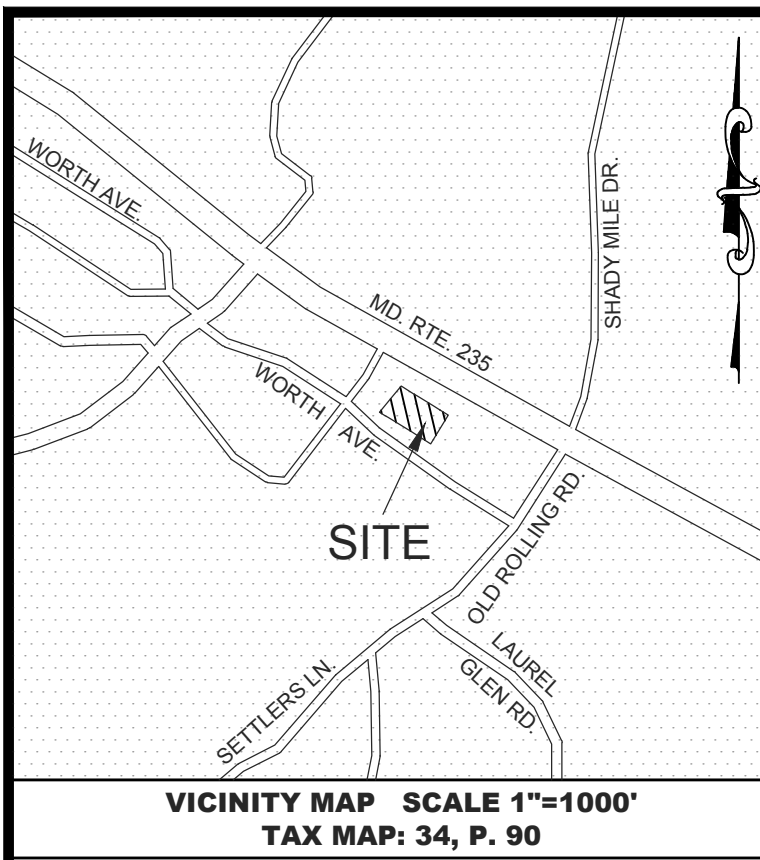


# CONCEPT SITE PLAN

# PANERA BREAD

## TAX MAP: 34, PARCEL: 90



VICINITY MAP SCALE 1"=1000'  
TAX MAP: 34, P. 90

### BENCHMARKS

- BM #1 IRF - EL: 117.95  
N - 230282.0 E - 1452942.7
- BM #2 IRF - EL: 119.85  
N - 230433.0 E - 1452697.3
- BM #3 IRF - EL: 123.11  
N - 230297.5 E - 1452583.5



### PROJECT NARRATIVE

THE PROJECT SITE CONSISTS OF 1.210 ACRES OF LAND ZONED 'MXM' WITH APPROXIMATELY 0 ACRES ON THE PARCEL WITHIN THE CRITICAL RESOURCE AREA. THE SITE IS LOCATED APPROXIMATELY 3/4 OF ONE MILE SOUTH OF THE INTERSECTION OF ROUTE 4 AND ROUTE 235 OFF OF WORTH AVENUE IN CALIFORNIA, MARYLAND. THE CURRENT SITE USE IS COMMERCIAL WITH 1 EXISTING COMMERCIAL BANKING CENTER. THE EXISTING NATURAL RESOURCES ARE LIMITED TO MINOR ON SITE LANDSCAPING. THERE ARE NO 100-YEAR FLOOD PLAIN AREAS ON THIS SITE. THERE ARE NO STEEP SLOPES AND NO HIGHLY-ERODIBLE SOILS ON THE SITE. PRESENTLY, THE SITE DRAINS PRIMARILY FROM WEST TO EAST WHERE IT IS COLLECTED BY AN EXISTING ONSITE STORM DRAIN SYSTEM. THIS SYSTEM DISCHARGES TO A COMBINATION OF UNDER AND ABOVE GROUND SWM FACILITIES CONSTRUCTED WITH THE PREVIOUS DEVELOPMENT OF THE SHOPPING CENTER.

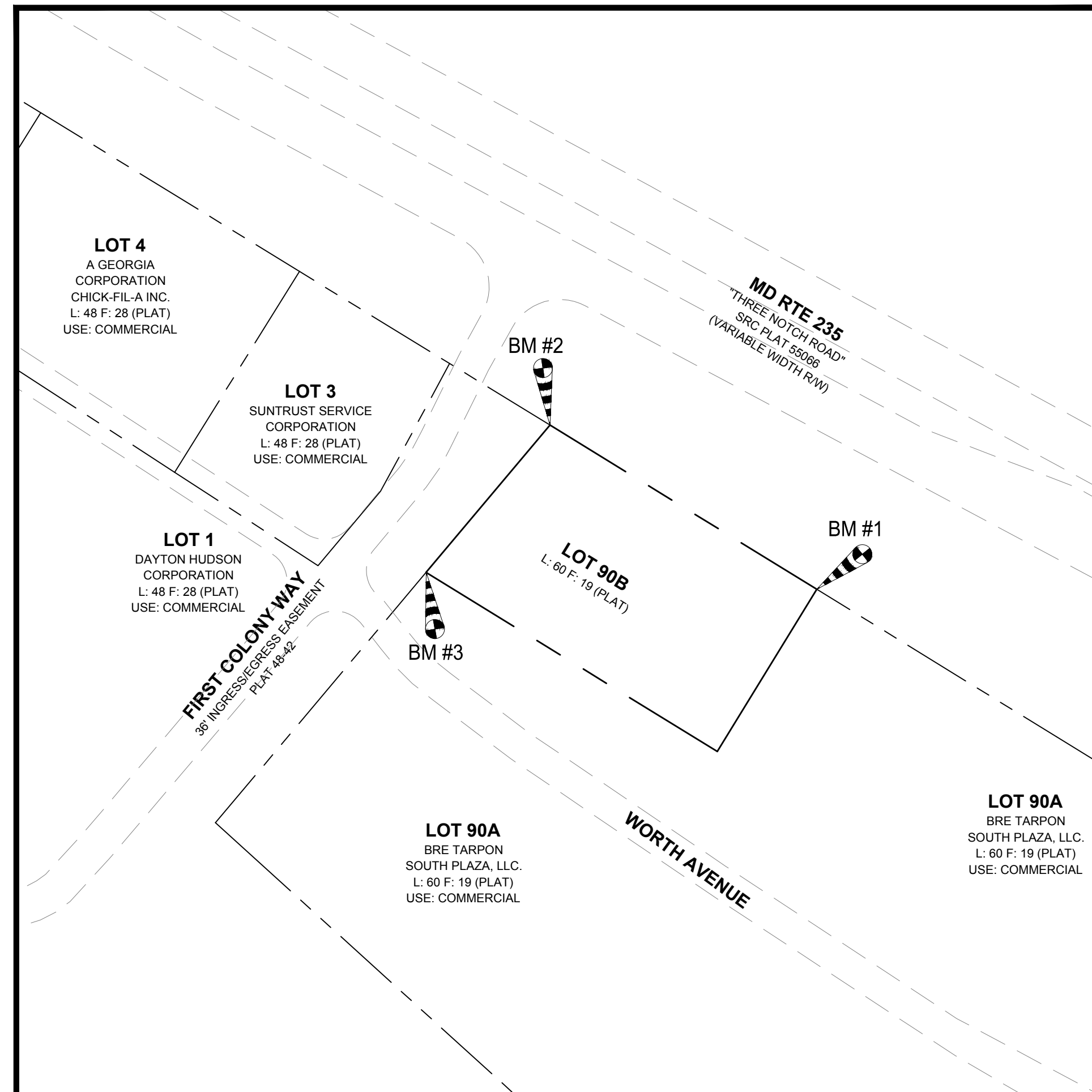
THE PROPOSED DEVELOPMENT IS A SINGLE FAST FOOD RESTAURANT. THE PROPOSED IMPROVEMENTS WILL INCLUDE: THE STRUCTURE, LANDSCAPING, PARKING AND RELATED INFRASTRUCTURE. THE PROPOSED SITE LAYOUT WAS DEVELOPED WITH THE OBJECTIVES OF: REDUCING IMPACTS TO THE EXISTING ENVIRONMENTAL FEATURES, MINIMIZING IMPERVIOUS AREAS, MAINTAINING EXISTING DRAINAGE PATTERNS, AND PREVENTING EROSION AND POLLUTANT IMPACTS FROM THE DEVELOPMENT PROJECT. BECAUSE EXISTING SITE IMPERVIOUSNESS IS GREATER THAN 40% THE PROJECT IS SUBJECT TO REDEVELOPMENT STORMWATER MANAGEMENT REQUIREMENTS. THE PROJECT HAS BEEN DESIGNED TO PROVIDE WATER QUALITY TREATMENT FOR MORE THAN 50% OF THE EXISTING IMPERVIOUS AREA THROUGH THE USE OF ALTERNATIVE FILTRATION PRACTICES, THEREBY MEETING THE REQUIREMENTS OF THE MARYLAND STORMWATER DESIGN MANUAL REVISED MAY 2009.

### GENERAL NOTES

- SITE ADDRESS: 4510 WORTH AVENUE, CALIFORNIA, MD. 20619
- THIS PROJECT PROPOSES THE CONSTRUCTION OF ONE 4,800 SQUARE FOOT BUILDING AND ASSOCIATED CURBING AND INFRASTRUCTURE.
- THE SITE IS TO BE SERVED BY PUBLIC WATER AND SEPTIC. THIS PLAN IS IN COMPLIANCE WITH THE ST. MARY'S COUNTY COMPREHENSIVE WATER AND SEWERAGE PLAN.
- ALL EXISTING ON-SITE UTILITIES, OBSTRUCTIONS AND TOPOGRAPHY ARE SHOWN FROM FIELD LOCATION PERFORMED BY R. A. BARRETT & ASSOCIATES, INC. ON 02/14/2020.
- OFF-SITE TOPOGRAPHY SHOWN FROM ST. MARY'S COUNTY GIS.
- BOUNDARY IS SHOWN FROM FIELD SURVEY PERFORMED BY R. A. BARRETT & ASSOCIATES, INC. ON 02/14/2020.
- THE PROPERTY LIES WITHIN ZONE "X" PER FEMA FIRM PANEL 24037 C0192E EFFECTIVE DATE 10/19/2004.
- THERE ARE NO 100 YEAR FLOOD PLAIN AREAS WITHIN THE PROPOSED LIMIT OF DISTURBANCE PER FEMA FIRM PANEL 24037 C0192E.
- THERE ARE NO STEEP SLOPES ON THE SUBJECT PROPERTY.
- ALL SOILS ON SITE AREA ARE BISE2 "C".
- BUILDING RESTRICTION LINES SHOWN PER CURRENT ST. MARY'S COUNTY ZONING ORDINANCE.
- THE CONTRACTOR SHALL NOTIFY THE ST. MARY'S COUNTY DEPARTMENT OF PUBLIC WORKS AT 301-863-8401 AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- STORMWATER TO BE PROVIDED WITH TWO SEPARATE FILTERRA SEDIMENT CHAMBERS (FTSC)
- THERE ARE NO WELLS OR SEPTIC AREAS ON SITE OR WITHIN 100 FEET OF THE PROPOSED WORK EXCEPT AS SHOWN HERON.

### PATUXENT RIVER WATERSHED NOTES

- DEVELOPMENT PROPOSALS LOCATED ON LANDS IN THE PATUXENT WATERSHED SHALL BE REQUIRED TO DESIGN AND IMPLEMENT THE FOLLOWING ADDITIONAL MEASURES TO PREVENT SEVERE EROSION OF HIGHLY ERODIBLE SOILS LOCATED ON AND OFF-SITE FROM THE EFFECTS OF ALTERED DRAINAGE PATTERNS AND DISCHARGE OF CONCENTRATED RUNOFF:
- ANY CONCENTRATION OF RUNOFF THAT WILL FLOW ACROSS HIGHLY ERODIBLE SOILS LOCATED BETWEEN THE POINT OF CONCENTRATION OF THE RUNOFF TO THE POINT OF ENTRY OF THE RUNOFF INTO A PERENNIAL STREAM OR OTHER WATERS OF THE STATE SHALL BE MANAGED USING BOTH STRUCTURAL AND NONSTRUCTURAL BEST MANAGEMENT PRACTICES (BMPs) ON SITE AND OFF-SITE.
  - PROVISIONS FOR ACCESS, INSTALLATION, AND MAINTENANCE OF THE BMPs SHALL BE REQUIRED FOR BOTH ON AND OFF-SITE MEASURES.



LOCATION MAP

SCALE: 1" = 100'

### SHEET INDEX

1	COVER SHEET
2	EXISTING CONDITION & DEMOLITION PLAN
3	SITE PLAN
4	UTILITY, GRADING, SEDIMENT & EROSION CONTROL PLAN
5	NOTES & DETAILS

### APPLICANT:

CHRIS BROWN  
CALIFORNIA WORTH AVE, LLC.  
19 ELIZABETH WAY  
BEDFORD, NH 03110

SIGNATURE: *Chris Brown* DATE: 3/31/2020

PRINTED NAME: CHRIS BROWN

### CONSULTANT CERTIFICATION:

"I CERTIFY THAT THE ATTACHED CONCEPT STORMWATER MANAGEMENT PLAN REPRESENTS ALL SIGNIFICANT NATURAL RESOURCES BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT THE PLAN CONTAINS ALL OF THE 'REQUIRED INFORMATION' AS INDICATED IN THE CHECKLIST ABOVE. I HAVE REVIEWED THIS CONCEPT PLAN WITH THE OWNER/DEVELOPER."

SIGNATURE: *Anthony M. Oleksyn* MD LICENSE #: 37967  
PRINTED NAME: ANTHONY M. OLEKSYN EXPIRATION DATE: 12/19/2021

### LEGEND

- 2 10 --- PROPOSED CONTOURS
- 2 10 - - - EXISTING CONTOURS
- - - PROPERTY LINE
- - - BUILDING RESTRICTION LINE
- || SAWCUT LINE
- - - SFOP
- - - LOD LIMIT OF DISTURBANCE
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED LANDSCAPING
- SWM FILTERRA UNIT
- SWM DRAINAGE AREA
- SOIL TYPE DELINEATION
- LIGHT POLE

### LANDSCAPING REQUIREMENT

SITE AREA	1,210 AC
TOTAL SITE AREA	52,707
20% X 52,707 SF REQUIREMENT	10,541
EXISTING ON-SITE LANDSCAPING	5,038
EXISTING ON-SITE LANDSCAPING TO REMAIN	4,968
PROPOSED ON-SITE LANDSCAPING	3,310
TOTAL PROPOSED ON-SITE LANDSCAPING	8,278
PARKING AREA	29,290
TOTAL PARKING AREA	2,920
10% X 29,290 SF REQUIREMENT	2,920
EXISTING PARKING LANDSCAPING	3,134
EXISTING PARKING LANDSCAPING TO REMAIN	2,564
PROPOSED PARKING LANDSCAPING	1,020
TOTAL PROPOSED PARKING LANDSCAPING	3,604
PARKING SPACES	68 SPACES
TOTAL PARKING SPACES	68 SPACES
MINIMUM 1 TREE FOR EVERY 10 SPACES	7 TREES
EXISTING PARKING TREES	15 TREES
EXISTING PARKING TREES TO REMAIN	11 TREES
PROPOSED PARKING TREES	0 TREES
TOTAL PROPOSED PARKING TREES	11 TREES

\*ALL TOTALS SHOWN IN SQUARE FEET UNLESS NOTED

### SITE TABULATION

TOTAL SITE AREA	1,210 AC
DISTURBED AREA	0.575 AC
TOTAL EXISTING IMPERVIOUS AREA WITHIN LOD	0.536 AC
IMPERVIOUS AREA TO BE TREATED WITHIN LOD	0.447 AC
IMPERVIOUS AREA TO BE TREATED OUTSIDE LOD	0.039 AC
TOTAL IMPERVIOUS AREA TO BE TREATED	0.486 AC

### SITE DATA

TAX MAP	34	GRID	23	PARCEL	90	DEED	5232428	TAX ID NO.	08-021325
PARCEL AREA	1,210 AC±								
ZONING	MIXED-USE MEDIUM INTENSITY								
LAND USE	EXISTING	COMMERCIAL							
BUILDING DATA	AREA SF±	4,800 SF							
FLOOR AREA RATIO	HEIGHT FT±	19'							
UTILITIES	EXISTING SF±	3,760							
	PROPOSED SF±	4,800							
	TOTAL SF±	4,800							
	F.A.R.	0.091*							
	WATER	10:1: EX. PUBLIC WATER SYSTEM							
	SEWER	S-1: EX. PUBLIC SEWER SYSTEM							

### PARKING & LOADING REQUIREMENTS

DESCRIPTION OF APPROVED USES	GROSS SF	PARKING MULTIPLIER	PARKING		LOADING	
			REQUIRED	PROPOSED	REQUIRED	PROPOSED
RESTAURANT, FAST FOOD	4,800	131/000 SF +5 STACKING	63 +5 STACKING	68 +10 STACKING	1	1
TOTAL	4,800		63 +5 STACKING	68 +10 STACKING	1	1

### SCHEDULE 70.5 SUMMARY ON DEVELOPMENT IMPACT

PANERA BREAD	BEFORE CONSTRUCTION	YEAR 1	AT BUILDOUT
PLANNED START OF CONSTRUCTION	0	0	0
PLANNED END OF CONSTRUCTION	0	0	0
TRAVELING UNITS	0	0	0
NON-RESIDENTIAL DEVELOPMENT	3,780	4,800	4,800
TOTAL TRIP GENERATION FROM RESIDENCES	0	0	0
TOTAL TRIP GENERATION FROM NON-RESIDENTIAL DEVELOPMENT	6,791	6,868	6,868
SCHOOL POPULATION	0	0	0
ELEMENTARY - 0.215 PER SF.	0	0	0
MIDDLE - 0.107 PER SF.	0	0	0
HIGH - 0.154 PER SF.	0	0	0
AVERAGE DAILY WATER USAGE (BANK 3.780 GS AT 0.04 GPD/GSF) (RESTAURANT 147 SEATS AT 13 GPD/SEAT)	151	1,911	1,911
AVERAGE DAILY WATER USAGE (BANK 3.780 GS AT 0.04 GPD/GSF) (RESTAURANT 147 SEATS AT 13 GPD/SEAT)	151	1,911	1,911
PERCENT IMPERVIOUS SURFACE OVER DEVELOPMENT ENVELOPE WITHIN LOD	94.51%	83.60%	83.60%
PERCENT OF FOREST CONSERVATION OVER DEVELOPMENT ENVELOPE WITHIN LOD	0	0	0

COVER SHEET

CONCEPT SITE PLAN

PANERA BREAD

TAX MAP: 34, PARCEL: 90

LUGM # 20-XXX-XXX

SHEET 1 OF 5

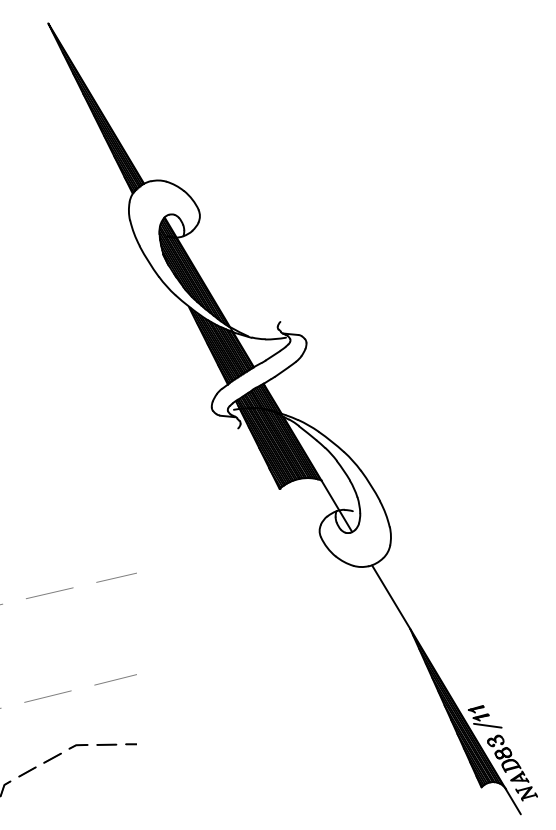
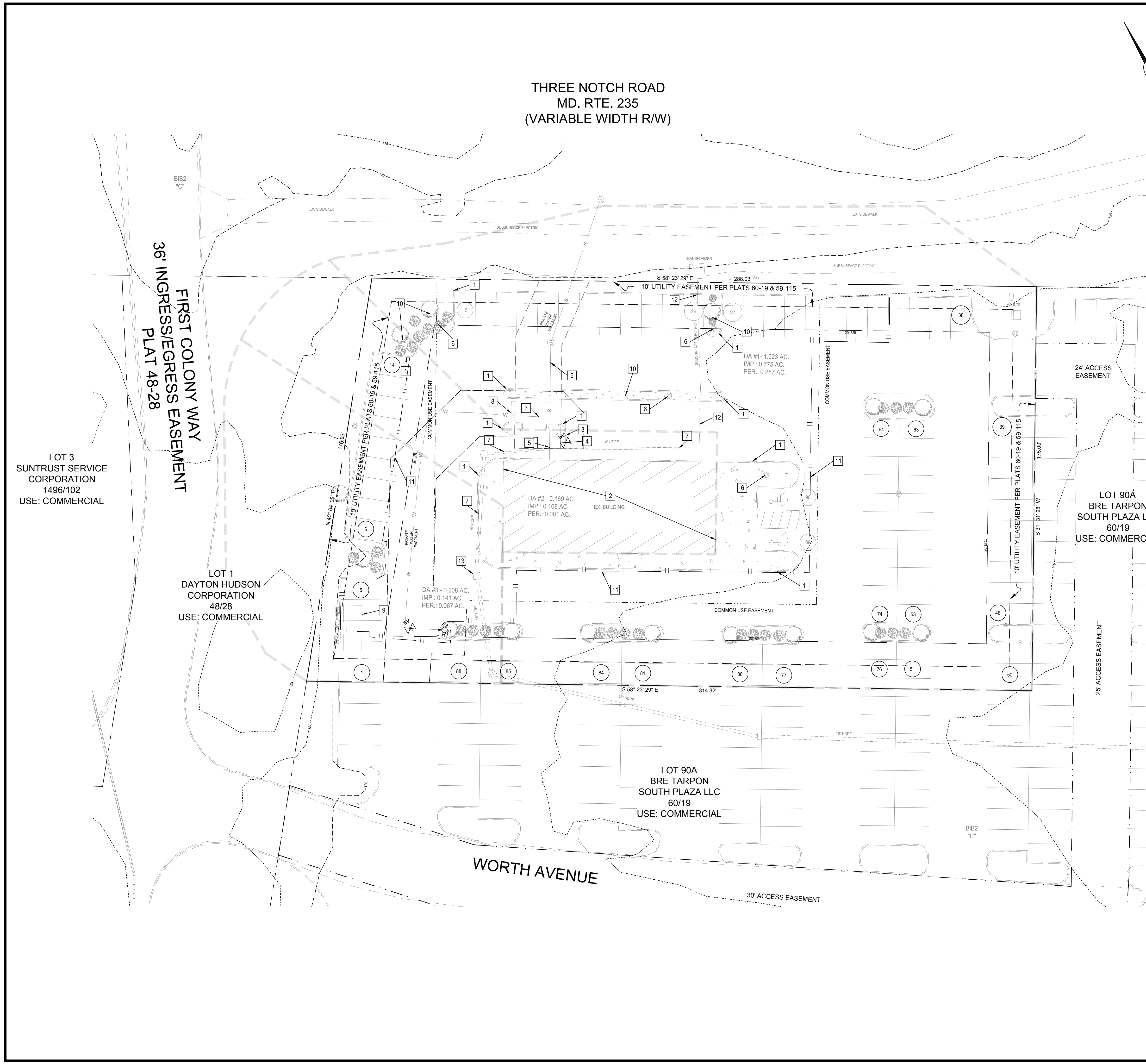
JOB #: 20836

BARRETT & ASSOCIATES ENGINEERS • SURVEYORS • LAND PLANNERS

100 JUBSAIL DR., SUITE 103  
PRINCE FREDERICK, MD 20678  
410-357-2255 301-855-5554 FAX: 410-257-3782

DLR 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. 37967. Expiration Date: 12/16/21

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_  
DATE: MAR. 2020 DESIGNER: AFS FILE #: 3M0103



**CONSTRUCTION KEYED NOTES**

- 1 EXISTING CURB TO BE REMOVED
- 2 EXISTING BUILDING TO BE REMOVED
- 3 EXISTING WATERLINE TO BE REMOVED
- 4 EXISTING WATER VALVE TO BE RELOCATED
- 5 EXISTING SEWER LINE TO BE REMOVED
- 6 EXISTING LIGHT POLE TO BE REMOVED
- 7 EXISTING STORM DRAIN TO BE REMOVED
- 8 EXISTING CANOPY TO BE REMOVED
- 9 EXISTING CONTAINER TO BE REMOVED
- 10 EXISTING LANDSCAPING TO BE REMOVED
- 11 EXISTING PAVEMENT TO BE SAWCUT AND REMOVED
- 12 EXISTING UNDERGROUND ELECTRIC TO BE REMOVED
- 13 EXISTING INLET TO BE REMOVED AND REPLACED WITH MANHOLE.

LUGM # 20-XXX-XXX

1" = 20'

SHEET 2 OF 5

JOB # 20836

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**EXISTING CONDITION & DEMOLITION PLAN**

**CONCEPT SITE PLAN**

**PANERA BREAD**

TAX MAP: 34, PARCEL: 90  
8TH ELECTION DISTRICT, ST. MARYS COUNTY, MARYLAND  
LOCATED OFF OF THREE NOTCH ROAD IN CALIFORNIA, MD.

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**BARRETT & ASSOCIATES**  
ENGINEERS · SURVEYORS · LAND PLANNERS

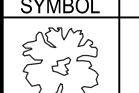

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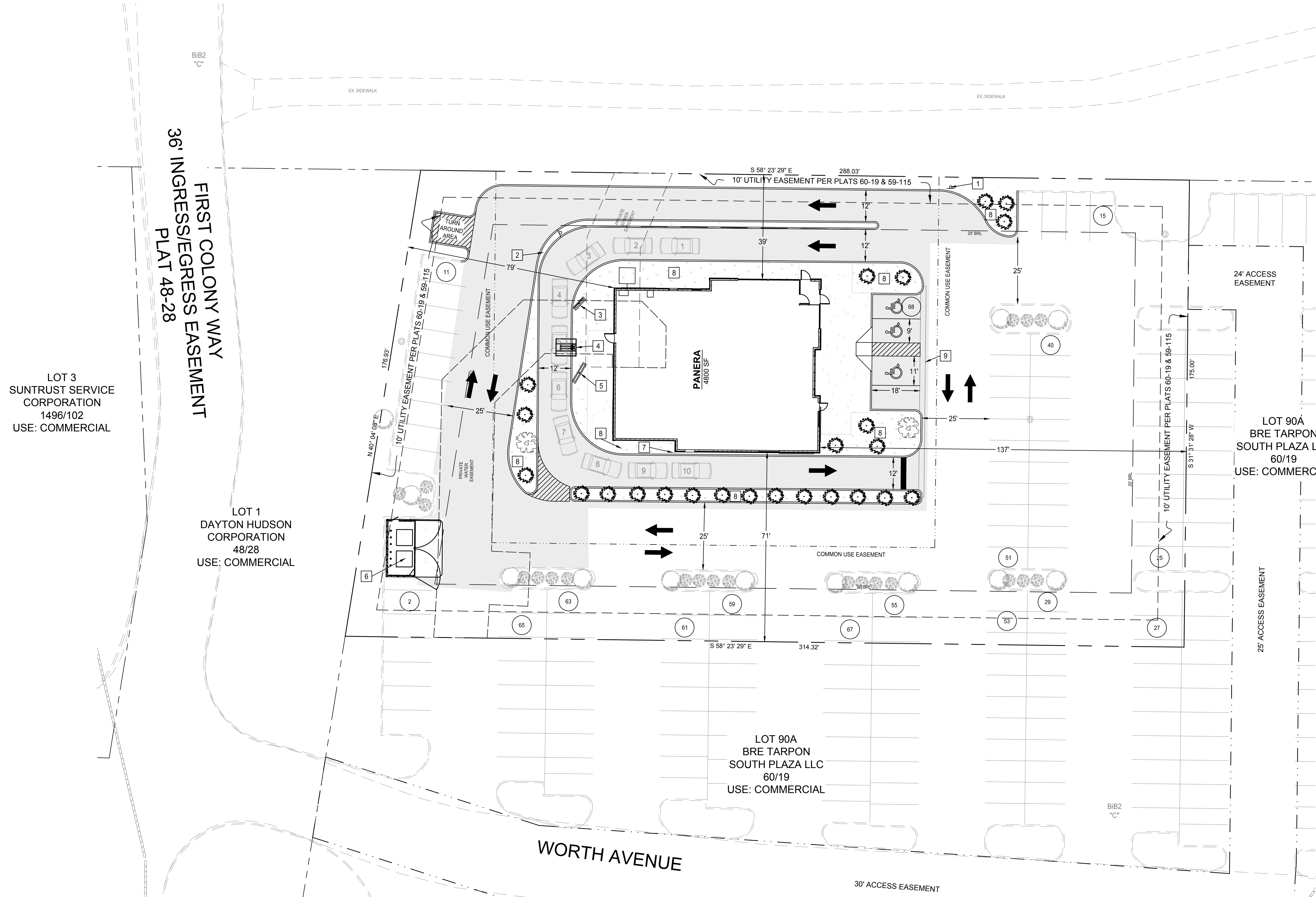
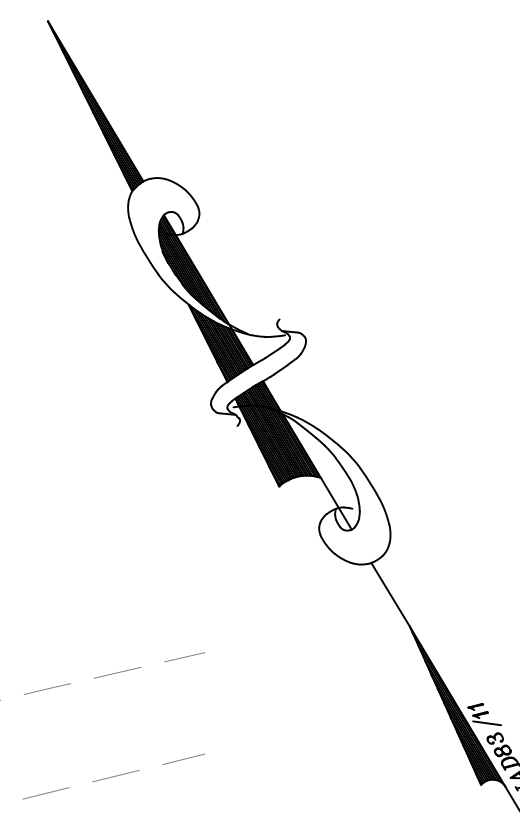
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DATE	REVISION	DESIGNER: AFS	FILE #: 2001063
DATE: MAR. 2020	REVISION	DESIGNER: AFS	FILE #: 2001063

PLANTING SCHEDULE					
SYMBOL	SPECIES	FORM	QUANTITY	SIZE	ROOT PREP
	EASTERN REDBUD CERCIS CANADENSIS	TREE	2	1.5-2" CAL./6 FEET	B&B
	INKBERRY GALLBERRY ILEX GLABRA	SHRUB	24	1 GALLON	B&B

THREE NOTCH ROAD  
MD. RTE. 235  
(VARIABLE WIDTH R/W)



CONSTRUCTION KEYED NOTES

- 1 MD MUTCD STD. R6-2L
- 2 MD MUTCD STD. R5-1
- 3 PREVIEW MENU SIGN
- 4 MENU CANOPY
- 5 MENU SIGN
- 6 DUMPSTER ENCLOSURE
- 7 4" BOLLARD
- 8 LANDSCAPING
- 9 CONCRETE VALLEY GUTTER

LUGM # 20-XXX-XXX

SHEET 3 OF 5

JOB #: 20836

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SITE PLAN

CONCEPT SITE PLAN

**PANERA BREAD**

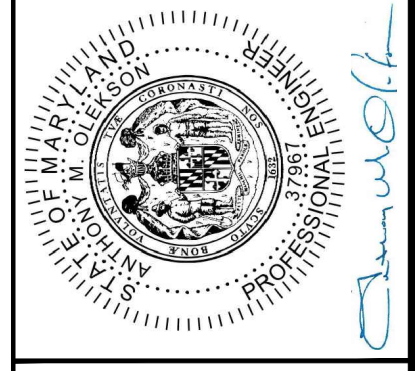
TAX MAP: 34, PARCEL: 90  
8TH ELECTION DISTRICT ST. MARYS COUNTY, MARYLAND  
LOCATED OFF OF THREE NOTCH ROAD IN CALIFORNIA, MD.

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**BARRETT & ASSOCIATES**  
ENGINEERS · SURVEYORS · LAND PLANNERS

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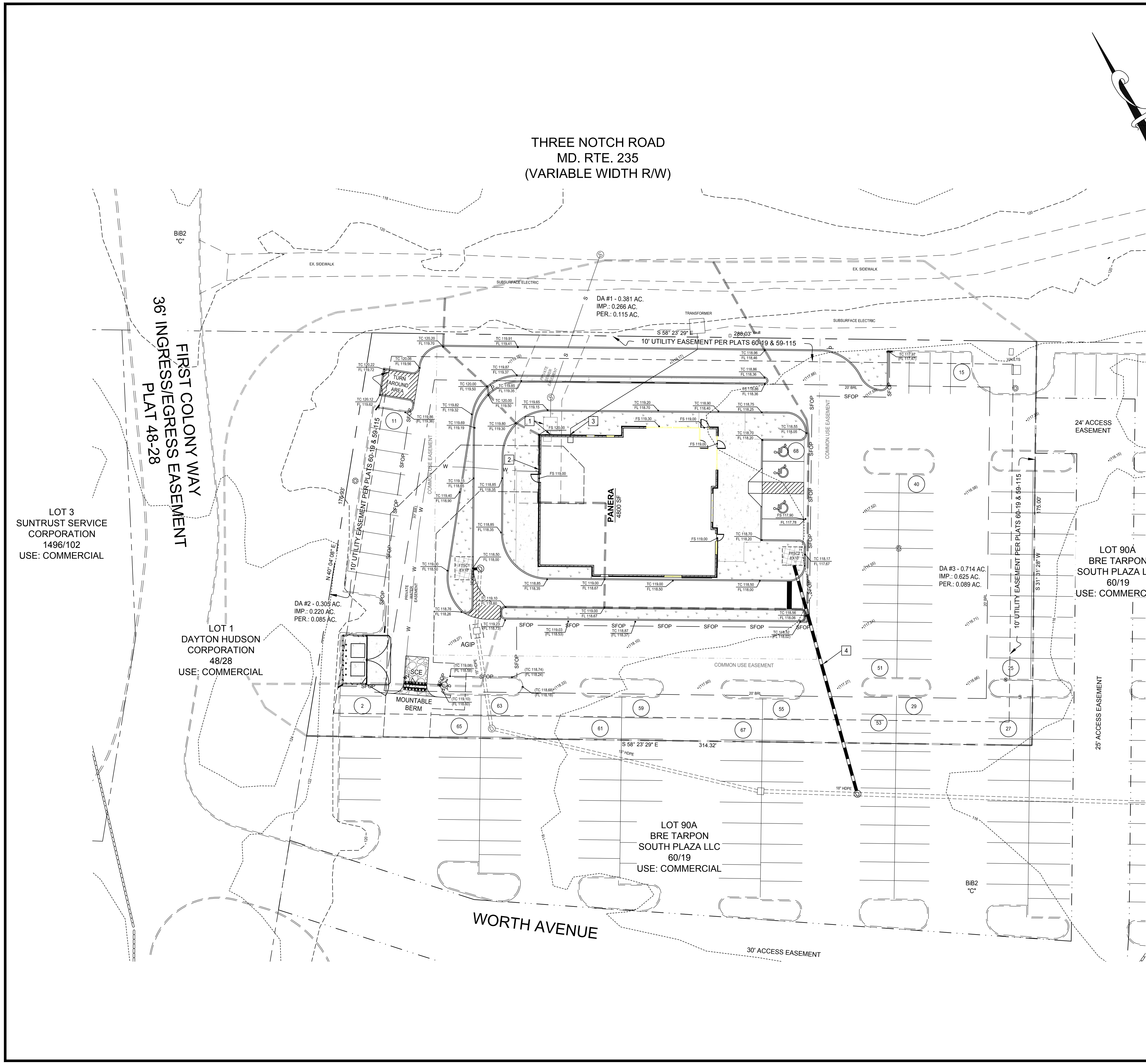
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DATE	REVISION	DESIGNER	FILE #
DATE: MAR. 2020	REVISION	DESIGNER: AFS	FILE #: 3M0163



**CONSTRUCTION KEYED NOTES**

- 1 GREASE TRAP AND SANITARY LINE WILL BE INSTALLED WITHIN 5 FEET OF THE BUILDING IN THIS LOCATION
- 2 WATER WILL BE BROUGHT TO WITHIN 5 FEET OF THE BUILDING IN THIS LOCATION
- 3 ELECTRICAL CONDUITS WITH PULL STRINGS WILL BE BROUGHT TO WITHIN 5 FEET OF THE BUILDING IN THIS LOCATION
- 4 TRENCH CREATED FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH WORKING DAY. EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH OR HOLE. NO TRENCH OR HOLE SHALL BE OPENED MORE THAN CAN BE STABILIZED THE SAME DAY. IF AN AREA MUST BE LEFT UNSTABILIZED OVERNIGHT, SILT FENCE WILL BE PLACED IMMEDIATELY DOWNHILL OF ALL DISTURBED AREAS AND STOCKPILES, AND APPROPRIATE SAFETY MEASURES WILL BE INSTALLED AS REQUIRED.

**CONSULTANTS CERTIFICATION**  
 "I certify that this Concept Erosion and Sediment Control and Stormwater Management Plan represents all significant natural resources based on my personal knowledge of the site, and that this plan was prepared in accordance with the requirements of the review agencies. I have reviewed this Concept Plan with the owner/developer".

Signature: *Anthony M. Oleckson* MD License # 37967  
 Print Name: Anthony M. Oleckson Date: 03/31/2020

LUGM # 20-XXX-XXX

1" = 20'

SHEET 4 OF 5

JOB # 20836

**CONCEPT SITE PLAN**

**PANERA BREAD**

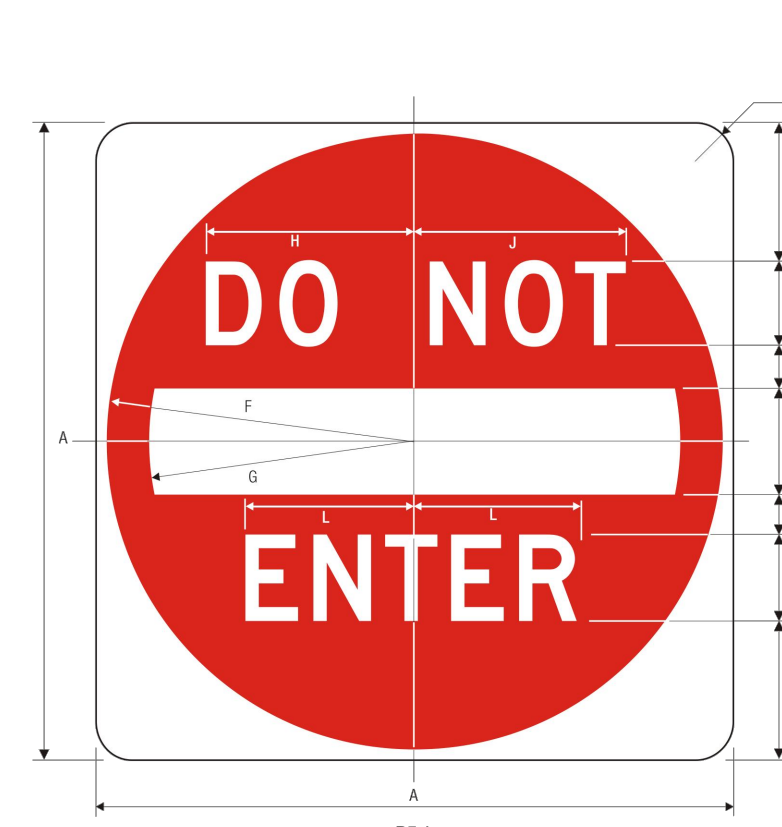
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DATE	REVISION	DESIGNER	FILE #



A	B	C	D	E	F	G	H	J	K	L
30	65	4.0	2	5	14.5	12.5	8.75	10	18.75	7.875
38	75	5.0	2.5	6	15	13	12	12.375	2.25	38.125
48	11	6.0	3	8	25.5	20	14.5	15	3	11.75

COLORS: SYMBOL — RED (RETROREFLECTIVE)  
 LEGEND & BACKGROUND — WHITE (RETROREFLECTIVE)  
 REFERENCES: MANDATED SECTION — 98.10, 28.34, 28.35, 28.54, 10C.12, 21.50



A	B	C	D	E	F	G	H	J	K	L	M
12	16	3.75	3.75	2	3.0	1.5	2	3.6	3.75	3.664	3.171
18	24	3.75	6.05	2.5	5.0	1.5	4.5	5.5	6.244	6.24	6.044
24	30	3.75	6.05	3	8.0	1.875	6.063	7.883	7.685	7.285	7.335
36	48	6.05	6.05	4.75	10.0	3.0	9.5	10.8	12.388	12.88	12
48	60	7.5	1.25	6	12.5	4	12	14	15	14.271	14.811

COLORS: LEGEND — BLACK  
 BACKGROUND — WHITE (RETROREFLECTIVE)  
 REFERENCES: MANDATED SECTION — 28.34, 28.37, 28.54

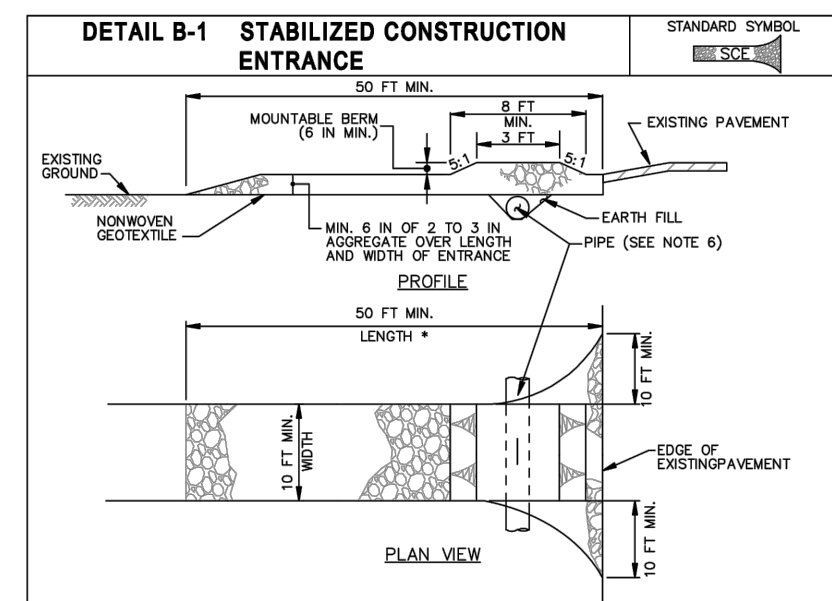
\* RIGHT FACING R6-2R DETAIL SHOWN, LEFT FACING R6-2L IS PROPOSED

CONTECH ENGINEERED SOLUTIONS		WQv-Based Sizing per MDE ESD Approval
Project Name:	California Panera	Date: 3/27/20
Site Designation:	DA #2	Design Engineer: AFS
County or Independent City:	St. Mary's	State: MD
Site Characteristic Input		
Target Rainfall Event, P (inches)	1.00	1% 10
Total Drainage Area	0.000	AC
Impervious Area	0.000	AC
Rim to Invert Out Depth (ft)	1.830	OK
Percent of WQv to be Stored in Filtrera	100%	
Volume Computations		
% Impervious, I	20%	
Volume Runoff Coefficient, P <sub>r</sub>	0.68	
Water Quality Volume, WQv (ac-ft)	0.022	
Water Quality Volume, WQv (cf)	938	
Filtrera Sizing (Per MDE ESD Approval Letter)		
Minimum Filtrera Planted Surface Area (sf)	91,20,000 of the Drainage Area	76
Minimum WQv Required Storage (cf)	25% of the WQv	235
Recommended Filtrera Size	FTSC Configuration: 8 x 9.3 (8' x 10')	100%
Filtrera Planted Surface Area Provided (sf)		76
WQv Storage Provided (cf)		59
		25%

\*SITE CHARACTERISTICS INCLUDES OFFSITE PERVIOUS AND IMPERVIOUS AREA DRAINING TO FACILITY.

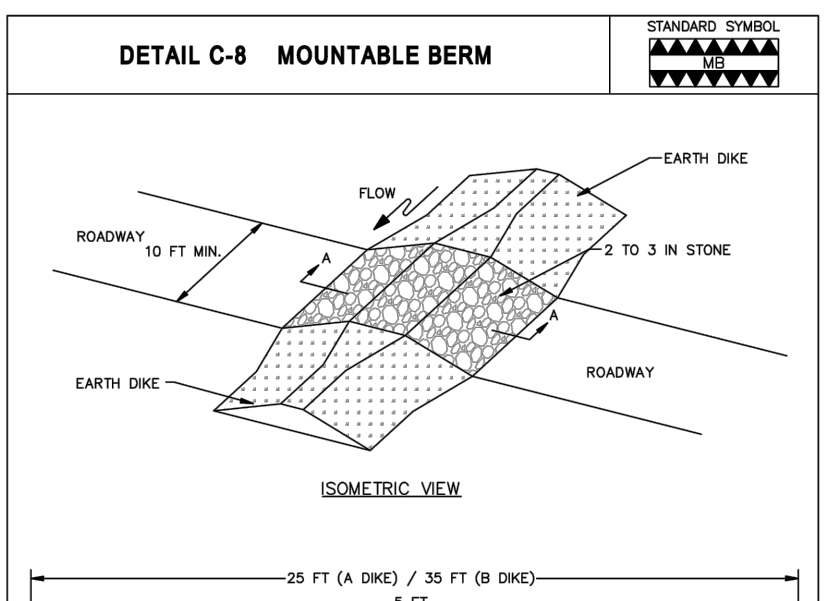
CONTECH ENGINEERED SOLUTIONS		WQv-Based Sizing per MDE ESD Approval
Project Name:	California Panera	Date: 3/27/20
Site Designation:	DA #2	Design Engineer: AFS
County or Independent City:	St. Mary's	State: MD
Site Characteristic Input		
Target Rainfall Event, P (inches)	1.00	1% 10
Total Drainage Area	0.000	AC
Impervious Area	0.000	AC
Rim to Invert Out Depth (ft)	1.830	OK
Percent of WQv to be Stored in Filtrera	100%	
Volume Computations		
% Impervious, I	22%	
Volume Runoff Coefficient, P <sub>r</sub>	0.70	
Water Quality Volume, WQv (ac-ft)	0.028	
Water Quality Volume, WQv (cf)	278	
Filtrera Sizing (Per MDE ESD Approval Letter)		
Minimum Filtrera Planted Surface Area (sf)	91,20,000 of the Drainage Area	60
Minimum WQv Required Storage (cf)	25% of the WQv	134
Recommended Filtrera Size	FTSC Configuration: 8 x 9.3 (8' x 10')	126%
Filtrera Planted Surface Area Provided (sf)		76
WQv Storage Provided (cf)		59
		30%

\*SITE CHARACTERISTICS INCLUDES OFFSITE PERVIOUS AND IMPERVIOUS AREA DRAINING TO FACILITY.



CONSTRUCTION SPECIFICATIONS:  
 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SEE. USE MINIMUM LENGTH OF 50 FEET (100 FEET FOR DRIVE RESURFACING). USE MINIMUM WIDTH OF 10 FEET. FILL SIZE TO FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.  
 2. PLACE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SEE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SEE WITH A MOUNTABLE BERM WITH 0.1 SLOPE AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SEE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY TO A LOW SPOT, A MOUNTABLE BERM IS REQUIRED WHEN THE SEE IS NOT LOCATED AT A HIGH SPOT.  
 3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.  
 4. 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 SEE.

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

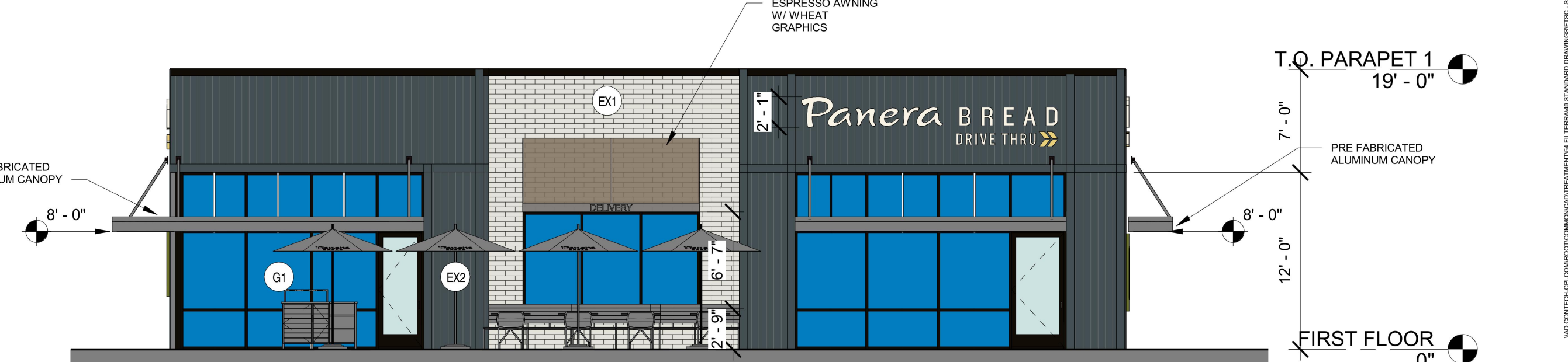


CONSTRUCTION SPECIFICATIONS:  
 1. USE NOMINAL WIDTH OF 10 FEET TO ALLOW FOR VEHICULAR PASSAGE.  
 2. PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE EARTH MOUND PRIOR TO PLACING STONE.  
 3. PLACE 2 TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE MOUNTABLE BERM.  
 4. MAINTAIN LINE, GRADE, AND CROSS SECTION. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN SPECIFIED DIMENSIONS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.

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



NORTH ELEVATION  
1/8" = 1.0"



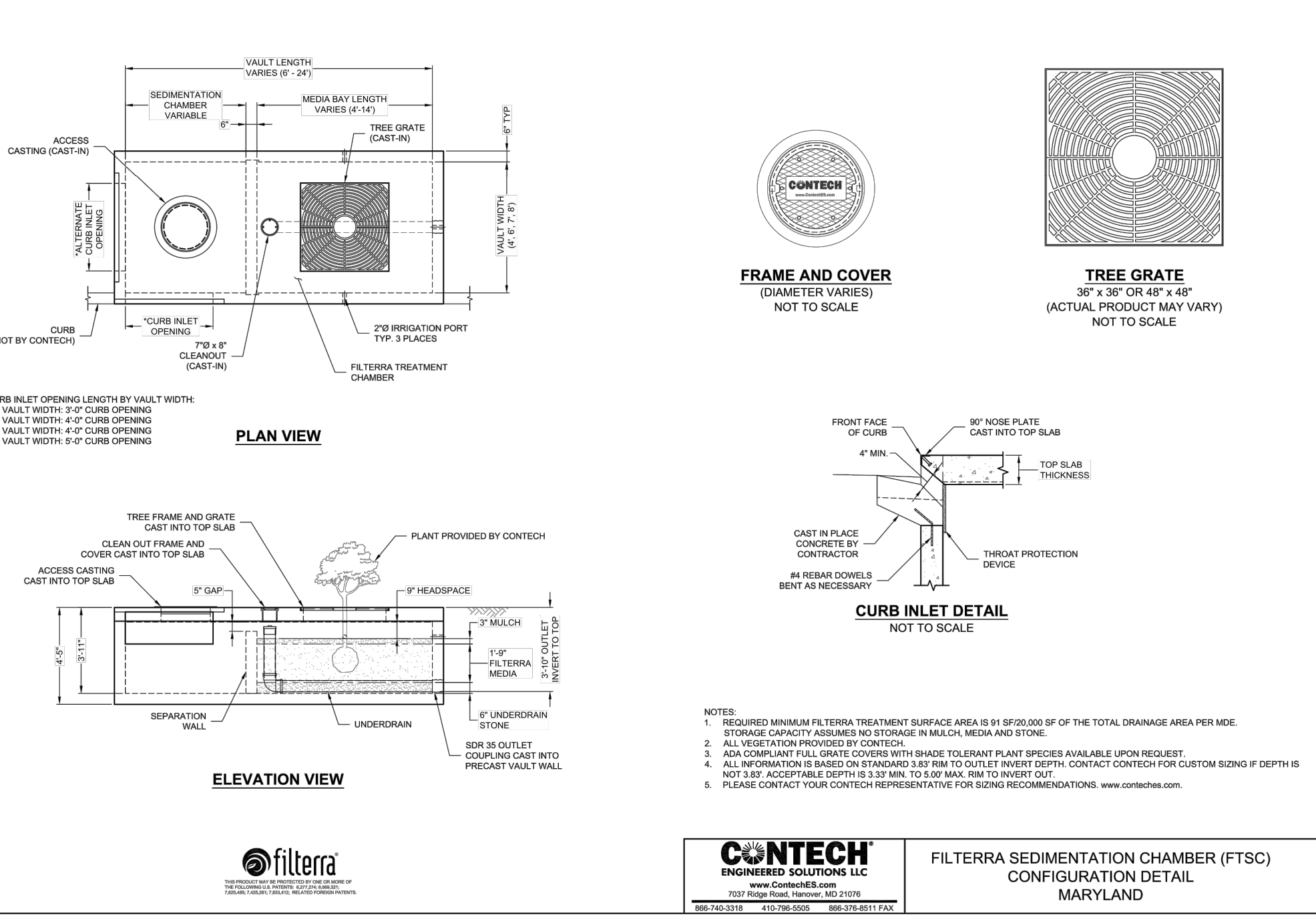
SOUTH ELEVATION  
1/8" = 1.0"



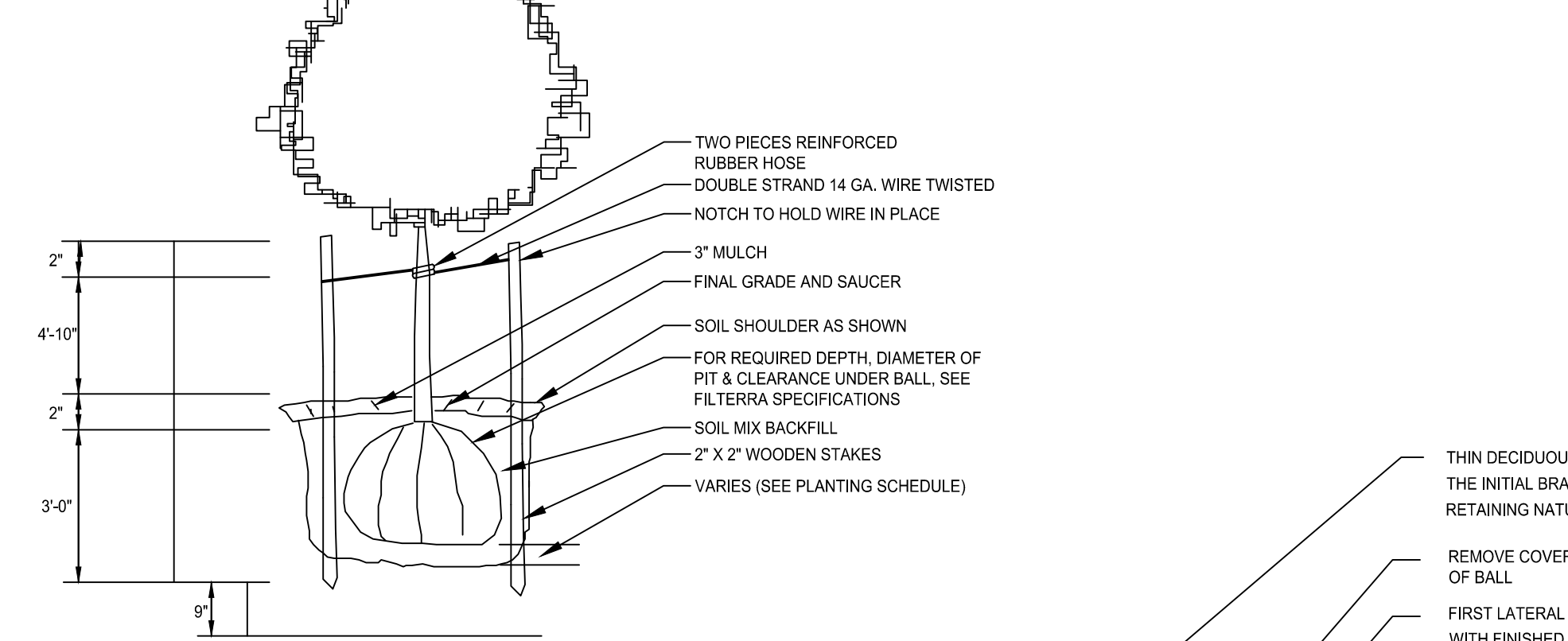
EAST ELEVATION  
1/8" = 1.0"



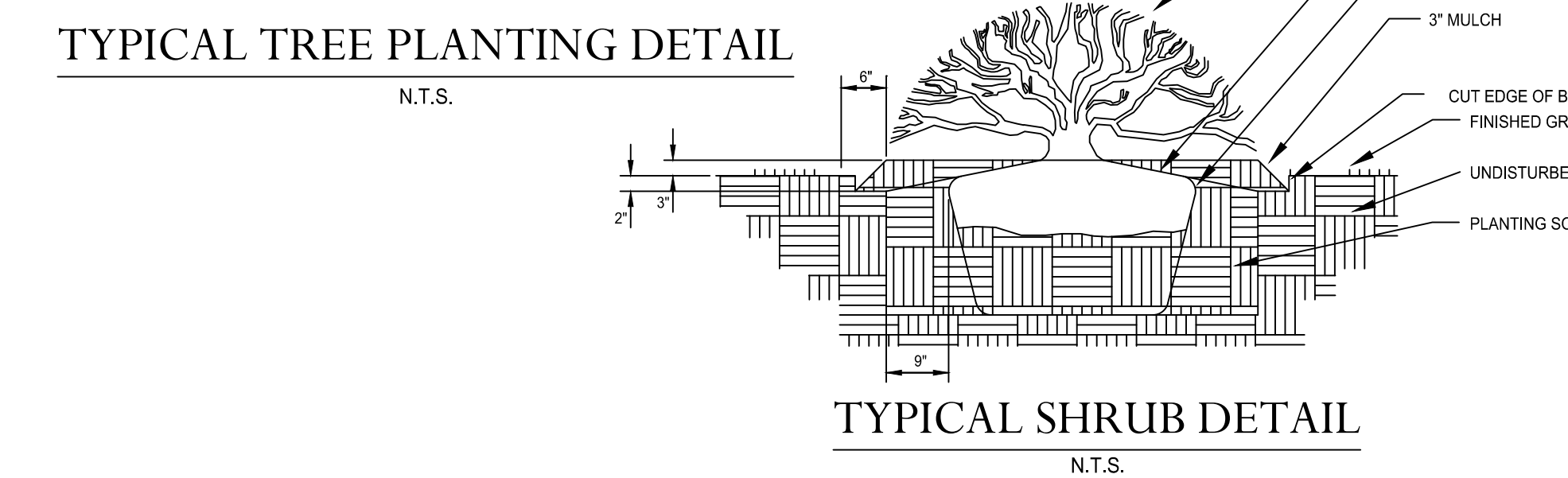
WEST ELEVATION  
1/8" = 1.0"



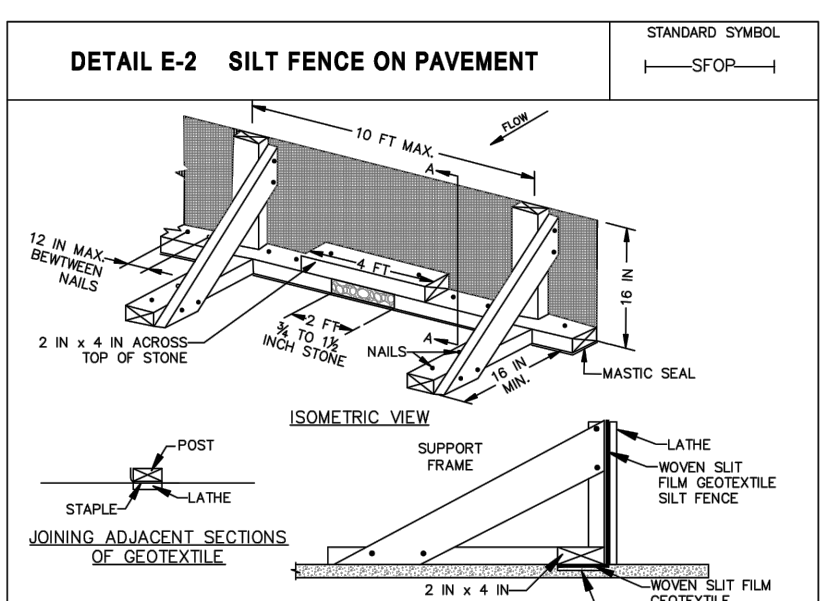
FILTRERA SEDIMENTATION CHAMBER (FTSC) CONFIGURATION DETAIL MARYLAND



TYPICAL TREE PLANTING DETAIL  
N.T.S.

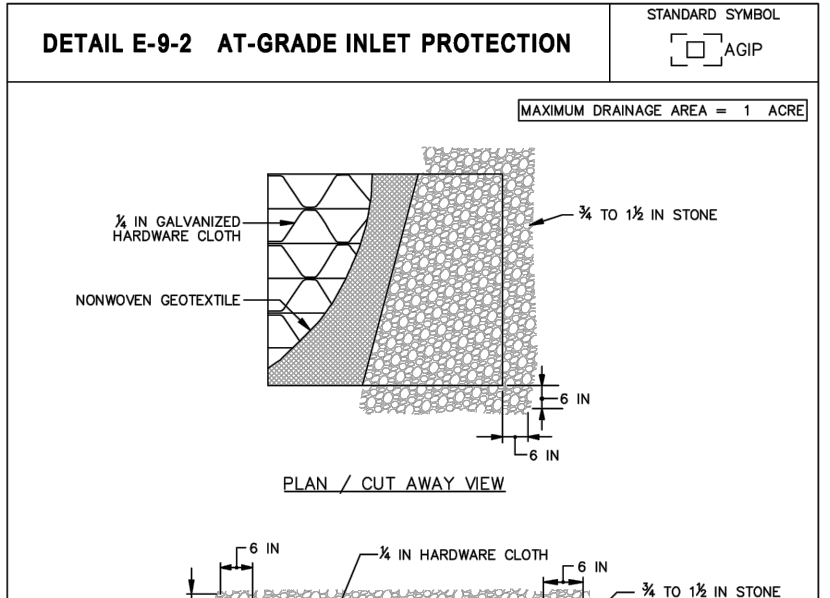


TYPICAL SHRUB DETAIL  
N.T.S.



CONSTRUCTION SPECIFICATIONS:  
 1. USE NOMINAL 2 INCH X 4 INCH LUMBER.  
 2. USE NOMINAL SILT FILM GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.  
 3. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/EMPLOYMENT AGENCY SHOWING THAT THE GEOTEXTILE USE MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.  
 4. SPACE UPRIGHT SUPPORTS NO MORE THAN 10 FEET APART.  
 5. PROVIDE A TWO FOOT OPENING BETWEEN EVERY SET OF SUPPORTS AND PLACE STONE IN THE OPENING OVER THE GEOTEXTILE UNDER 2/4".  
 6. KEEP SILT FENCE HAFT AND SECURELY STAPLE TO THE UPSLOPE SIDE OF UPRIGHT SUPPORTS. EXTEND GEOTEXTILE UNDER 2/4".  
 7. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, FOLD, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL. ATTACH LATHE.  
 8. PROVIDE A MASTIC SEAL BETWEEN PAVEMENT, GEOTEXTILE, AND 2/4" TO PREVENT SEDIMENT-LADEN WATER FROM ESCAPING BENEATH SILT FENCE INSTALLATION.  
 9. SECURE BOARDS TO PAVEMENT WITH 400 5 INCH MINIMUM LENGTH NAILS.  
 10. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WITH BLADES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 1/3 OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. MAINTAIN WATER TIGHT SEAL ALONG BOTTOM. REPLACE STONE IF DISPLACED.

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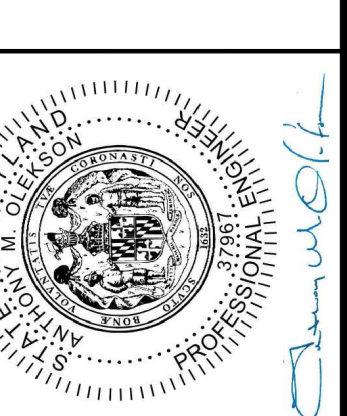
CONSTRUCTION SPECIFICATIONS:  
 1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.  
 2. LEFT GRADE AND HIGH WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.  
 3. PLACE CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.  
 4. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT BY EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOSING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOSED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

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LUGM # 20-XXX-XXX

CONCEPT SITE PLAN  
**PANERA BREAD**  
 TAX MAP: 34, PARCEL: 90  
 8TH ELECTION DISTRICT ST. MARYS COUNTY, MARYLAND  
 LOCATED OFF OF THREE NOTCH ROAD IN CALIFORNIA, MD.

NOTES & DETAILS  
 SHEET 5 OF 5  
 JOB #: 20836



DLR 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. 37967, Expiration Date: 12/16/21

DATE:	DESIGNER: AFS
DATE: MAR. 2020	REVISION:
	FILE #: 3001063