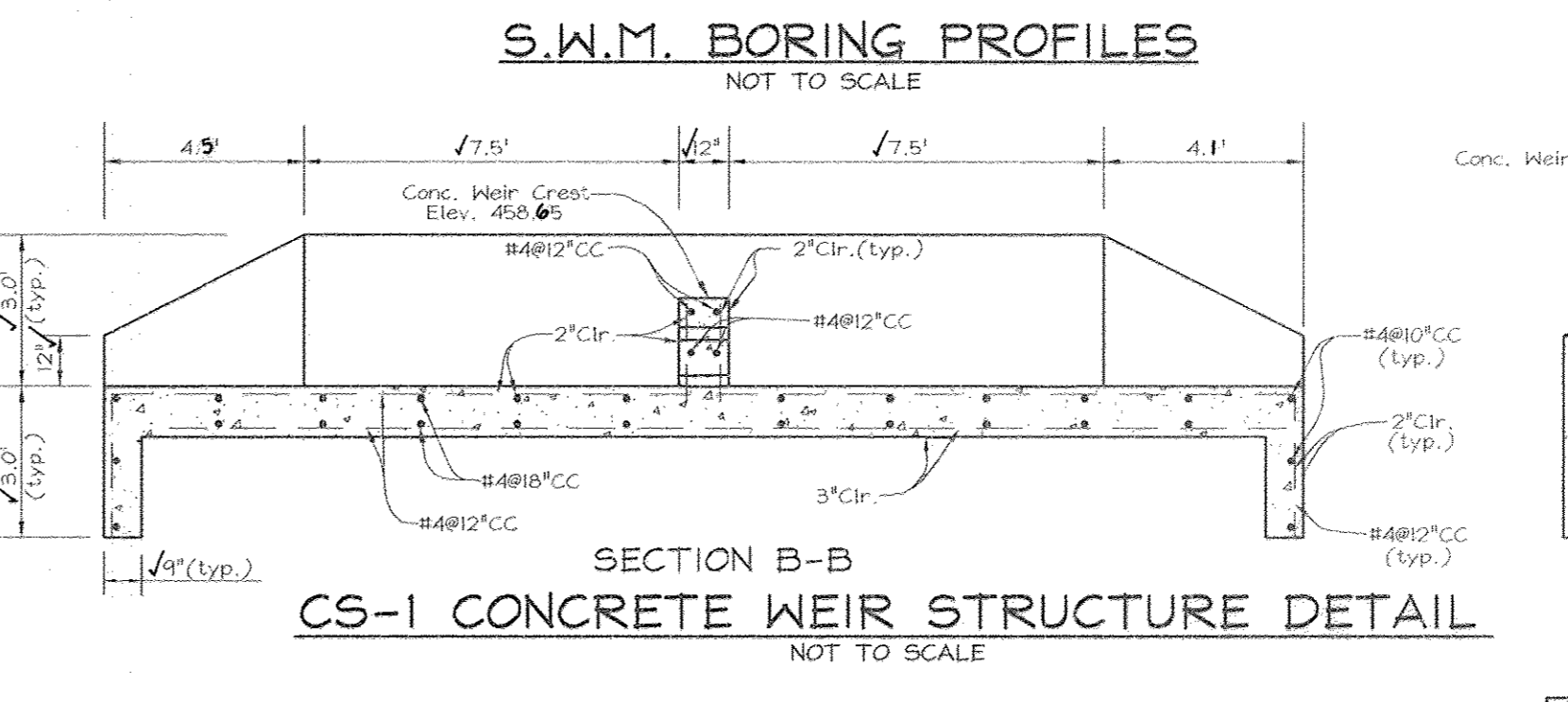
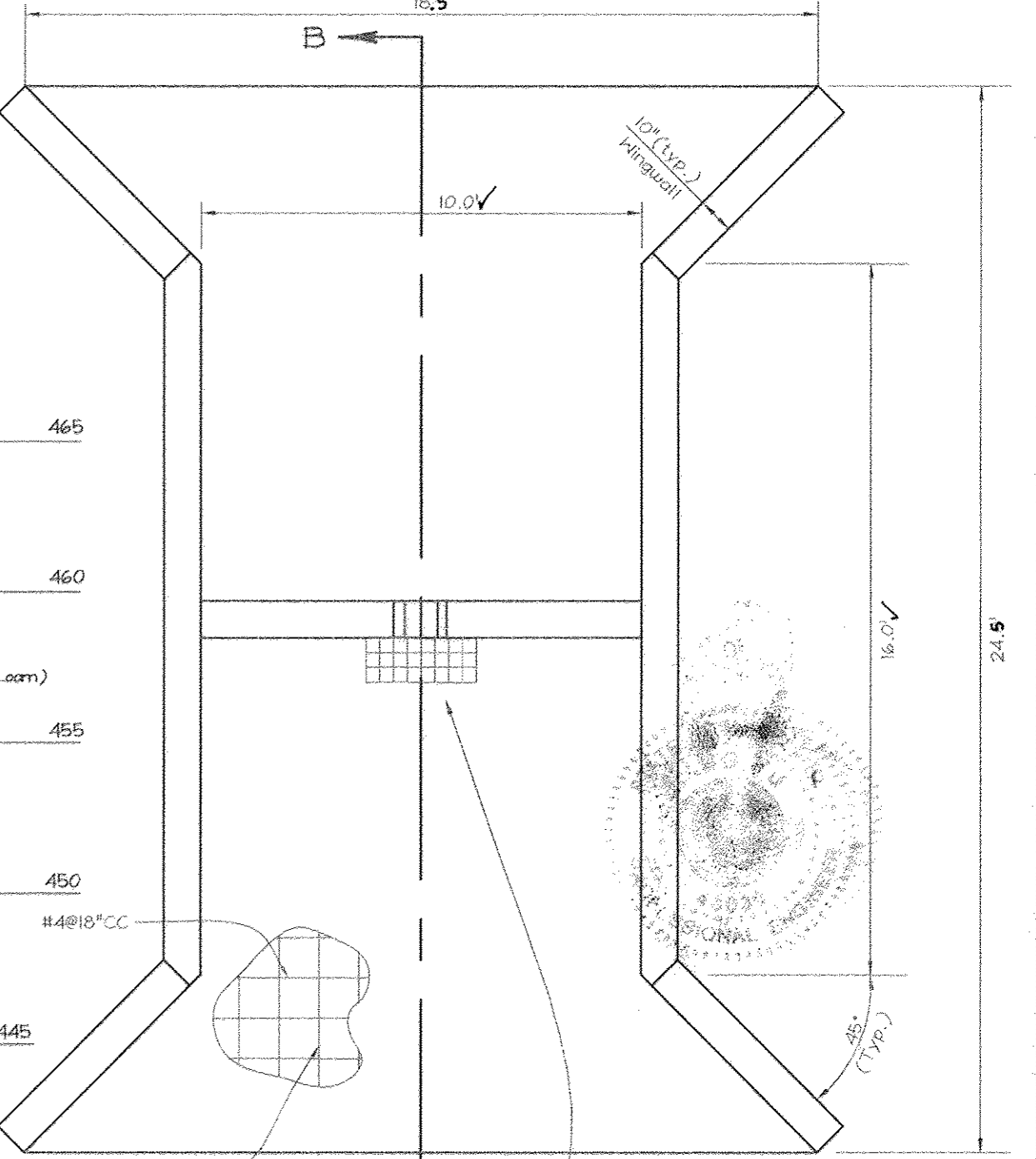
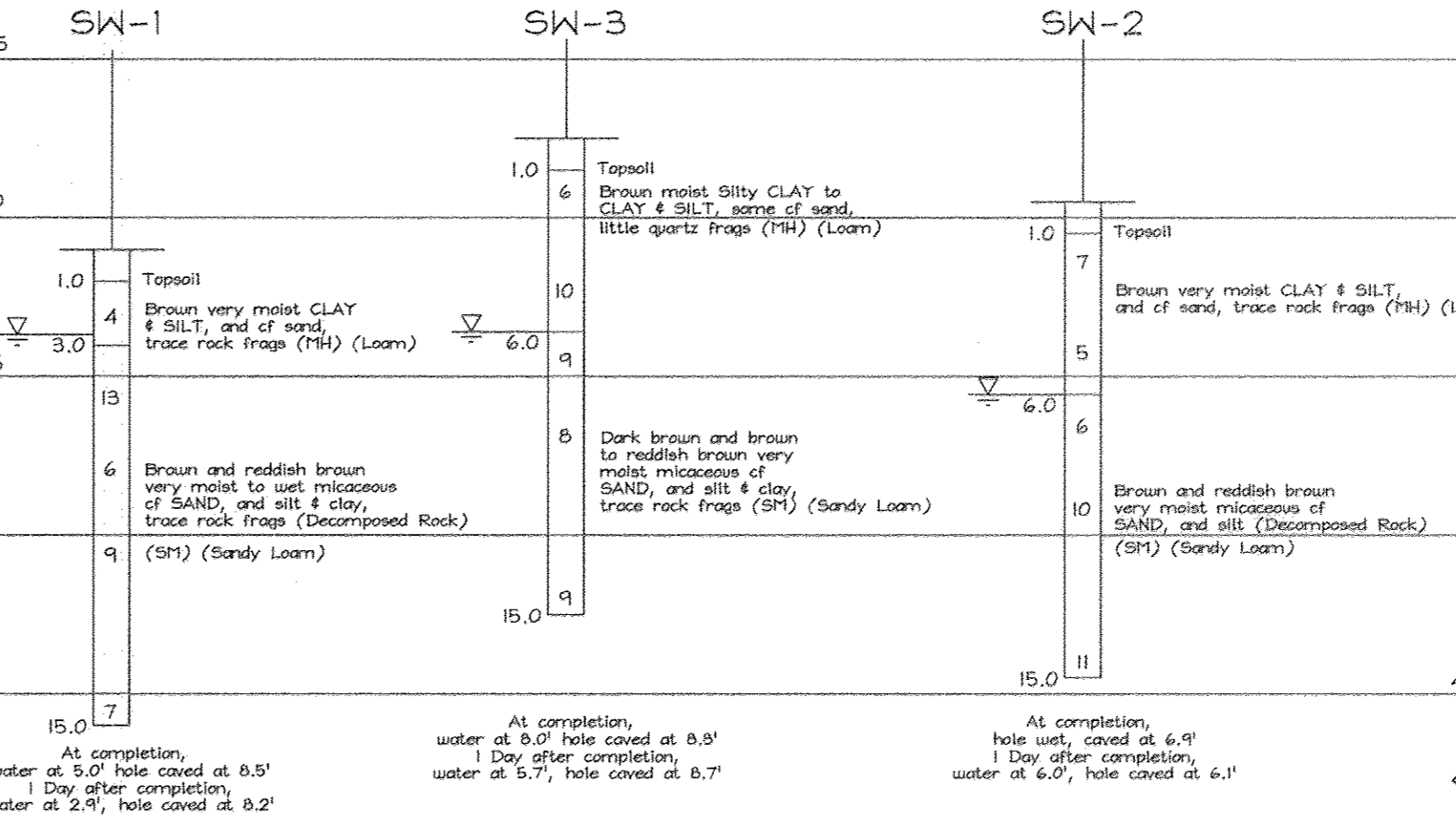
Erosion and Sediment Control

Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures.

POND SUMMARY

	1 YEAR	10 YEAR	100 YEAR	W.Q.	Recharge Obligation
FLOW INTO POND	7.03 c.f.s.	32.93 c.f.s.	57.12 c.f.s.	6.20 c.f.s.	Rev Required: 0.098 ACFT
FLOW OUT OF POND	0.22 c.f.s.	25.35 c.f.s.	44.67 c.f.s.	0.10 c.f.s.	Rev Provided: N/A
W.S. ELEVATION	458.75	459.54	460.03	457.63	Rea Required: 1.15 Ac
STORAGE VOLUME	0.52 ACFT	0.45 ACFT	0.73 ACFT	0.27 ACFT	Rea Prov'd.: 1.34 Ac ±

* Additional W.Q. volume is provided in the wet pool.



As-BUILT SECTION A-A

NOTES:

- All exposed edges to have a 3/4"x3/4" chamfer or as directed.
- Concrete shall be SH-3500 (at 28 days).
- Reinforcing steel shall be ASTM A-615 grade 60.

OPERATION AND MAINTENANCE SCHEDULE FOR STORMWATER MANAGEMENT DETENTION FACILITY

STORMWATER MANAGEMENT FACILITY

ROUTINE MAINTENANCE

- FACILITY SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHOULD BE PERFORMED DURING FINE WEATHER TO DETERMINE THAT THE FACILITY IS FUNCTIONING PROPERLY.
- TOP AND SIDE SLOPES OF THE EMBANKMENT SHALL BE MOWED A MINIMUM OF TWO (2) TIMES A YEAR, ONCE IN JUNE AND ONCE IN SEPTEMBER. OTHER SIDE SLOPES AND MAINTENANCE ACCESS SHOULD BE MOWED AS DEEMED.
- DEBRIS AND LITTER NEXT TO THE OUTLET STRUCTURE SHALL BE REMOVED DURING REGULAR MOWING OPERATIONS AND AS NEEDED.
- VISIBLE SIGNS OF EROSION IN THE POND AS WELL AS RIPRAP OUTLET AREAS SHALL BE REPAIRED AS SOON AS IT IS NOTICED.

NON-ROUTINE MAINTENANCE

- STRUCTURAL COMPONENTS OF THE POND SUCH AS THE DAM AND THE CONCRETE WEIR SHALL BE REPAIRED UPON DETECTION OF ANY DAMAGE. THE COMPONENTS SHOULD BE INSPECTED DURING ROUTINE MAINTENANCE OPERATIONS.
- SEDIMENT SHOULD BE REMOVED WHEN ITS ACCUMULATION SIGNIFICANTLY REDUCES THE DESIGN STORAGE, INTERFERES WITH THE FUNCTION OF THE WEIR, WHEN DEEMED NECESSARY FOR AESTHETIC REASONS, OR WHEN DEEMED NECESSARY BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
- SEDIMENT REMOVAL IN THE FOREBAY SHALL OCCUR WHEN 50% OF THE TOTAL FOREBAY CAPACITY HAS BEEN LOST.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Donna M. ... 3-17-07
COUNTY HEALTH OFFICER / SRK
HOWARD COUNTY HEALTH DEPARTMENT

OWNER/DEVELOPER

TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

... 4/17/03
DIRECTOR
CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

... 3/11/03
USDA-NATURAL RESOURCES CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

... 3/11/03
HOWARD SCD

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Zacharia Y. Fisch 3-5-03
SIGNATURE OF ENGINEER
ZACHARIA Y. FISCH

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Lynn Abramson 3/5/03
SIGNATURE OF DEVELOPER (President)

STORMWATER MANAGEMENT NOTES AND DETAILS

TEMPLE ISAIAH

PHASE I

RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY

TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@com

DESIGN BY: FS
DRAWN BY: M2
CHECKED BY: ZYF
SCALE: As Shown
DATE: March 04, 2003
W.D. No.: 3602
SHEET No.: 12 OF 24

LANDSCAPING SCHEDULE

LEYLAND CYPRESS (CUPRESSUS X LEVLANDI)	10	5'-0" - 6'-0"
PLANT SPECIES	NO.	HEIGHT

NOTES:
 (1) THE CONTRACTOR SHALL USE THE SUPPLIES SUPPLIED BY THE SURVEYOR TO LOCATE THE AREAS WHERE THE EXISTING SEPTIC PUMPS AND WELL LINES INTERSECT THE PROPOSED UTILITY EASEMENTS. IN THESE LOCATIONS THE EXISTING SEPTIC AND WELL LINES SHALL BE REMOVED AND REPLACED IN THE AREAS WITH 8" OVERLAP OUTSIDE OF THE PROPOSED EASEMENT. THE REPLACEMENT LINES SHALL BE OF THE SAME MATERIAL AND SIZE AS THE ONES REMOVED. THE REPLACEMENT LINES SHALL BE RUN WITHIN A PVC CONDUIT THAT IS 1" LARGER IN DIAMETER THAN THE EXISTING AND BE RUN THE ENTIRE LENGTH FROM INSIDE THE PROPOSED EASEMENT ON BOTH SIDES. CONTRACTOR SHALL CONTACT THESE LINES BELOW AND ABOVE THE REPAIRED LINES PER UTILITY STANDARDS AND WARNING TAPE.
 (2) DEPTHS AND LOCATION OF SEPTIC LINES, WELL LINES AND SEWAGE DISPOSAL TRENCHES ARE BASED UPON A PRELIMINARY FIELD INVESTIGATION PERFORMED BY MASER CONSULTING ON 12/20/01 & USING A GROUND PENETRATING RADAR (GPR) DEVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, DEPTHS AND MATERIALS IN FIELD PRIOR TO ONSET OF CONSTRUCTION.

LOCATION OF SEWAGE DISPOSAL TRENCHES

LOCATION OF EXISTING WELL LINES

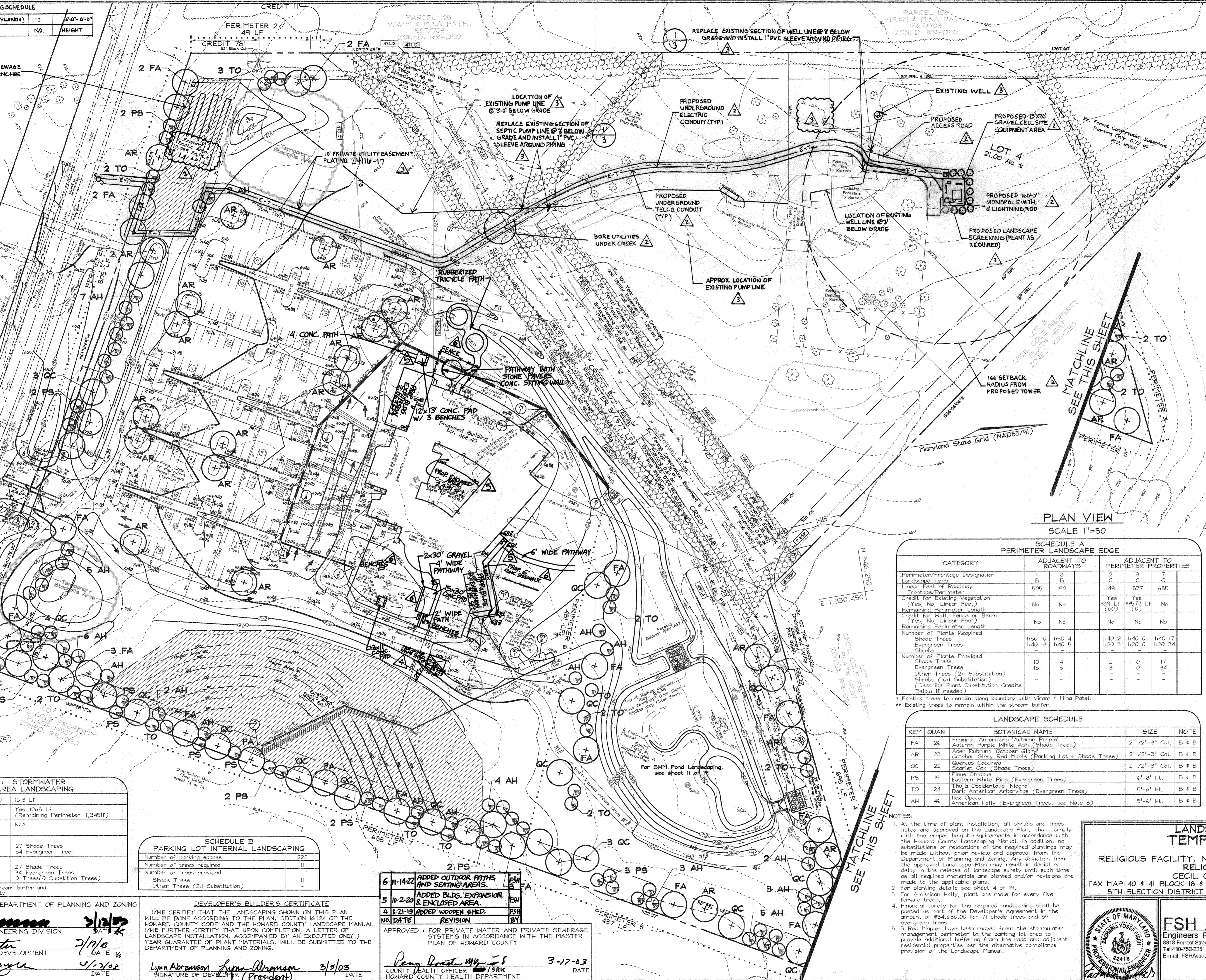
LOCATION OF EXISTING SEPTIC PUMPS

LOCATION OF EXISTING SEWAGE TRENCHES

LOCATION OF EXISTING UTILITY EASEMENTS

LOCATION OF EXISTING PERIMETER WALLS

LOCATION OF EXISTING DRIVEWAYS



NOTE:
 FINANCIAL SURETY FOR THE REQUIRED TELECOMMUNICATIONS FACILITY LANDSCAPING SHALL BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$1,500 FOR 10 SHADE TREES

LEGEND

- Existing Contour
- Proposed Contour
- Existing Spot Elevation
- Proposed Spot Elevation
- Direction of Flow
- Existing Trees to Remain
- Proposed Shade Trees
- Proposed Evergreen Trees
- Proposed Grass Swale
- Light Poles

PLAN VIEW
 SCALE 1"=50'

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS		ADJACENT TO PERIMETER PROPERTIES			
	1	2	3	4	5	6
Perimeter/Frontage Designation	B	B	C	C	C	C
Linear Feet of Roadway	505	190	149	577	685	685
Frontage/Perimeter						
Credit for Existing Vegetation (Yes, No, Linear Feet)	No	No	Yes (60)	Yes (145)	Yes (145)	No
Remaining Perimeter Length						
Credit for Wall, Fence or Berm (Yes, No, Linear Feet)	No	No	No	No	No	No
Remaining Perimeter Length						
Number of Plants Required						
Shade Trees	150	10	150	4	140	17
Evergreen Trees	140	15	140	5	120	34
Shrubs						
Number of Plants Provided						
Shade Trees	10	4	2	0	17	
Evergreen Trees	13	5	3	0	34	
Other Trees (2:1 Substitution)	-	-	-	-	-	
Shrubs (10:1 Substitution)	-	-	-	-	-	
Shrubs (10:1 Substitution)	-	-	-	-	-	

LANDSCAPE SCHEDULE

KEY	QUAN.	BOTANICAL NAME	SIZE	NOTE
FA	26	Fraxinus Americana 'Autumn Purple'	2 1/2" - 3"	B # B
AR	23	Acer Rubrum 'October Glory'	2 1/2" - 3"	B # B
QC	22	Quercus Coccinea	2 1/2" - 3"	B # B
PS	19	Pinus Strobus	6' - 8' Ht.	B # B
TO	24	Thuja Occidentalis 'Niagara'	5' - 6' Ht.	B # B
AH	46	Ilex Opaca	5' - 6' Ht.	B # B

NOTES:
 1. At the time of plant installation, all shrubs and trees listed and approved on the Landscape Plan, shall comply with the proper height requirements in accordance with the Howard County Landscaping Manual. In addition, no substitutions or relocations of the required plantings may be made without prior review and approval from the Department of Planning and Zoning. Any deviation from the approved Landscape Plan may result in denial or delay in the release of landscape surety until such time as all required materials are planted and/or revisions are made to the applicable plans.
 2. For planting details see sheet 4 of 19.
 3. For American Holly, plant one male for every five female trees.
 4. Financial surety for the required landscaping shall be posted as part of the Developer's Agreement in the amount of \$24,650.00 for 71 shade trees and 89 evergreen trees.
 5. 3 Red Maples have been moved from the stormwater management perimeter to the parking lot area to provide additional buffering from the road and adjacent residential properties per the alternative compliance provision of the Landscape Manual.

SCHEDULE D: STORMWATER MANAGEMENT AREA LANDSCAPING

Linear Feet of Perimeter (P-4,5,46)	1613 Lf
Credit for Existing Vegetation (No, Yes and Linear Feet)	Yes 1268 Lf (Remaining Perimeter: 1,345 Lf)
Credit for other Landscaping (No, Yes and %)	N/A
Number of Trees Required	27 Shade Trees 34 Evergreen Trees
Number of Trees Provided	27 Shade Trees 34 Evergreen Trees 0 Trees (0 Substitution)

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING

Number of parking spaces	222
Number of trees required	11
Number of trees provided	11
Shade Trees	11
Other Trees (2:1 Substitution)	-

6-11-14-22	ADDED OUTDOOR PATHS AND SEATING AREAS.	ESH	FA
5-10-2-20	ADDED BLDG. EXPANSION & ENCLOSED AREA.	ESH	PSH
4-8-21-19	ADDED WOODEN SHED.	ESH	PSH
NO DATE	REVISION	BY	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director

DEVELOPER'S BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
 Lynn Abramson
 SIGNATURE OF DEVELOPER (President)

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 County Health Officer
 Howard County Health Department

SEAL
 STATE OF MARYLAND
 JIANG YU
 PROFESSIONAL ENGINEER
 JIANG YU
 PROFESSIONAL ENGINEER
 JIANG YU
 PROFESSIONAL ENGINEER

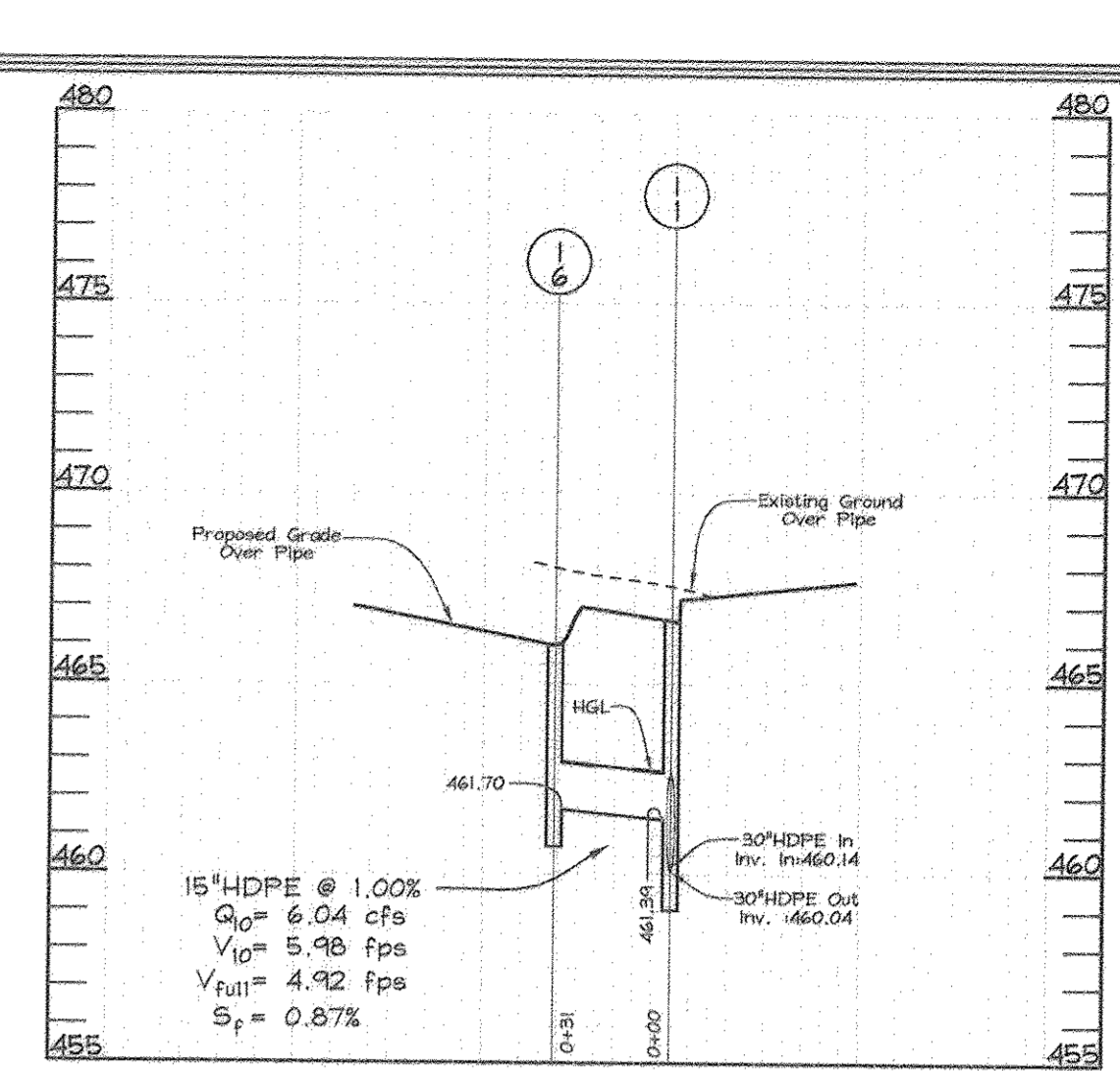
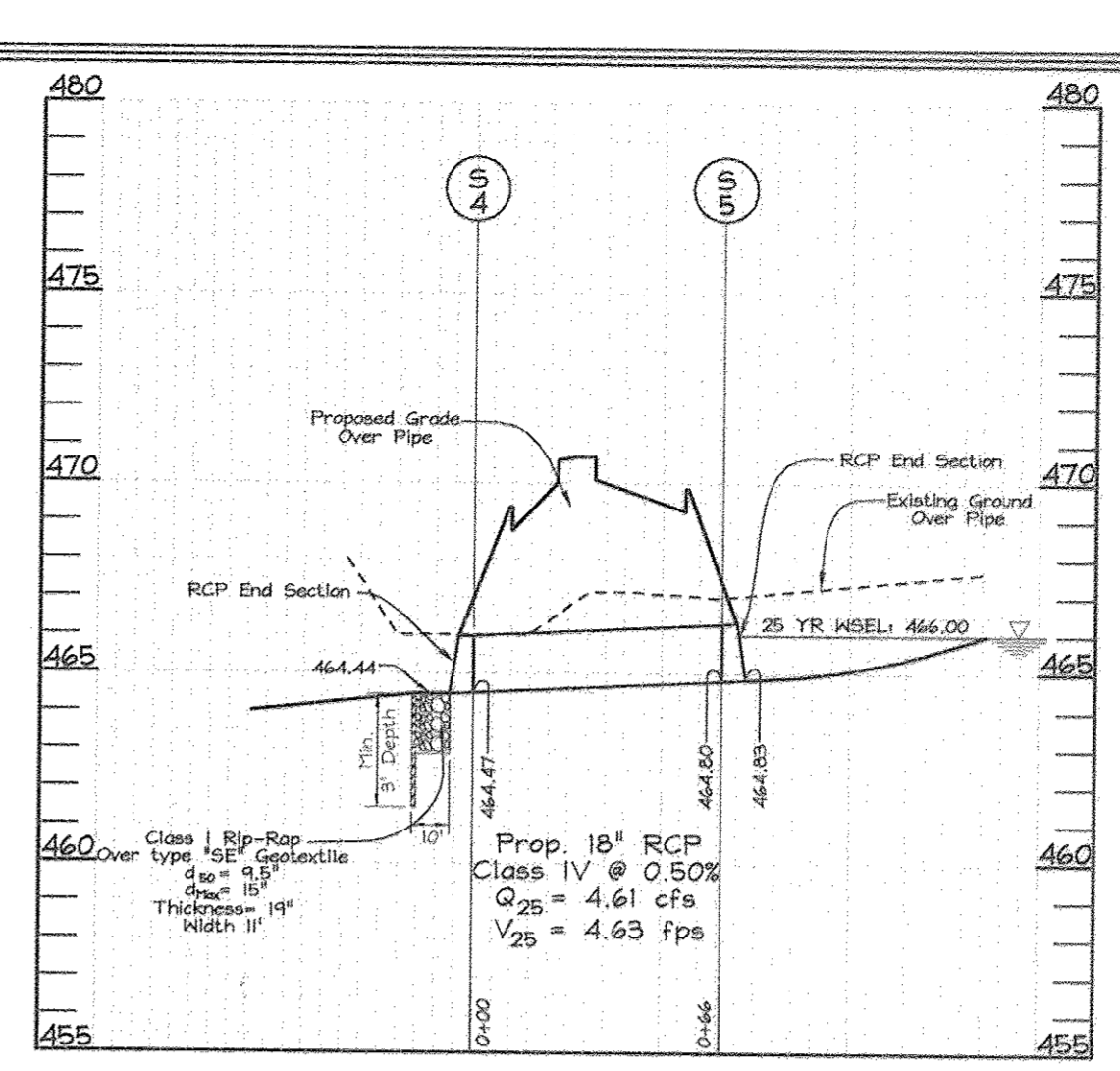
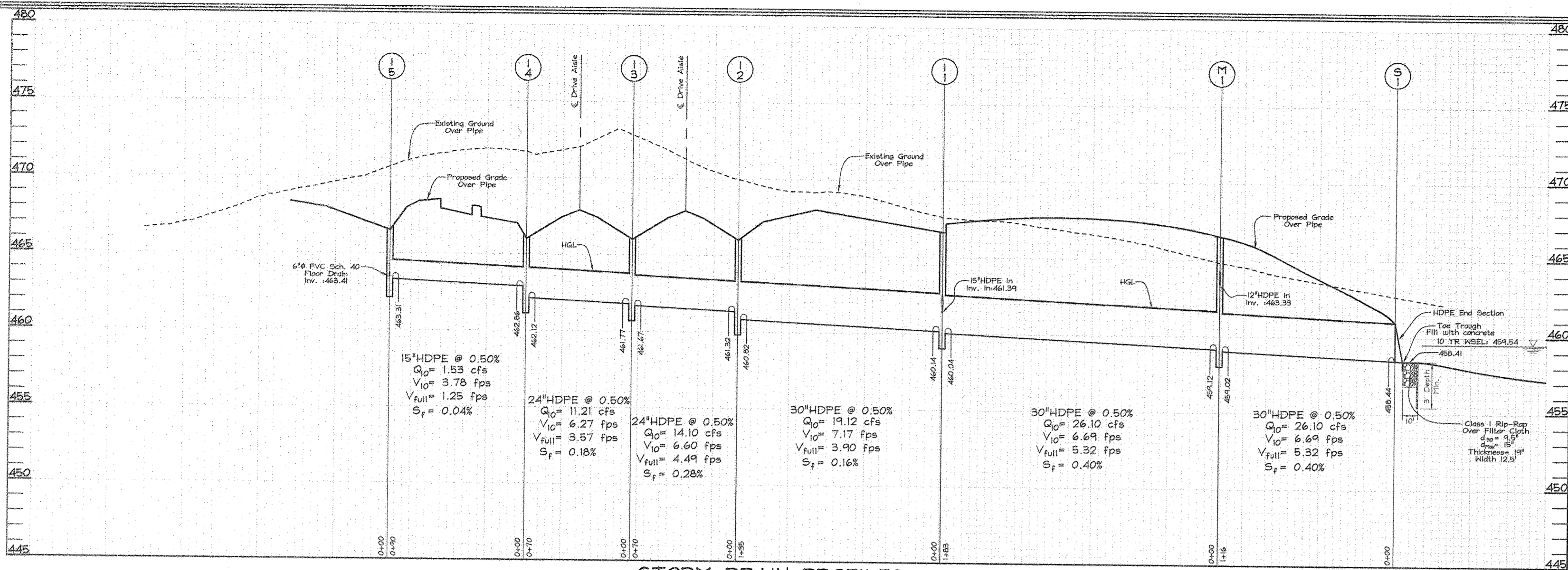
DEWBERRY CONSULTANTS LLC
 3106 LORD BALTIMORE DRIVE
 SUITE 110
 BALTIMORE MD 21244
 PHONE: 410.269.9500 FAX: 410.269.8875

OWNER/DEVELOPER
 TEMPLE ISIAH
 c/o Robert Dubin
 5885 Robert Oliver Place
 Columbia, Maryland 21045
 202-466-3400

LANDSCAPE PLAN
TEMPLE ISIAH
 PHASE I SCHOOL AND PRIVATE
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE
 RELIGIOUS SCHOOL
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street, Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

DESIGN BY: PS
 DRAWN BY: M2
 CHECKED BY: ZTF
 SCALE: 1"=50'
 DATE: March 04, 2008
 K.O. No.: 3002
 SHEET NO. 13 OF 24

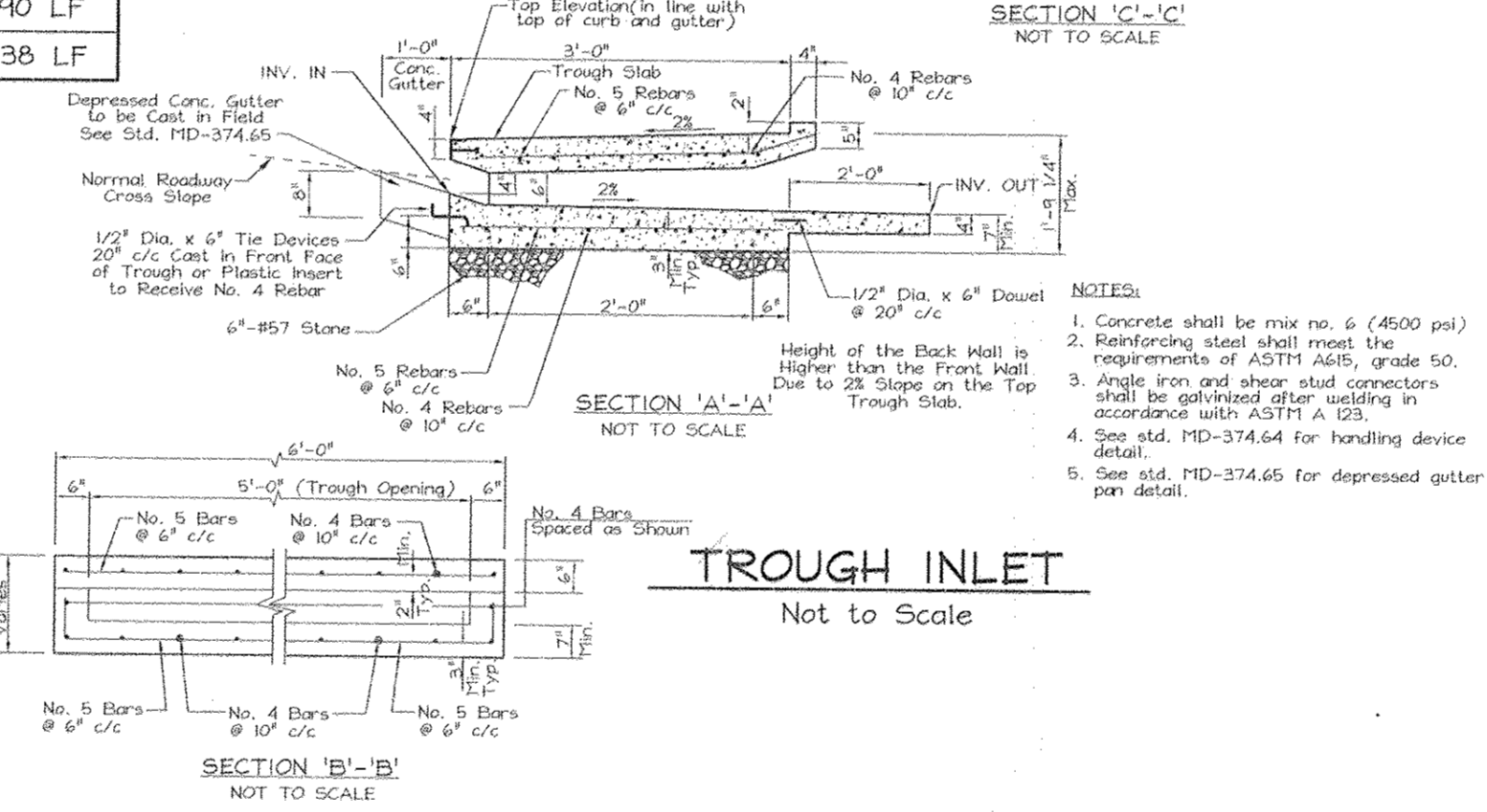
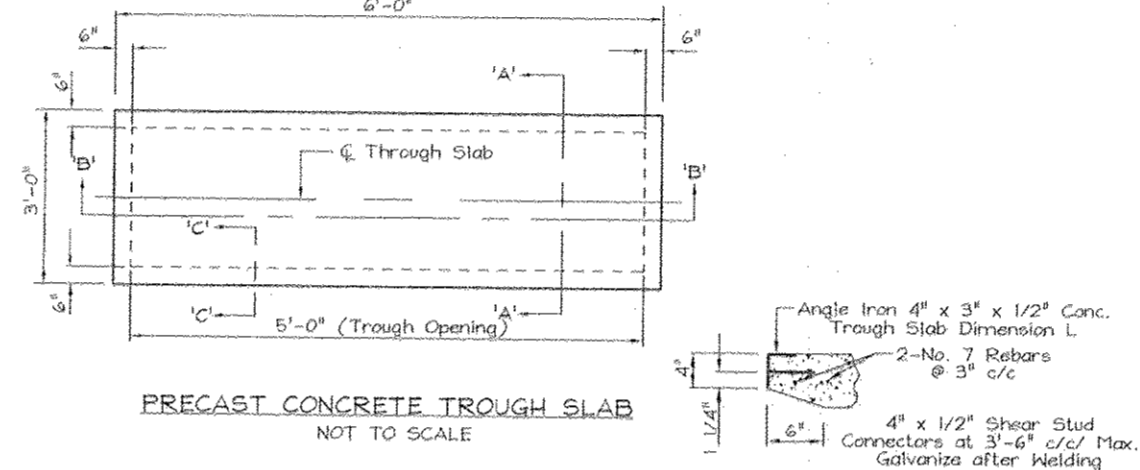


STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	LOCATION	TOP ELEV.	INV. IN	INV. OUT	REMARKS
1-1	Single Type 'S' Inlet	N 545,770.6 E 1,330,079.3	466.60	463.94	460.04	SD 4.22
1-2	Single Type 'S' Inlet	N 545,662.3 E 1,330,159.8	466.00	461.32	460.82	SD 4.22
1-3	Single Type 'S' Inlet	N 545,628.7 E 1,330,221.2	466.00	461.77	461.67	SD 4.22
1-4	Single Type 'S' Inlet	N 545,595.1 E 1,330,282.6	466.00	462.86	462.12	SD 4.22
1-5	Single Type 'S' Inlet	N 545,673.8 E 1,330,325.7	466.50	463.41	463.31	SD 4.22
1-6	Single Type 'S' Inlet	N 545,756.5 E 1,330,051.8	466.00	-	461.70	SD 4.22
1-7	Precast Concrete Trough Inlet	N 545,301.4 E 1,330,188.5	468.93	468.09	467.83	see details this sheet
1-8	Precast Concrete Trough Inlet	N 545,329.3 E 1,330,145.8	469.59	468.75	468.49	see details this sheet
M-1	Standard Precast Manhole (4')	N 545,920.8 E 1,330,184.1	466.50	463.39	459.92	G 5.12
S-1	30" HDPE End Section	N 545,978.7 E 1,330,284.6	460.94	458.44	458.41	Horizontal or Equivalent
S-2	18" Type 'C' Endwall	N 545,203.0 E 1,330,193.0	463.91	462.07	-	SD 5.21
S-3	18" RCP End Section	N 545,259.4 E 1,330,219.1	465.44	464.13	463.94	SD 5.51
S-4	18" RCP End Section	N 545,306.6 E 1,330,200.5	465.97	464.47	464.44	SD 5.51
S-5	18" RCP End Section	N 545,341.1 E 1,330,144.3	466.30	464.83	464.80	SD 5.51

STORM DRAIN PIPE SCHEDULE

SIZE	TYPE	LENGTH
12"	HDPE	29 LF
15"	HDPE	121 LF
18"	HDPE	20 LF
24"	HDPE	140 LF
30"	HDPE	434 LF
18"	RCP	90 LF
6"	PVC Schedule 40	138 LF

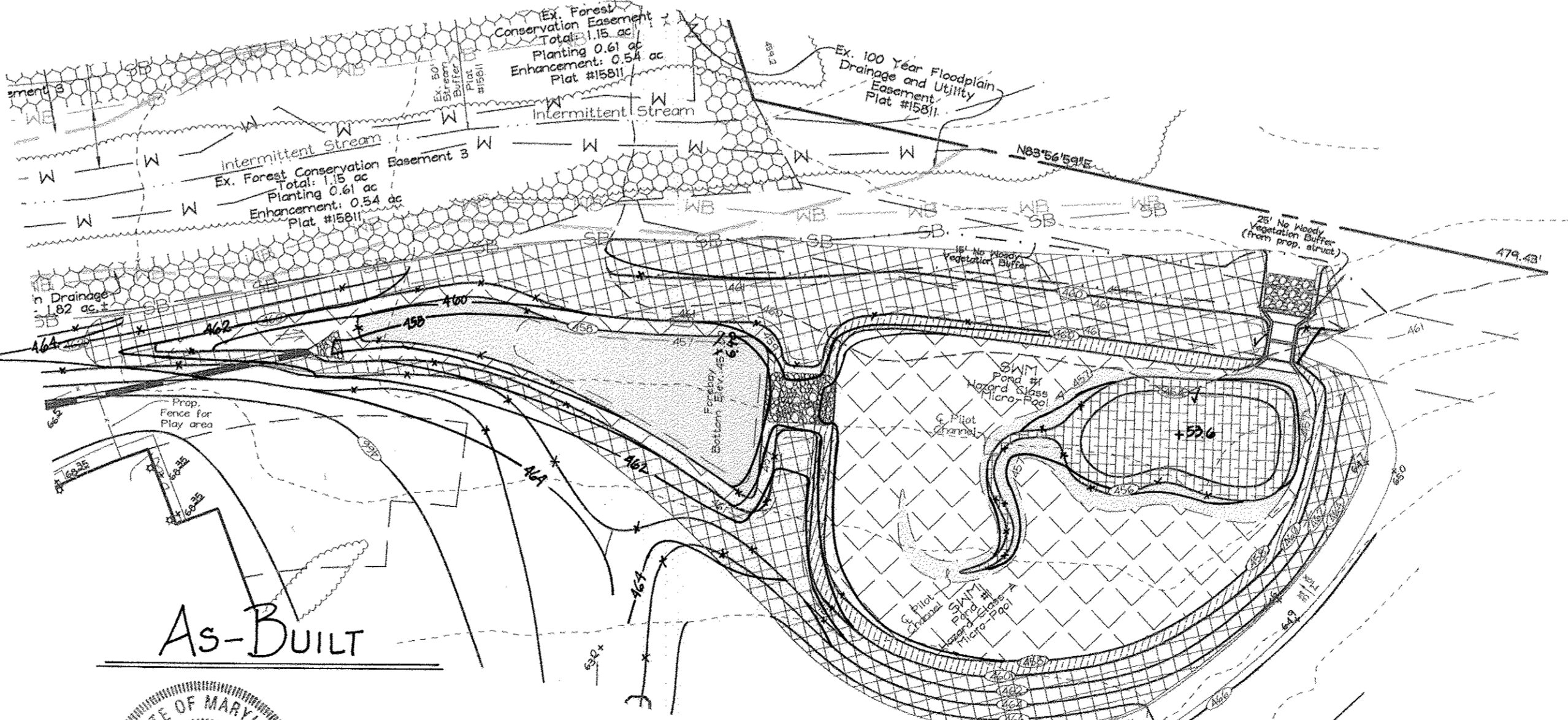
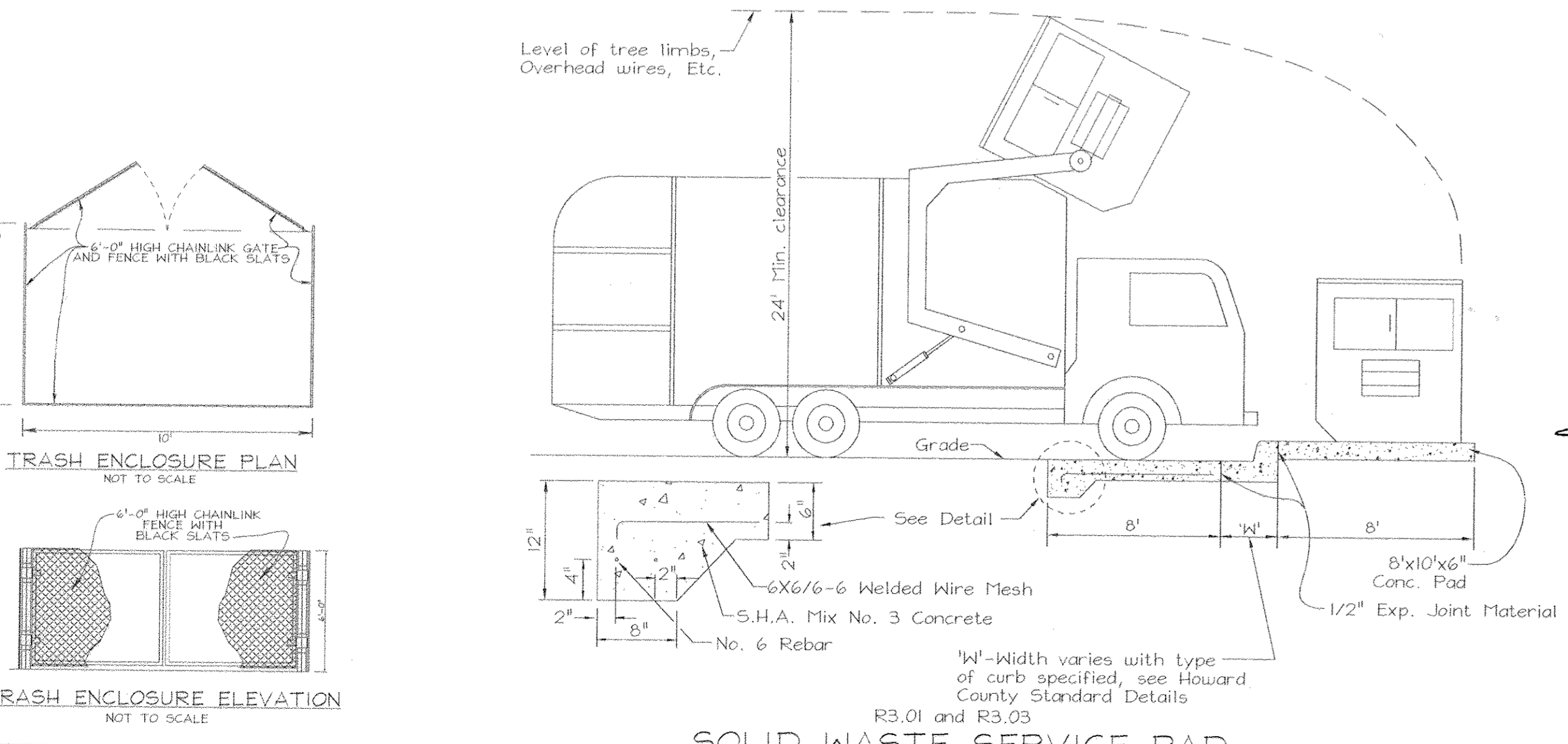


NOTES :

- Top elevations for Type 'S' Inlets along curb and gutters are to the center, edge of grate at the flow line. Top elevations for Type 'S' Inlets in grass areas are to the center top of grate.
- For Trough Inlet elevations, see detail this sheet.
- Top elevations for Precast Manholes are to the center top of manhole cover.
- Top slope of structures to conform to slope of paving.

LEGEND
(SNM Facility Hydrologic Zones Planting Requirements)

Zone 1 - 12"-36" depth below normal pool elevation	Water Lily, Deep Water Duck Potato, Sage Pond Plant, Wild Celery, Redhead Grass.
Zone 2 - 0"-12" depth below normal pool elevation	Blue Flag Iris, Duck Potato, Flowering Bulrush, Softrush, Sedges, Labelia, Pond Cypress, various asters.
Zone 3 - 0"-12" elevation above normal pool elevation	New England Aster, Marsh Aster, Marsh Marigold (Appalachian Plateau), Tussock Sedge, Spotted Joe Pye Weed, Forget Me Not, Inkberry, Purple, Osier Dogwood, Pin Oak, River Birch, Sycamore, Swamp White Oak, (Coastal Plain), Weeping Willow, Dawn Redwood.
Zone 4 - 1' to 4' elevation above normal pool elevation	Purple Cone Flower, Birds Foot Trefail, Slender Rush, Deer Tongue Grass, Lespedeza, Switch Grass, Serviceberry, Gray Birch, Hackberry, Sweet Pepper, Bush (Coastal Plain), Gray Stern Dogwood, Red Osier Dogwood, Green Ash.
Zone 5 (Zone 6 in SNM Manual) - of water surface elevation and above (Floodplain). Mostly ornamentals as long as soil drains well.	Many Natives. All species must be able to tolerate flood plain conditions. Hackberry, Pitch Pine, Sheep Fescue, Wildflowers, Many Native Grasses.



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Ad Damann 3/12/03
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE

Cindy Hamata 3/10/03
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE

Mark D. Cozette 3/13/03
 DIRECTOR
 DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Peng Donato MPE/FE 3-12-03
 COUNTY HEALTH OFFICER /SRK
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 22418
Richard W. ...
 DATE 3/14/05

OWNER/DEVELOPER

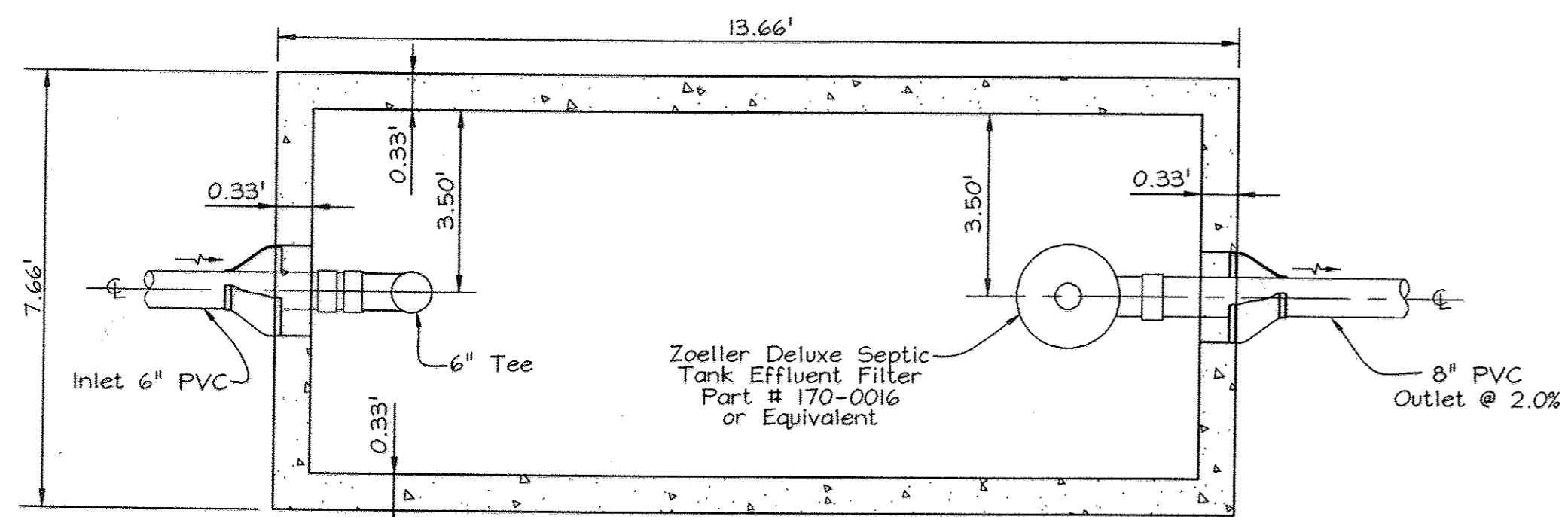
TEMPLE ISAJAH
 c/o Robert Dubin
 5885 Robert Oliver Place
 Columbia, Maryland 21045
 202-466-3400

Scale: 1" = 50'

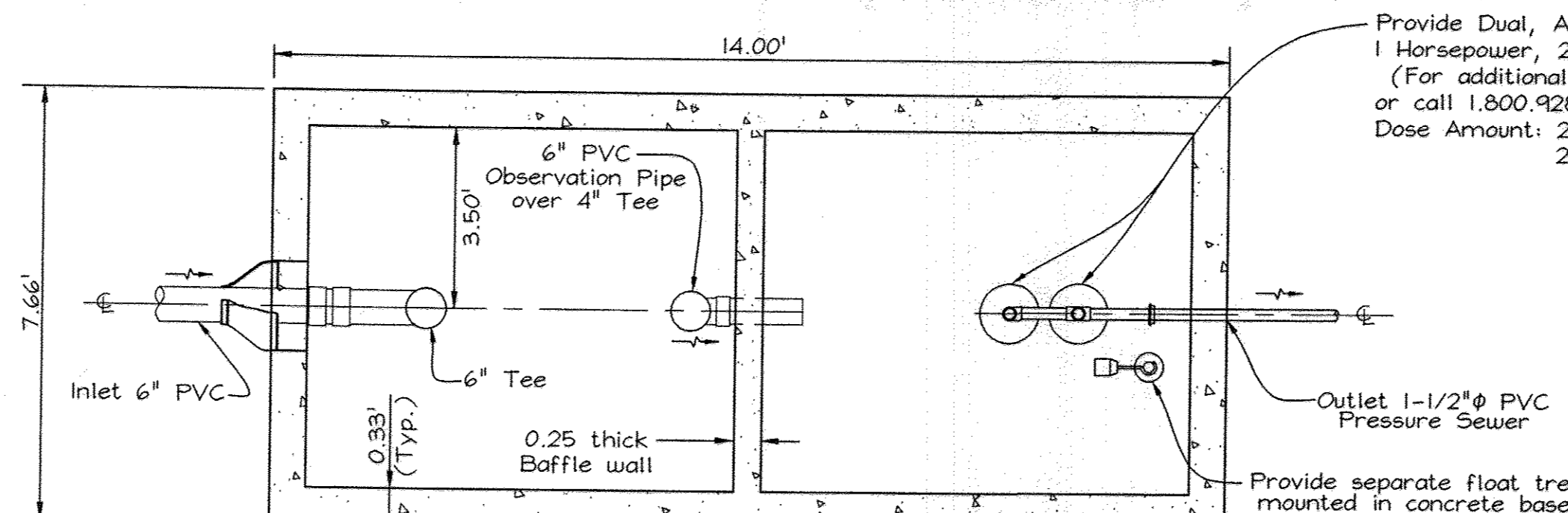
STORM DRAIN PROFILES, SWM FACILITY LANDSCAPING AND SITE DETAILS
TEMPLE ISAJAH
 PHASE I
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
 Engineers Planners Surveyors
 8318 Forest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

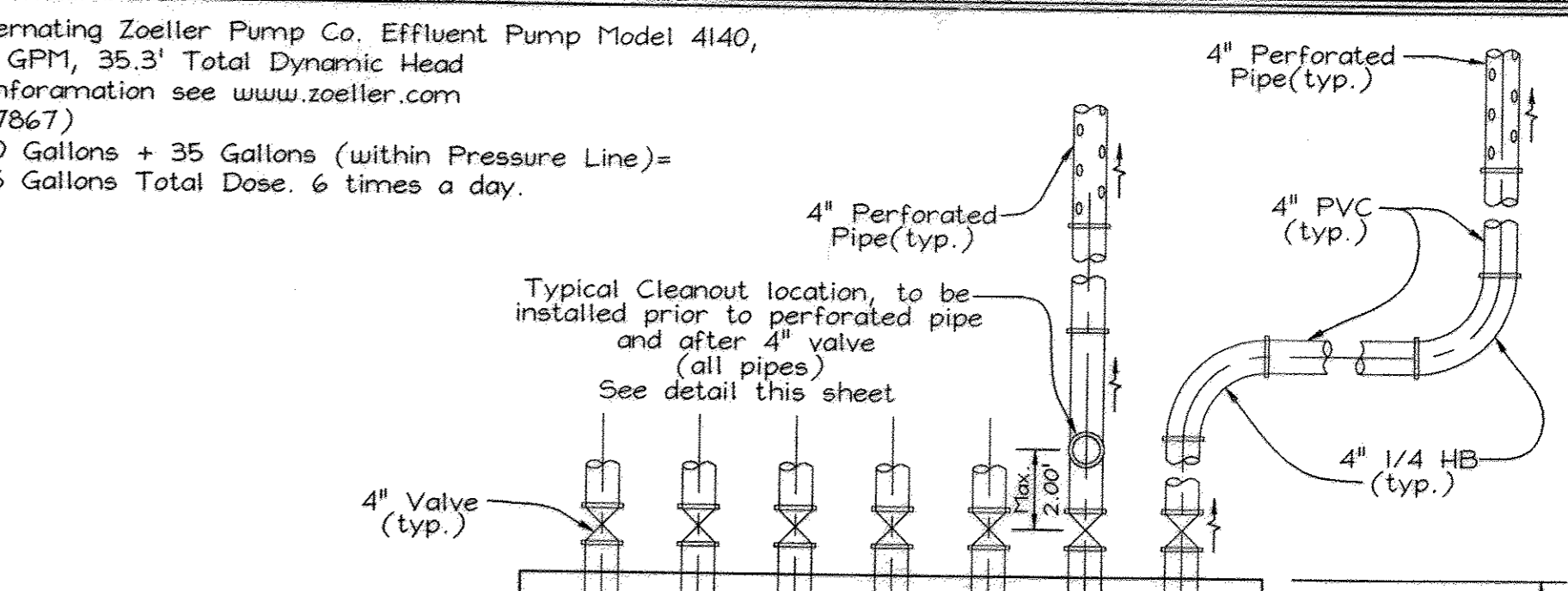
DESIGN BY: PS
 DRAWN BY: M2
 CHECKED BY: ZYE
 SCALE: 1"=30'
 DATE: March 04, 2003
 I.C. No.: 3002
 SHEET No.: 11 OF 24



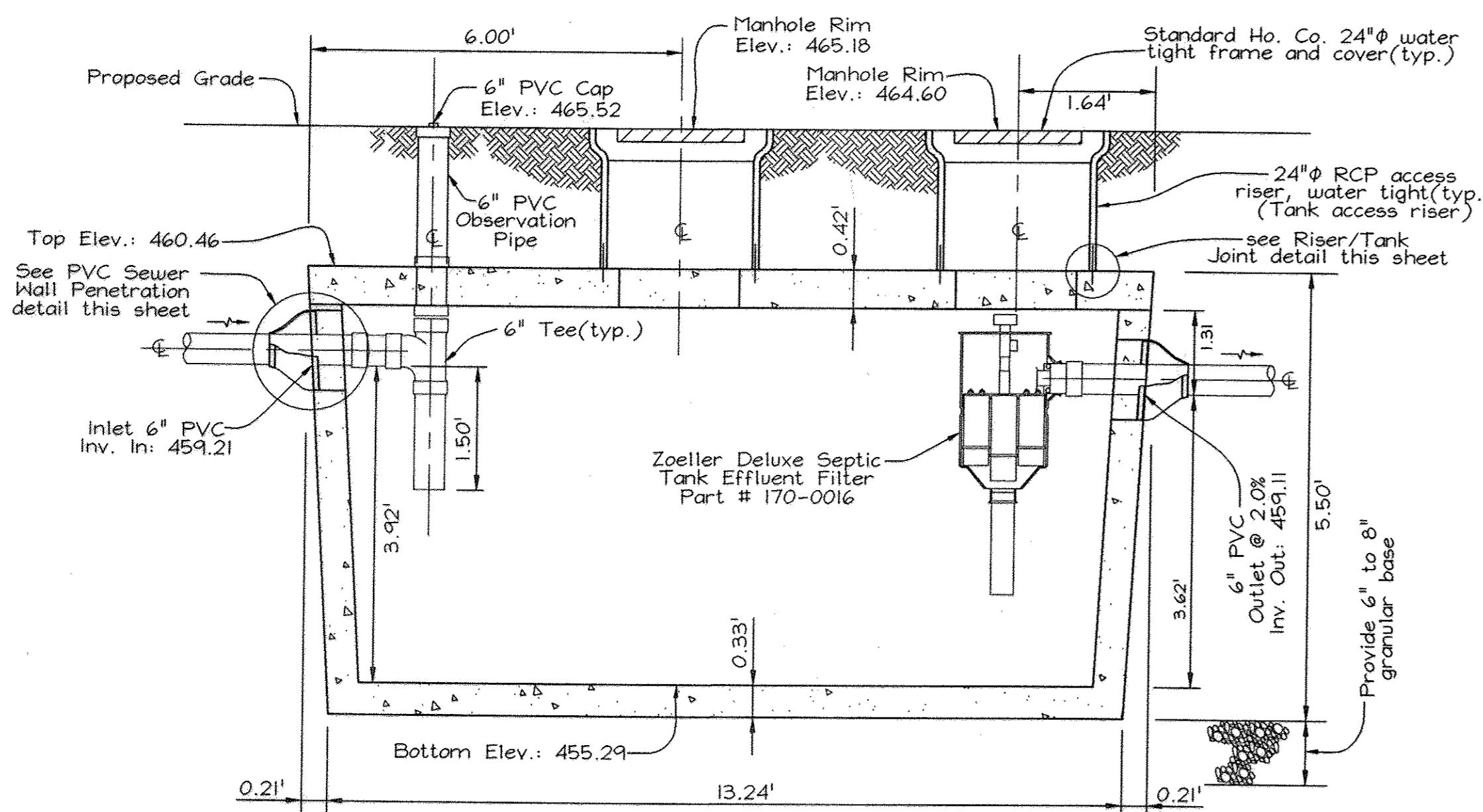
PLAN VIEW



PLAN VIEW

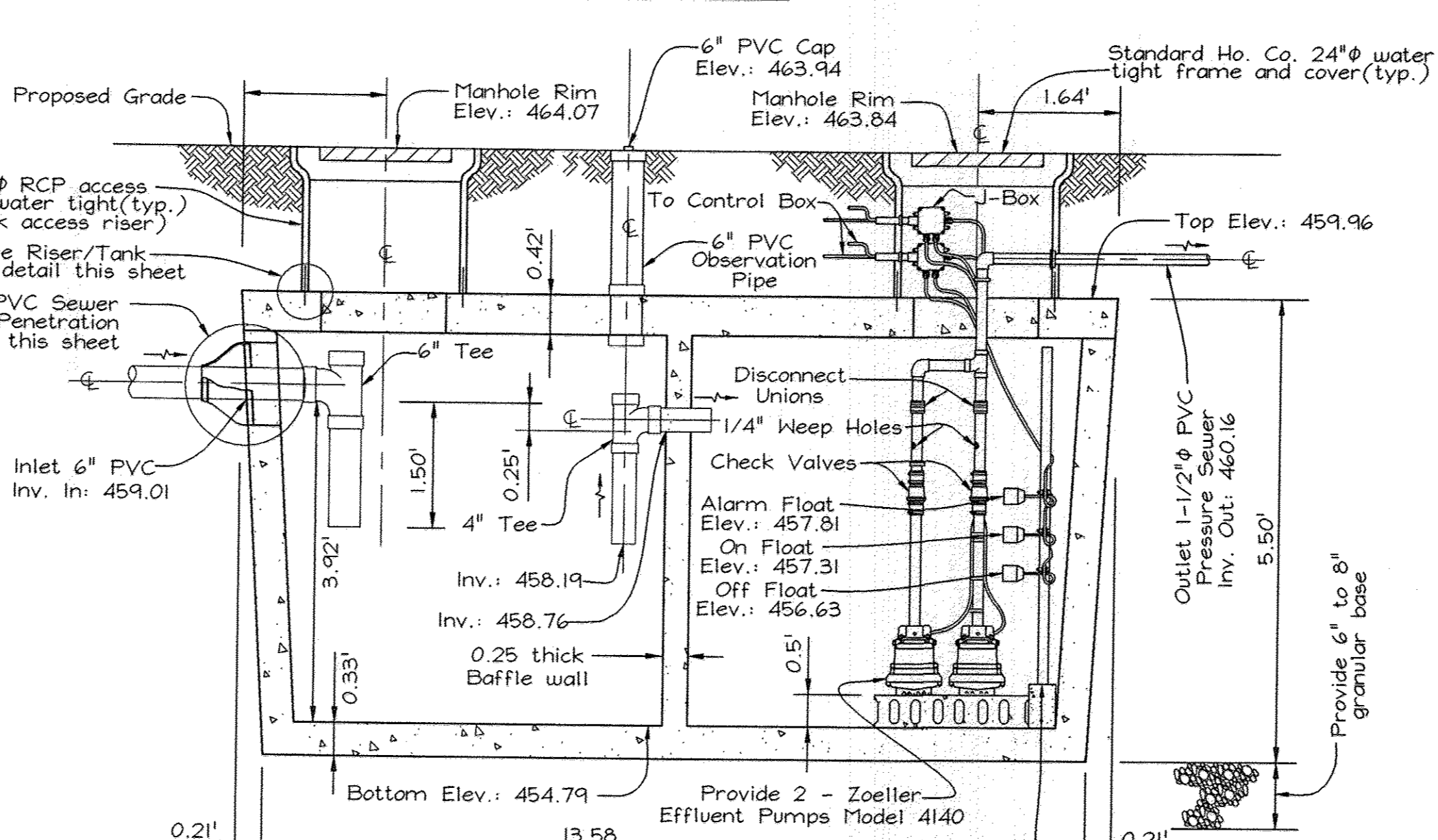


PLAN VIEW



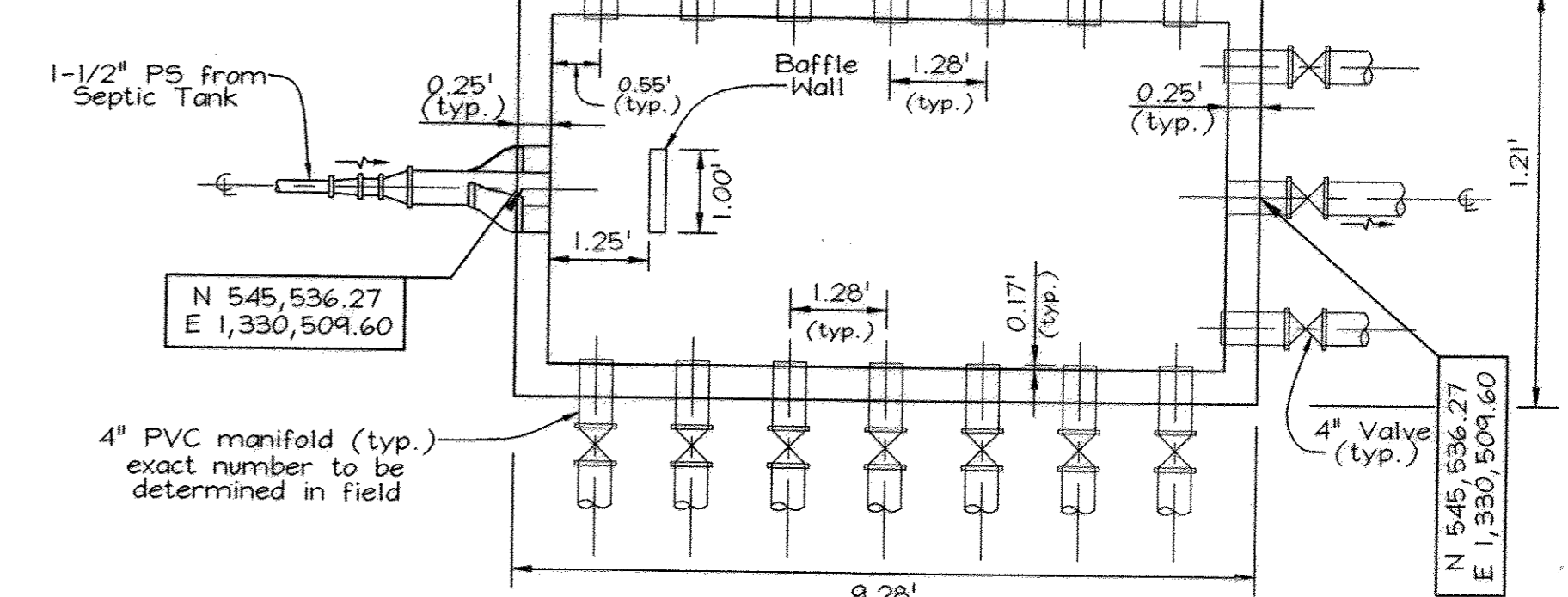
SECTION VIEW

3000 GALLON CONCRETE SEPTIC TANK ST-1
Not to Scale



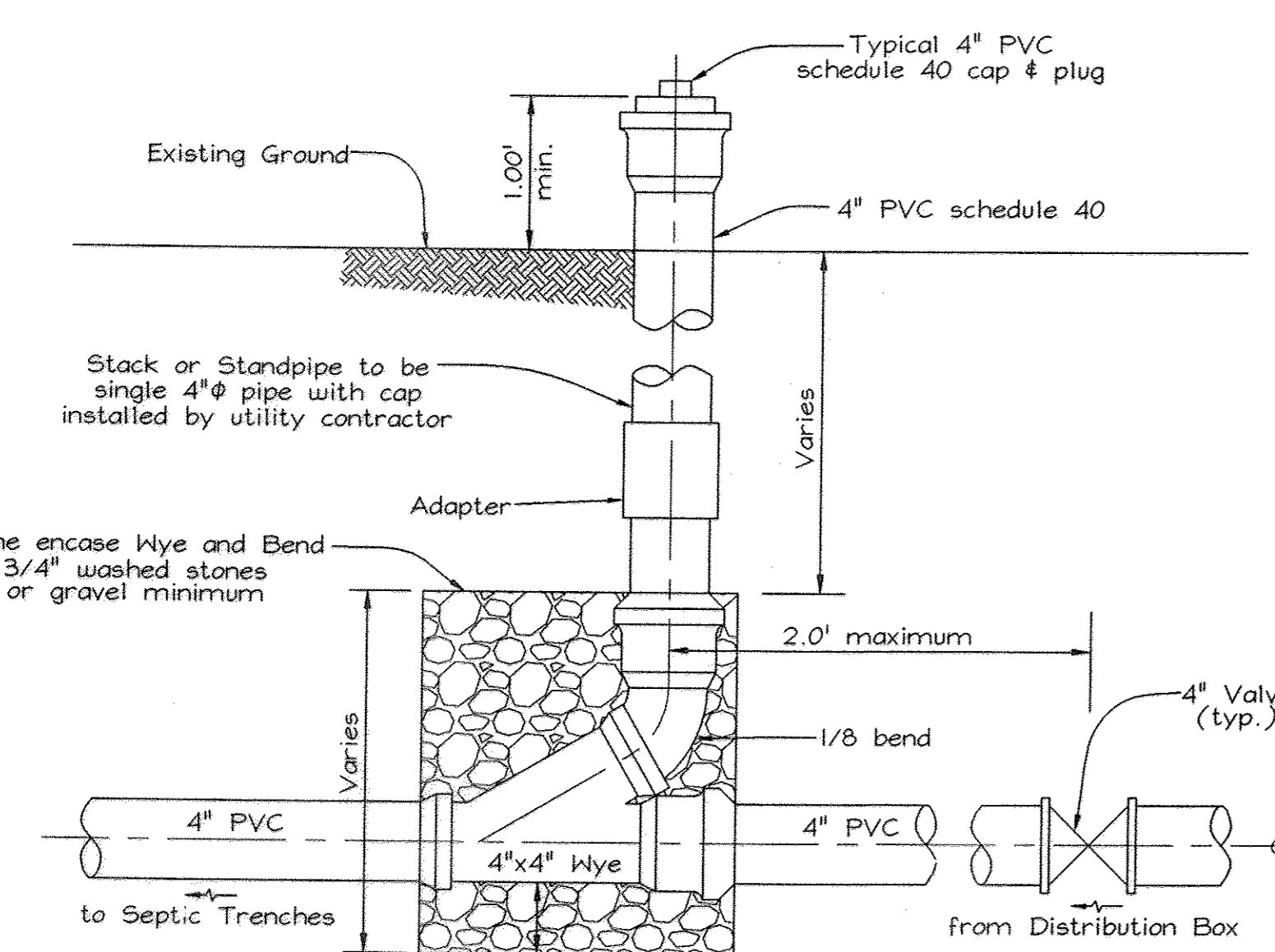
SECTION VIEW

4000 GALLON CONCRETE SEPTIC TANK/ WITH PUMP CHAMBER ST-2
Not to Scale



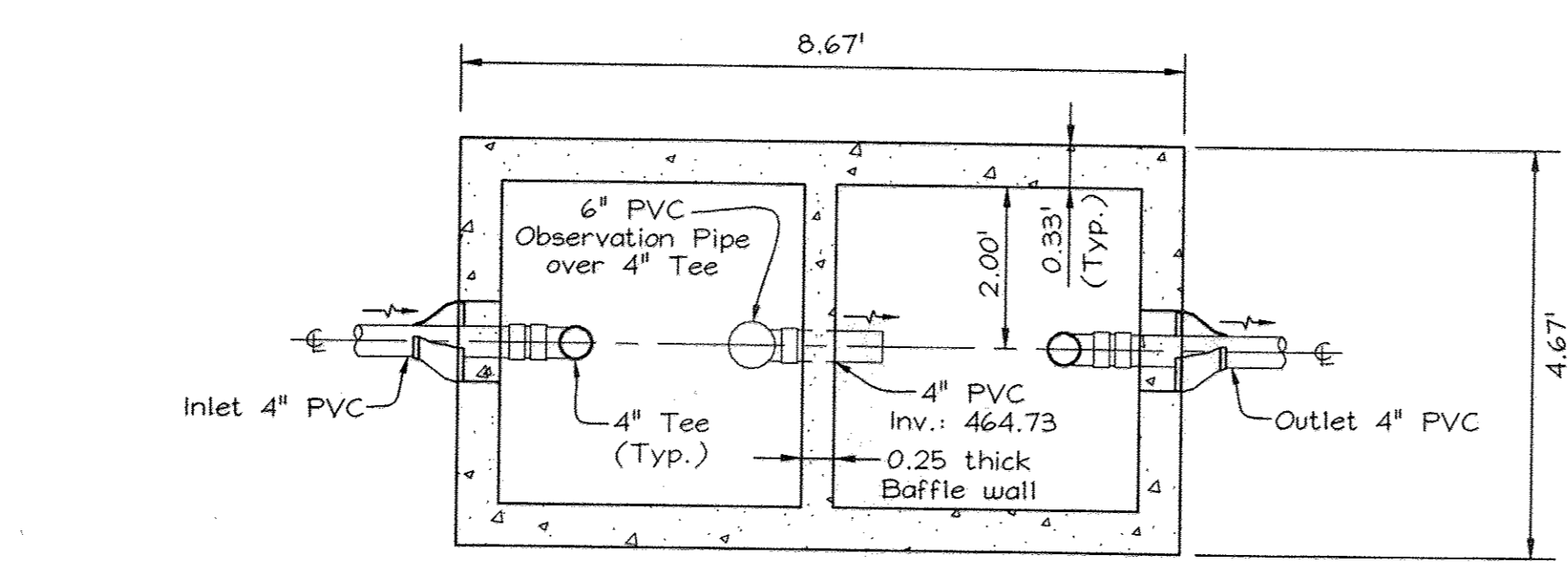
SECTION VIEW

TYPICAL CONCRETE DISTRIBUTION BOX
Not to Scale

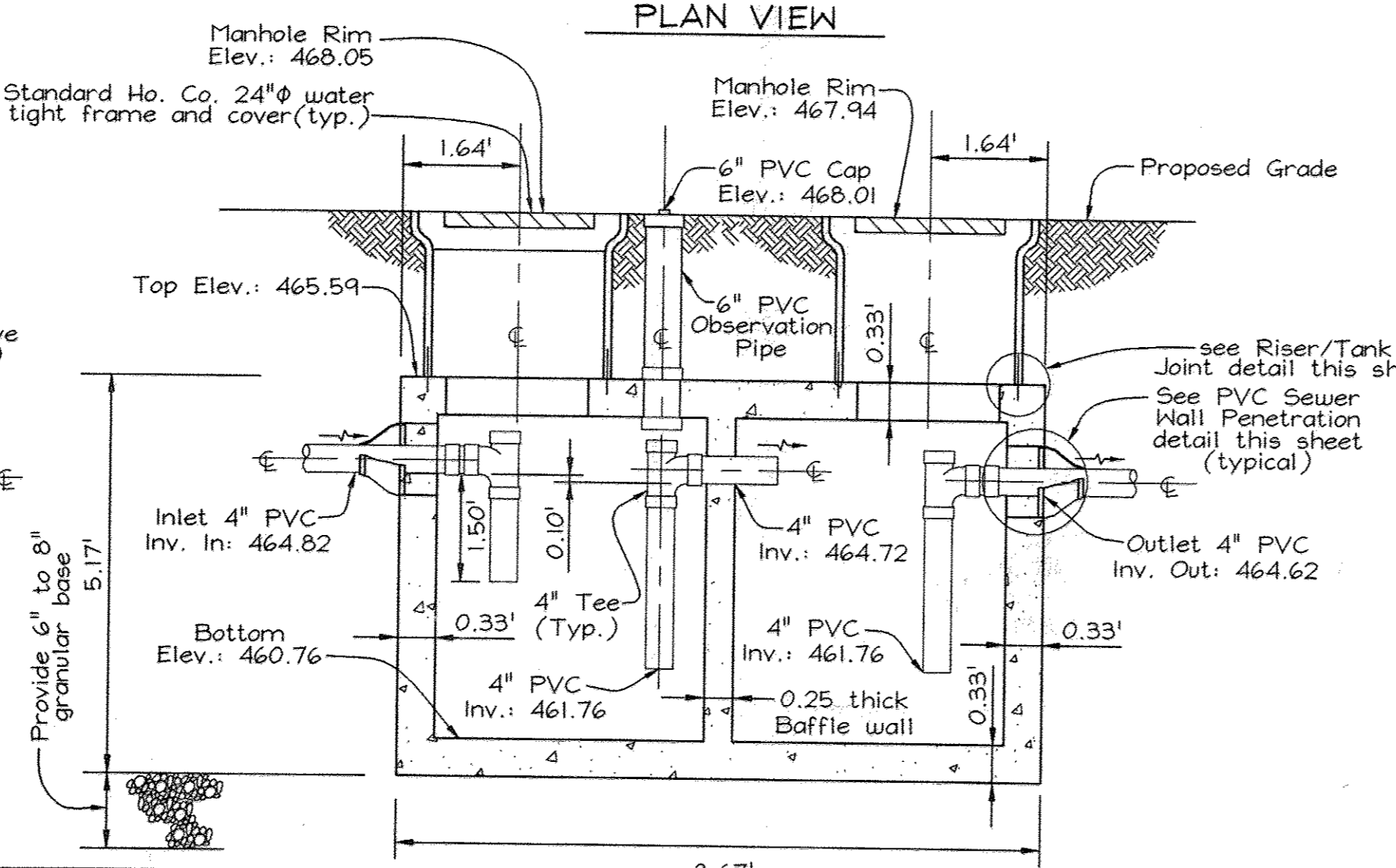


SEWER CLEANOUT @ DISTRIBUTION BOX

Modified Ho. Co. Std. Detail S-2.22
Not to Scale

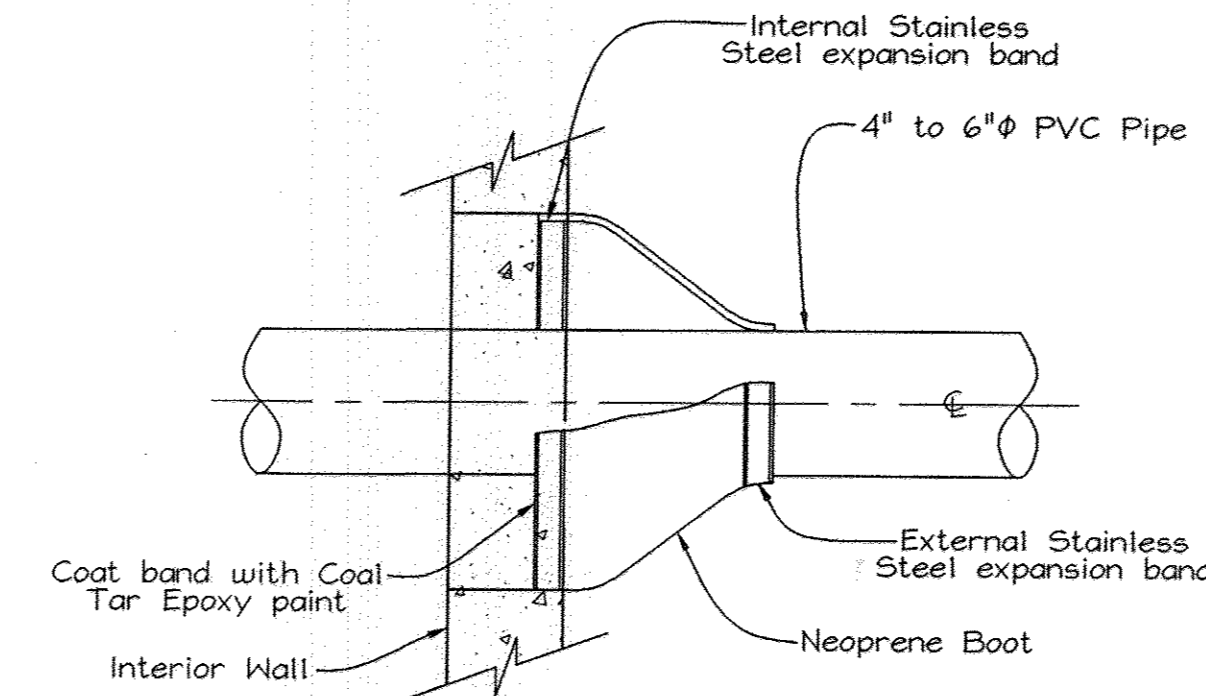


PLAN VIEW

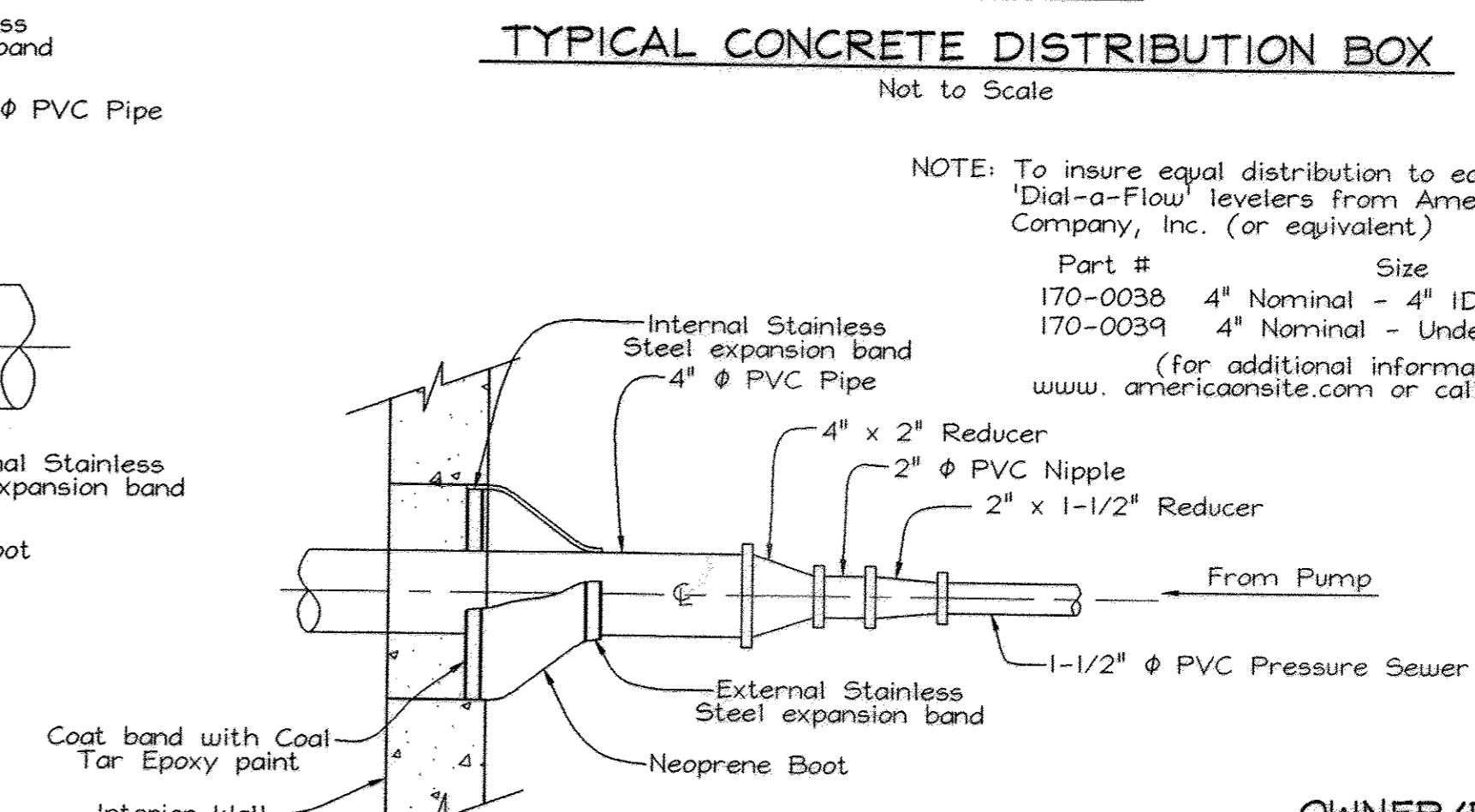


SECTION VIEW

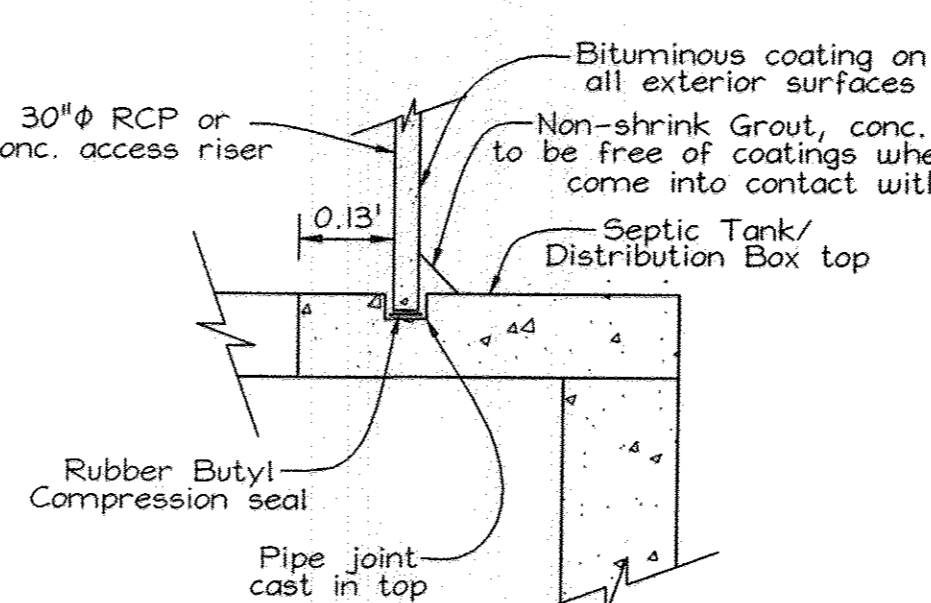
1000 GALLON GREASE TRAP GT-1
Not to Scale



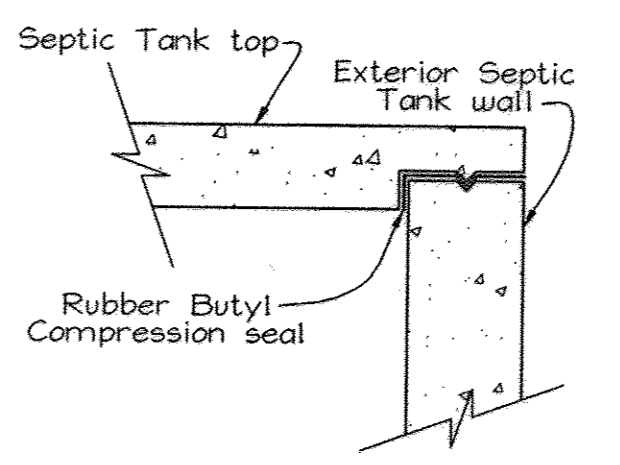
PVC SEWER WALL PENETRATION DETAIL
Not to Scale



PRESSURE SEWER WALL PENETRATION DETAIL
Not to Scale



RISER/TANK JOINT DETAIL
Not to Scale

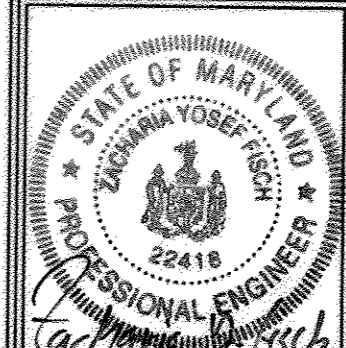


SEPTIC TANK TOP/WALL JOINT DETAIL
Not to Scale

NOTE: To insure equal distribution to each manifold, provide Dial-a-Flow levelers from American Manufacturing Company, Inc. (or equivalent)
Part # Size Color
170-0036 4\"/>

OWNER/DEVELOPER
TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

SEWER DETAILS
TEMPLE ISAIAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

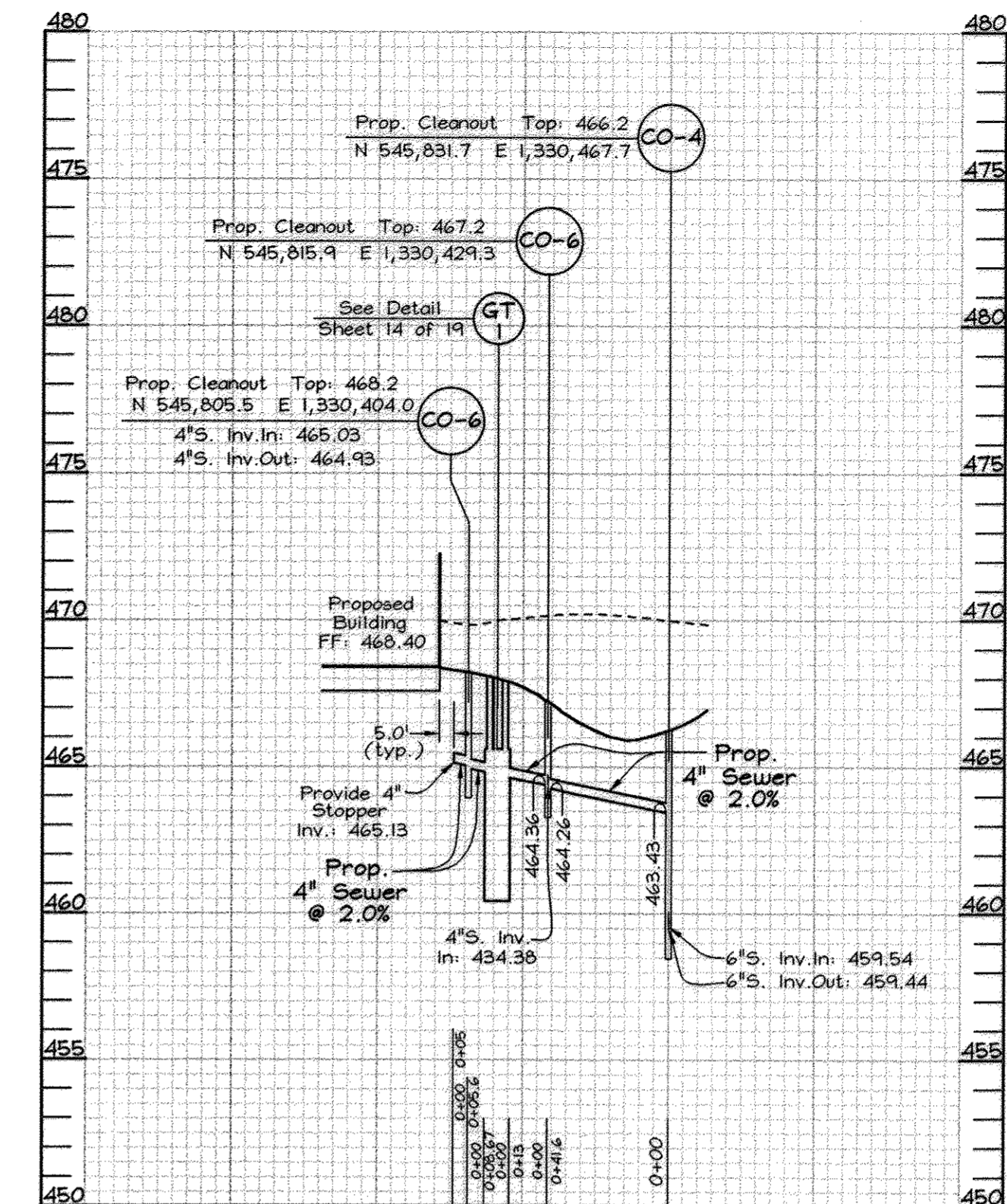
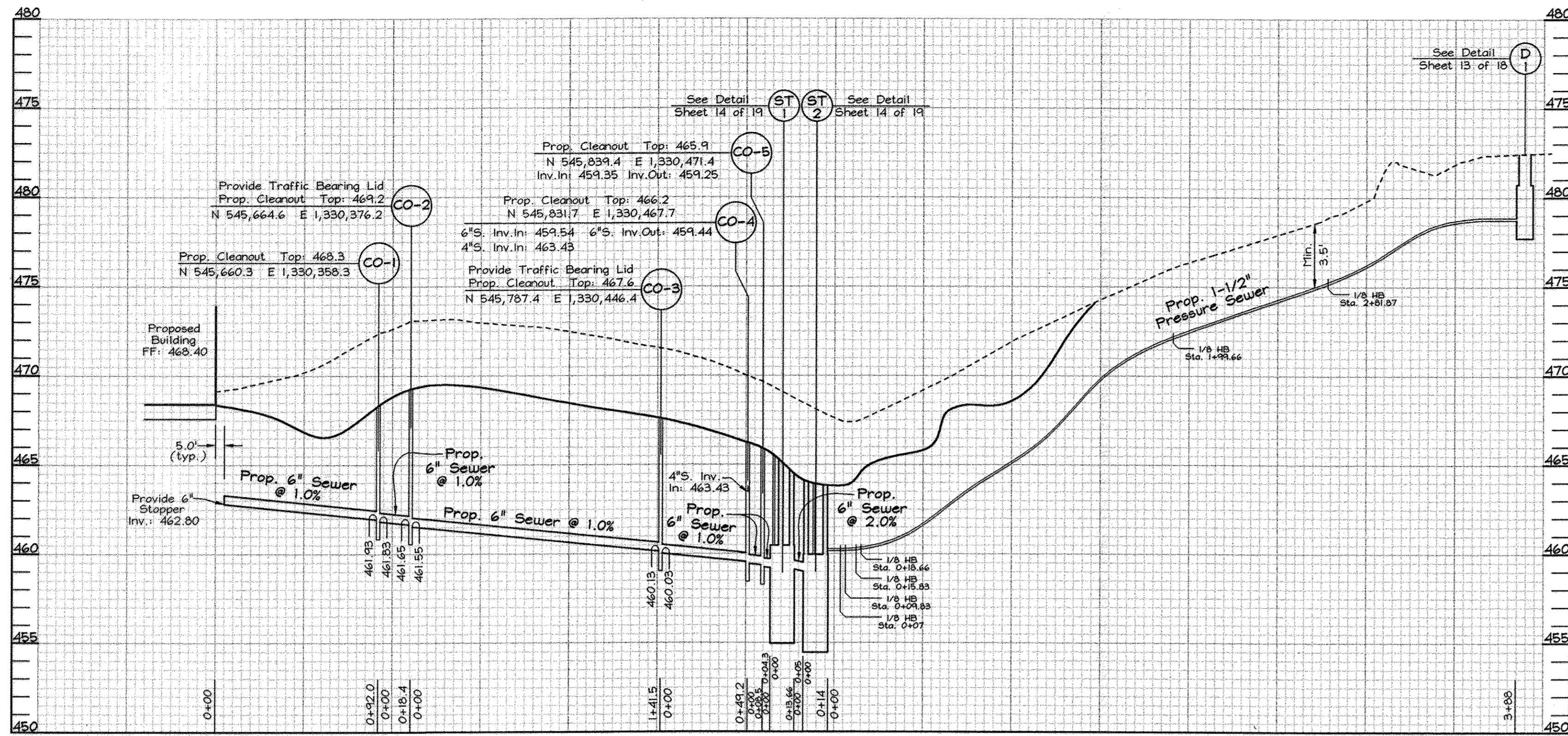


FSH Associates
Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: Slim
CHECKED BY: ZYF
SCALE: As Shown
DATE: March 04, 2003
W.O. No.: 3002
SHEET No. 14 OF 24

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 3/12/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION
[Signature] 3/12/03
CHIEF, DIVISION OF LAND DEVELOPMENT
[Signature] 3/12/03
DIRECTOR

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
[Signature] 3-12-03
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

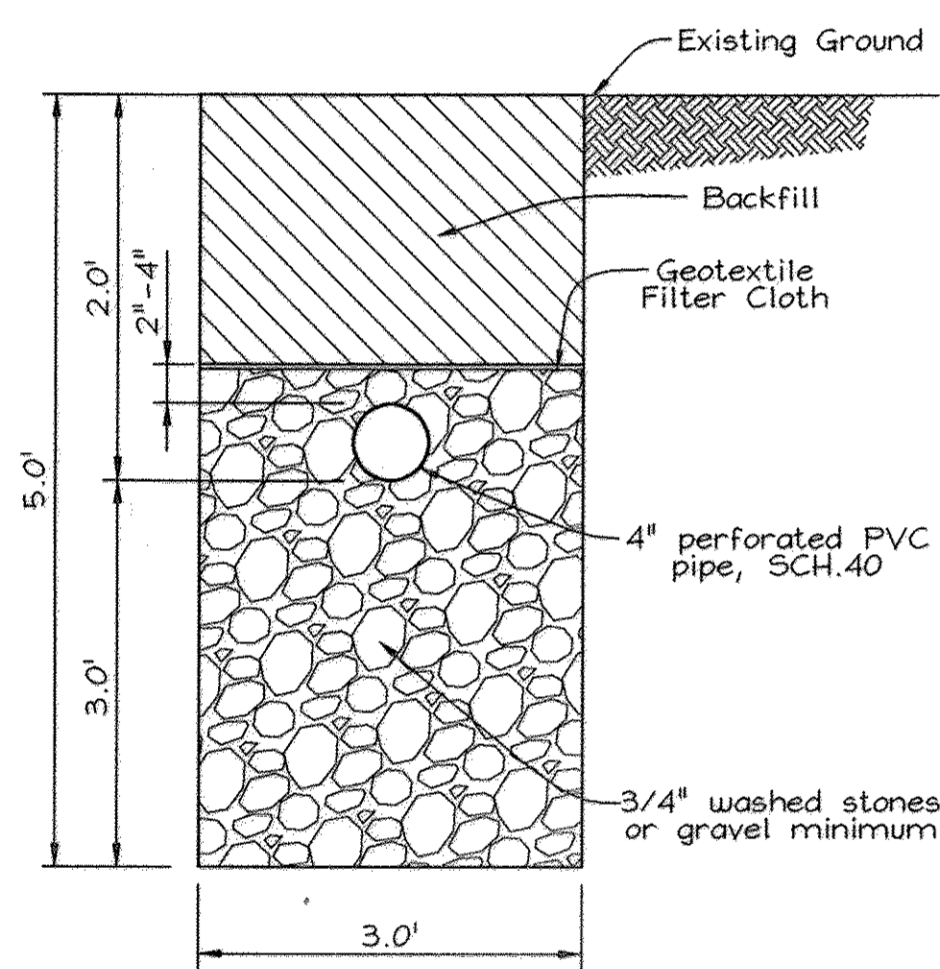


SEWER PROFILE

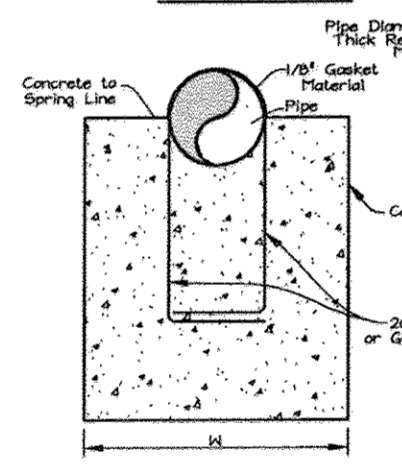
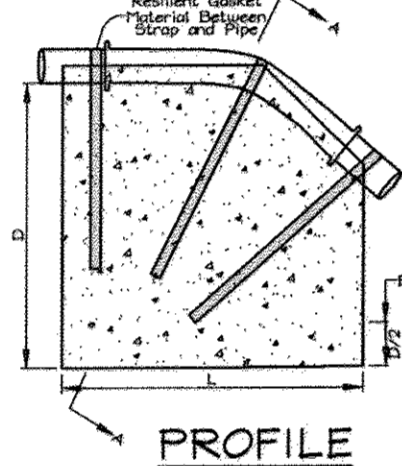
Scale: Horizontal - 1"=50'
Vertical - 1"=5'

SEWER PROFILE

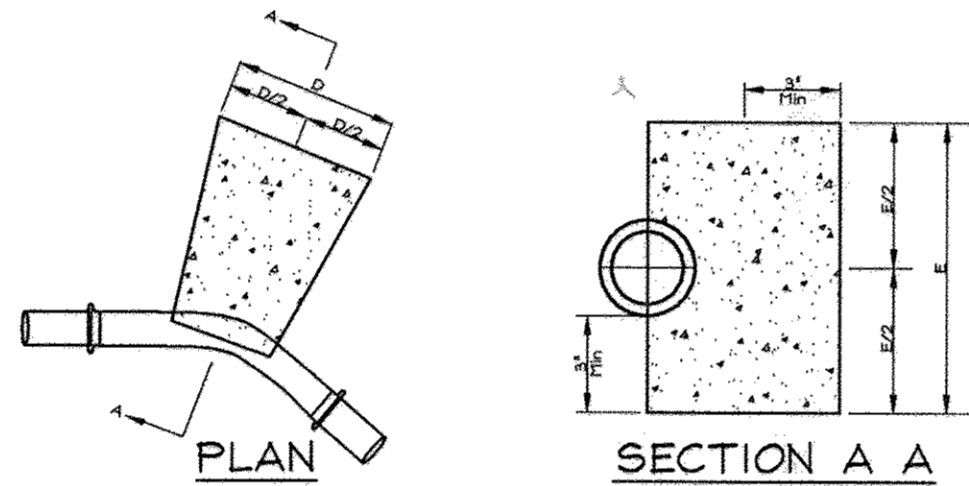
Scale: Horizontal - 1"=50'
Vertical - 1"=5'



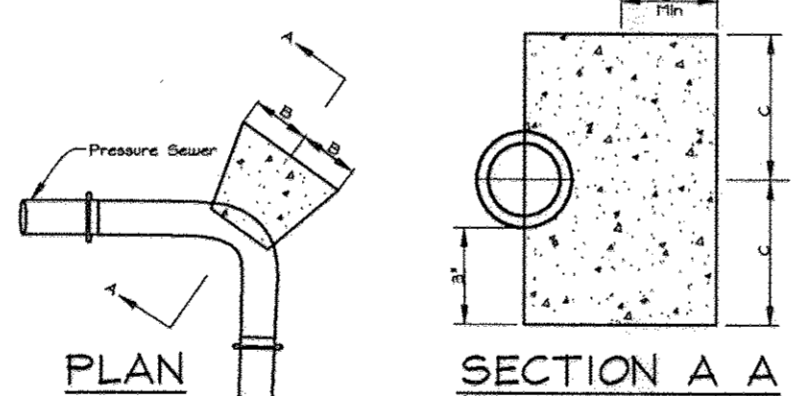
SEPTIC TRENCH DETAIL
Not to Scale



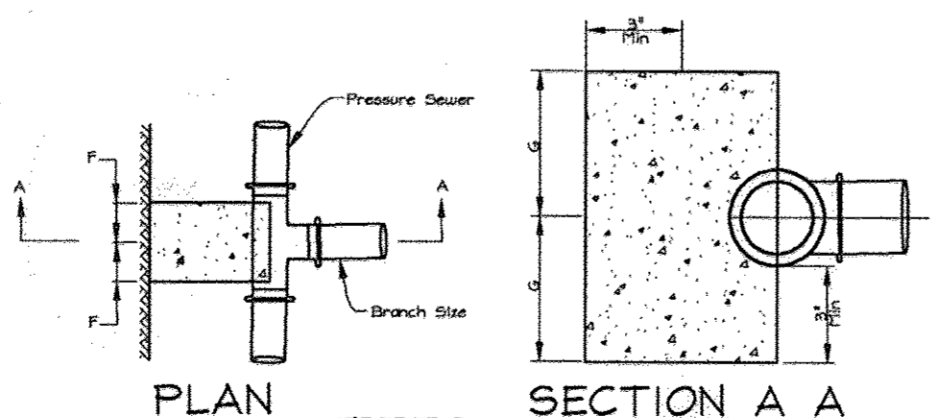
SECTION A A
ANCHORING PRESSURE SEWERS
(Upper Vertical Bends)
Not to Scale



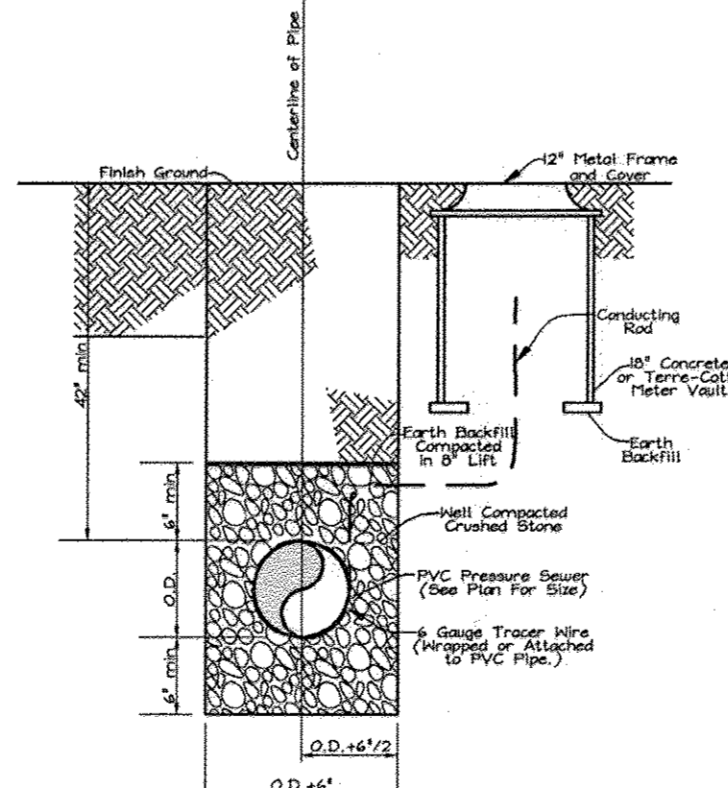
45° HORIZONTAL AND VERTICAL BENDS



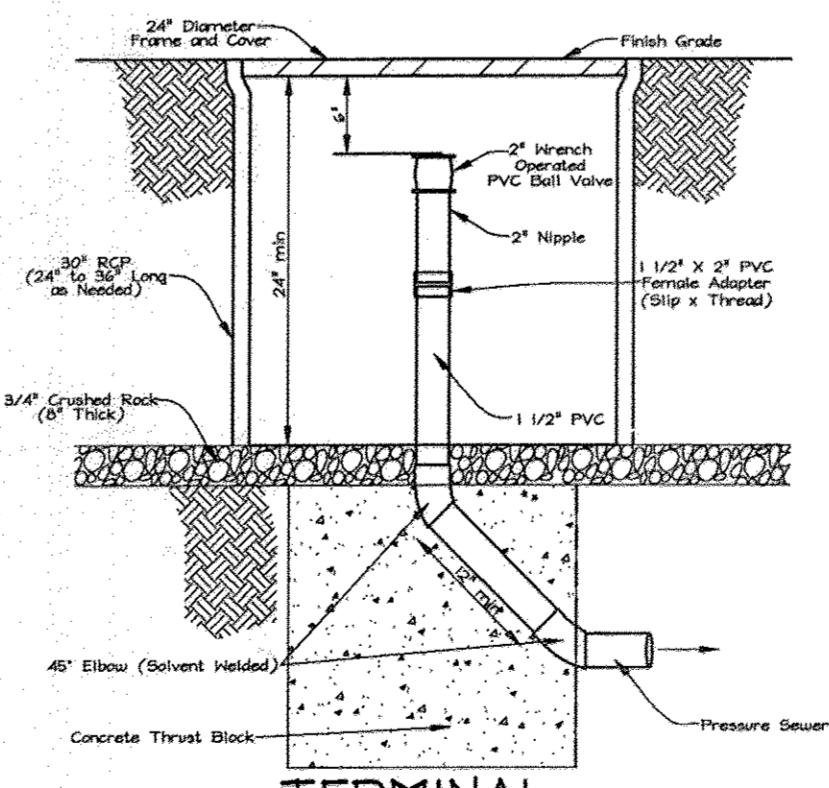
90° HORIZONTAL BENDS



TEES
PRESSURE SEWER BLOCKING DETAILS
Not to Scale



PRESSURE SEWER TRENCH DETAIL
Not to Scale



TERMINAL FLUSHING CONNECTION
Not to Scale

TRENCH DESIGN CHART

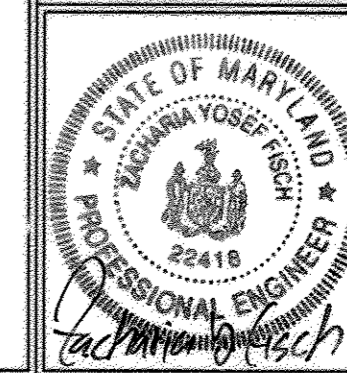
CONSTRUCTION PHASE	MAX. SEWAGE FLOW	MAX. TRENCH LENGTH
PHASE I	1500 GPD	1500 + 0.8 * 3' WIDTH = 625 LF

SEWAGE DESIGN FLOW CALCULATIONS

CONSTRUCTION PHASE	TOTAL PREDICTED POPULATION	MAX. SEWAGE FLOW
PHASE I	PHASE I	PHASE I
Sunday School Sunday 9am-1pm	250 students x 15 GPD x (.40 1-1/2 Day)	1500 GPD
Religious Facility Friday evenings & Saturday Morning	250 Seats x 3 GPS	750 GPD Friday evening & Saturday Morning
Nursery School Mon-Fri 9am-4pm	50 students x 15 Staff x 15 GPD	975 GPD Mon-Fri

OWNER/DEVELOPER
TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

SEWER PROFILE AND DETAILS
TEMPLE ISAIAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE
RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



FSH Associates
Engineers Planners Surveyors
8318 Forest Street, Elkton City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: Slim
CHECKED BY: ZYF
SCALE: As Shown
DATE: March 04, 2003
P.O. No.: 3002
SHEET No.: 15 OF 24

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Chad Dammann 3/17/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Chris Hamstra 3/17/03
CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Wesley A. Leight 3/17/03
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
Barry Bonstein 3-17-03
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

FOREST CONSERVATION WORKSHEET

Net Tract Area	Acres
A. Total Tract Area	21.00
B. Area Within 100 Year Floodplain	1.99
C. Other deductions	---
D. Net Tract Area	19.01
Zoning Use Category: Institutional	
Land Use Category	
E. Afforestation Minimum (15 % x D)	2.85
F. Conservation Threshold (20 % x D)	3.80
Existing Forest Cover	
G. Existing Forest on Net Tract Area	0
H. Forest Area Above Conservation Threshold Breakeven Point	0
I. Forest Retention Above Threshold with no Mitigation	0
J. Clearing Permitted without Mitigation	0
Proposed Forest Clearing	
K. Forest Areas to be Cleared	0
L. Forest Areas to be Retained	0
Planting Requirements	
M. Reforestation for Clearing Above Threshold	0
N. Reforestation for Clearing Below the Threshold	0
P. Credit for Retention Above Conservation Threshold	0
Q. Total Reforestation Required	0
R. Total Afforestation Required	2.85
S. Total Reforestation and Afforestation Requirement	2.85

FOREST CONSERVATION NARRATIVE

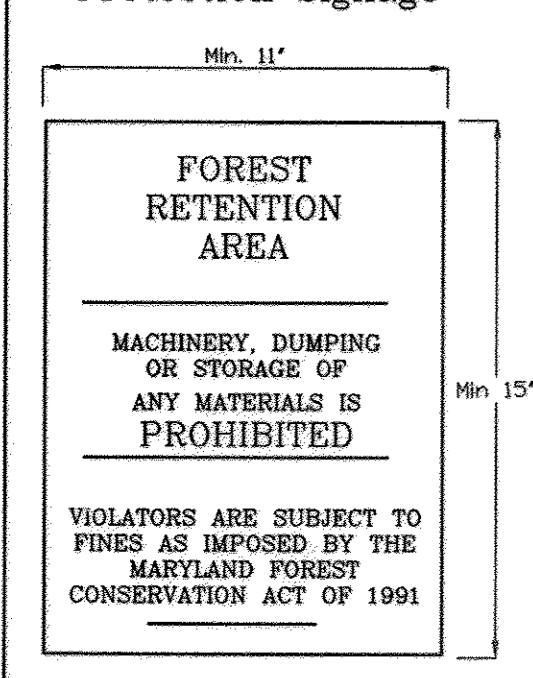
This Forest Conservation Plan has been developed in accordance with the Howard County Forest Conservation Act of 1991. The total tract area consists of 21.00 acres of land. There is 1.99 acres of floodplain to bring the net tract area of the site to 19.01 acres. The site contains no existing forest cover. There are several areas that may be enhanced for use as forest mitigation. A total of 0.96 acres of enhancement planting is proposed. The selected planting areas contain scattered natural regeneration seedlings, scattered mature trees, and a heavy shrub layer which do not meet the density requirement for forest cover. Selective clearing and supplemental planting of the area is proposed to increase the density of the stand. There will be 2.19 acres of afforestation planting within unafforested land. Three forest conservation easements will be established: Easement 1 will contain 0.72 acres of new planting, Easement 2 will contain 0.42 acres of enhancement and will contain 0.56 acres of new planting on either side of the enhancement area. Easement 3 will contain 0.54 acres of enhancement and will contain 0.61 acres of new planting on either side of the enhancement area. Easements 2 and 3 are along wetlands, streams and their buffers, and within the 100 year floodplain.

New plantings will be 2-3' containerized whip stock planted at 350 stems/acre. Enhancement plantings will be 2-3' containerized whip stock as necessary to bring the area up to minimum forest criteria.

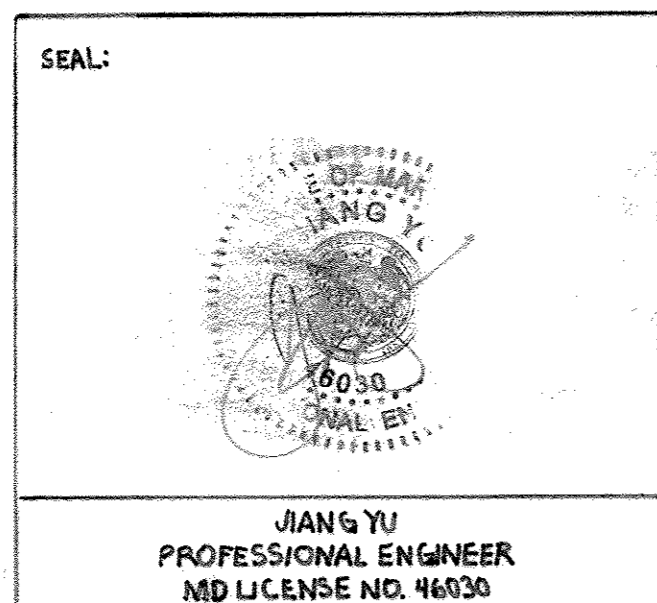
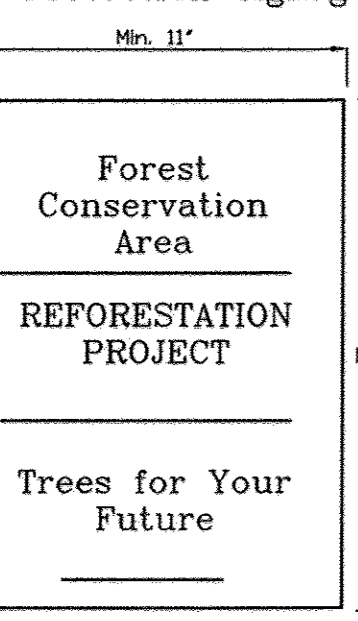
FOREST CONSERVATION EASEMENT TABLE

EASEMENT	TYPE	AREA (ACRES)	BOND RATE	BOND PRICE
1	AFFORESTATION	0.72	\$0.50 /S.F.	\$15,681.50
2	ENHANCEMENT AFFORESTATION	0.56	\$0.40 /S.F.	\$7,318.08
3	ENHANCEMENT AFFORESTATION	0.54	\$0.50 /S.F.	\$9,408.96
TOTAL		2.85		\$37,285.80
	ENHANCEMENT	0.96		
	AFFORESTATION	1.89		

Forest Retention Area Protection Signage



Reforestation and Afforestation Area Protection Signage



**FOREST CONSERVATION EASEMENT #1
AFFORESTATION AREA : 0.72 Ac. (252 trees @ 350 TPA)**

Qty	Botanical Name	Common Name	Min. Size	Spacing	Notes
42	Acer rubrum	Red Maple	WHIP 2-3'	11' o.c.	1-3 Gallon Container
42	Fraxinus pennsylvanica	Green Ash	WHIP 2-3'	11' o.c.	Group
42	Liquidambar styraciflua	Sweet gum	WHIP 2-3'	11' o.c.	
42	Amelanchier canadensis	Service berry	WHIP 2-3'	11' o.c.	
42	Cercis canadensis	Red bud	WHIP 2-3'	11' o.c.	Group
42	Cornus florida	Flowering dogwood	WHIP 2-3'	11' o.c.	

**FOREST CONSERVATION EASEMENT #2
AFFORESTATION AREA : 0.56 Ac. (196 trees @ 350 TPA)**

Qty	Botanical Name	Common Name	Min. Size	Spacing	Notes
34	Acer rubrum	Red Maple	WHIP 2-3'	11' o.c.	1-3 Gallon Container
34	Fraxinus pennsylvanica	Green Ash	WHIP 2-3'	11' o.c.	Group
34	Liquidambar styraciflua	Sweet gum	WHIP 2-3'	11' o.c.	
32	Amelanchier canadensis	Service berry	WHIP 2-3'	11' o.c.	
31	Cercis canadensis	Red bud	WHIP 2-3'	11' o.c.	Group
31	Cornus florida	Flowering dogwood	WHIP 2-3'	11' o.c.	

**FOREST CONSERVATION EASEMENT #3
AFFORESTATION AREA : 0.61 Ac. (213 trees @ 350 TPA)**

Qty	Botanical Name	Common Name	Min. Size	Spacing	Notes
36	Acer rubrum	Red Maple	WHIP 2-3'	11' o.c.	1-3 Gallon Container
36	Fraxinus pennsylvanica	Green Ash	WHIP 2-3'	11' o.c.	Group
36	Liquidambar styraciflua	Sweet gum	WHIP 2-3'	11' o.c.	
35	Amelanchier canadensis	Service berry	WHIP 2-3'	11' o.c.	
35	Cercis canadensis	Red bud	WHIP 2-3'	11' o.c.	Group
35	Cornus florida	Flowering dogwood	WHIP 2-3'	11' o.c.	

**FOREST CONSERVATION EASEMENT #2
ENHANCEMENT AREA : 0.42 Ac. (147 trees @ 350 TPA)**

Qty	Botanical Name	Common Name	Min. Size	Spacing	Notes
25	Acer rubrum	Red Maple	WHIP 2-3'	11' o.c.	1-3 Gallon Container
25	Fraxinus pennsylvanica	Green Ash	WHIP 2-3'	11' o.c.	Group
25	Liquidambar styraciflua	Sweet gum	WHIP 2-3'	11' o.c.	
24	Amelanchier canadensis	Service berry	WHIP 2-3'	11' o.c.	
24	Cercis canadensis	Red bud	WHIP 2-3'	11' o.c.	Group
24	Cornus florida	Flowering dogwood	WHIP 2-3'	11' o.c.	

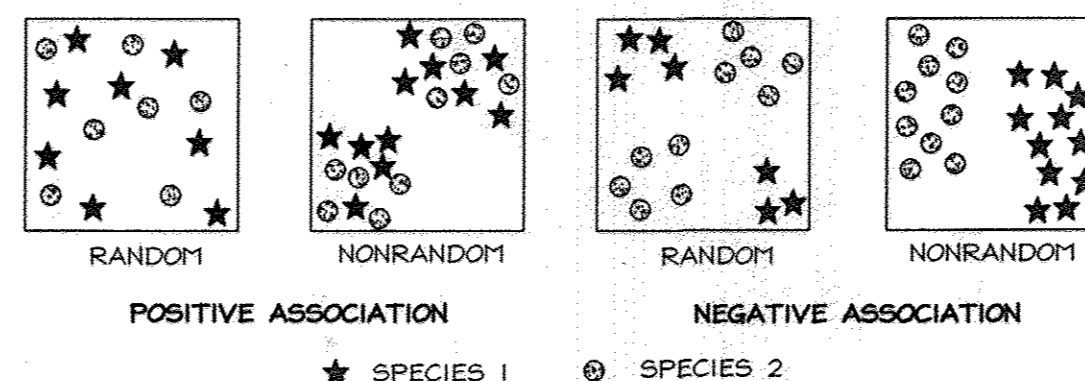
* This area will be selectively cleared of undesirable plants and spot treated with whip stock to enhance the forest characteristics of the area. Exact quantities will be determined in the field.

**FOREST CONSERVATION EASEMENT #3
ENHANCEMENT AREA : 0.54 Ac. (189 trees @ 350 TPA)**

Qty	Botanical Name	Common Name	Min. Size	Spacing	Notes
32	Acer rubrum	Red Maple	WHIP 2-3'	11' o.c.	1-3 Gallon Container
32	Fraxinus pennsylvanica	Green Ash	WHIP 2-3'	11' o.c.	Group
32	Liquidambar styraciflua	Sweet gum	WHIP 2-3'	11' o.c.	
31	Amelanchier canadensis	Service berry	WHIP 2-3'	11' o.c.	
31	Cercis canadensis	Red bud	WHIP 2-3'	11' o.c.	Group
31	Cornus florida	Flowering dogwood	WHIP 2-3'	11' o.c.	

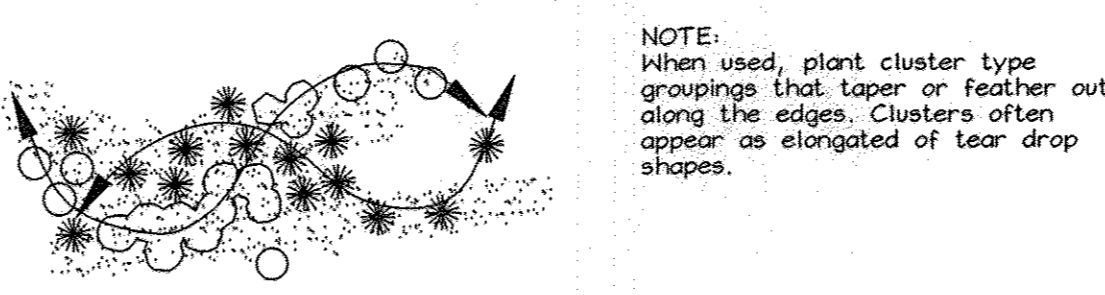
* This area will be selectively cleared of undesirable plants and spot treated with whip stock to enhance the forest characteristics of the area. Exact quantities will be determined in the field.

TYPICAL FOREST TREE DISTRIBUTION PATTERNS

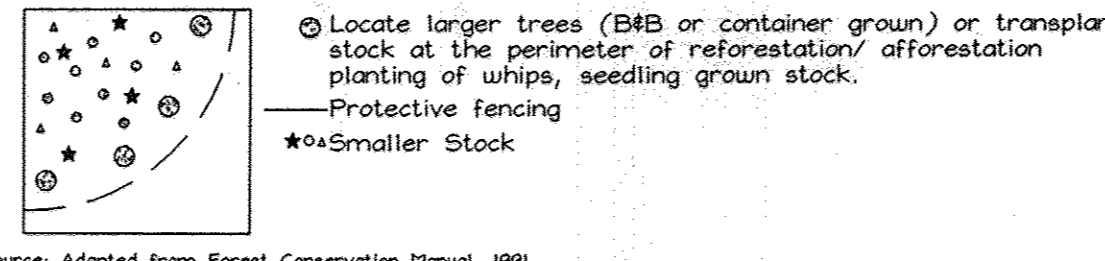


NOTE: Naturally occurring populations of trees tend to be found in informal groupings. A cluster of trees is really a mosaic of different species groups. The objective of an afforestation/ reforestation plan is to select the appropriate species and distribution pattern for a chosen site that mimic natural patterns.

AGGREGATE DISTRIBUTION DRIFT



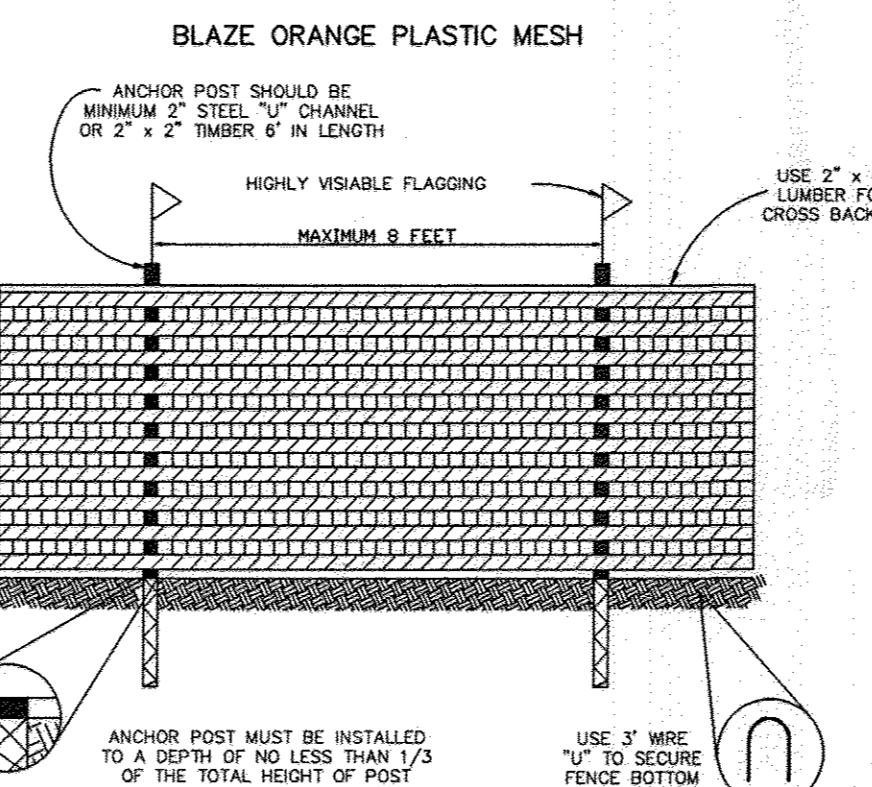
MIXING TRANSPLANT STOCK



PLANTING DISTRIBUTION PATTERNS

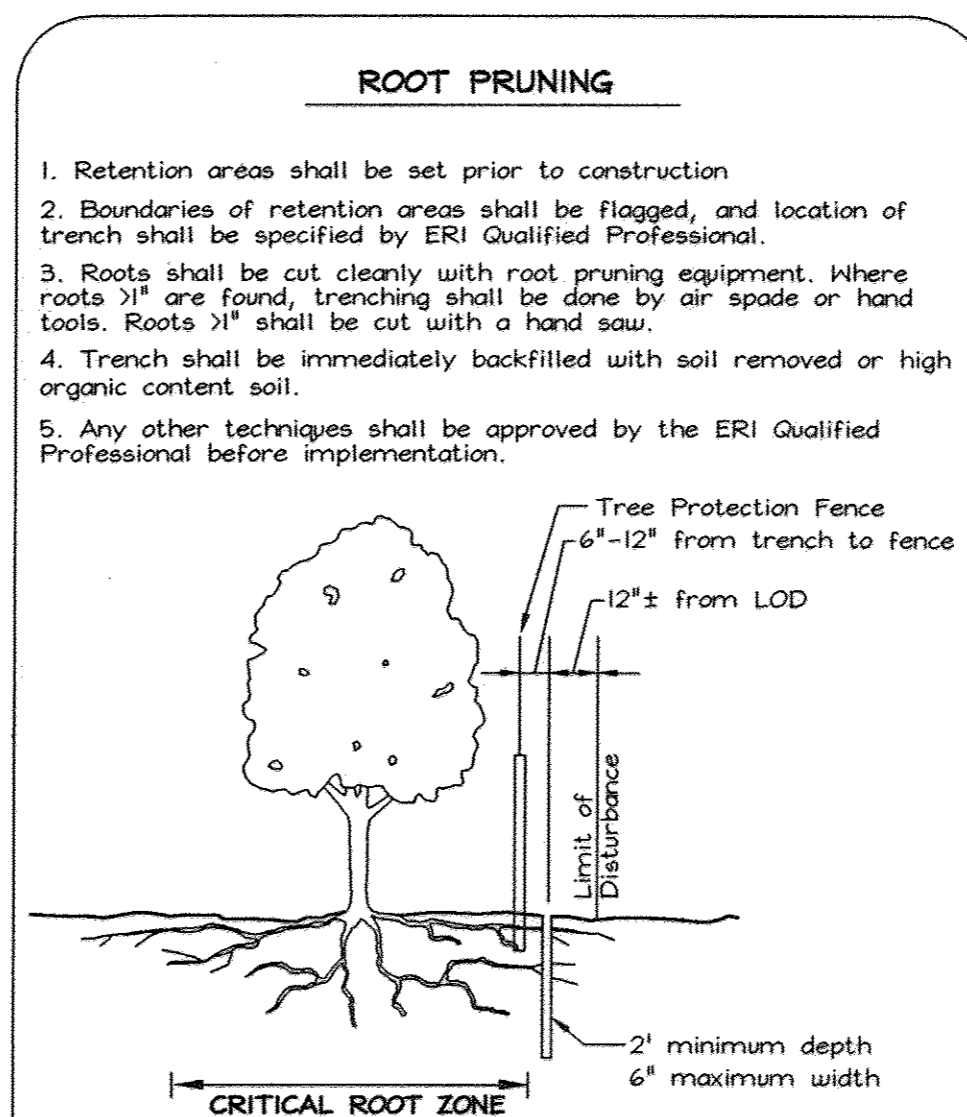
Soil Protection Zone Notes

- The Soil Protection Zone shall include all areas contained inside the Limit of Disturbance.
- Where possible, the Soil Protection Zone shall extend to the drip line of specimen trees. For other groups of trees, the zone shall be the drip line or 40% of the height of the tree, whichever is greater.
- No construction activity is permitted within the Soil Protection Zone.
- If soil has been compacted or grading has taken place in the vicinity of the Soil Protection Zone, root pruning shall be implemented per Root Pruning detail, shown on this plan.
- Root pruning shall occur prior to the beginning of construction.
- Where the Soil Protection Zone must encroach inside the Critical Root Zone of a tree, soil disturbance shall be mitigated with vertical mulching, radial trenching, or another method approved by the ERI Forest Conservation Professional.
- Prior to construction, the Limits of Disturbance shall be marked and the ERI Professional shall determine which trees will need preventative treatment or removal.
- Tree maintenance and removal shall be undertaken by a qualified MID Tree Expert to ensure damage to surrounding trees is minimized.
- Brush and limbs removed for construction shall be chipped and spread at the edge of the Soil Protection Zone to a depth of 6 inches. This shall occur outside the Soil Protection Zone where compaction could impact otherwise unprotected Critical Root Zone.

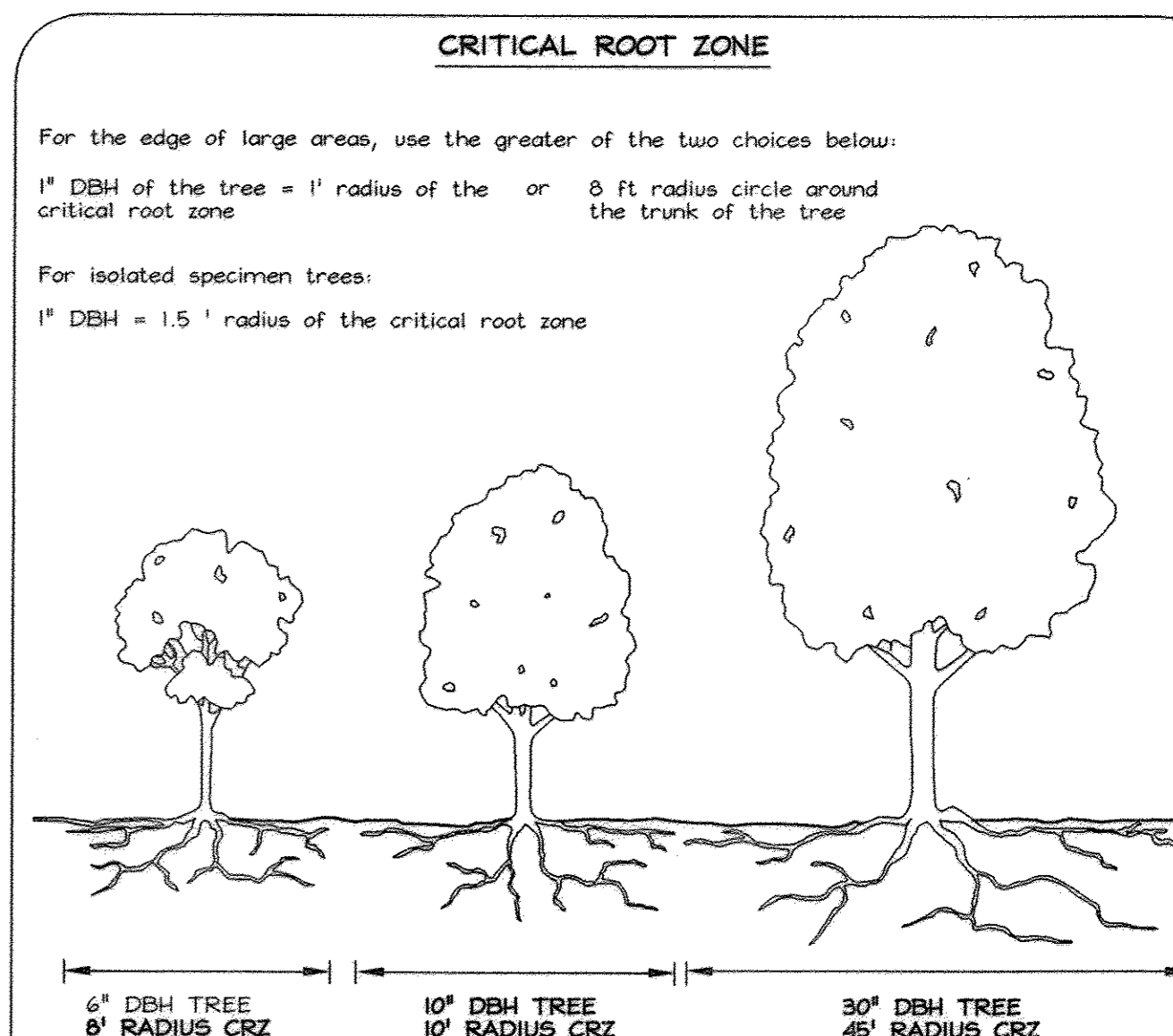


- NOTES:
- FOREST PROTECTION DEVICE ONLY.
 - RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 - ROOT DAMAGE SHOULD BE AVOIDED.
 - PROTECTIVE SIGNAGE MAY ALSO BE USED.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

TREE PROTECTION DETAIL



- ROOT PRUNING**
- Retention areas shall be set prior to construction.
 - Boundaries of retention areas shall be flagged, and location of trench shall be specified by ERI Qualified Professional.
 - Roots shall be cut cleanly with root pruning equipment. Where roots > 1" are found, trenching shall be done by air spade or hand tools. Roots > 1" shall be cut with a hand saw.
 - Trench shall be immediately backfilled with soil removed or high organic content soil.
 - Any other techniques shall be approved by the ERI Qualified Professional before implementation.

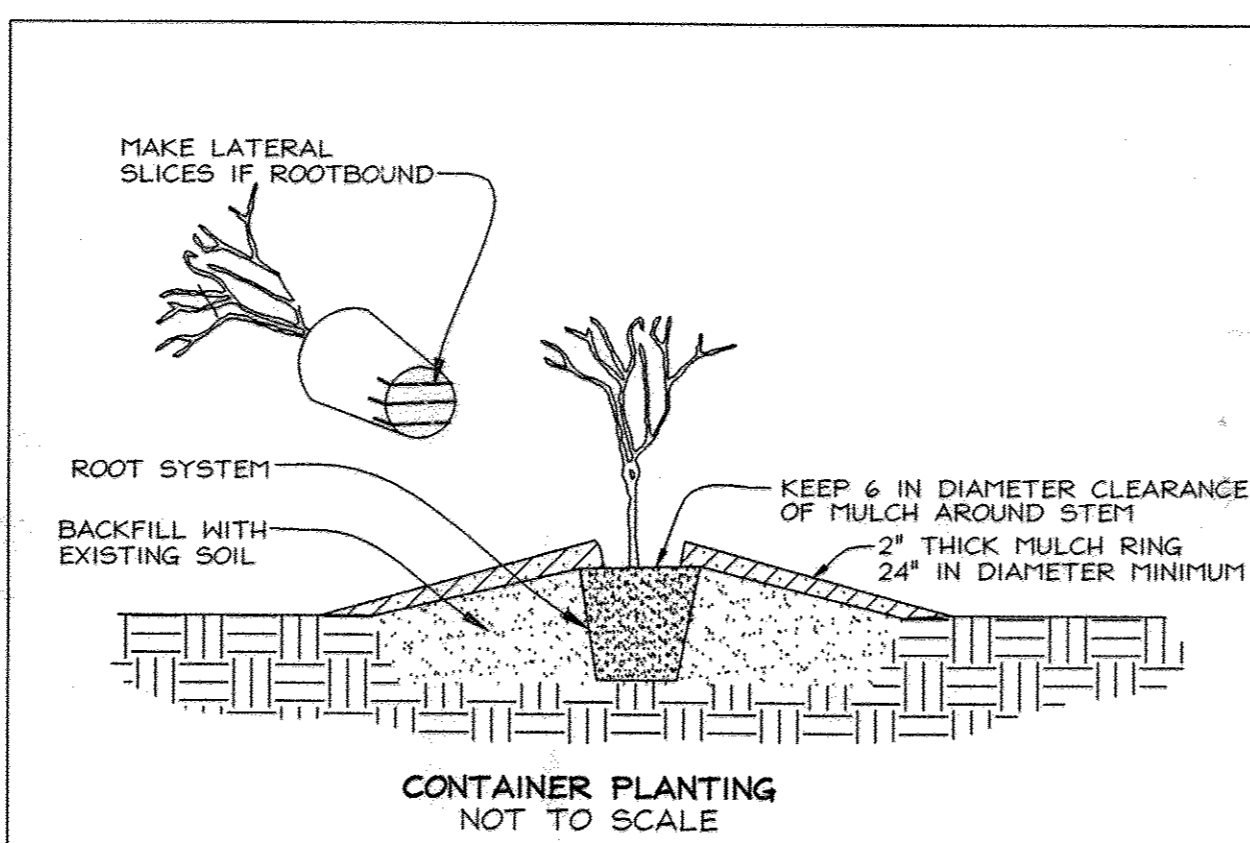


For the edge of large areas, use the greater of the two choices below:
1" DBH of the tree = 1' radius of the critical root zone or 8 ft radius circle around the trunk of the tree

For isolated specimen trees:
1" DBH = 1.5' radius of the critical root zone

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Cindy Harms
 Chief, Division of Land Development
 Director

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 County Health Officer
 SRK
 3-17-03
 DATE



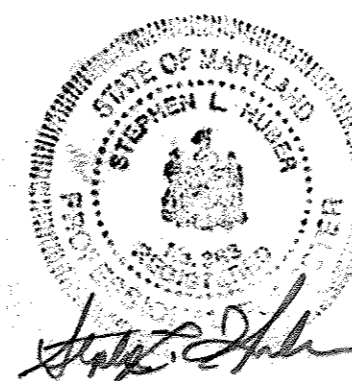
- PLANTING PROCEDURE FOR CONTAINER GROWN PLANTS**
- REMOVE THE PLANT EITHER BY CUTTING OR INVERTING THE CONTAINER
 - USE A KNIFE TO CUT THROUGH BOTTOM HALF OF THE ROOT BALL.
 - PLANT SHRUBS ON FORMED UP MOUNDS 4" ABOVE THE EXISTING GRADE WHEN HIGH WATER TABLE CONDITIONS EXIST, OTHERWISE PLANT FLUSH WITH EXISTING GRADE.
 - PLANTING HOLE TO BE 2-3 TIMES THE DIAMETER OF THE CONTAINER.
 - INSERT FERTILIZER TABLET, BACKFILL 2/3 OF THE ROOT BALL AND WATER.
 - AFTER WATER PERCOLATES, BACKFILL HOLE TO TOP OF ROOT BALL AND GENTLY TAMP SOIL TO FIRM CONTACT WITH PLANT.
 - APPLY MULCH RING AROUND PLANT KEEPING A 6 IN CLEARANCE FROM STEM.

DATE	NO.	REVISION
12/26/16	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/21/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

The forest conservation easements have been established to fulfill the requirements of Section 16-1200 of the Howard County Code and the Forest Conservation Manual. No clearing, grading or construction is permitted within the forest conservation easements, however, forest management practices as defined in the Deed of Forest Conservation Easement are allowed.

See the recorded plat for FCE bearing and distance description. Plat #15811

DEWBERRY CONSULTANTS LLC
 3106 LORD BALTIMORE DRIVE
 SUITE 110
 BALTIMORE, MD 21244
 PHONE: 410.265.9500 FAX: 410.265.8875



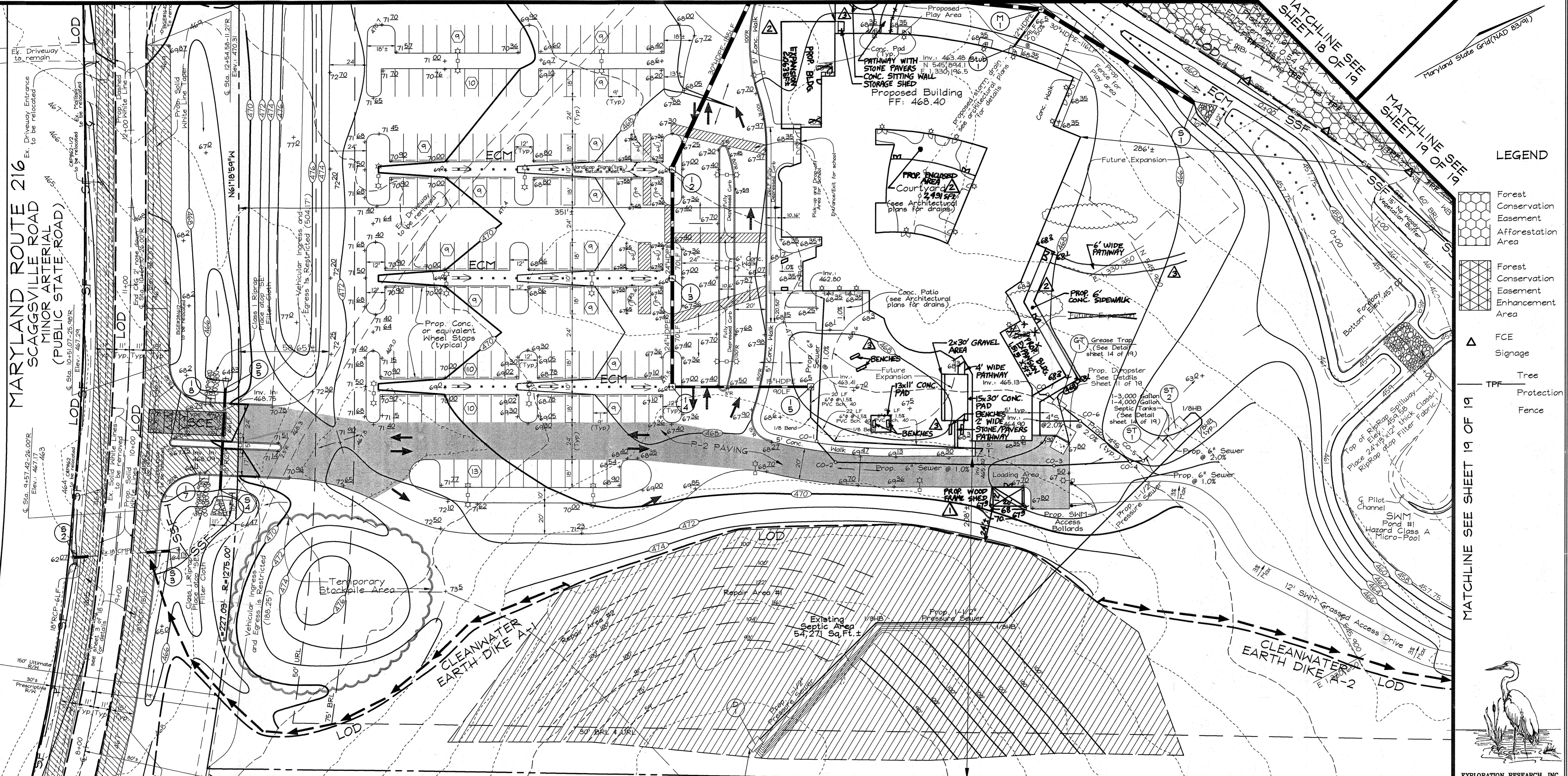
OWNER/DEVELOPER
 TEMPLE ISIAH
 c/o Robert Dubin
 5885 Robert Oliver Place
 Columbia, Maryland 21045
 202-466-3400

CONSERVATION NOTE:
 THE 166 FOOT SETBACK FOR THE TELECOM-MUNICATION TOWER EN-CROACHES WITHIN FCE #1. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ANY DAMAGE TO THE FCE CAUSED BY THE TELECOM-MUNICATION FACILITY. ANY DAMAGE MUST BE CORRECTED AT THE OWNER/DEVELOPERS EXPENSE IN ORDER FOR THE FCE TO BE ACCEPTABLY MAINTAINED IN ACCORDANCE WITH THE DEED OF FOREST CONSERVATION EASEMENT AND MAINTENANCE AGREEMENT.

FOREST CONSERVATION PLAN NOTES AND DETAILS
TEMPLE ISIAH
 PHASE I
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

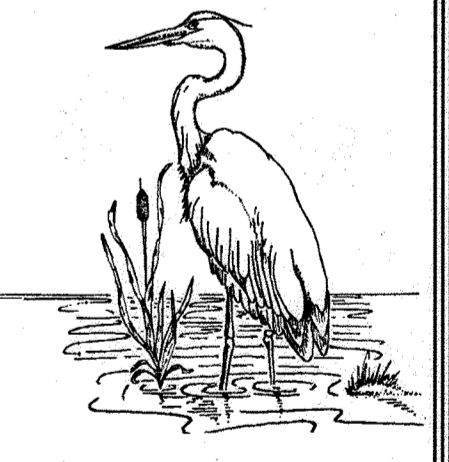
FSH Associates
 Engineers Planners Surveyors
 8318 Forest Street, Elliotts Cr., MD 21043
 Tel: 410-750-2251 Fax: 410-750-7390
 E-mail: FSHAssociates@cs.com

DESIGN BY: RAB
 DRAWN BY: RAB
 CHECKED BY: SLH
 SCALE: 1"=30'
 DATE: March 04, 2003
 I.P.O. No.: 3002
 SHEET No.: 16 OF 24



- LEGEND**
- Forest Conservation Easement Afforestation Area
 - Forest Conservation Easement Enhancement Area
 - FCE Signage
 - Tree Protection Fence

MATCHLINE SEE SHEET 19 OF 19



EXPLORATION RESEARCH, INC.
ENVIRONMENTAL CONSULTANTS
6818 FOREST STREET
ELICOTT CITY, MARYLAND 21045
TEL: (410) 760-1150 FAX: (410) 760-7500

NO.	DATE	REVISION	BY
3	11-14-21	ADDED OUTDOOR PATHWAYS AND SEATING AREAS.	FSH
2	10-2-20	ADDED BUILDING EXPANSIONS & ENCLOSED AREA.	FSH
1	8-21-19	ADDED WOODEN SHED.	FSH

APPROVED: **Howard County Department of Planning and Zoning**
Chief, Development Engineering Division
 DATE: 3/1/23

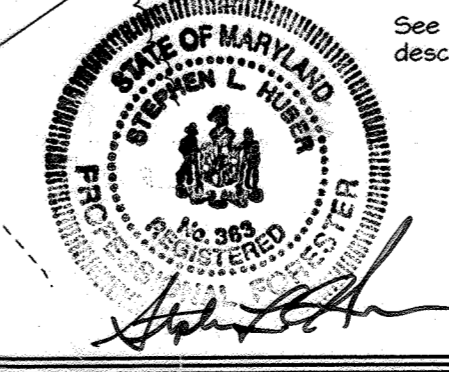
APPROVED: **County Health Officer**
 DATE: 3/1/23

APPROVED: **Director**
 DATE: 3/1/23

APPROVED: **FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY**
County Health Officer
 DATE: 3-12-23

The forest conservation easements have been established to fulfill the requirements of Section 16.1200 of the Howard County Code and the Forest Conservation Manual. No clearing, grading or construction is permitted within the forest conservation easements, however, forest management practices as defined in the Deed of Forest Conservation Easement are allowed.

See the recorded plat for FCE bearing and distance description. Plat #15011.

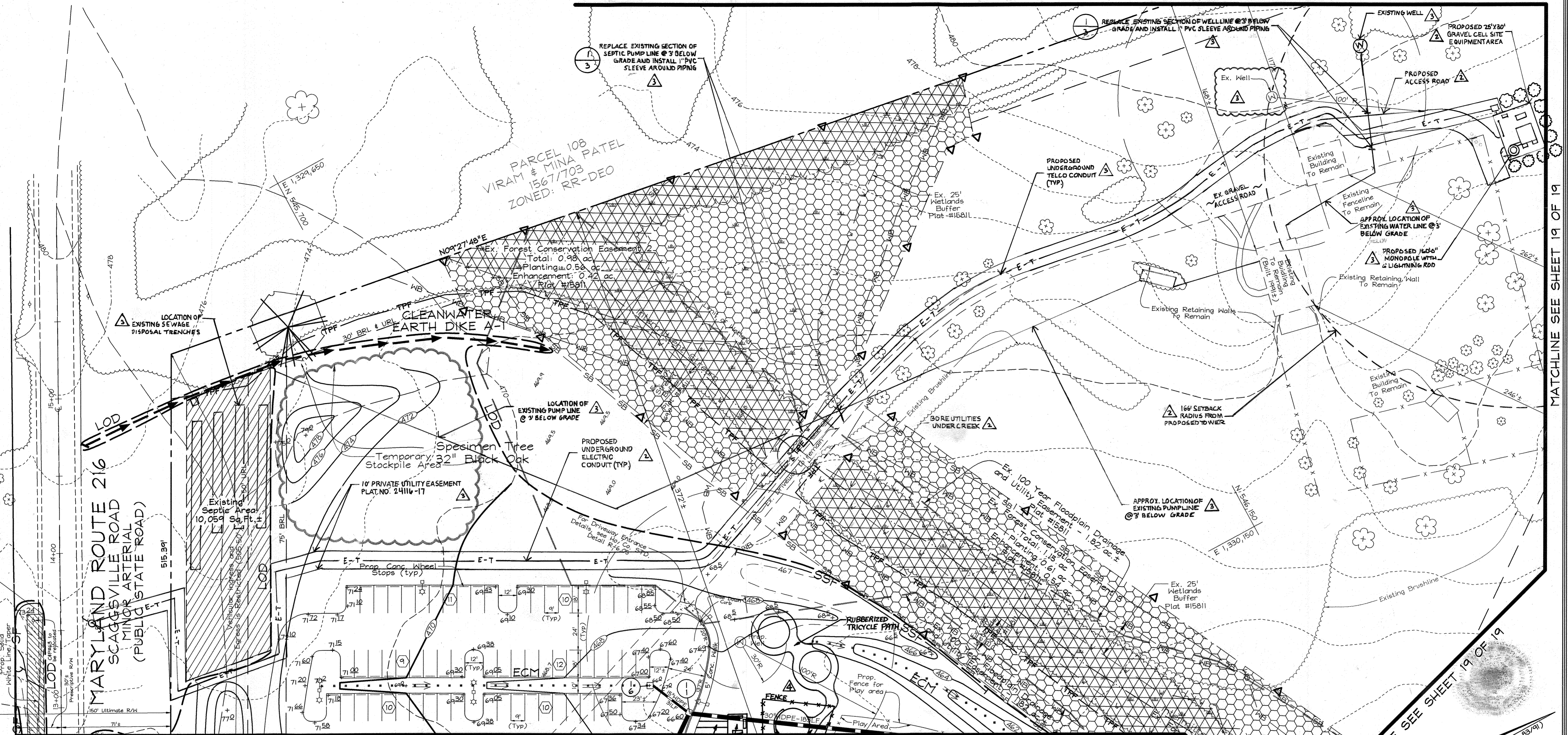


OWNER/DEVELOPER
 TEMPLE ISAAH
 c/o Robert Dubin
 5885 Robert Oliver Place
 Columbia, Maryland 21045
 202-466-3400

FOREST CONSERVATION PLAN
TEMPLE ISAAH
 PHASE I
 RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
 CECIL COLE PROPERTY
 TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2 LOT 4
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

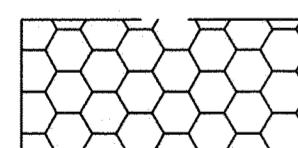
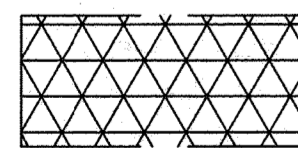

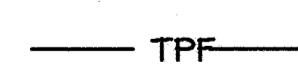
FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@gs.com

DESIGN BY: RAB
 DRAWN BY: RAB
 CHECKED BY: ZTF
 SCALE: 1"=30'
 DATE: March 04, 2023
 P.L.O. No.: 3002
 SHEET No.: 17 OF 24



MATCHLINE SEE SHEET 17 OF 19

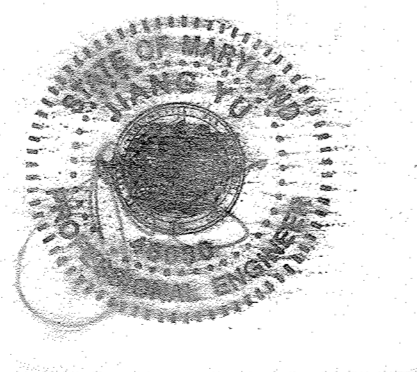
LEGEND

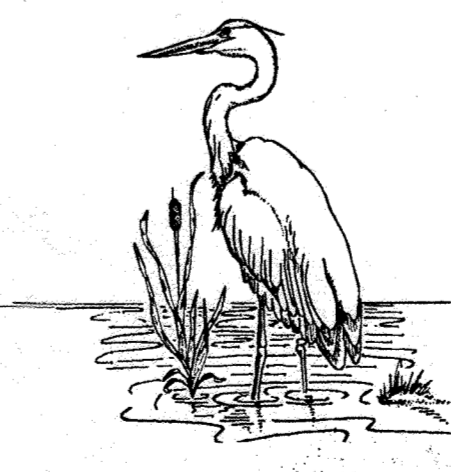
-  Forest Conservation Easement Afforestation Area
-  Forest Conservation Easement Enhancement Area
-  FCE Signage
-  TPP Tree Protection Fence

The forest conservation easements have been established to fulfill the requirements of Section 16.1200 of the Howard County Code and the Forest Conservation Manual. No clearing, grading or construction is permitted within the forest conservation easements, however, forest management practices as defined in the Deed of Forest Conservation Easement are allowed.

N 545,700
E 1,330,150

NOTES:
1) THE CONTRACTOR SHALL USE THE FLAGGING SUPPLIED BY THE SURVEYOR TO LOCATE THE AREAS WHERE THE EXISTING SEPTIC PUMP LINE AND WELL LINE INTERSECT THE PROPOSED UTILITY EASEMENTS. IN THESE LOCATIONS THE EXISTING SEPTIC AND WELL LINES SHALL BE REMOVED AND REPLACED IN THE AREAS WITH IS OVERLAP OUTSIDE OF THE PROPOSED EASEMENT. THE REPLACEMENT LINES SHALL BE OF THE SAME MATERIAL AND SIZE AS THE ONES REMOVED. THE REPLACED LINES SHALL BE RUN WITHIN A PVC CONDUIT THAT IS 1" LARGER IN DIAMETER THAN THE EXISTING AND BE RUN THE ENTIRE LENGTH FROM 5' OUTSIDE THE PROPOSED EASEMENT ON BOTH SIDES. CONDUIT SHALL COMPACT THE SOIL BELOW AROUND AND ABOVE THE REPLACED LINES PER UTILITY STANDARD AND WARNING TAPE.
2) DEPTHS AND LOCATIONS OF SEPTIC LINE, WELL LINE AND SEWAGE DISPOSAL TRENCHES ARE BASED UPON A PRELIMINARY FIELD INVESTIGATION PERFORMED ON 11/20/2016 USING A GROUND PENETRATING RADAR (GPR) DEVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS, DIMENSIONS, DEPTHS AND MATERIALS IN FIELD PRIOR TO ONSET OF CONSTRUCTION.

SEAL: 
JIANG YU
PROFESSIONAL ENGINEER
MD LICENSE NO. 46030



EXPLORATION RESEARCH INC.
ENVIRONMENTAL CONSULTANTS
8310 FOREST STREET
ELICOTT CITY, MARYLAND 21043
TEL: (410) 760-1150 FAX: (410) 760-7860

DEWBERRY CONSULTANTS LLC
3106 LORD BALTIMORE DRIVE
SUITE 110
BALTIMORE MD 21244
PHONE: 410.245.4500 FAX: 410.265.8875


DATE	NO.	REVISION
11-14-22	4	PROPOSED PATHS & SEPTIC AREAS
12/29/16	3	AT&T EQUIPMENT
10/13/14	2	AT&T EQUIPMENT
8/21/16	1	AT&T EQUIPMENT
6/18/14	0	AT&T EQUIPMENT

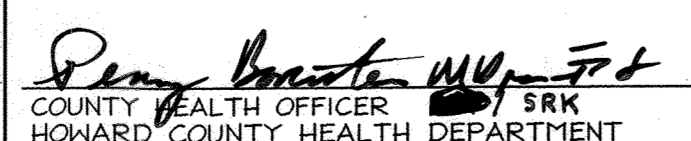
OWNER/DEVELOPER
TEMPLE ISAAH
c/o Robert Dubir
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

FOREST CONSERVATION PLAN
TEMPLE ISAAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 # 41 BLOCK 18 # 13 PARCEL 2 LOT 4
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Elicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: RAB
DRAWN BY: RAB
CHECKED BY: ZTF
SCALE: 1"=30'
DATE: March 04, 2003
P.O. No.: 3002
SHEET No.: 19 OF 24

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE: 3/12/23

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
COUNTY HEALTH OFFICER

DATE: 3-12-23

The forest conservation easements have been established to fulfill the requirements of Section 16.1200 of the Howard County Code and the Forest Conservation Manual. No clearing, grading or construction is permitted within the forest conservation easements, however, forest management practices as defined in the Deed of Forest Conservation Easement are allowed.

See the recorded plat for FCE bearing and distance description. Plat #15811

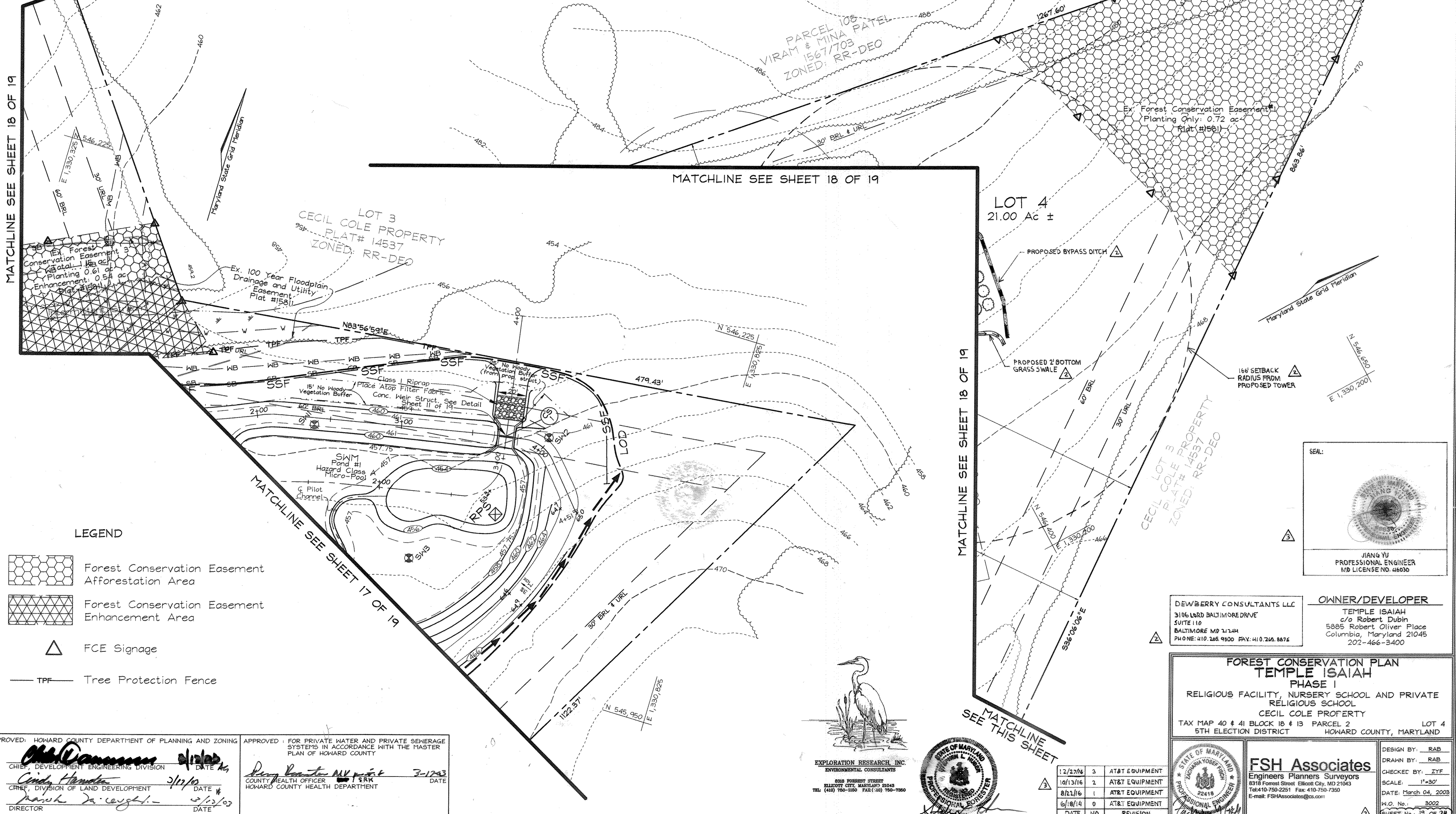
MATCHLINE SEE THIS SHEET

MATCHLINE SEE SHEET 18 OF 19

MATCHLINE SEE SHEET 18 OF 19

MATCHLINE SEE SHEET 18 OF 19

MATCHLINE SEE THIS SHEET



LEGEND

- Forest Conservation Easement Afforestation Area
- Forest Conservation Easement Enhancement Area
- FCE Signage
- TPF - Tree Protection Fence

SEAL:

JIANG YU
PROFESSIONAL ENGINEER
MD LICENSE NO. 46030

DEWBERRY CONSULTANTS LLC
3106 LARD BALTIMORE DRIVE
SUITE 110
BALTIMORE MD 21244
PHONE: 410.265.9500 FAX: 410.265.8874

OWNER/DEVELOPER
TEMPLE ISAIAH
c/o Robert Dubin
5885 Robert Oliver Place
Columbia, Maryland 21045
202-466-3400

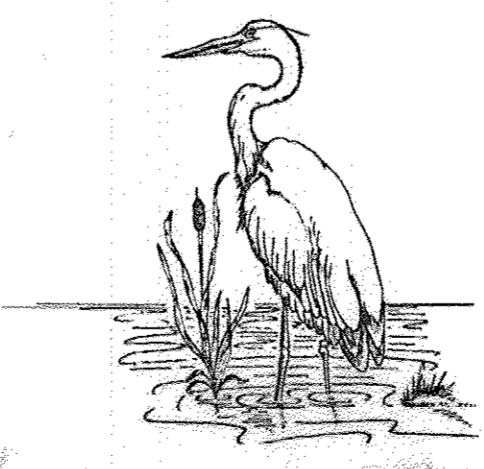
FOREST CONSERVATION PLAN
TEMPLE ISAIAH
PHASE I
RELIGIOUS FACILITY, NURSERY SCHOOL AND PRIVATE RELIGIOUS SCHOOL
CECIL COLE PROPERTY
TAX MAP 40 & 41 BLOCK 18 & 13 PARCEL 2
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
Engineers Planners Surveyors
8318 Forest Street, Elliott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: RAB
DRAWN BY: RAB
CHECKED BY: ZYF
SCALE: 1"=30'
DATE: March 04, 2003
M.O. No.: 3002
SHEET No.: 19 OF 24

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
CHIEF, DEVELOPMENT ENGINEERING DIVISION
Cindy Handley 3/12/03
CHIEF, DIVISION OF LAND DEVELOPMENT
Paul DeCough 3/12/03
DIRECTOR

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
COUNTY HEALTH OFFICER
Ray Hunter 3-12-03
HOWARD COUNTY HEALTH DEPARTMENT

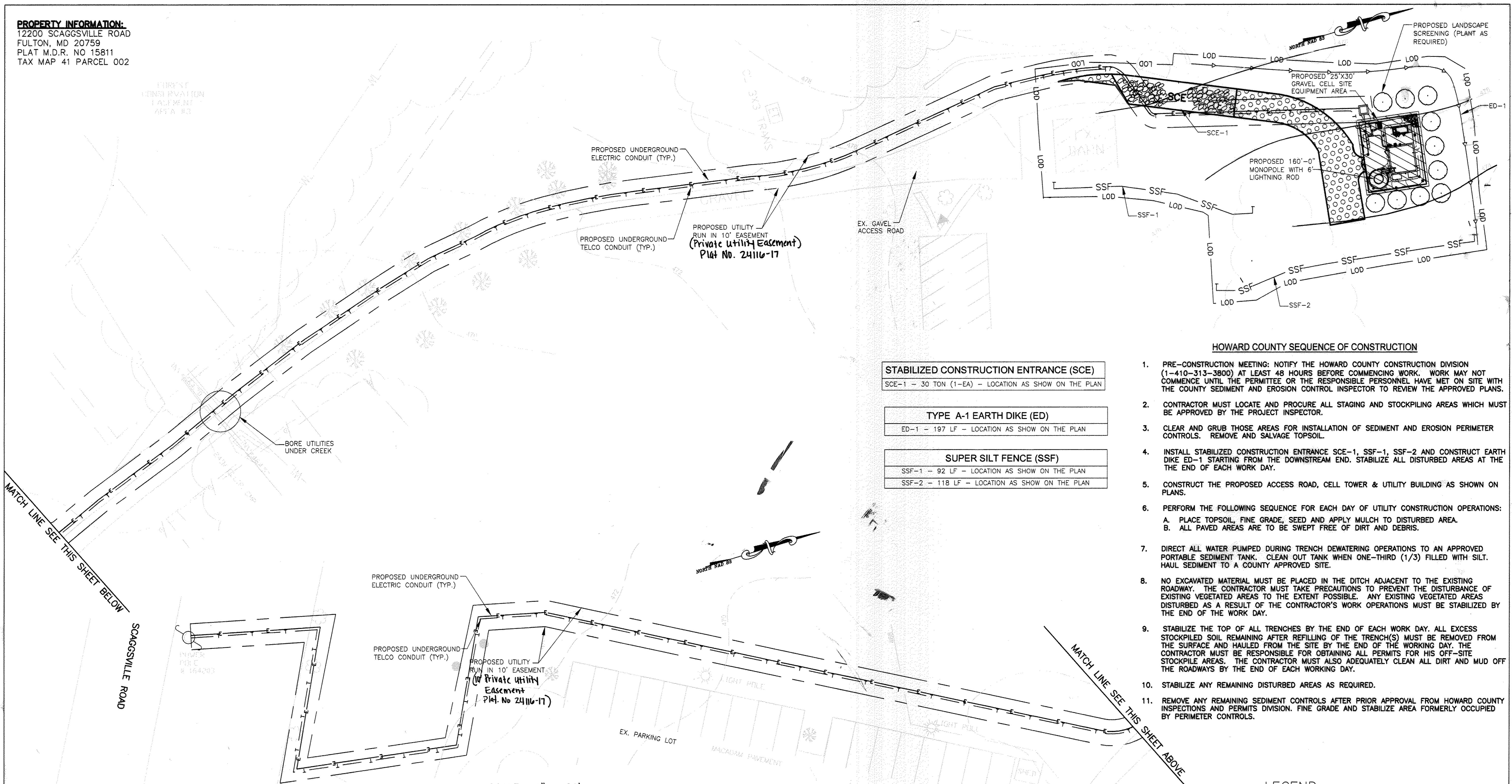


EXPLORATION RESEARCH, INC.
ENVIRONMENTAL CONSULTANTS
6318 FORREST STREET
ELLIOTT CITY, MARYLAND 21043
TEL: (410) 750-1150 FAX: (410) 750-7350



DATE	NO.	REVISION
12/27/06	3	AT&T EQUIPMENT
10/13/16	2	AT&T EQUIPMENT
8/21/16	1	AT&T EQUIPMENT
6/8/14	0	AT&T EQUIPMENT

PROPERTY INFORMATION:
 12200 SCAGGSVILLE ROAD
 FULTON, MD 20759
 PLAT M.D.R. NO 15811
 TAX MAP 41 PARCEL 002



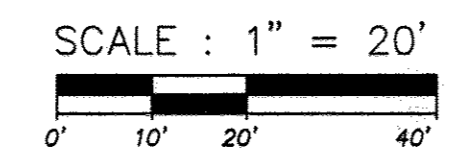
- STABILIZED CONSTRUCTION ENTRANCE (SCE)**
 SCE-1 - 30 TON (1-EA) - LOCATION AS SHOW ON THE PLAN
- TYPE A-1 EARTH DIKE (ED)**
 ED-1 - 197 LF - LOCATION AS SHOW ON THE PLAN
- SUPER SILT FENCE (SSF)**
 SSF-1 - 92 LF - LOCATION AS SHOW ON THE PLAN
 SSF-2 - 118 LF - LOCATION AS SHOW ON THE PLAN

HOWARD COUNTY SEQUENCE OF CONSTRUCTION

- PRE-CONSTRUCTION MEETING: NOTIFY THE HOWARD COUNTY CONSTRUCTION DIVISION (1-410-313-3800) AT LEAST 48 HOURS BEFORE COMMENCING WORK. WORK MAY NOT COMMENCE UNTIL THE PERMITTEE OR THE RESPONSIBLE PERSONNEL HAVE MET ON SITE WITH THE COUNTY SEDIMENT AND EROSION CONTROL INSPECTOR TO REVIEW THE APPROVED PLANS.
- CONTRACTOR MUST LOCATE AND PROCURE ALL STAGING AND STOCKPILING AREAS WHICH MUST BE APPROVED BY THE PROJECT INSPECTOR.
- CLEAR AND GRUB THOSE AREAS FOR INSTALLATION OF SEDIMENT AND EROSION PERIMETER CONTROLS. REMOVE AND SALVAGE TOPSOIL.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE SCE-1, SSF-1, SSF-2 AND CONSTRUCT EARTH DIKE ED-1 STARTING FROM THE DOWNSTREAM END. STABILIZE ALL DISTURBED AREAS AT THE END OF EACH WORK DAY.
- CONSTRUCT THE PROPOSED ACCESS ROAD, CELL TOWER & UTILITY BUILDING AS SHOWN ON PLANS.
- PERFORM THE FOLLOWING SEQUENCE FOR EACH DAY OF UTILITY CONSTRUCTION OPERATIONS:
 A. PLACE TOPSOIL, FINE GRADE, SEED AND APPLY MULCH TO DISTURBED AREA.
 B. ALL PAVED AREAS ARE TO BE SWEEPED FREE OF DIRT AND DEBRIS.
- DIRECT ALL WATER PUMPED DURING TRENCH DEWATERING OPERATIONS TO AN APPROVED PORTABLE SEDIMENT TANK. CLEAN OUT TANK WHEN ONE-THIRD (1/3) FILLED WITH SILT. HAUL SEDIMENT TO A COUNTY APPROVED SITE.
- NO EXCAVATED MATERIAL MUST BE PLACED IN THE DITCH ADJACENT TO THE EXISTING ROADWAY. THE CONTRACTOR MUST TAKE PRECAUTIONS TO PREVENT THE DISTURBANCE OF EXISTING VEGETATED AREAS TO THE EXTENT POSSIBLE. ANY EXISTING VEGETATED AREAS DISTURBED AS A RESULT OF THE CONTRACTOR'S WORK OPERATIONS MUST BE STABILIZED BY THE END OF THE WORK DAY.
- STABILIZE THE TOP OF ALL TRENCHES BY THE END OF EACH WORK DAY. ALL EXCESS STOCKPILED SOIL REMAINING AFTER REFILLING OF THE TRENCH(S) MUST BE REMOVED FROM THE SURFACE AND HAULED FROM THE SITE BY THE END OF THE WORKING DAY. THE CONTRACTOR MUST BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR HIS OFF-SITE STOCKPILE AREAS. THE CONTRACTOR MUST ALSO ADEQUATELY CLEAN ALL DIRT AND MUD OFF THE ROADWAYS BY THE END OF EACH WORKING DAY.
- STABILIZE ANY REMAINING DISTURBED AREAS AS REQUIRED.
- REMOVE ANY REMAINING SEDIMENT CONTROLS AFTER PRIOR APPROVAL FROM HOWARD COUNTY INSPECTIONS AND PERMITS DIVISION. FINE GRADE AND STABILIZE AREA FORMERLY OCCUPIED BY PERIMETER CONTROLS.

LEGEND

- LOD - LIMIT OF DISTURBANCE
- PROPERTY LINE
- PROPOSED GRAVEL ACCESS ROAD
- PROPOSED GRAVEL TOWER SITE



Site Analysis:
 Total Area of Site: 0.31 ac
 Area Disturbed: 0.31 ac
 Existing Gravel Access Road: 0.02 ac
 Area to be paved: 0.06 ac
 Area to be Vegetatively Stabilized: 0.23 ac

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 12/15/16
 DATE: 3-08-17
 DATE: 3-8-17

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 COUNTY HEALTH OFFICER
 DATE: 12/28/2016



smartlink
 1362 MELLON ROAD
 SUITE 140
 HANOVER, MD 21076
 TEL: (410) 582-8043 FAX: (443) 221-2962

Dewberry
 Dewberry Engineers Inc.
 3106 LORD BALTIMORE DRIVE
 SUITE 110
 BALTIMORE, MD 21244
 PHONE: 410.265.9500
 FAX: 410.265.8875

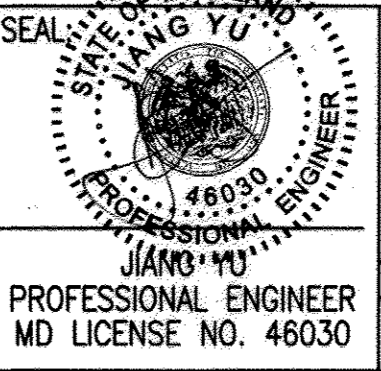
SITE NAME: SCAGGSVILLE
SITE ID NUMBER: 4378-11642525
 12200 SCAGGSVILLE ROAD
 FULTON, MD 20759

at&t
 MOBILITY
 7150 STANDARD DRIVE
 HANOVER, MD 21076

NO.	DATE	REVISIONS	BY	CHK	APP'D
3	11/22/16	ISSUED FOR REVIEW	NS	NSB	JY
2	10/13/16	ISSUED FOR REVIEW	NS	NSB	JY
1	08/22/16	ISSUED FOR REVIEW	NS	NSB	RC
0	06/18/14	ISSUED FOR REVIEW	MCA	NSB	NSB

SCALE: AS SHOWN DESIGNED BY: MCA DRAWN BY: MCA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 46030, Expiration Date: NOV. 7, 2017.



CONCEPT SEDIMENT AND EROSION CONTROL PLAN
 Temple Isaiah - AT&T Scaggsville Site
 PROJECT NUMBER: 50045746
 JOB NUMBER: 25736-435 DRAWING NUMBER: 20 OF 24 REV: 3

DETAIL E-3 SUPER SILT FENCE

STANDARD SYMBOL: SSF

CONSTRUCTION SPECIFICATIONS

- INSTALL 2 3/4 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
- FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 3/4 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
- FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
- WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
- EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
- PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL C-1 EARTH DIKE

STANDARD SYMBOL: A-1

DIKE TYPE

	A	B
a - DIKE HEIGHT	18 IN MIN.	30 IN MIN.
b - DIKE WIDTH	24 IN MIN.	36 IN MIN.
c - FLOW WIDTH	4 FT MIN.	6 FT MIN.
d - FLOW DEPTH	12 IN MIN.	24 IN MIN.

FLOW CHANNEL STABILIZATION

A-1 SEED WITH STRAW MULCH AND TACK. (NOT ALLOWED FOR CLEAR WATER DIVERSION.)
A-2/B-2 SEED WITH SOIL STABILIZATION MATTING OR LINE WITH SOIL.
A-3/B-3 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE PRESSED INTO SOIL A MINIMUM OF 7 INCHES AND FLUSH WITH GROUND.

CONSTRUCTION SPECIFICATIONS

- REMOVE AND DISPOSE OF ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF EARTHDIKE.
- EXCAVATE OR SHAPE EARTH DIKE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
- COMPACT FILL.
- CONSTRUCT FLOW CHANNEL ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION DUE TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
- STABILIZE EARTH DIKE WITHIN THREE DAYS OF INSTALLATION. STABILIZE FLOW CHANNEL FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
- MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP EARTH DIKE AND POINT OF DISCHARGE FREE OF EROSION, AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.
- UPON REMOVAL OF EARTH DIKE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL: SCE

CONSTRUCTION SPECIFICATIONS

- PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (+30 FEET FOR SINGLE RESIDUE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
- PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
- PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
- MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT, ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAR SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

- HOWARD COUNTY SEDIMENT CONTROL GENERAL NOTES**
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. 410-313-1855.
 - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THE PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: A) 3 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 7 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. B-4-5), TEMPORARY SEEDING (SEC. B-4-4) AND MULCHING (SEC. B-4-3). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - ANY SEDIMENT CONTROL PRACTICES WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 - ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY MUST BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
 - TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH MUST BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.
 - ANY CHANGES OR REVISIONS TO THE SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE PLAN APPROVAL AUTHORITY PRIOR TO PROCEEDING WITH CONSTRUCTION.
 - A PROJECT IS TO BE SEQUENCED SO THAT GRADING ACTIVITIES BEGIN ON ONE GRADING UNIT (MAXIMUM ACREAGE OF 20 AC. PER GRADING UNIT) AT A TIME. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS TO BE STABILIZED AND APPROVED BY THE ENFORCEMENT AUTHORITY. UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.

- BEST MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, AND 100 YEAR FLOODPLAIN**
- NO EXCESS FILL, CONSTRUCTION MATERIAL, OR DEBRIS MUST BE STOCKPILED OR STORED IN NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100 YEAR FLOODPLAIN.
 - PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100 YEAR FLOODPLAIN.
 - DO NOT USE THE EXCAVATED MATERIAL AS BACKFILL IF IT CONTAINS WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE. IF ADDITIONAL BACKFILL IS REQUIRED, USE CLEAN MATERIAL FREE OF ANY WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE.
 - PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY OPERATE THE EQUIPMENT TO PREVENT DAMAGE TO NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100 YEAR FLOODPLAIN.
 - REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, OR PERMANENT MODIFICATION OF THE 100 YEAR FLOODPLAIN IN EXCESS OF THAT LOST UNDER THE ORIGINALLY AUTHORIZED STRUCTURE OR FILL.
 - RECTIFY ANY NONTIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, OR 100 YEAR FLOODPLAIN TEMPORARILY IMPACTED BY ANY CONSTRUCTION.
 - ALL STABILIZATION IN THE NONTIDAL WETLAND AND NONTIDAL WETLAND BUFFER MUST CONSIST OF THE FOLLOWING SPECIES: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARLEY (HORDEUM SP.), OATS (Avena sp.), AND/OR RYE (SECALE CEREALE). THESE SPECIES WILL ALLOW FOR THE STABILIZATION OF THE SITE WHILE ALSO ALLOWING FOR THE VOLUNTARY REVEGETATION OF NATURAL WETLAND SPECIES. OTHER NON-PERSISTENT VEGETATION MAY BE ACCEPTABLE, BUT MUST BE APPROVED BY THE NONTIDAL WETLANDS AND WATERWAYS DIVISION. KENTUCKY 31 FESCUE MUST NOT BE UTILIZED IN WETLAND OR BUFFER AREAS. THE AREA SHOULD BE SEEDED AND MULCHED TO REDUCE EROSION AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
 - AFTER INSTALLATION HAS BEEN COMPLETED, MAKE POST-CONSTRUCTION GRADES AND ELEVATIONS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS IN TEMPORARILY IMPACTED AREAS.
 - TO PROTECT AQUATIC SPECIES, IN-STREAM WORK IS PROHIBITED AS DETERMINED BY THE CLASSIFICATION OF THE STREAM: USE 1 WATERS: IN-STREAM WORK MUST NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR.
 - STORMWATER RUNOFF FROM IMPERVIOUS SURFACES MUST BE CONTROLLED TO PREVENT THE WASHING OF DEBRIS INTO THE WATERWAY.
 - CULVERTS MUST BE CONSTRUCTED AND ANY RIPRAP PLACED SO AS NOT TO OBSTRUCT THE MOVEMENT OF AQUATIC SPECIES, UNLESS THE PURPOSE OF THE ACTIVITY IS TO IMPOUND WATER.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
CHIEF DEVELOPMENT ENGINEERING DIVISION 12/28/16
CHIEF DIVISION OF LAND DEVELOPMENT 3-08-17
DIRECTOR 3-8-17

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
COUNTY HEALTH OFFICER 12/28/2016
HOWARD COUNTY HEALTH DEPT. DATE

2

smartlink
1362 MELLON ROAD SUITE 140 HANOVER, MD 21076
TEL: (410) 582-8043 FAX: (443) 221-2962

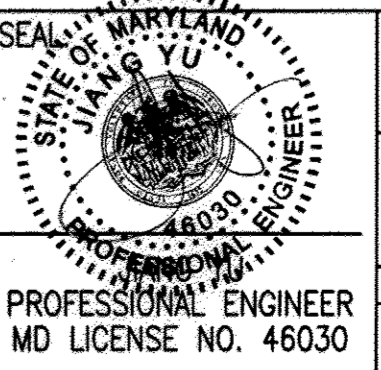
Dewberry
Dewberry Engineers Inc.
3106 LORD BALTIMORE DRIVE SUITE 110 BALTIMORE, MD 21244
PHONE: 410.265.9500 FAX: 410.265.8875

SITE NAME: SCAGGSVILLE
SITE ID NUMBER: 4378-11642525
12200 SCAGGSVILLE ROAD FULTON, MD 20759

at&t MOBILITY
7150 STANDARD DRIVE HANOVER, MD 21076

3	11/22/16	ISSUED FOR REVIEW	NS	NSB	JY
2	10/13/16	ISSUED FOR REVIEW	NS	NSB	JY
1	08/22/16	ISSUED FOR REVIEW	NS	NSB	RC
0	06/18/14	ISSUED FOR REVIEW	MCA	NSB	NSB
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: MCA	DRAWN BY: MCA		

"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 46030, Expiration Date: NOV. 7, 2017."



SEDIMENT AND EROSION CONTROL NOTES & DETAILS
Temple Kaib - AT&T Scaggsville Site

PROJECT NUMBER: 50045746

JOB NUMBER	DRAWING NUMBER	REV
25736-435	22 OF 24	3

MASER CONSULTING P.A.
 Customer Loyalty through Client Satisfaction
 www.maserconsulting.com
 Engineers • Planners • Surveyors
 Landscape Architects • Environmental Scientists

Office Locations:
 ■ Red Bank, NJ ■ Sterling, VA ■ Hawthorne, NJ
 ■ Clinton, NJ ■ Norfolk, VA ■ Lehigh Valley, PA
 ■ Hamilton, NJ ■ Albuquerque, NM ■ Exton, PA
 ■ Harmor, NJ ■ Albany, NY ■ Philadelphia, PA
 ■ Mt. Arlington, NJ ■ Chestnut Ridge, NY ■ Columbia, MD
 ■ Mt. Laurel, NJ ■ Newburgh, NY ■ Tampa, FL

State of NJ, Certificate of Authorization: 24GA27986500

Copyright © 2016, Maser Consulting P.A. All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for which the services were contracted or to whom it is certified. This drawing may not be copied, reused, modified, distributed or relied upon for any other purpose without the express written consent of Maser Consulting P.A.

smartlink
 1362 MELLON ROAD
 SUITE 140
 HANOVER, MD 21076
 TEL: (410) 582-8043 FAX: (443) 221-2962

at&t
 NEW INCINGULAR WIRELESS PCS, LLC
 7150 STANDARD DRIVE
 HANOVER, MD 21076

811 PROTECT YOURSELF
 ALL STATES REQUIRE NOTIFICATION OF
 EDUCATORS, DESIGNERS, OR ANY PERSON
 PREPARING TO DISTURB THE SURFACE
 SURFACE ANYWHERE IN ANY STATE

Know what's below.
 Call before you dig.
 FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:
 WWW.CALL811.COM

SCALE: AS SHOWN JOB NUMBER: 16949004A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
3	11/22/16	FOR CONSTRUCTION	NB	NSB
2	10/24/16	FOR CONSTRUCTION	TS	NSB
1	07/21/16	FOR CONSTRUCTION	NB	NSB
0	05/06/16	FOR CONSTRUCTION	NB	NSB
A	03/25/16	ISSUED FOR REVIEW	NB	NSB

NICHOLAS S. BERTE, P.E.
 MARYLAND PROFESSIONAL
 ENGINEER - LICENSE NUMBER: 37157

"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 0037157, Expiration Date: July 17, 2017"

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
 SCAGGSVILLE
 FA #: 11642525
 SITE #: 4378
 12234 SCAGGSVILLE ROAD
 FULTON, MD 20759
 HOWARD COUNTY

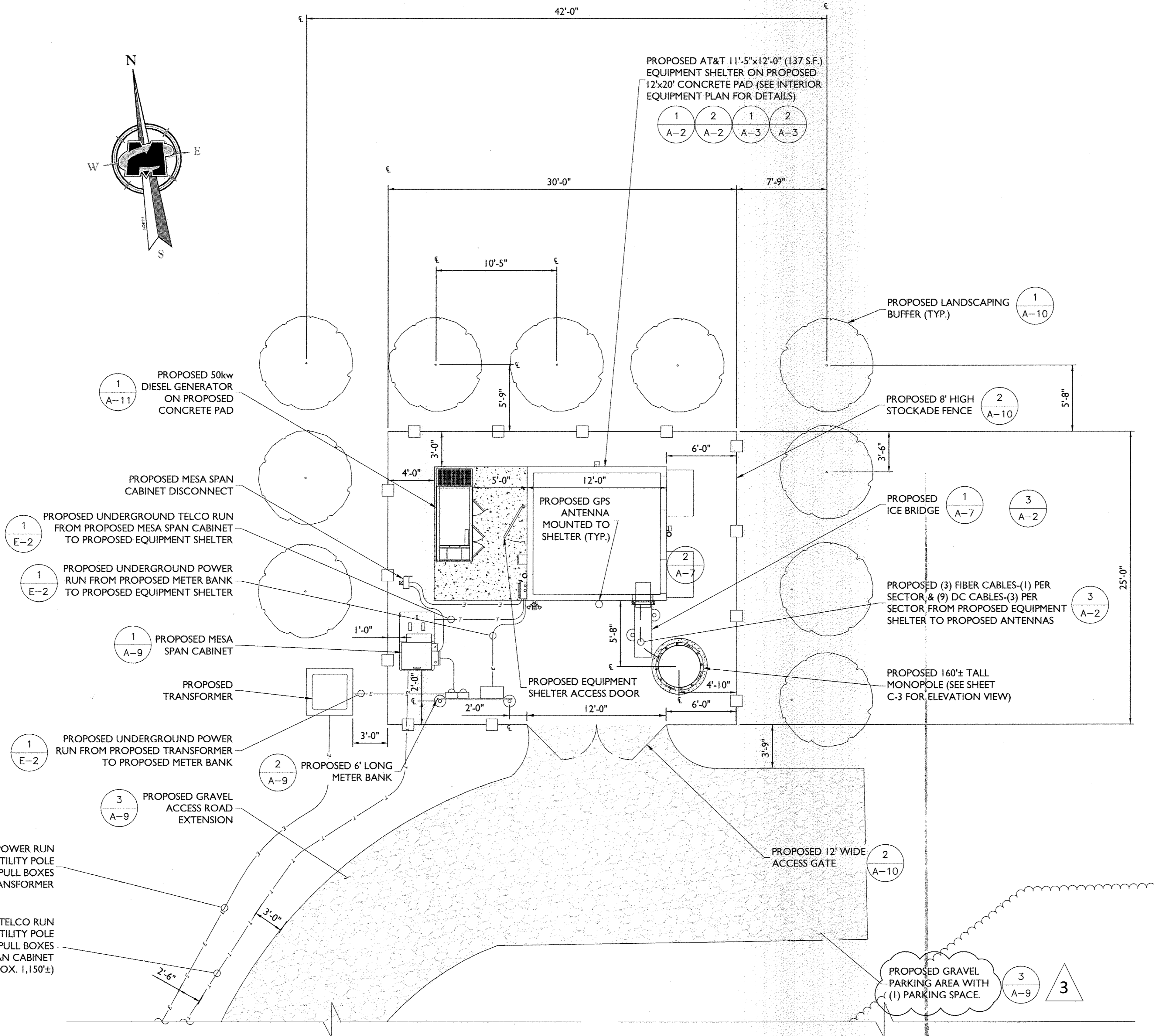
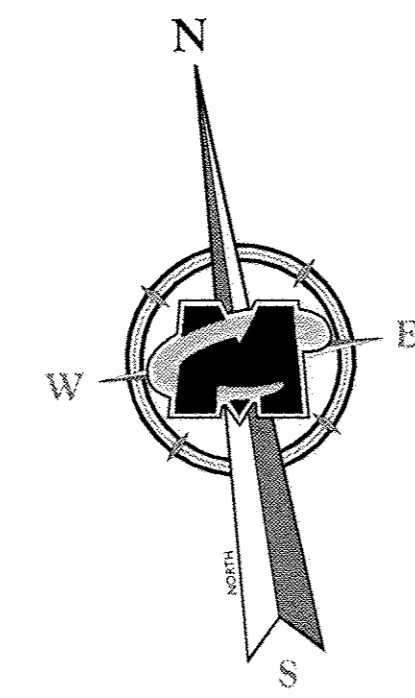
COLUMBIA OFFICE
 6240 Old Cobbin Lane,
 Suite 150
 Columbia, MD 21045
 Phone: 877.627.3772

SHEET TITLE:
 Temple Kaiah - AT&T Scaggsville
 COMPOUND PLAN

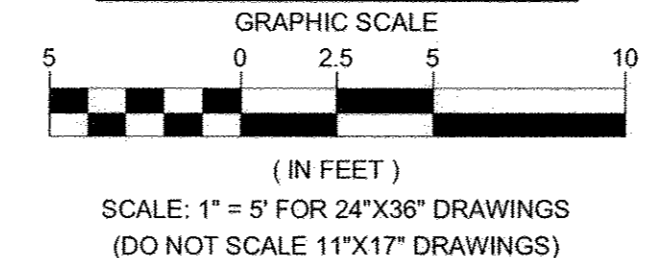
SHEET NUMBER:
 SHEET 23 OF 24

3

SDP-02-155



COMPOUND PLAN



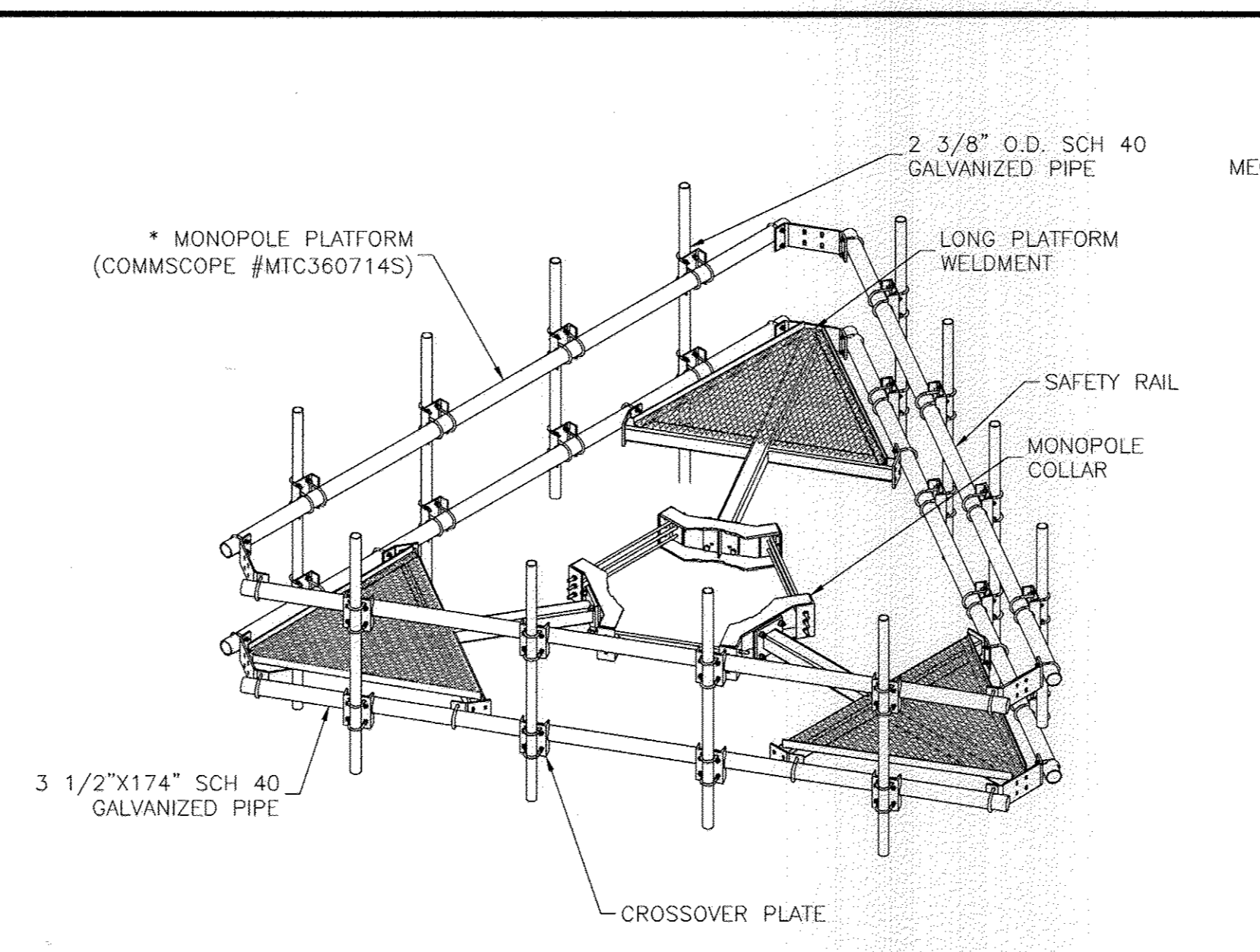
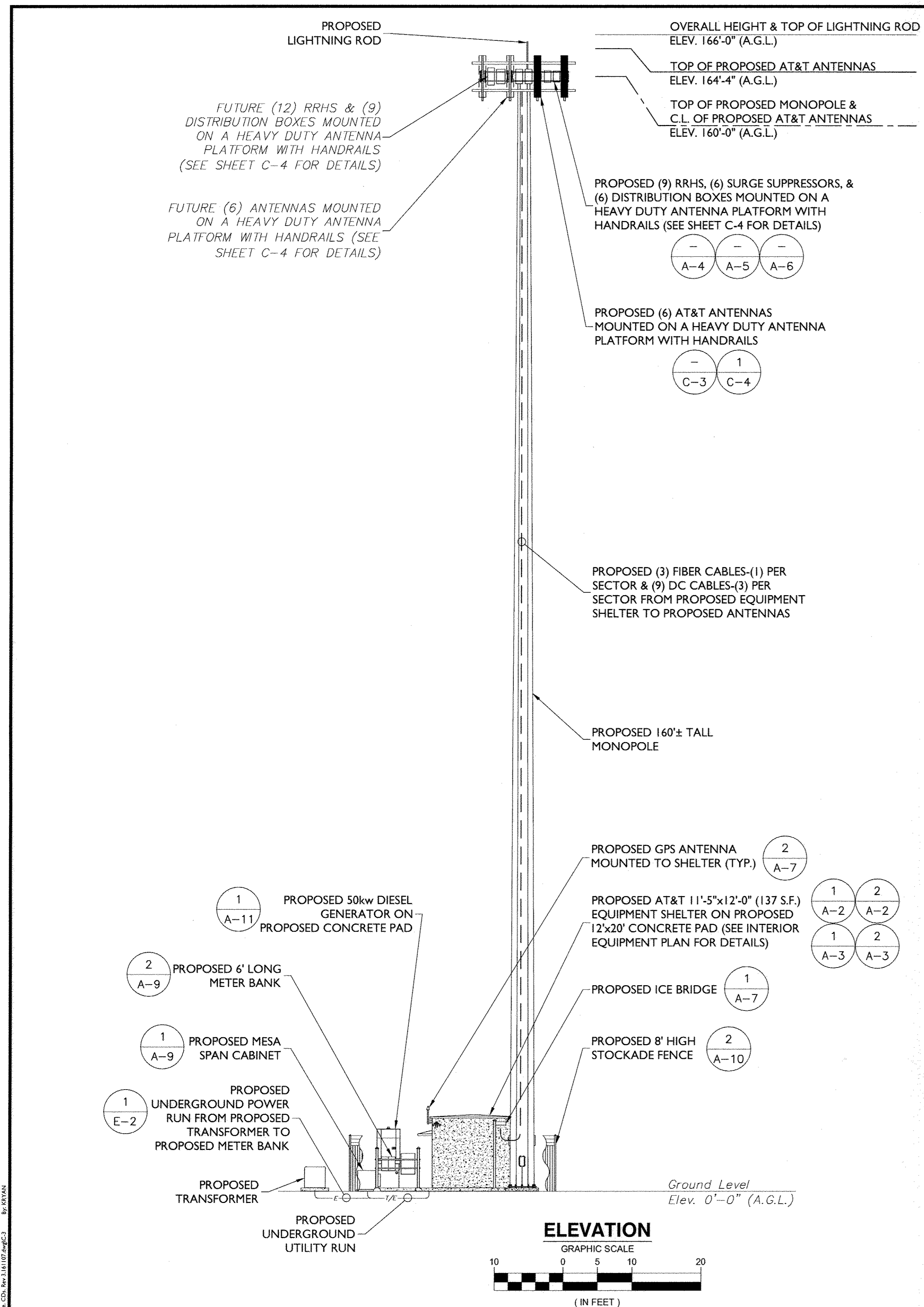
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION *[Signature]* 12/18/16 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT *[Signature]* 3-02-17 DATE
 DIRECTOR *[Signature]* 3-8-17 DATE

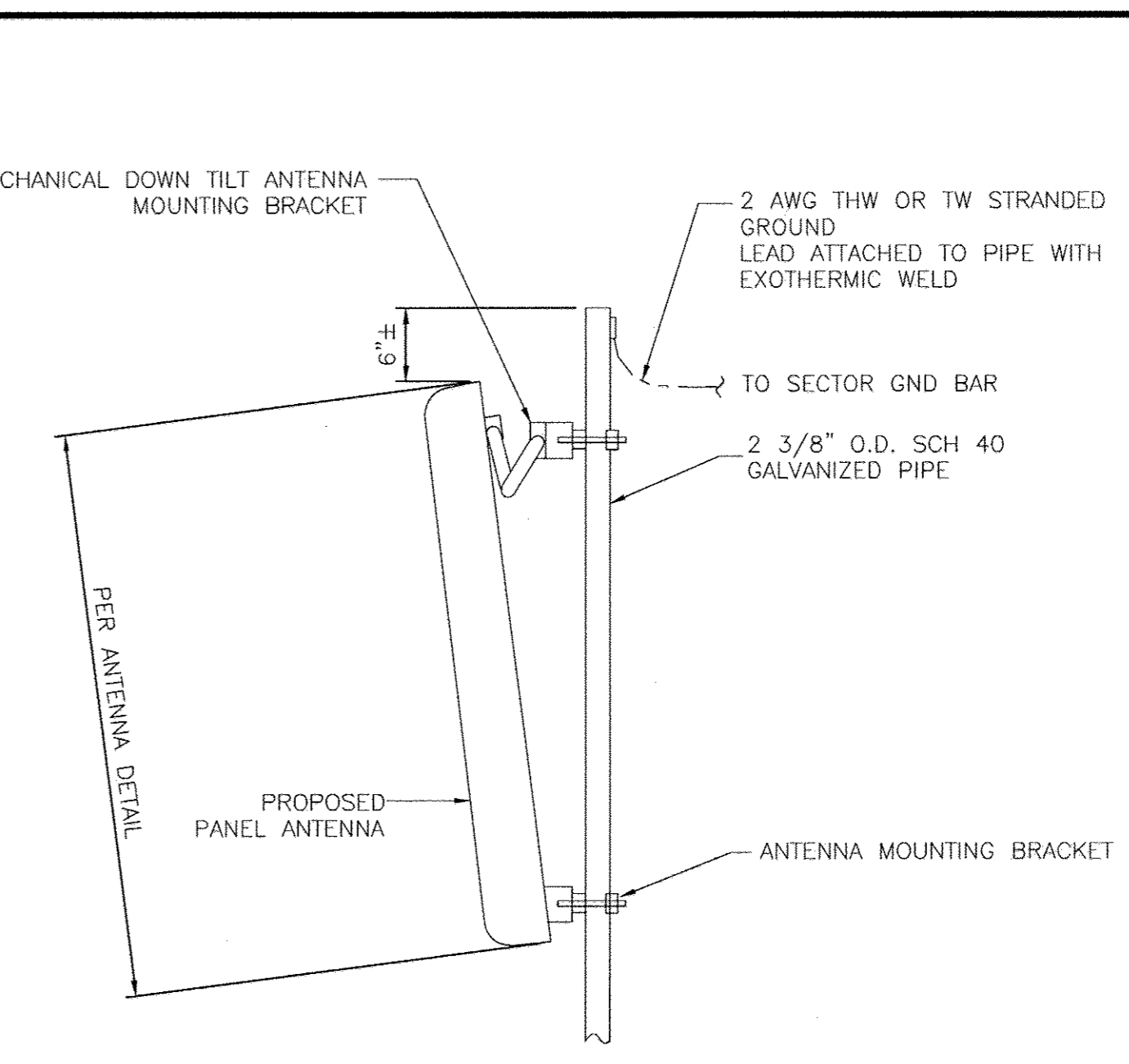
APPROVED: FOR PRIVATE WATER PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

[Signature] for *[Signature]* 12/28/2016 DATE
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

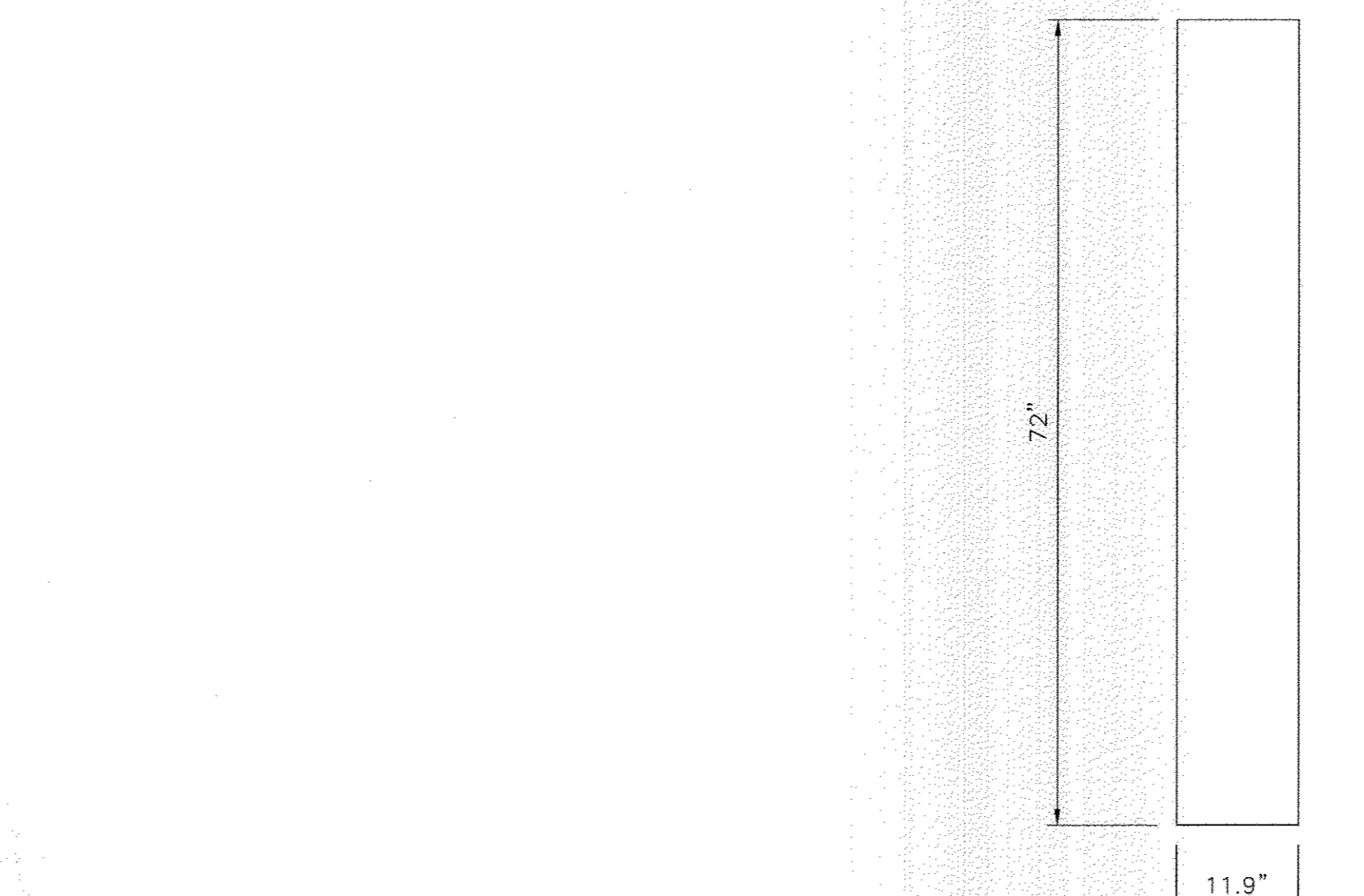
By: RYAN



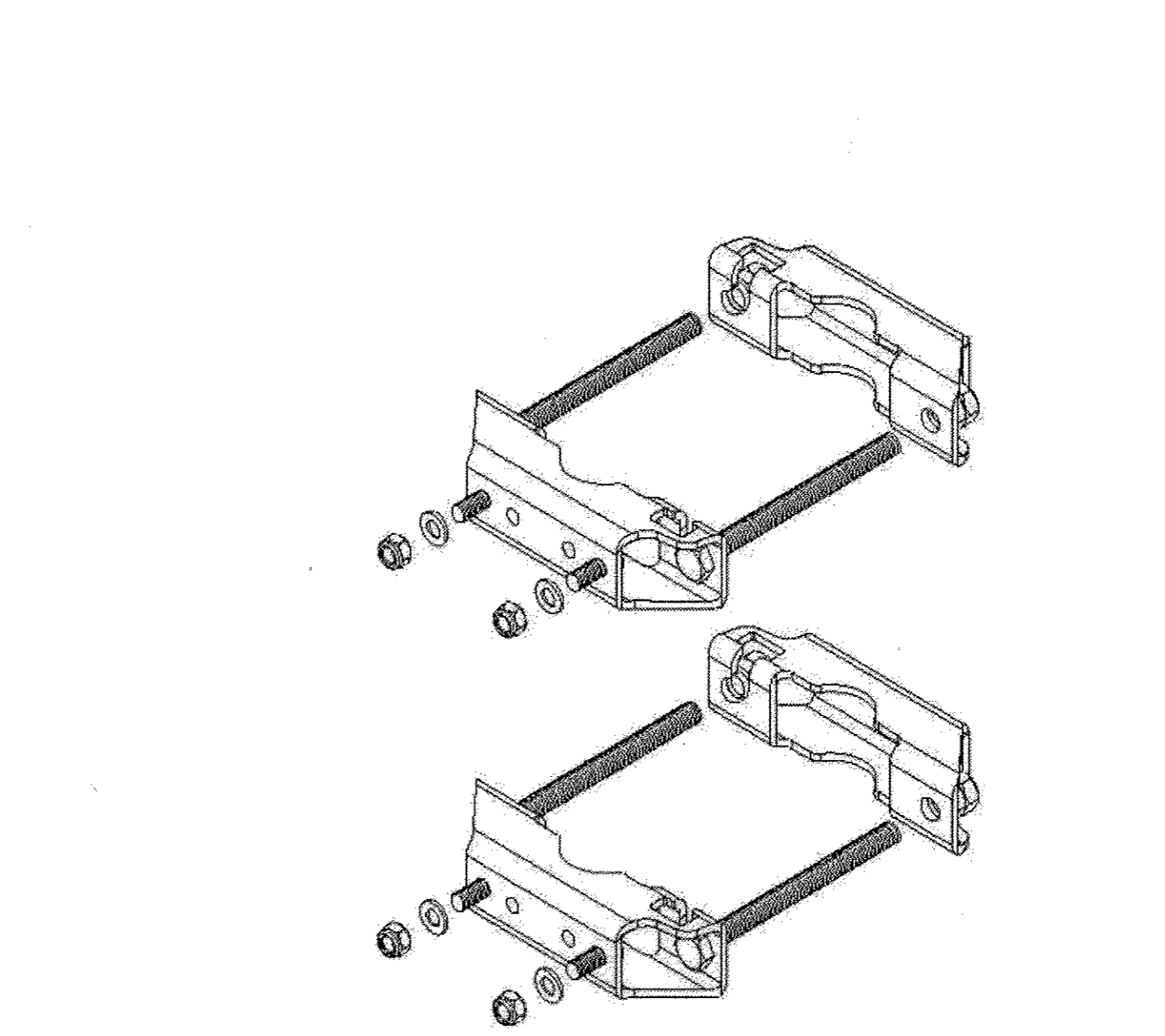
HEAVY DUTY MONOPOLE PLATFORM DETAIL 1
NOT TO SCALE



ANTENNA MOUNTING DETAIL 2
NOT TO SCALE



ANTENNA DETAIL 3
NOT TO SCALE



ANTENNA MOUNT CONNECTION 4
NOT TO SCALE

- STRUCTURAL NOTES:**
1. A STRUCTURAL ANALYSIS TO DETERMINE IF THE EXISTING TOWER AND FOUNDATION CAN ADEQUATELY SUPPORT THE PROPOSED LOADING HAS NOT BEEN PREPARED/ANALYZED BY MASER CONSULTING P.A. AND IS TO BE PERFORMED BY OTHERS.
 2. NO CONSTRUCTION SHALL PROCEED UNTIL ADEQUACY OF EXISTING TOWER AND FOUNDATION WITH PROPOSED LOADING CONDITIONS IS CONFIRMED BY OWNER/SMARTLINK.
 3. REFER TO STRUCTURAL ANALYSIS FOR THE EXACT ROUTING AND PLACEMENT OF COAX CABLES, INNERDUCTS AND DC CONDUCTORS ON EXISTING TOWER.
 4. A STANDARD ANTENNA MOUNT HAS BEEN SPECIFIED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY THE STRUCTURAL CAPACITY OF THE PROPOSED ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING WITH THE MOUNT MANUFACTURER.

MASER CONSULTING P.A.
Customer Loyalty through Client Satisfaction
www.maserconsulting.com
Engineers ■ Planners ■ Surveyors
Landscape Architects ■ Environmental Scientists

Office Locations:
 ■ Red Bank, NJ ■ Sterling, VA ■ Hawthorne, NY
 ■ Clinton, NJ ■ Norfolk, VA ■ Lehigh Valley, PA
 ■ Hampton, NJ ■ Albuquerque, NM ■ Exton, PA
 ■ Marmora, NJ ■ Albany, NY ■ Philadelphia, PA
 ■ Mt. Arlington, NJ ■ Chestnut Ridge, NY ■ Columbia, MD
 ■ Mt. Laurel, NJ ■ Newburgh, NY ■ Tampa, FL

State of NJ, Certificate of Authorization 24G27986500
 Copyright © 2014, Maser Consulting P.A. All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or in whom it is certified. This drawing may not be copied, reprinted, distributed or used in any way for any other purpose without the express written consent of Maser Consulting P.A.

smartlink
1362 MELLON ROAD
SUITE 140
HANOVER, MD 21076
TEL: (410) 582-8043 FAX: (410) 221-2962

at&t
NEW CINGULAR WIRELESS PCS, LLC
7150 STANDARD DRIVE
HANOVER, MD 21076

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OR EXCAVATORS, DESIGNERS OR ANY PERSON PREPARING TO DIG THE GROUND SURFACE ANYWHERE IN ANY STATE
Know what's below.
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	JOB NUMBER:			
AS SHOWN	16949004A			
3	11/22/16 FOR CONSTRUCTION NB NSB			
2	10/24/16 FOR CONSTRUCTION TS NSB			
1	07/21/16 FOR CONSTRUCTION NB NSB			
0	05/06/16 FOR CONSTRUCTION NB NSB			
A	03/25/16 ISSUED FOR REVIEW NB NSB			
REV	DATE	DESCRIPTION	DRAWN	CHECKED

NICHOLAS S. BERTE, P.E.
MARYLAND PROFESSIONAL ENGINEER - LICENSE NUMBER: 37157
"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 0037157, Expiration Date: July 17, 2017"

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
SCAGGSVILLE
FA #: 11642525
SITE #: 4378
12234 SCAGGSVILLE ROAD
FULTON, MD 20759
HOWARD COUNTY

COLUMBIA OFFICE
6240 Old Dobbin Lane,
Suite 150
Columbia, MD 21045
Phone: 877.627.3772

SHEET TITLE: **Temple Kaiah - AT&T Scaggsville site ANTENNA DETAILS**
SHEET NUMBER: **SHEET 24 OF 24**

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division: *12/15/16*
 Chief, Division of Land Development: *3-08-17*
 Director: *3-8-17*

APPROVED: FOR PRIVATE WATER PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 County Health Officer: *12/28/2016*
 HOWARD COUNTY HEALTH DEPARTMENT

3

SDP02-155