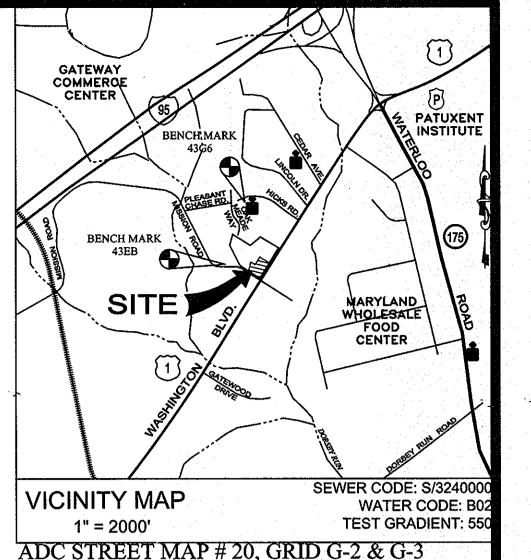
#### SITE DATA FOR MISSION PLACE DEVELOPMENT . LOCATION: TAX MAP 43, GRID 14, PARCELS A, B & C. 2. 6TH ELECTION DISTRICT 3. ZONING: CAC-CLI 4. WATERSHED: DORSEY RUN, STREAM USE 1. 5. NUMBER OF DWELLING UNITS PROPOSED BY SDP-07-104 ON PARCELS A&C: 366 NUMBER OF DWELLING UNITS PROPOSED BY SDP-07-113 ON PARCEL B: 0 6. DENSITY CALCULATION FOR OVERALL PROJECT: GROSS AREA OF PROJECT: 16.6255 Ac 100 YEAR FLOOD PLAIN: 0.1349 Ac NET TRACT AREA: 16.4906 Ac ALLOWED DENSITY = (16.4906 x 25) = 412 DU PROPOSED DENSITY = (22.1945 DU / NET Ac = 366 DU. THE DENSITY CALCULATION INCLUDES THE LAND AREA OF PARCELS A,B & C. NO RESIDENTIAL DEVELOPMENT WILL OCCUR ON PARCEL B. 3. AREA OF PROPOSED HOWARD COUNTY PUBLIC ROAD DEDICATION: 0.2589 Ac. 9. AREA OF PROPOSED MSHA PUBLIC ROAD DEDICATION: 0.6664 Ac. 10. AREA OF PROPOSED RESIDENTIAL CONDO PARCEL 'A': 7.1571 Ac. 11. AREA OF PROPOSED RESIDENTIAL APARTMENT PARCEL 'C': 6.5829 Ac. 12. AREA OF PROPOSED OFFICE/RETAIL USE ON PARCEL 'C': 25,035 SQ FT 13. AREA OF PROPOSED OFFICE/RETAIL PARCEL 'B': 1.9602 Ac. 14. AREA OF PROPOSED OFFICE/RETAIL USE ON PARCEL 'B': 64,000 SQ FT 15. NO MINIMUM OPEN SPACE OR RECREATION OPEN SPACE REQUIRED IN CAC-CLI ZONE PER ZONING ORDINANCE. THE RTE 1 MANUAL REQUIRES 10% OF THE NET SITE AREA BE PROVIDED AS PEDESTRIAN AMENITY AREAS 16. ALL COMMUNITY OPEN SPACES WILL BE ACCESSIBLE TO ALL RESIDENTS OF THE COMMUNITY, SITE AMENITY AREAS ARE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE ADA STANDARDS. 17. SEE CALCULATION BELOW FOR LISTING OF PROJECT-WIDE SITE AMENITIES.

# SITE DEVELOPMENT PLAN MISSION PLACE- PARCEL B 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

# **BENCH MARKS**

CONTROL STATION 43G6 **ELEVATION 220.11** N 544,117.545 E 1,370,550.825 LOCATED NEAR THE **ENTRANCE TO TRAILER** PARK, 68.8' SOUTH FROM FIRE HYDRANT

> **CONTROL STATION 43EB ELEVATION 216.99** N 545,963.658 E 1,371,573.830 LOCATED 78' NORTH OF HICKS ROAD.



# SHEET INDEX

- 1. COVER SHEET
- 2 SITE DEVELOPMENT PLAN
- 3. SEDIMENT CONTROL PLAN & DETAILS
- 4-5. STORM DRAIN PROFILES & DETAILS / STORM WATER MANAGEMENT DETAILS
- 6. WATER AND SEWER LATERAL PROFILES
- AND SITE DETAILS. 7. LANDSCAPE DETAILS
- 8. DRAINAGE AREA & SOILS MAP/ PAVEMENT MARKING PLAN.

PARKING BREAKDOW	<u>N:</u>	
	SURFACE	GARAGE
STANDARD SPACES	15	192
COMPACT SPACES	12	59
HC PARKING	_0	7
TOTAL	27	259
TOTAL PARKING PRO	VIDED ON PARC	

SEE SHEET 7 FOR EXISTING ON-SITE VEGETATION DESCRIPTION

RIM - 232.00

. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVÉ BEEN APPROVED. WAIVER PETITION WP-06-096 REQUESTING MODIFICATION TO SUBDIVISION & LAND REGULATIONS SECTION 16.119(f)(1) TO ALLOW RIGHT-IN ACCESS FROM ROUTE 1; SECTION 16.116(a)(1) TO ALLOW GRADING, REMOVAL OF VEGETATIVE COVER AND TREES AND TO ALLOW PAVING WITHIN 25 FEET OF A WETLAND FOR THE PURPOSE OF THE PRIMARY SITE ENTRANCE FROM MISSION ROAD; AND SECTION 16.116(a) (2) (ii), TO ALLOW GRADING, REMOVAL OF VEGETATIVE COVER WITHIN 75 FEET OF A PERENNIAL STREAM FOR THE PURPOSE OF REMOVAL OF EXISTING WATER & SEWER MAINS, PAVING AND DEBRIS, TO REGRADE AND RESTORE OF THE EXISTING TREELINE, TO PROVIDE A DECELERATION LANE OF US ROUTE 1, AND TO ALLOW CONSTRUCTION OF AN 18' WIDE PRIVATE ROAD AND A RETAINING WALL, WAS APPROVED ON AUGUST 9, 2006, SUBJECT TO THE FOLLOWING CONDITIONS

1. FOLLOWING THE REMOVAL OF THE PUBLIC UTILITIES AND PAVEMENT FROM THE ENVIRONMENTAL BUFFERS LYING ALONG THE NORTHEASTERN EDGE OF THE SITE, THE APPLICANT SHALL REFOREST THE AREA BETWEEN THE PRIVATE ROAD/ RETAINING WALL AND THE EXISTING FOREST. THIS REFORESTATION SHALL BE DONE TO THE MAXIMUM EXTENT POSSIBLE. BUT SHALL NOT BE LESS THAN THE 0.17 ACRES IDENTIFIED ON THE APPLICANT'S EXHIBIT DATED 6/22/06

2. PER SCD COMMENTS DATED 4/20/06-

a. MOVE RETAINING WALL/FOOTER EDGE TO NO CLOSER THAN 10' FROM BUFFER EDGE b. SHOW STREAM FROM PLEASANT CHASE POND OUTFALL.

3. THE APPLICANT SHALL ACQUIRE AN ACCESS PERMIT FROM SHA FOR THE ACCESS FROM ROUTE 1

ADMINISTRATIVE ADJUSTMENT PETITION AA-06-016 REQUESTING MODIFICATION TO ZONING ORDINANCE SECTION 127.5-D.2.a, TO INCREASE MAXIMUM BUILDING HEIGHT FROM 55 FEET TO 60.65 FEET WAS APPROVED ON JUNE 16, 2006, SUBJECT TO THE FOLLOWING CONDITIONS:

- 2. THE GRANTED ADMINISTRATIVE ADJUSTMENT SHALL APPLY SOLELY TO THE PROPOSED APARTMENT COMPLEX AS DEPICTED ON THE ADMINISTRATION ADJUSTMENT PLAN SUBMITTED BY THE PETITIONER AND NOT TO ANY OTHER STRUCTURE.
- SUBSTANTIAL CONSTRUCTION SHALL BE COMPLETED WITHIN 3 YEARS. THE PETITIONER SHALL SUBMIT A COPY OF THIS
- DECISION AND ORDER WITH THE BUILDING PERMIT APPLICATION. 4 THIS DECISION AND ORDER SHALL BE MAINTAINED IN THE OWNER'S PROPERTY RECORDS AND SHALL BE TRANSFERRED TO
- THIS PLAN SHALL BE SUBJECT TO THE AMENDED FIFTH EDITION OF THE HOWARD COUNTY SUBDIVISION REGULATIONS AND
- AMENDED ZONING REGULATIONS PER COUNCIL BILL 75-2003; APRIL 13, 2004. THE EXISTING TOPOGRAPHY ON-SITE AND ADJACENT PUBLIC STREETS IS TAKEN FROM A FIELD RUN SURVEY WITH TWO FOOT
- CONTOUR INTERVALS PREPARED BY DEWBERRY & DAVIS, LLC, DATED JULY 7, 2004, TOPOGRAPHIC INFORMATION FOR ADJACENT PROPERTIES TAKEN FROM AVAILABLE RECORDS. PROJECT BOUNDARY IS BASED ON A BOUNDARY SURVEY BY DEWBERRY & DAVIS, LLC, AUGUST 20, 2004. THE COORDINATES
- SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 43EB AND 43G6 ARE THE CLOSEST TO THIS PROJECT AND WERE USED FOR THIS PROJECT. 5. PUBLIC WATER WILL BE PROVIDED FOR ALL PARCELS. CONTRACT # 24-4402-D; DORSEY RUN DRAINAGE AREA.
- 6. PUBLIC SEWER WILL BE PROVIDED FOR ALL PARCELS. CONTRACT #24-4402-D; DORSEY RUN DRAINAGE AREA.
- 7. EXISTING UTILITIES WERE PLOTTED FROM FIELD SURVEY AND AS-BUILT DRAWINGS.
- 8. STORMWATER MANAGEMENT WILL BE PROVIDED ON-SITE BY PRIVATE UNDERGROUND QUALITY CONTROL, AS SHOWN ON PLANS. CHANNEL PROTECTION VOLUMES AND GROUND WATER RECHARGE WERE PROVIDED ON PARCELS A & C AS PART OF SDP-07-104.
- 9. THERE ARE WETLANDS ON SITE AS SHOWN BASED ON FIELD STUDY DONE BY McCARTHY & ASSOCIATES, FEBRUARY 2006. MDE PERMIT 07- NT-3012, USACE PERMIT 200760333. PARCEL B IS PHASE II OF THIS DEVELOPMENT PROJECT. WETLANDS AND THEIR BUFFERS DO NOT OCCUR WITHIN THE BOUNDARIES OF PARCEL B.
- 10. THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE TRAFFIC GROUP, DATED FEBRUARY 2006. AN APFO STUDY BY THE TRAFFIC GROUP, DATED MAY 26, 2007, WAS APPROVED AS PART OF SP-06-18. SEE PHASING NOTES BELOW FOR ALLOCATION
- 11. NOISE STUDY FOR THIS PROJECT WAS PREPARED BY POLYSONICS, DATED FEBRUARY 9, 2006.
- 12. GEOTECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY ECS, LLC. DATED AUGUST 2004 & DECEMBER 2005.
- 13. FOREST STAND DELINEATION BY DEWBERRY & DAVIS LLC, MARCH 2006 SUBMITTED WITH SP-06-018. 14. STREET LIGHTING FOR MISSION ROAD, ROUTE 1, AND ALL ON-SITE LIGHTING FOR THE PRIVATE STREETS ON PARCELS A, B, & C WAS
- INCLUDED AS PART OF SDP-07-104. LIGHTING FOR THE PARKING ON PARCEL B IS SHOWN ON THIS PLAN. ALL PEDESTRIAN AND STREET LIGHTING SHOWN ALONG ROUTE 1, MISSION ROAD, AND ON-SITE USES THE US 1 CORRIDOR POST-TOP LIGHT FIXTURE ON A DIRECT BURY POST, WITH A MOUNTING HEIGHT OF 15 FEET. INSTALLATION SHALL BE COORDINATED WITH THE DIVISION OF TRANSPORTATION PLANNING TO AVOID CONFLICTS. STREET LIGHTS SHALL BE A MINIMUM OF 15 FEET FROM ANY TREE. NO
- SPOTLIGHTS WILL BE ADDED TO THE STRUCTURE. LIGHTING ON THE TOP DECK OF THE GARAGE IS SHOWN ON THE PLANS, AND WILL BE THE SAME POST MOUNTED FIXTURE AS THE REST OF THE SITE, ON 15' POLES MOUNTED TO THE DECK STRUCTURE. THRESHOLD LIGHTING AND INTERIOR LIGHTING FOR THE GARAGE WILL BE REVIEWED AS PART OF THE BUILDING PERMIT. 15. SEDIMENT & EROSION CONTROL WILL BE PROVIDED PER THIS PLAN.
- 16. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT FOR PUBLIC WATER & SEWER.
- 17. THERE ARE NO BURIAL OR CEMETERY LOCATIONS ON THIS SITE.
- 18. THE SITE IS LISTED IN THE HOWARD COUNTY HISTORIC SITES INVENTORY AS HO-827. PURSUANT TO PLAN REVIEW BY THE HISTORIC DISTRICT COMMISSION ON MAY 3, 2007, THE EXISTING LOG CABIN BUILDING ON THE SITE WILL BE DEMOLISHED.
- 19. ALL EXISTING BG&E POLES ON-SITE WERE REMOVED OR RELOCATED IN ACCORDANCE WITH SDP-07-101 AND PERMITS.
- 20. TRASH PICKUP FOR THE OFFICE BUILDING WILL BE PROVIDED AT TRASH ENCLOSURE INSIDE THE BUILDING. 21. VEHICULAR AND PEDESTRIAN STREETLIGHTS ARE PROVIDED THROUGHOUT THIS DEVELOPMENT IN ACCORDANCE WITH THE DESIGN MANUAL.
- 22. ALL CROSSWALKS SHOWN ON PLANS WILL BE PAINTED STRIPES. 23. ALL SITE AMENITIES, FURNITURE AND FIXTURES ARE SHOWN ON THE LANDSCAPE PLANS.
- 24. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- 25. 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.

#### OFFICE BLDG | 8100 MISSION HILL PLACE, JESSUP, MD 8102 MISSION HILL PLACE, JESSUP, MD PERMIT INFORMATION CHART LOT / PARCEL # PARCELS A. B. C MISSION PLACE PLAT # OR L.F. | BLOCK # | ZONE | TAX MAP | ELEC. DIST | CENSUS TR - CAC-CLI 43 SIXTH 6069.01 SEWER CODE 3240000 PROPOSED IMPROVEMENTS OFFICE BUILDING WITH GROUND FLOOR RETAIL

ADDRESS CHART

AVAILABLE RECORDS BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT EXCAVATION, IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE FORE PROCEEDING WITH CONSTRUCTION.

# PARCEL NO. | ADDRESS

### **COVER SHEET** MISSION PLACE PHASE II, PARCEL B, PLAT # 19854-19858 OFFICE BUILDING W&S CONTRACT: 24-4402-D 6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND OWNER / DEVELOPER: SSION ROAD INVESTORS, LLC

D	ewberr	<b>'y</b>	MIS c/o
	ARKWAY, SUITE 1 RG, MARYLAND 20877		260 OD
PHONE. 301.9	48.8300		PH
FAX. 301.258.	7607		FX:

PARCEL B

Designed by: THE DOLBEN COMPANY, INC. 00 MIDWAY BRANCH DR, 2nd FL Checked by: JMC ENTON, MD 21113 NTACT: MATTHEW BITAR : 301.912.3600 CAC-CL : 301.912.3400 NA

SITE TABULATION, PARCEL B: REQUIRED PARKING TABULATION: 56,000 SF Office @ 3.3/1,000: 185 spaces (max. 25% of required may be compact = 46 spaces) Total Space Required: 8.000 SF Retail @ 5.0/1,000: 40 spaces 56,000 SF Office @ 4.2/1,000: 235 spaces (71 compact: 46 base plus 25 from additional parking) 285 spaces (Includes 7 HC in deck) A MAXIMUM OF 10 BUSINESS VEHICLES WILL BE ALLOWED TO BE PARKED ON-SITE, IN ADDITION TO 225 MINIMUM REQUIRED SPACES. THE PROPOSED OVERALL COMMERCIAL+OFFICE / RESIDENTIAL RATIO IS 243 SQ FT PER DU. INCLUDING 64,000 SQ FT ON PARCEL B AND 25,035 SQ FT ON PARCEL C. \*\* SEE ALTERNATIVE COMPLIANCE NOTES BELOW REGARDING REDUCTION FROM 300 SQ.FT. / DU.

6. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.

8. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED. 9. THERE IS NO 100 YEAR FLOODPLAIN ON PARCEL B

BUFFERS, FOREST CONSERVATION EASEMENT AREAS, AND 100 YEAR FLOODPLAIN, EXCEPT AS SHOWN AND APPROVED PER WP-06-096.

THE SUBJECT PROPERTY IS ZONED CAC-CLI PER PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND THE "COMP LITE" ZONING. AMENDMENTS EFFECTIVE 7/28/06. 2. IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN

WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT 3. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE

- 12' (16' SERVING MORE THAN ONE RESIDENCE) SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH 1-1/2" MIN. ASPHALT

GEOMETRY- MAX 14% GRADE, MAX 10% GRADE CHANGE, AND MIN 45' TURNING RADIUS STRUCTURES - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)

ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:

DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE MAINTENANCE - SUFFICIENT TO INSURE ALL-WEATHER USE

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE & THE LANDSCAPE MANUAL 5. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$5.100.00 FOR 17 SHADE TREES @ \$300/TREE, 0 EVERGREEN TREES @ \$150/TREE, AND \$4,260,00 FOR 142 SHRUBS @ \$30/SHRUB. TOTAL IS \$9,360.00

6. THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION AS PART OF F-07-156 BY PROVIDING 0.45 AC ON-SITE REFORESTATION, 0.15 ACRES OF ON-SITE RETENTION AND 4.69 AC OFF-SITE REFORESTATION. FOREST CONSERVATION SURETY WAS POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$9,801.00 (19,602 SQUARE FEET AT \$0.50 / SQUARE FOOT) FOR THE ON-SITE REFORESTATION AND \$1,306.80 (6,534 SQUARE FEET AT \$0.20 / SQUARE FOOT) FOR ON-SITE RETENTION. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF CONSERVATION

EASEMENTS ARE ALLOWED. THIS SITE REQUIRES 5.14 ACRES OF REFORESTATION, PROVIDED BY THE OFF-SITE AREA IS CONTAINED ON A PLAT ENTITLED

"TALLEY PROPERTY, PARCEL 2" (2.22 AC), AND ON A PLAT ENTITLED "E. ALEXANDER ADAMS AND MARIAN HARLESS PROPERTY, LOT 2" (2.47 AC). ON-SITE RETENTION OF 0.15 ACRES PLUS 0.10 ACRES OF FORESTED FLOODPLAIN IS INCLUDED IN THE 0.70 ACRE FOREST CONSERVATION EASEMENT. LIGHT TRESPASS ALONG THE BOUNDARY OF THIS SITE ADJACENT TO RESIDENTIAL AREAS ZONED R-SC IS LIMITED TO 0.1 FOOTCANDLES AS MEASURED 3 FEET, ABOVE THE GROUND AT THE PROPERTY LINE, LIGHTS SHALL BE SHIELDED IN ACCORDANCE WITH HOWARD COUNTY ZONING SECTION 134. 38. ALL BUILDINGS WILL HAVE AUTOMATIC FIRE PROTECTION SPRINKLER SYSTEMS EXCEPT THE PARKING DECK IN THE APARTMENT BUILDING. A KNOX BOX

INTEGRATED INTO THE FIRE ALARM SYSTEM PER NFPA-1 10.12.1. 9. THE 656BA NOISE CONTOUR LINE DRAWN ON THIS DEVELOPMENT PLAN IS ADVISORY AS REQUIRED BY HOWARD COUNTY DESIGN MANUAL, CHAPTER 5, REVISED FEBRUARY, 1992, AND CANNOT BE CONSIDERED TO EXACTLY LOCATE THE 65 dBA NOISE EXPOSURE. THE 65 dBA NOISE LINE WAS ESTABLISHED BY HOWARD COUNTY TO ALERT DEVELOPERS, BUILDERS AND FUTURE RESIDENTS THAT AREAS BEYOND THIS THRESHOLD MAY EXCEED GENERALLY ACCEPTED NOISE LEVELS ESTABLISHED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.

WILL BE INSTALLED ON THE OFFICE BUILDING WITHIN 6 FEET OF THE RIGHT SIDE OF THE MAIN DOOR, AT A HEIGHT OF 4-5 FEET. THE BOX SHALL BE

). THIS SITE WAS PREVIOUSLY CLEARED AND GRADED IN ACCORDANCE WITH SDP-07-101. ALL EXISTING UTILITIES, PAVEMENT, STRUCTURES, AREAS OF STEEP SLOPE, SPECIMEN TREES, AND VEGETATION ON-SITE, WITHIN THE LIMITS OF DISTURBANCE OF SDP-07-101 AND LOCATED OUTSIDE OF PUBLIC RIGHTS-OF-WAY WERE DEMOLISHED AND REMOVED. NO EXISTING SLOPES GREATER THAN 25% REMAIN ON THIS SITE. NO FCE AREAS, WETLANDS, WETLAND BUFFERS, STREAM, STREAM BUFFERS ARE APPLICABLE ON THIS PLAN. FOREST STAND F-3 WAS PRESERVED AND EXPANDED WITH

PER HOWARD COUNTY ZONING SECTION 127.5D, THE MINIMUM SETBACK TO ADJACENT PROPERTIES FOR RESIDENTIAL BUILDINGS AND RELATED STRUCTURES IS 20 FEET. FOR PRIMARY STRUCTURES AND RELATED USES. THE MINIMUM SETBACK TO ROUTE 1 AND TO MISSION ROAD IS ZERO (0) FEET PER ALTERNATIVE COMPLIANCE APPROVED BY THE DIRECTOR ON MAY 4, 2006, THE MAXIMUM SETBACK FROM ROUTE 1 IS 68.5 FEET. FOR ALL OTHER STRUCTURES AND USES. THE MINIMUM SETBACK TO MISSION ROAD IS 10 FT.

CONTRACTOR MUST DIRECT ALL ROOF LEADERS TO THE APPROPRIATE ON-SITE BMP. 3. APPROVAL OF THIS PLAN IS SUBJECT TO THE APPROVAL OF SDP-07-104 FOR PARCELS A AND C, AND RECORDATION OF F-07-156, APPROVALS FROM PRELIMINARY EQUIVALENT SKETCH PLAN SP-06-096, APPROVED ON NOVEMBER 22, 2006, AND FROM FINAL PLAN F-07-156 ON APRIL 10, 2008

TECHNICAL RECORREMENTS FOR J.S.D.A.-NATURAL RESOURCES CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT PROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

PRINTED NAME: JOANNE CHEOK

05/06/08

DATE

BY THE DEVELOPER: 'I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNELINVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A REQUEST TO REDUCE SIDEWALKS TO 4 FEET WIDTH IN AREAS OF LOWER PEDESTRIN TRAFFIC WAS

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." 05/06/08 DATE

PRINTED NAME: SCOTT C. REED, MANAGER BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT 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 REQUIREMENT OF THE HOWARD SOIL CONSERVATION DISTRICT."

**APARTMENTS TOWNHOMES** 2-OVER-2 TOTAL UNITS PROPOSED FOR THIS SDP-07-113 PROPOSED USE FOR PARCEL B: PARKING SPACES REQUIRED: PARKING SPACES PROVIDED: **OPEN SPACE ON SITE:** AREA OF RECREATION OPEN SPACE REQUIRED: ACRES REQUIRED FOR ENTIRE PROJECT: ACRES PROVIDED FOR ENTIRE PROJECT: ACRES PROVIDED BY THIS PLAN: **BUILDING COVERAGE:** PERCENTAGE OF GROSS AREA OF PARCEL B: DPZ FILE REFERENCES: FLOOR SPACE USE IN OFFICE BUILDING: 8,000 SQ FT OFFICE + 8,000 SQ FT RETAIL MIN. 16,000 SQ FT OFFICE 3RD: 16,000 SQ FT OFFICE 16,000 SQ FT OFFICE 56,000 SQ FT OFFICE + 8,000 SQ FT RETAIL

1.81 AC AREA OF PLAN SUBMISSION LIMIT OF DISTURBED AREA: PRESENT ZONING DESIGNATION **USES ALLOWED FOR PROJECT:** TOTAL UNITS PROPOSED ON PREVIOUS SDP-07-104

1.81 AC CAC-CLI **RESIDENTIAL & COMMERCIAL** 366 DU 262 DU 60 DU 44 DU 0 DU 64,000 SQFT OFFICE & RETAIL 260 SPACES 285 SPACES 0.00 AC 1.657 AC 0.128 AC 0.37 AC 18.9% ZB 1048B, SP-06-18, HO-827, F-07-156, SDP-07-101, SDP-07-104, WP-06-096, AA-06-016

SITE ANALYSIS DATA CHART FOR PARCELS A, B, AND C

ALTERNATIVE COMPLIANCE REQUESTS IN ACCORDANCE WITH THE ROUTE 1 MANUAL:

APPROVED BY THE DIRECTOR ON AUGUST 23, 2007. REQUEST A REDUCTION TO COMMERCIAL SPACE RATIO OF 300 SQ FT / DU TO 235 SQ FT / DU. APPROVED BY

REQUEST AN INCREASED BUILDING SETBACK FROM RTE 1 TO SIXTY EIGHT AND A HALF FEET.

REQUEST TO ALLOW A PORTION OF THE COMMERCIAL PARKING ADJACENT TO RTE 1. APPROVED BY THE DIRECTOR, MAY 4, 2006. REQUEST TO ELIMINATE 50% RETAIL REQUIREMENT FOR FIRST FLOOR OF OFFICE BUILDING. DENIED BY

REQUEST A WAIVER TO DESIGN MANUAL VOLUME 3, SECTION 2.3.1.B, TO REDUCE SIGHT DISTANCE TO 240' AND TO ALLOW SIGHT LINE ACROSS ADJACENT PROPERTY WITHOUT AN EASEMENT. DENIED BY DIRECTOR, OCTOBER 18, 2006. IN LIEU OF THE WAIVER, THE DEVELOPER WILL PURSUE ROAD IMPROVEMENTS AT FINAL PLAN AS NECESSARY TO MEET SIGHT DISTANCE REQUIREMENTS.

DIRECTOR, MAY 4, 2006. 50% RETAIL WILL BE PROVIDE ON THE FIRST FLOOR OF THE OFFICE BUILDING.

REQUEST A WAIVER TO DESIGN MANUAL VOLUME 1, SECTION 5.2.7.D.1(b), TO ALLOW ACCESS POINTS TO SWM FACILITIES WITHIN TRAVEL LANES; AND TO SECTION 5.2.7.D.1(s), TO ALLOW THE SWM FACILITIES TO BE CONSTRUCTED OF DIFFERING MATERIALS. APPROVED BY THE DIRECTOR, SEPTEMBER 20, 2006.

(10% OF NET SITE AREA IS REQUIRED AS PEDESTRIAN AMENITY AREAS PER RTE 1 MANUAL) NET SITE AREA = 694,910 SQ FT 10% x NET SITE AREA = 69,491 SQ FT REQUIRED PROPOSED AMENITY AREAS **AMENITY AREA #1** 

16.6255 AC

REQUIRED AMENITY AREA CALCULATION

OVERALL PLAN

AMENITY AREA #2 **AMENITY AREA #3** AMENITY AREA #4 AMENITY AREA #5 (PHASE 2) AMENITY AREA #6 TOTAL AMENITY AREA PROVIDED:

BARBEQUE, PICNIC AREA BARBEQUE, PLAY AREA, PICNIC AREA 18,490 POOL, PLAY AREA, PICNIC AREA 15,880 5.590 PUBLIC GATHERING 2,160 PUBLIC GATHERING 72,160

SITE AMENITYTABULATION: AMENITY AREAS 1 THROUGH 6 WILL BE ACCESSIBLE TO ALL RESIDENTS OF THE COMMUNITY.

AMENITY AREAS 5 & 6 ARE PUBLIC AMENITY SPACES OPEN TO GENERAL PUBLIC AS WELL. SITE FURNITURE AND FIXTURES FOR AMENITY AREA #5 ARE SHOWN ON THE LANDSCAPE PLANS.

AMENITY / USE

TOT LOT, PLAYGROUND, PICNIC AREA

#### THE PROJECT WILL BE CONSTRUCTED IN TWO PHASES:

PHASE 1 (EST. START 2007) WILL CONSIST OF THE FOLLOWING WORK THE 262 UNIT APARTMENT BUILDING & GARAGE, THE 25,035 SQ FT COMMERCIAL SPACE, AND ALL INFRASTRUCTURE ON PARCEL C. ALL 104 OF THE TOWNHOUSE UNITS AND THE INFRASTRUCTURE ON PARCEL A, FOR A TOTAL OF 366 DWELLING UNITS;

ROUTE 1: 164 UNITS, LOCATED IN THE APARTMENT BUILDING 61 UNITS, LOCATED IN THE APARTMENT BUILDING TOTAL 225 UNITS FOR 2009 FOR ALLOCATION YEAR 2010 (CURRENT YEAR): ROUTE 1: 141 UNITS: 37 LOCATED IN THE APARTMENT BUILDING. 104 LOCATED IN THE TOWNHOUSE

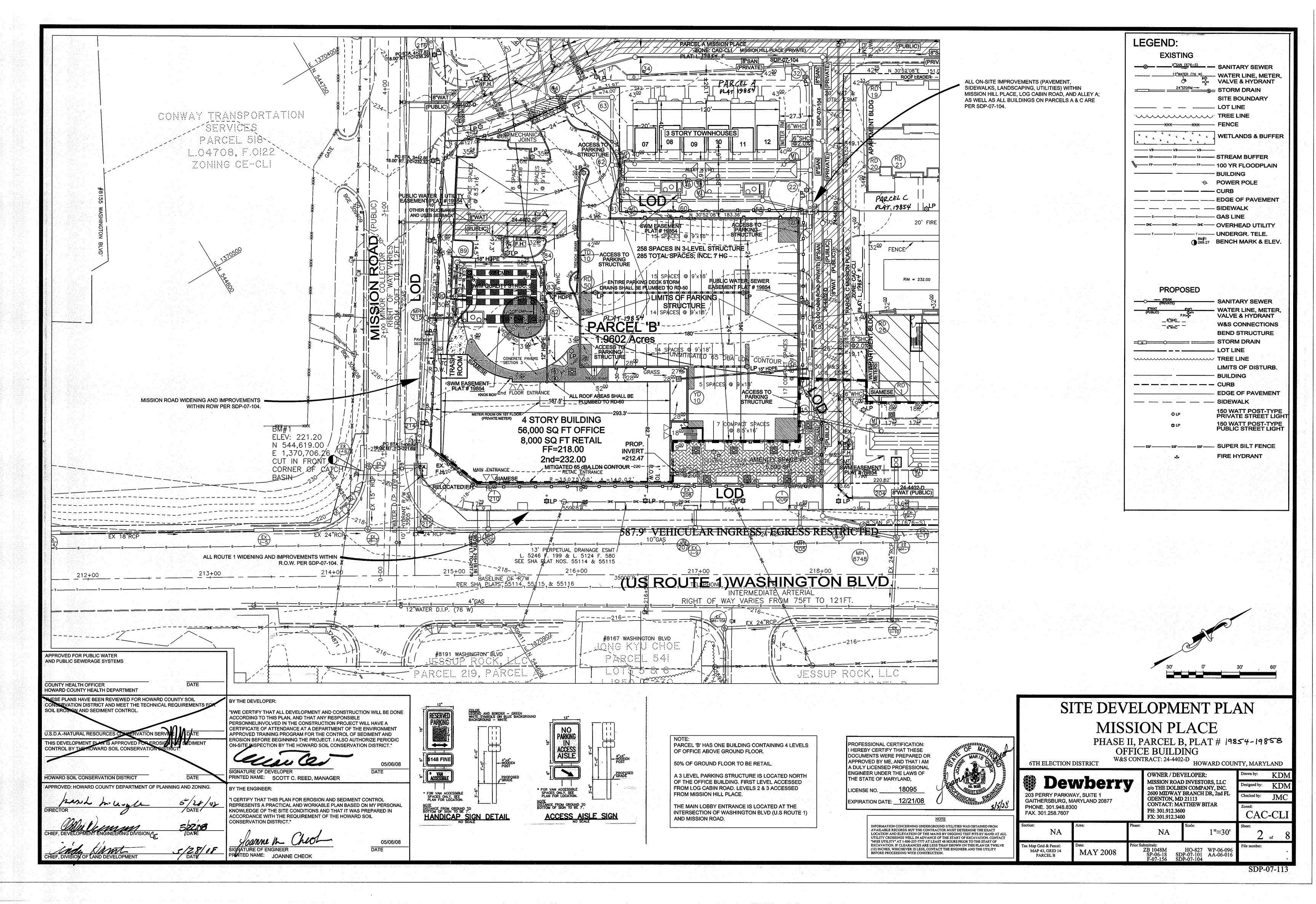
TOTAL ALLOCATION FOR PROJECT: 366 DU

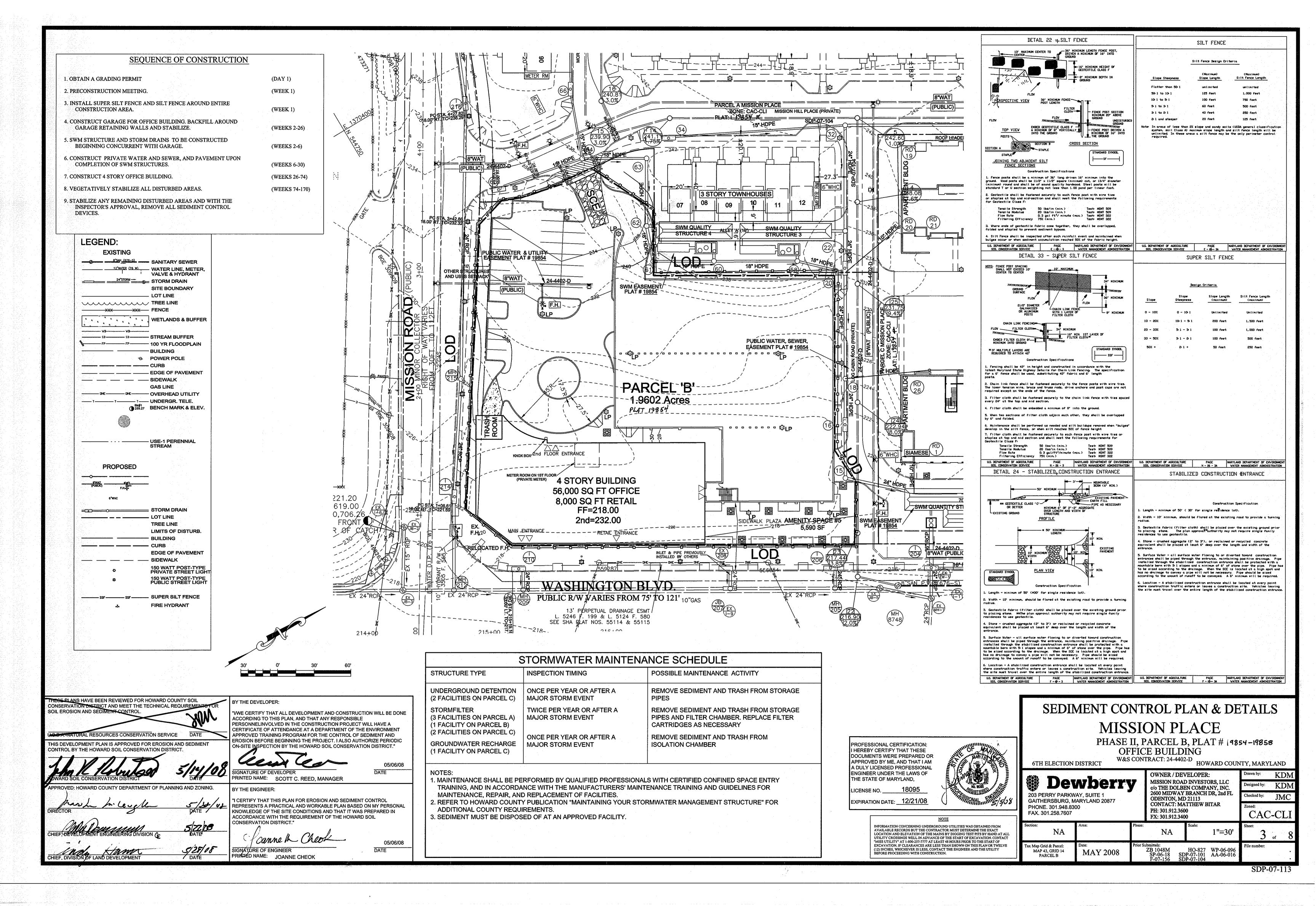
FOR ALLOCATION YEAR 2009:

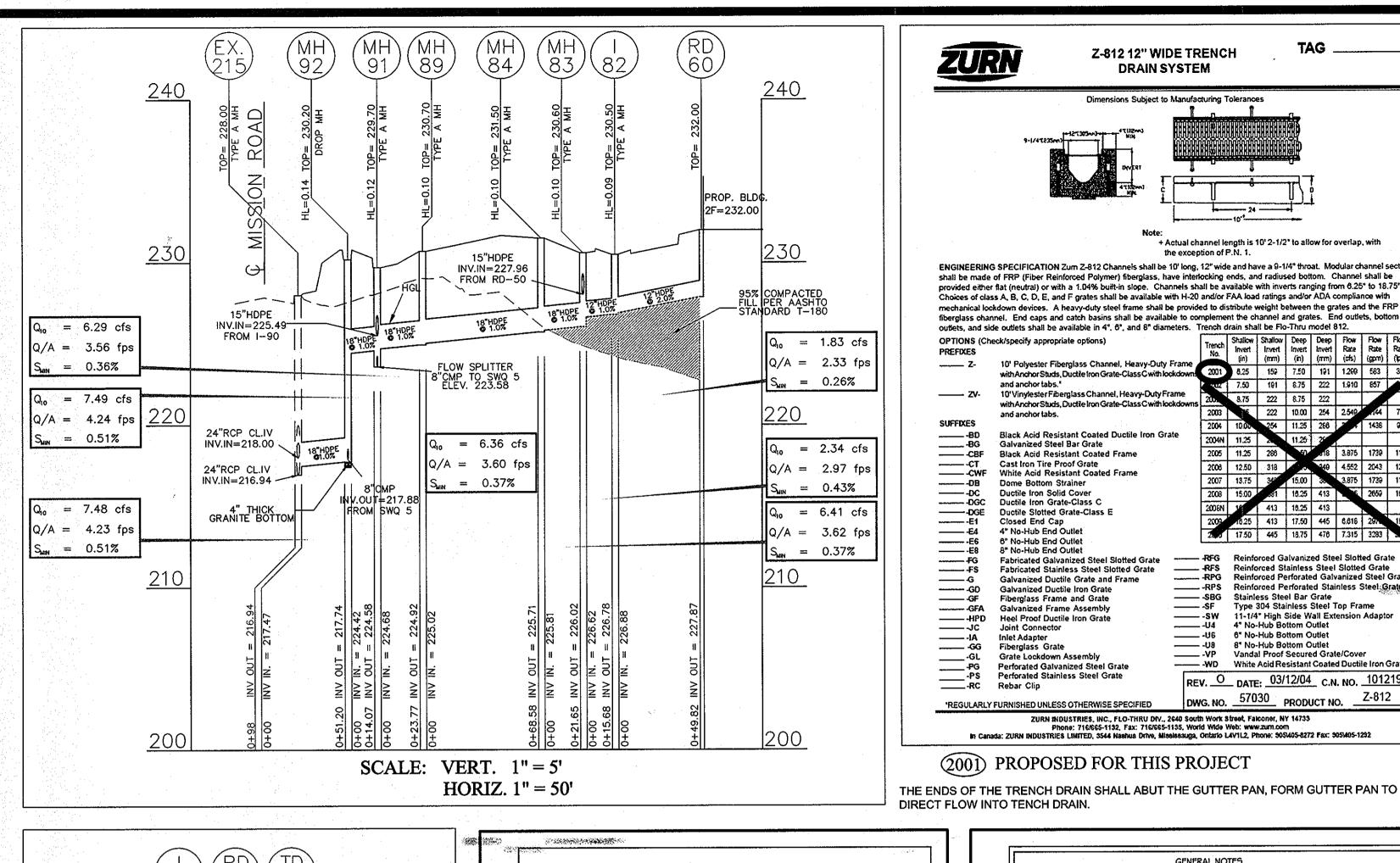
PHASE 2 (EST. START 2008) WILL CONSIST OF THE FOLLOWING WORK: THE 64,000 SQ FT OFFICE BUILDING OR OTHER APPROVED USE (INCLUDING ±8.000 SQ FT OF GROUND FLOOR RETAIL/SERVICE) AND ALL INFRASTRUCTURE & DEVELOPMENT ON PARCEL B.

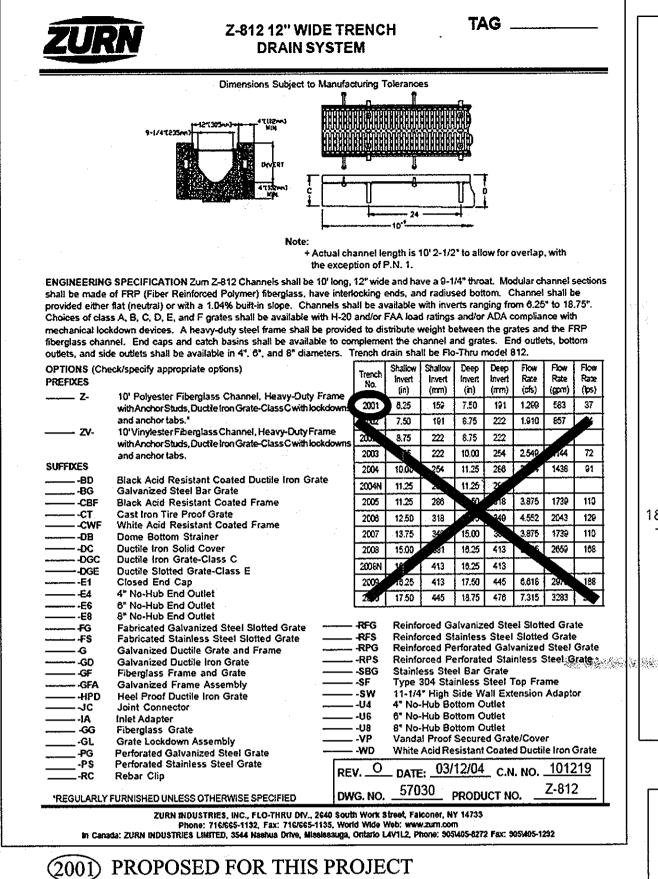
ROFESSIONAL CE HEREBY CERTIFY OCUMENTS WERE PPROVED BY ME, DULY LICENSED I NGINEER UNDER HE STATE OF MAF	THAT THESE E PREPARED OR AND THAT I AM PROFESSIONAL THE LAWS OF	William Willia	W. W		
CENSE NO	18095		No K	ENER .	\$
XPIRATION DATE:	12/21/08		PARAMANAN	m.ENG	

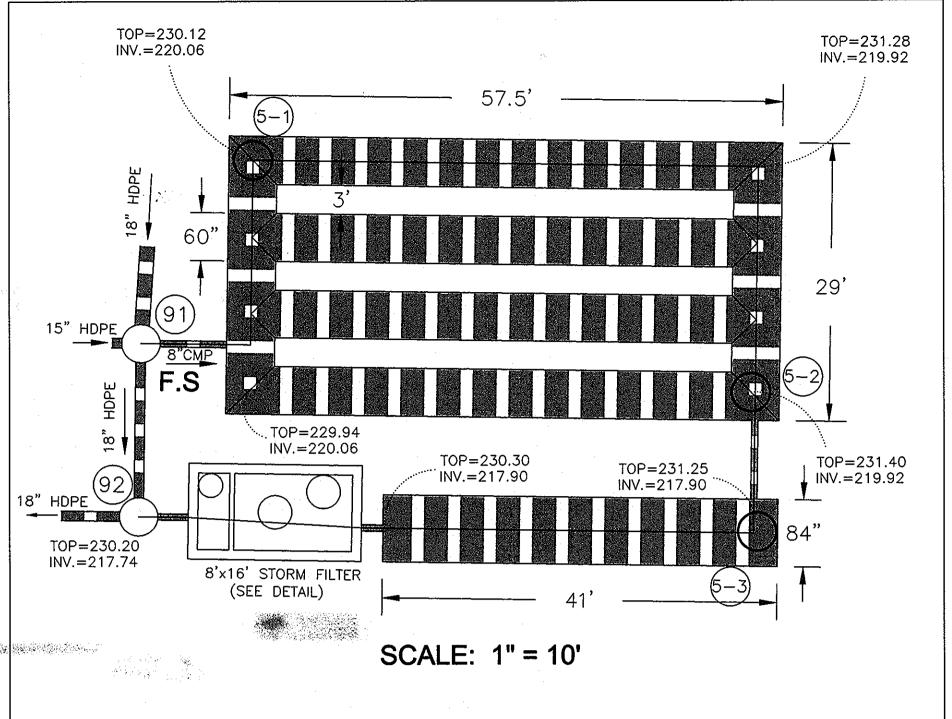
ax Map Grid & Parcel MAP 43, GRID 14

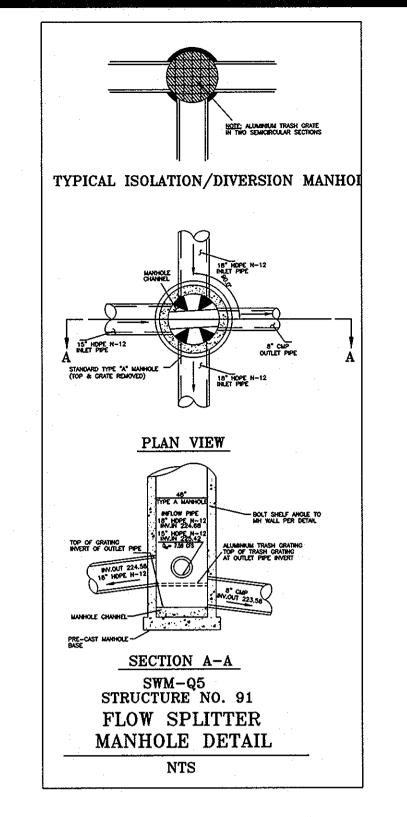


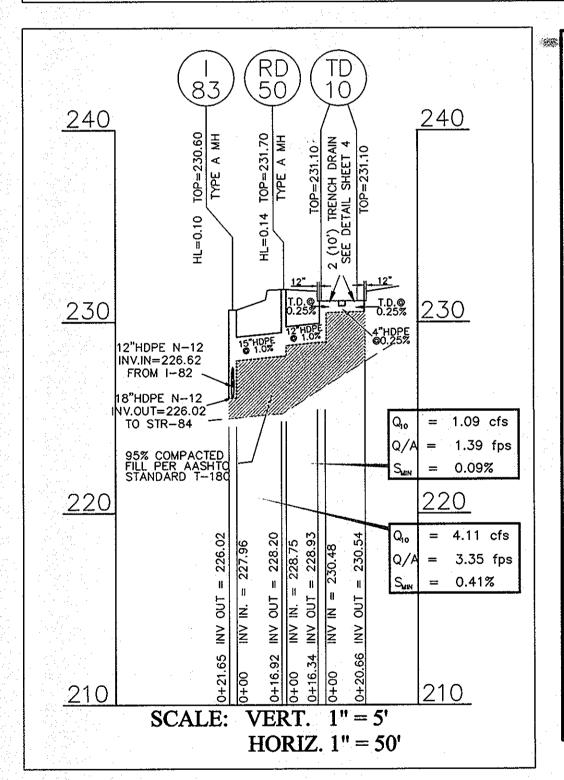


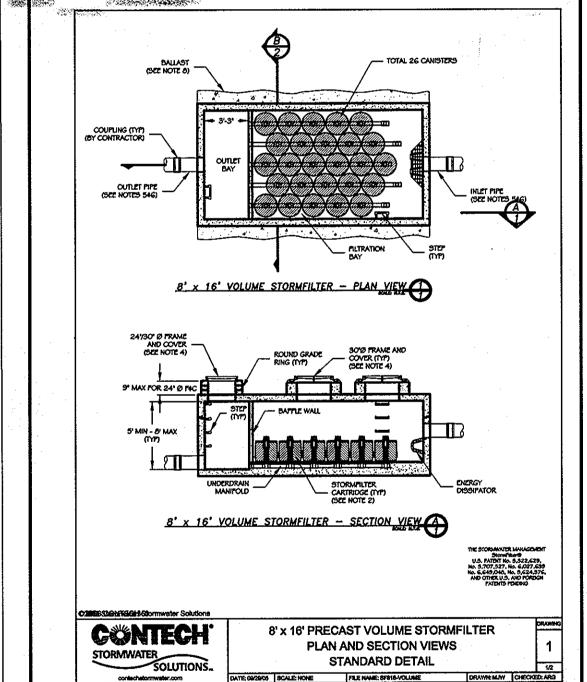


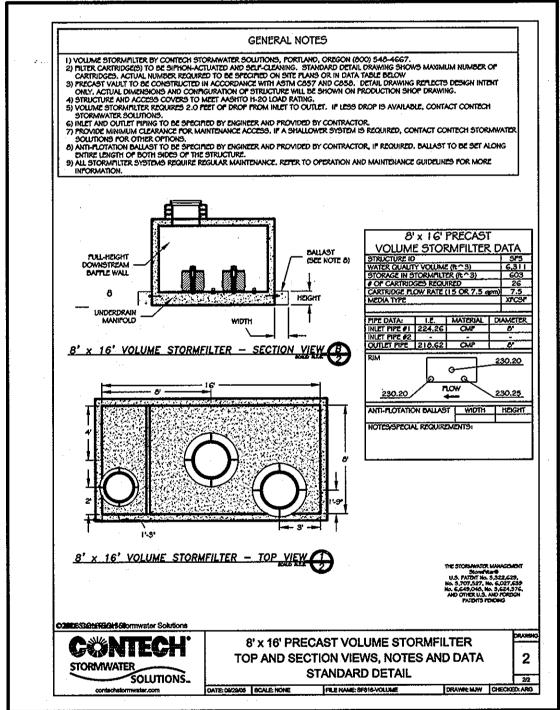


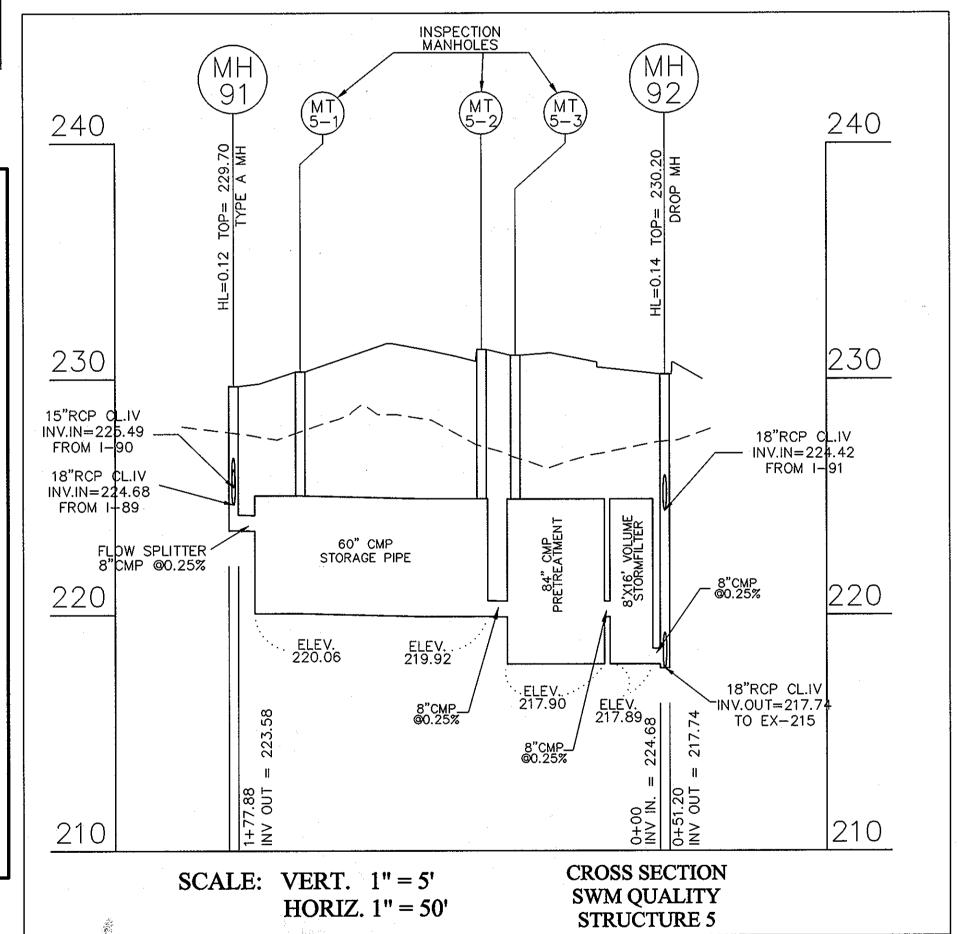


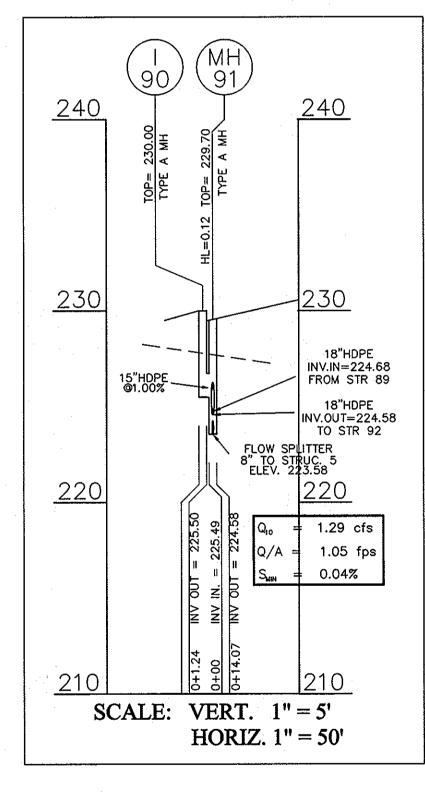












THESE PLANS HAVE BEEN REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL  U.S.D.ANATURAL RESOURCES CONSERVATION SERVICE DATE	BY THE DEVELOPER:  "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNELINVOLVED 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
THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  HOWARD SOIL CONSERVATION DISTRICT  DATE	ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."  05/06/08  SIGNATURE OF DEVELOPER DATE PRINTED NAME: SCOTT C. REED, MANAGER
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.    South to Ley Cl	BY THE ENGINEER:  "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT 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 REQUIREMENT OF THE HOWARD SOIL CONSERVATION DISTRICT."  O5/06/08

PRINTED NAME: JOANNE CHEOK

PRIVATE										
PIPE SCHEDULE										
SIZE	TYPE	CLASS	LENGTH							
12	HDPE	N-12	82							
15	HDPE	N-12	127							
18	HDPE	N-12	157							

				STR	UCTUF	RE SCH	EDULE	
CTD #	TVDE	WIDTH	INVER	T ELEV.	TOP ELE	EVATION	STANDARD DETAIL	REMARKS
STR.#	TYPE	DIA.	INV. IN	INV. OUT	UPPER	LOWER	STANDARD DETAIL	KLINAKKO
RD-60	MH	4'	-	227.87	232.00	232.00	PRECAST MANHOLE G5.12	
82	WR INLET	3'6"	226.88	226.78	230.50	230.50	WR INLET D-4.37	
TD-10	TRENCH	12"	. <b>-</b>	228.93	231.10	231.10	SEE PLAN SHEET 4 OF 8	
RD-50	MH	2.4'	228.75	228.20	231.70	231.70	PRECAST MANHOLE G5.12	
83	MH	4'	226.62	226.02	230.60	230.60	PRECAST MANHOLE G5.12	
84	MH	4'	225.81	225.71	231.50	231.50	PRECAST MANHOLE G5.11	
89	МН	4'	225.02	224.92	230.70	230.70	PRECAST MANHOLE G5.11	
90	A-10	2'6"	-	225.50	230.30	230.00	A-10 INLET D-4.03	
91	MH	4'	224.68	224.58	229.70	229.70	PRECAST MANHOLE G5.11	salah keraja dan salah sal Salah salah sa
92	MH	4'	224.42	217.74	230.20	230.20	PRECAST MANHOLE G5.11	DROP MANHOLE
YD-10	YARD INLET	3'2"	-	215.00	227.00	227.00	YARD INLET D-4.14	
				<u> </u>				

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. \_ EXPIRATION DATE: 12/21/08

NFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF THE START OF EXCAVATION. CONTACT "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE
(12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY
BEFORE PROCEEDING WITH CONSTRUCTION. ax Map Grid & Parcel:

# STORM DRAIN PROFILES & DETAILS / SWM DETAILS MISSION PLACE

PHASE II, PARCEL B, PLAT # 19854-19858 OFFICE BUILDING

W&S CONTRACT: 24-4402-D HOWARD COUNTY, MARYLAND **6TH ELECTION DISTRICT** 

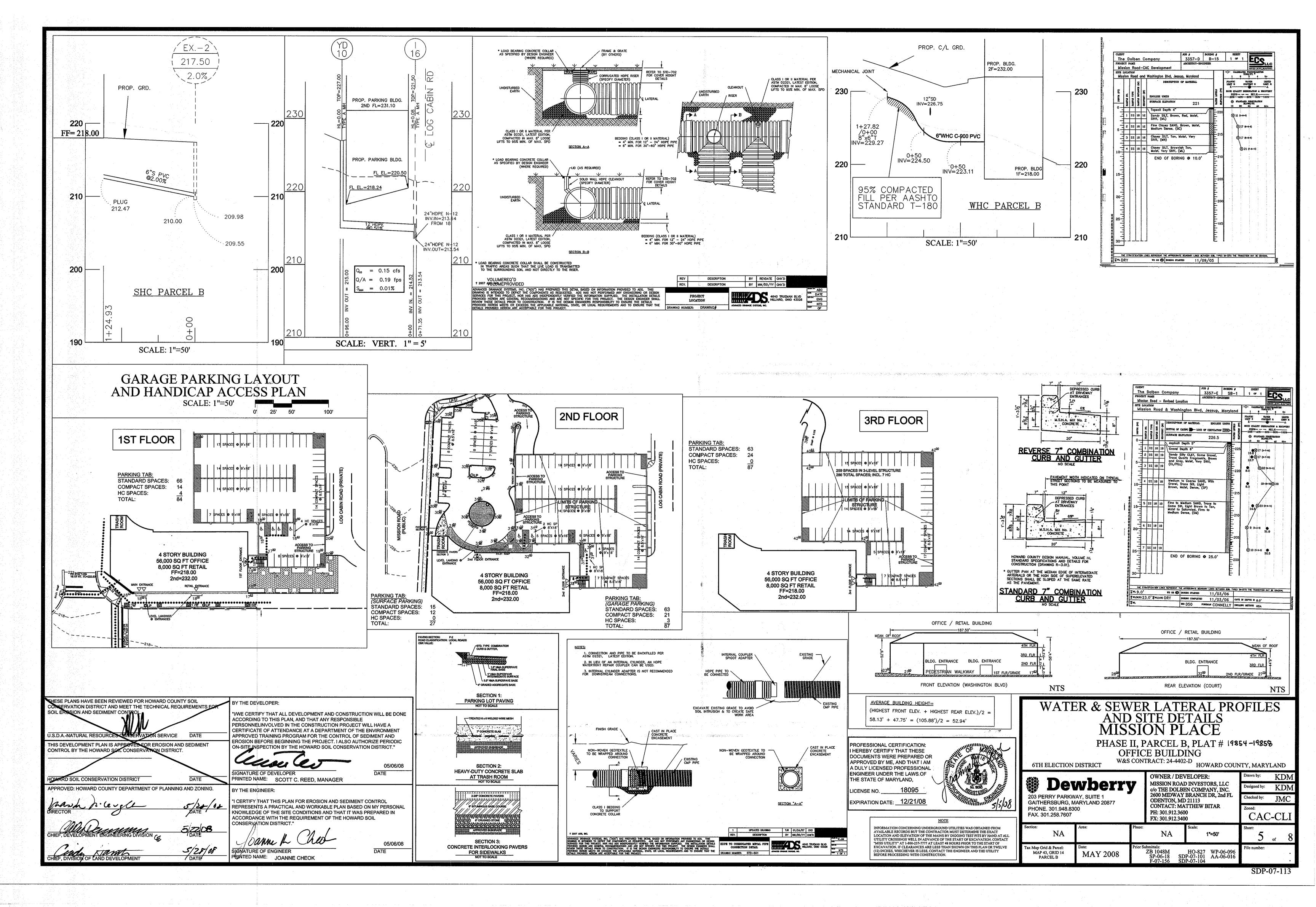
	ewbei	
03 PERRY	PARKWAY, SUITE 1 BURG, MARYLAND 2087	
HONE. 301 AX. 301.25	1.948.8300	
ion:	Area:	Phase:

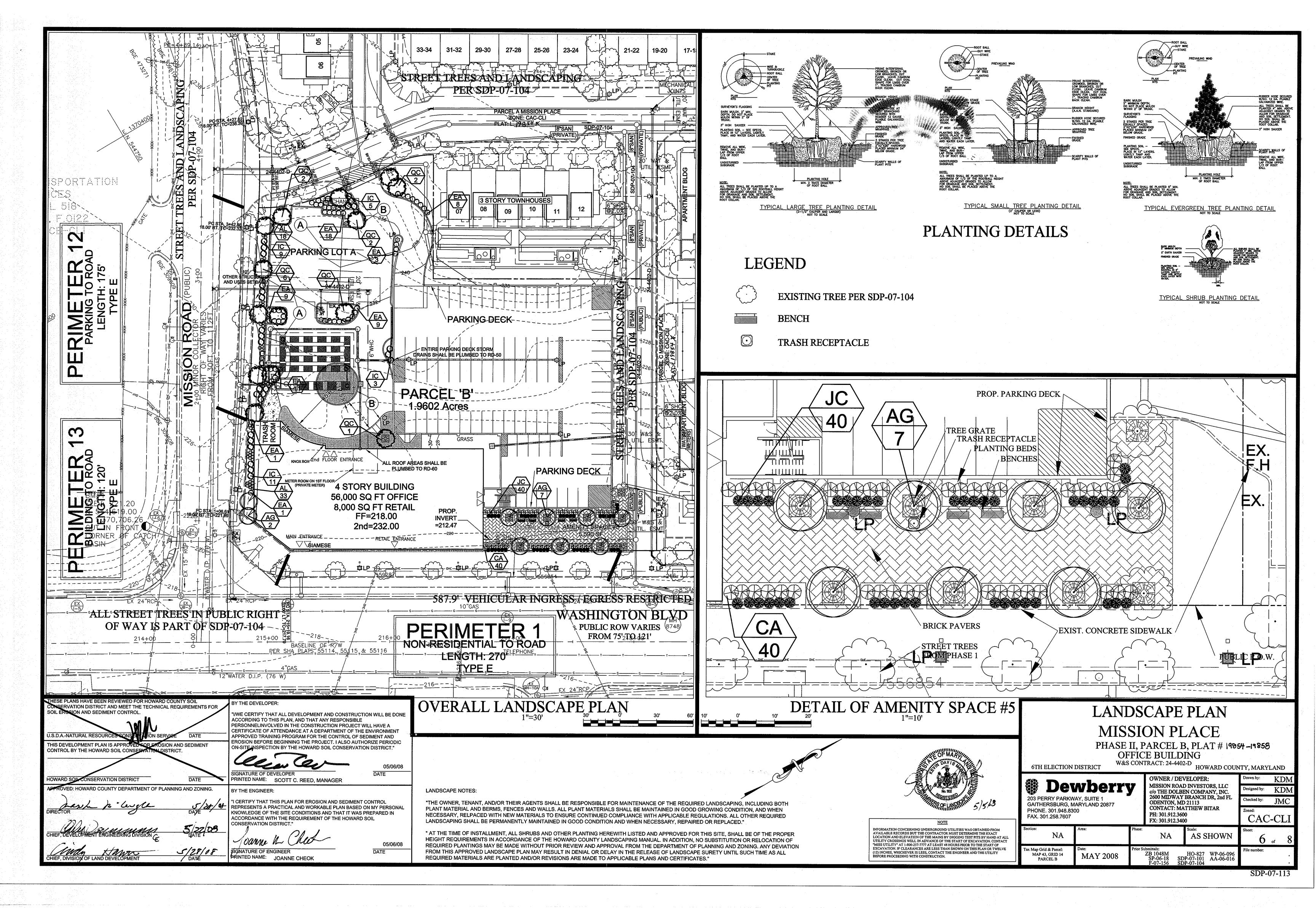
MAP 43, GRID 14 PARCEL B

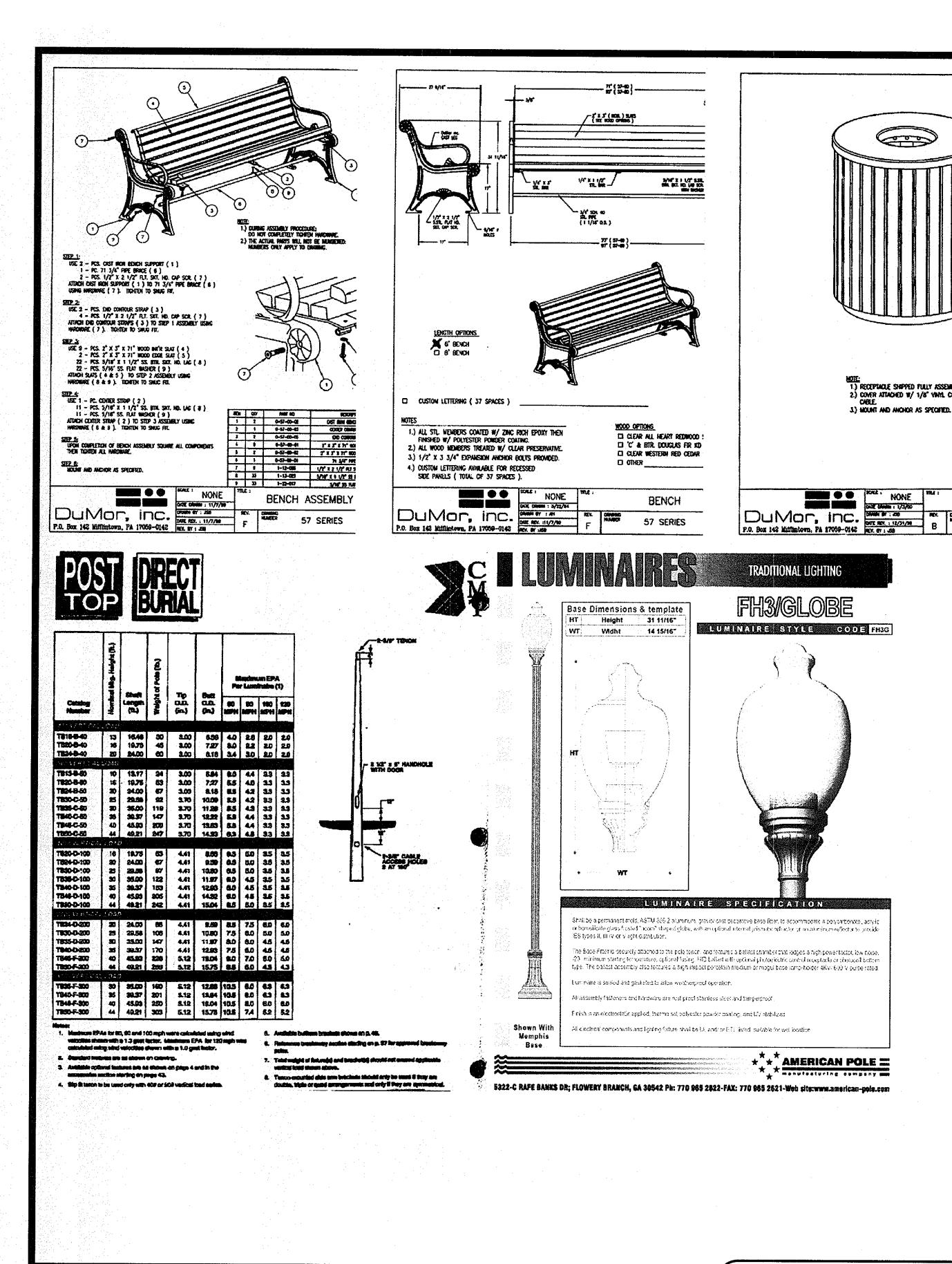
OWNER / DE	Drawn by: KI	
MISSION ROA	Designed by: KI	
2600 MIDWAY ODENTON, M	Checked by: JM	
CONTACT: M. PH: 301.912.36 FX: 301.912.34		Zoned: CAC-CI
NA	Scale: 1"=50'	Sheet:
· · · · · · ·	· · · · · · · · · · · · · · · · · · ·	

HO-827 WP-06-096 SDP-07-101 AA-06-016 SDP-07-104

SDP-07-113







BY THE DEVELOPER:

BY THE ENGINEER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE

PERSONNELINVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A

CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT

EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC

APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND

ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL

ACCORDANCE WITH THE REQUIREMENT OF THE HOWARD SOIL

KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN

REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL

ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE

PRINTED NAME: SCOTT C. REED, MANAGER

PRINTED NAME: JOANNE CHEOK

THESE PLANS HAVE BEEN REVIEWED FOR HOWARD COUNTY SOIL

OSION AND SEDIMENT CONTR

RD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPR

CONTROL BY THE HOWARD SO

ENSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS F

PPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

ON SERVICE

D FOR EROSION AND SEDIMENT

#### NOTES:

05/06/08

05/06/08

NO LANDSCAPING WILL BE LOCATED WITHIN ANY PUBLIC WATER, SEWER. OR STORM DRAIN EASEMENT.

AMERICAN POLE

000

1.) RECEPTACLE SHPPED FULLY ASSEMBLED.

2.) COVER ATTACHED W/ 1/8" VMM. COATED

RECEPTACLE ASSE

70-22PL/46-00

FOREST STAND DELINEATION

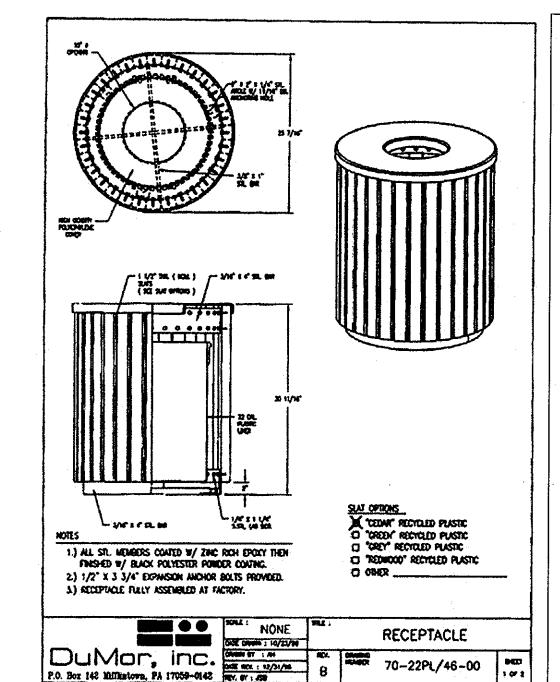
there are no trees or shrubs within the area.

associated with TURF-1.

LANDSCAPE SURETY WILL BE PART OF THE DEVELOPER'S AGREEMENT.

ALL EXISTING FACILITIES, WELLS. SEPTIC SYSTEMS, UTILITIES, **BUILDINGS AND STRUCTURES ON SITE** WILL BE REMOVED OR SEALED & **ABANDONED IN PLACE IN** ACCORDANCE WITH ALL APPLICABLE PERMITS AND REGULATIONS.

ALL EXISTING BG&E POLES TO BE REMOVED OR RELOCATED.



Three distinct forest stands were identified along with turf areas and hedgerows located within the subject property as follows:

flood plain, which makes it high priority for preservation. There is a significant amount of trash and debris along the stream bank

Building Area -2: Building Area 2 is totally covered by buildings and asphalt parking. There are no trees or any vegetation.

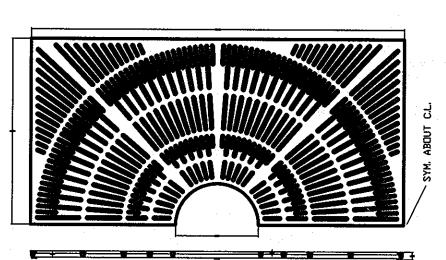
honeysuckle, multiflora rose, winter berry, and poison ivy. No environmentally sensitive areas are associated with H-1.

FOREST STAND F1 ANALYSIS

KEY TYPE OF AREA SOIL INFORMATION

from the edge of the forest. The preservation priority is high because a wetland of approximately 5,117 square feet is associated with this forest.

TREE GRATE #M7206-2 STYLE: STARBURST SERIES 2



11-701 CORPORATE WAY, #3

PALM DESERT, CA 92260

1/2' × 1' × 1/4' THICK GRINDING PADS FOR LEVELING - TYP. 4 OR MORE PLACES SLOT WIDTH IS 3/8" MAXIMUM, MEETS ADA COMPLIANCE. GRATE CAST FROM GRAY IRON OR ALUMINUM TREE OPENING SIZE. 16", 26" OR 36" STEEL ANGLE FRAME REQUIRED FOR INSTALLATION USE MODEL M7200F OUTER FRAME DIM. IS 3/4" ± 1/8"

#### 6' X 6' SQUARE TREE GRATE

NTS

The second of the second of

STAND CHARACTERISTICS FOREST AREA

GREATER THAN GRATE.

This drawing embodies a confidential proprietary design of IRONSMITH Paim Desert, CA. All design, manufacturing, reproduction, use, sale, and other rights regarding the same are expressly reserved. This drawing is submitted under confidential relationship for a specific purpose and the recipient agrees by accepting this drawing not to supply or disclose any information regarding it to any unauthorized person or to incorporate any special feature peculiar to this design in other projects. The information disclosed in this drawing may be covered completely or in part by petents pending. Designers may incorporate this drawing in their plans for the purpose of showing design intent. This drawing is not to be used for the

PERIMETER LANDSCAPING PERIMETER #1 BUFFER PLANTS **PLANTS EDGE CONDITION** REQUIRED REQUIRED PROVIDED NON-RESIDENTIAL TO ROAD 270' TYPE E 1 Shade Tree / 40 LF 1 Shrub / 4 LF PERIMETER #12 BUFFER PLANTS **PLANTS EDGE CONDITION** REQUIRED REQUIRED **PROVIDED** PARKING TO ROAD TYPE E 1 Shade Tree / 40 LF 1 Shrub / 4 LF PERIMETER #13 BUFFER **PLANTS** PLANTS **EDGE CONDITION** REQUIRED REQUIRED PROVIDED **BUILDING TO ROAD** 120' TYPE E 1 Shade Tree / 40 LF 1 Shrub / 4 LF **PLANTS PLANTS REQUIRED PROVIDED TOTAL PERIMETER DECIDUOUS TREES: TOTAL PERIMETER EVERGREEN TREES: TOTAL PERIMETER SHRUBS:** LANDSCAPING AREAS PARKING LOT LANDSCAPING - NON-RESIDENTIAL (1 Island/Tree per 20 Spaces) NUMBER OF PARKING SPACES NUMBER OF TREES REQUIRED NUMBER OF TREES PROVIDED NUMBER OF SHRUBS PROVIDED

REQUIRED LANDSCAPING CALCULATIONS

#### TOTAL LANDSCAPING ON-SITE FOR PHASE 2

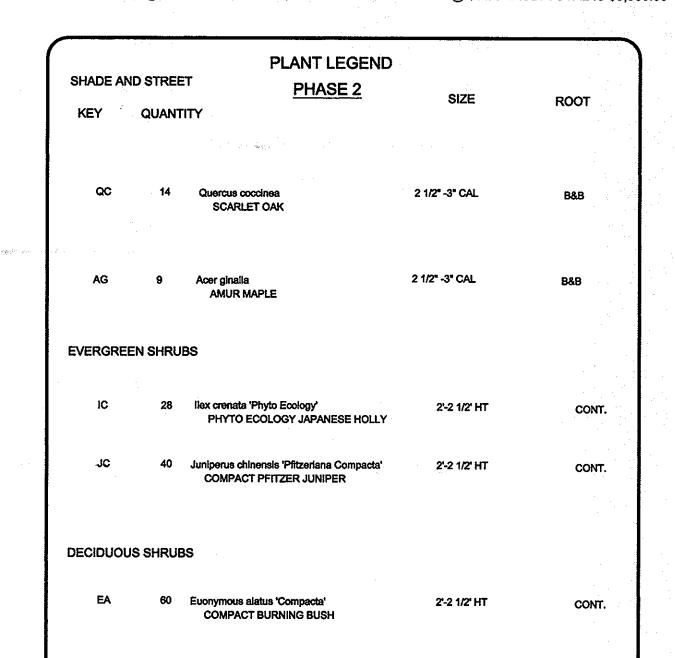
TOTAL DECIDUOUS TREES:

**TOTAL EVERGREEN TREES:** 

**TOTAL SHRUBS:** 

219 **TOTAL PERENNIALS:** 

FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$5,100.00 FOR 17 SHADE TREES @ \$300/TREE, 0 EVERGREEN TREES @ \$150/TREE, AND \$4,260.00 FOR 142 SHRUBS @ \$30/SHRUB. TOTAL IS \$9,360.00



#### COMMUNITY SOIL TYPICAL FOREST WOODLAND HABITAT VEGETATION GENERAL N SENSITIVE TYPE COVER FOR SOIL SUITABILITY VALUE dominant sp.& % ONDITION **NVIRONMENTS** upland closed canop hardwood critical co-dominant sr good condition habitat beeches, popla red maple, gree ash, various oak 75-84 6"-20" 5 to 15 closed canopy dominant species beeches, poplar red maple, greei ash, various oak beach pine. FOREST STAND F2 ANALYSIS AREA SOIL INFORMATION KEY TYPE OF TAND CHARACTERISTICS FOREST AREA COMMUNITY SOIL TYPICAL FOREST WOODLAND HABITAT VEGETATION COVER FOR SOIL SUITABILITY VALUE dominant sp.& % DIAM. CONDITION **ENVIRONMENTS** not a dominant and "-20" 5 to 15 closed canopy hardwood critical co-dominant si good condition beeches, poplar, red maple, greer ash, various oak PINE and OAK beach pine 6"-20" 5 to 10 closed canop

Forest Stand F-1: This stand is approximately 2.64 acres of mid-age mixed hardwood forest with some variation in species composition along the stand fringe. The main characteristic of this upland

between 6"and 20"d.b.h. The understory is a mixture of mostly beech, green ash (Fraxinus pennsylvanica), red maple (Acer rubrum), hickory (Carya sp.), greenbrier (Smilax sp.), sweet gum

forest stand is the size of the dominant species. Among these species are tulip poplar (Liriodendron tulipifera), American beech (Fagus grandifolia) and oak species (Quercus spp.), with a size range

(Liquidambar styraciflua) and various oak species. There are few understory species in this stand. The canopy closure is approximately 99%. Herbaceous species were not observed (snow time) apart

Forest Stand F-2: This upland forest stand occurs on approximately 1.46 acres of the Subject Property with some variation in species composition along the stand's fringe. The canopy comprises white oak (Quercus alba), red maple, sweet gum, and green ash. Canopy closure is approximately 75%. This forest stand is in an early seral successional level of hardwood development. Due to this stand's

stage of development, most of the size classes of dominant species are in the range of 6" to 20" d.b.h. The understory comprises a mixture of black cherry (Prunus serotina), green ash, beech, Scrub pine (Pinus virginiana) and eastern red cedar (Juniperus virginiana). The coverage within the understory is 60%. Among herbaceous species are Japanese honeysuckle (Lonicera japonica), brambles (Rubus

sp.), Asiatic bittersweet (Celastrus orbiculatus), winterberry (Ilex verticillata), poison ivy (Rhus radicans), and other grasses. No wetland areas have been identified within this forest stand. The

Forest Stand F-3: This forest stand occurs on approximately 0.25 acres of the subject property and is a continuation of a larger forest stand on the north. The canopy composition is a mixture of red maple, tulip poplar, and oak. The understory is very dense with some hardwood saplings but mostly with invasive species such as multiflora rose ( Rosa multiflora), greenbrier, honeysuckle, English ivy (Hedera helix), common onion grass (Allium vineale), and poison ivy. This stand is contiguous to a stream and contains approximately 1,282 square feet of wetlands and 5,877 square feet of 100-year

Building Area -1: Building Area 1 comprises of 3.23 acres of land; ninety seven (97%) percent of it is covered by buildings and gravel parking. Although there are small green areas along the perimeter,

TURF-1: Turf 1 is comprised of the majority of Parcels 525, 446 and 447; it contains several houses, access driveways and a couple of wood sheds. The topography slopes down west to east. Four

specimen trees were identified on this lot; a 31" white mulberry (Morus alba), two white oaks 34" and 36", and a 40" northern red oak (Quercus borealis). No environmentally sensitive areas are

Hedgerow H-1: This upland tree row is a mix of trees, shrubs, and herbaceous species typical of middle succession growth on unused areas. The canopy comprises three sycamores ( Platanus occidentalis), one tulip poplar, red maple, and white oak. The understory is made of green ash, various oak species, scrub pine, and red maple. Among the herbaceous species are greenbrier, bramble,

	ļ	ŧ	:		į.	i		1	i	<b>j</b>	
J. J	Wanted young their Annual Section 1 may yet . B By Wall Bloom and		FORES	T STAND F3 ANAL	YSIS		e de la composition della comp		ļ		
KEY TYPE OF	TYPE OF	AREA	SOIL IN	NFORMATION			EXISTING	STAND	CHARA	CTERISTICS	FOREST AREA
	COMMUNITY		SOIL	TYPICAL FOREST	WOODLAND	HABITAT	VEGETATION	SIZE		GENERAL	IN SENSITIVE
		:	TYPE	COVER FOR SOIL	SUITABILITY	VALUE	dominant sp.& %	DIAM.	AGE	CONDITION	<b>ENVIRONMENTS</b>
F-3	lowland	0.25	SfC2	PINE	75-84	high	dominant and	6"-20"	15 to 30	closed canopy	0.25 ac.
	hardwood	:					co-dominant sp.			fair condition	N. N. Call Addition of the company of the propagation of the sale of the sales.
				· ·			poplar, red maple,			heavy dumping	and the state of the constant of the same
							various oak.		*	and trash on	Address to the section of the sectio
			···				effected filtered. Fig. 1000 height filter constructing of magnitude angular great and delicate ware. As			ground level;	
										invasive	
							And the second s			groundcover	the resident annual to the second

# SPECIMEN TREE IDENTIFICATION LIST

٠.	,	BOTANICAL NAME/ COMMON NAME	TRUNK Ø (d.b.h.)	TREE HEIGHT	TREE CANOPY	TREE CONDITION	TO BE RETAINED
	1.	Quercus alba WHITE OAK	34"	60'-70'	40'	GOOD	NO
	2.	Quercus alba WHITE OAK	36"	60'-70'	40'	GOOD	МО
	3.	Quercus rubra NORTHERN RED OAK	40"	65'-75'	40'- 50'	FAIR	NO
	4.	<i>Morus alba</i> WHITE MULBERRY	31*	60'-70'	25'- 35'	POOR	NO
	5.	Quercus velutina BLACK OAK	30"	90'-100'	40'-60'	POOR	NO



NOTE INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF THE START OF EXCAVATION, CONTAC MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY BEFORE PROCEEDING WITH CONSTRUCTION

# LANDSCAPE DETAILS MISSION PLACE

Clethra ainifolia 'Ruby Spice'

RUBY SPICE PEPPERSWEET

Abelia x. grandiflora 'Little Richard

LITTLE RICHARD ABELIA

PHASE II, PARCEL B, PLAT # 19854-19858 OFFICE BUILDING

2'-2 1/2' HT

2 1/2'-3' HT

CONT.

CONT.

Checked by:

**6TH ELECTION DISTRICT** 

W&S CONTRACT: 24-4402-D HOWARD COUNTY, MARYLAND

203 PERRY PARKWAY, SUITE 1 GAITHERSBURG, MARYLAND 20877 PHONE. 301.948.8300 FAX. 301.258.7607

OWNER / DEVELOPER: MISSION ROAD INVESTORS, LLC c/o THE DOLBEN COMPANY, INC. 2600 MIDWAY BRANCH DR, 2nd FL ODENTON, MD 21113 CONTACT: MATTHEW BITAR PH: 301.912.3600 FX: 301.912.3400

CAC-CL NA NONE NA x Map Grid & Parcel: HO-827 WP-06-096 SDP-07-101 AA-06-016 SDP-07-104 MAP 43, GRID 14 MAY 2008

