

CONSTRUCTION PLANS

MAPLE LAWN FARMS

WESTSIDE DISTRICT - AREA 2

LOTS 1 thru 67, OPEN SPACE LOT 68
COMMON OPEN AREAS 69 thru 71
and NON-BUILDABLE BULK PARCELS 'Q' thru 'T'

GENERAL NOTES:

- ZONING: SITE IS BEING DEVELOPED UNDER MXD-3 REGULATIONS, PER ZB9495M, APPROVED ON 2/8/01 AND ZB-1039M APPROVED 03/20/06 AND THE COMPREHENSIVE ZONING PLAN DATED 02/02/04. UNDERLYING ZONING IS RR-DEO AND THE COMP LITE ZONING REGULATION AMENDMENTS DATED 07/28/06.
- THE PREVIOUS DEPARTMENT OF PLANNING AND ZONING FILE NUMBERS: 5-01-17, 5-06-16, ZB-9495M, ZB-1039M, PB-353, PB-378, NP-01-11, NP-03-02, NP-05-12, NP-07-122, NP-08-04, P-02-12, P-01-10, F-08-54, F-08-55, F-08-56, F-08-57, F-11-11, SDF-08-59, SDF-08-59A, SDF-08-59B, SDF-08-14, SDF-04-60, SDF-10-02, SDF-01-43, F-08-105, F-04-16, F-04-41 AND NP-02-54.
- THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS HANOVERS HAVE BEEN APPROVED.
- THE CEMETERY INVENTORY MAPS DO NOT SHOW ANY CEMETERIES WITHIN THE PROJECT LIMITS. THE EXISTING CEMETERY ONCE LOCATED ON THE NESSEL PROPERTY WAS RELOCATED UNDER NP-05-12.
- THE SCENIC ROADS MAP DOES NOT INDICATE ANY SCENIC ROADS WITHIN OR ADJACENT TO THE PROJECT LIMITS.
- THIS PROPERTY WAS BROUGHT INTO THE METROPOLITAN DISTRICT ON JULY 2, 2007.
- THIS AREA OF DEVELOPMENT HAS BOTH PUBLIC AND PRIVATE ROADS, WHICH HAVE BEEN DENOTED ON THE PLAN.
- SITE ANALYSIS
GROSS SITE AREA FOR PHASES 1 THROUGH 8: 360.23 Acres ±
AREA OF THIS PLAN SUBMISSION: 14.26 Acres ±
DISTURBED AREA: 14.5 Acres ±
AREA OF OPEN SPACE: 0.67 Acres ±
AREA OF 100 YR FLOODPLAIN: 0.0 Acres ±
AREA OF ROADWAY (PUBLIC): 3.25 Acres ±
AREA OF ROADWAY (PRIVATE): 1.24 Acres ±
AREA OF RESIDENTIAL LOTS: 3.15 Acres ±
AREA OF OR LOTS/PARCELS: 3.15 Acres ±
AREA OF SPA LOTS: 0.0 Acres ±
TOTAL UNITS PER S-06-16 ALLOCATIONS: 160 Units
TOTAL NUMBER OF LOTS / PARCELS (THIS PLAN SUBMISSION): 75 Lots
NO. OF OPEN SPACE LOTS: 4 Lots
NO. OF (SDF) LOTS: 67 Lots
NO. OF NON-BUILDABLE PARCELS: 4 Parcels
AREA OF NON-BUILDABLE PARCELS: 10.32 Acres ±
OPEN SPACE REQUIREMENTS:
MINIMUM OPEN SPACE REQUIREMENT FOR PROJECT IS 35%:
TOTAL OPEN SPACE REQUIRED: 6.45 Acres ± (35.0%)
TOTAL OPEN SPACE PROVIDED: 0.67 Acres ± (9.4%)
RECREATIONAL OPEN SPACE REQUIRED: 0.70 Acres ±
RECREATIONAL OPEN SPACE PROVIDED: 0.67 Acres ±
(SEE CHART-SHEET 2)

GENERAL NOTES (cont.):

- MINIMUM BUILDING SETBACK RESTRICTIONS FROM PUBLIC ROADS AND PROPERTY LINES WILL BE PROVIDED IN ACCORDANCE WITH THE COMPREHENSIVE DEVELOPMENT CRITERIA APPROVED FOR THIS PROJECT UNDER 5-06-16, PB-378 AND ZB-1039M.
 - ALL BUFFERING AND OTHER LANDSCAPING REQUIREMENTS/FEATURES WILL BE PROVIDED AT THE SITE DEVELOPMENT PLAN STAGE AND/OR THE FINAL PLAN STAGE AND WILL BE PROVIDED IN ACCORDANCE WITH THE COMPREHENSIVE SKETCH PLAN CRITERIA.
 - ALL PRIVATE UTILITIES SHALL BE THE RESPONSIBILITY OF THE HOMEOWNER'S ASSOCIATION.
 - STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II. IT WAS DETERMINED THAT THIS PROJECT MET THE CRITERIA OUTLINED IN THE MDE STORMWATER MANAGEMENT REGULATIONS GUIDANCE FOR IMPLEMENTATION OF ACCEPTANCE OF THE 2000 DESIGN CRITERIA AND THROUGH THE ADMINISTRATIVE WAIVER PROCESS, WAS GRANTED A WAIVER. THIS PLAN RECEIVED COMPREHENSIVE SKETCH PLAN APPROVAL (S-06-16) ON JANUARY 25, 2007. THIS PLAN IS ALSO SUBJECT TO THE EXPIRATION OF THIS WAIVER (UNLESS ALL OF THE STORMWATER MANAGEMENT IS CONSTRUCTED BY MAY 4, 2011).
 - ALL STORM DRAINS OUTSIDE OF PUBLIC RIGHT OF WAYS SHALL BE PRIVATELY OWNED AND MAINTAINED.
- On May 21, 2012 the Planning Board approved a request to redline these construction drawings to add an open air multi-purpose recreation court, a plaza, walkway & landscaping to this plan. See plan sheets 10, 12, 13, 14 and 16 for details.*

- EXCESS OPEN SPACE AREA FROM PREVIOUS PHASES IS BEING USED TO FULFILL THE MINIMUM OPEN SPACE REQUIREMENT FOR THIS PHASE.
- THE 160 UNITS WILL BE BROUGHT INTO THE PROJECT AS FOLLOWS:
12 FROM THE HILLSIDE DISTRICT (F-11-27)
67 FROM THE WESTSIDE DISTRICT (THIS PLAN, F-12-20)
81 FROM THE MIDTOWN WEST DISTRICT (F-12-24)
- THE AREA WITHIN THE LIMITS OF THIS PLAN SUBMISSION WAS MASS GRADED UNDER F-08-55. THEREFORE, 'C' SOILS WERE ASSIGNED FOR THE DESIGN.
- CONTOURS SHOWN WERE TAKEN FROM AERIAL TOPOGRAPHY PREPARED DURING MARCH 1991 BY 301 AND THEN UPDATED BY CHECKS PERFORMED BY GUTSCHICK, LITTLE & WEBER, P.A. AND BASED ON F-08-55. BOUNDARY INFORMATION SHOWN IS BASED UPON A FIELD SURVEY PREPARED BY GUTSCHICK, LITTLE, AND WEBER, P.A. ON OR ABOUT JUNE, 2001.
- WETLAND DELINEATION BY EXPLORATION RESEARCH, INC. APPROVED BY THE CORPS OF ENGINEERS, D 63181-3 ON 03/15/06. NOTICE OF INTENT TO ISSUE A PERMIT IS COVERED BY MDE TRACKING #01-NF-034422005421.
- THE 100-YEAR FLOOD PLAIN LIMITS WERE DETERMINED BY THE FLOODPLAIN STUDY PREPARED BY GUTSCHICK, LITTLE AND WEBER, P.A. AS PART OF F-03-01 AND P-07-18.
- HORIZONTAL AND VERTICAL DATUM IS BASED ON HOWARD COUNTY STATION 46BC AND 46BD.
- EXISTING UTILITIES WERE TAKEN FROM AVAILABLE HOWARD COUNTY RECORDS.
- PUBLIC WATER AND SEWER TO BE UTILIZED:
EXISTING WATER CONTRACT NUMBER: 24-4521-D, 24-4062-D, 24-4701-D
EXISTING SEWER CONTRACT NUMBER: 24-4448-D, 24-4062-D, 24-4701-D
- TRAFFIC STUDY WAS PREPARED AND SUBMITTED AS PART OF 5-06-16, WHICH WAS SIGNED BY THE PLANNING BOARD ON 02/20/07.
- PERENNIAL STREAM BUFFERS ARE DETERMINED BY LAND USE ADJOINING THE OPEN SPACE (I.E. EMPLOYMENT = 50' BUFFER, RESIDENTIAL = 75' BUFFER). ALL USES ADJOINING AN INTERMITTENT STREAM = 50' BUFFER.
- STORMWATER MANAGEMENT, BOTH QUALITY AND QUANTITY, FOR THE DEVELOPMENT PROPOSED BY THESE PLANS WILL BE SATISFIED BY TWO EXISTING REGIONAL FACILITIES. THE FACILITIES WERE CONSTRUCTED UNDER F-05-12 AND F-08-55. THE EXISTING FACILITY ON OPEN SPACE LOT 3 WILL BE PRIVATELY OWNED AND MAINTAINED. THE EXISTING FACILITY ON OPEN SPACE LOT 60 WILL BE PRIVATELY OWNED AND MAINTAINED BY THE BUSINESS OWNERS ASSOCIATION. THE RECHARGE REQUIREMENTS FOR THIS DEVELOPMENT WILL BE PRIVATELY OWNED AND MAINTAINED FACILITIES, ONE ON OPEN SPACE LOT 68 AND ONE WITHIN PARCEL C-21. THE FACILITY ON PARCEL C-21 WILL BE SHOWN ON A FUTURE SITE DEVELOPMENT PLAN.
- THE RESIDENTIAL LOTS, PARCELS AND EMPLOYMENT USE STRUCTURES DEVELOPED OR PROPOSED ON THE ORIGINAL 507 ACRE TRACT FOR MAPLE LAWN FARMS ARE GRANDFATHERED TO THE FOURTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AS DEVELOPED UNDER S-01-17, PB CASE 353 AND ZB CASE NO. 949M. HOWEVER, THE PROPOSED RESIDENTIAL AND EMPLOYMENT USES THAT ARE TO BE DEVELOPED UNDER THE AMENDED CSP 5-06-16 AND ZB CASE NO. 1039M FOR THE FORMER NESSEL AND OLIVER PROPERTIES ARE SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL NO. 45-2009 AND THE ZONING REGULATIONS PER COUNCIL BILL NO. 75-2003.
- AS STATED IN THE DECISION AND ORDER FOR THIS PLAN, THE PLANNING BOARD SHALL REVIEW AND APPROVE SITE DEVELOPMENT PLANS FOR ALL SINGLE FAMILY ATTACHED AND MULTI-FAMILY RESIDENTIAL USES, AND ALL EMPLOYMENT AND OPEN SPACE USE DEVELOPMENT FOR THE SUBJECT MAPLE LAWN FARMS PROJECT. ALL OF THE IMPROVEMENTS THERE NECESSARY FOR THE MAPLE LAWN FARMS PROJECT TO BE IN COMPLIANCE WITH THE FINDINGS TEST EVALUATION RESTRICTIONS ENUNCIATED BY THE ZONING BOARD ON PAGE 22-23 OF ITS DECISION ON THE PDP HAVE BEEN CONSTRUCTED.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, OR PLACEMENT OF NEW STRUCTURES IS PERMITTED WITHIN LIMITS OF WETLANDS, STREAMS OR THEIR REQUIRED BUFFERS, AND 100 YEAR FLOOD PLAIN AREAS, EXCEPT AS PERMITTED UNDER NP-02-54, NP-03-02, AND NP-03-120.
- OPEN SPACE LOTS MAY CONTAIN ACTIVE RECREATIONAL FACILITIES AS ALLOWED BY THE APPROVED COMPREHENSIVE DEVELOPMENT CRITERIA.
- PHASING FOR THIS PROJECT IS IN ACCORDANCE WITH THE DECISION AND ORDER FOR ZONING BOARD CASE NO. ZB-9495M & ZB-1039M AND THE DECISION AND ORDER FOR PB CASE NO. 353 (COMPREHENSIVE SKETCH PLAN, S-01-17) AND NO. 378 (COMPREHENSIVE SKETCH PLAN, S-06-16) AND THE DPZ AFPO RE-PHASING LETTER DATED JULY 8, 2008.
- DEVELOPMENT FOR THIS PHASE WILL BE DONE IN ACCORDANCE WITH THE COMPREHENSIVE DEVELOPMENT CRITERIA APPROVED WITH S-01-17, S-06-16, PB-353, AND PB-378.
- THE TRANSPORTATION AND TRANSIT DESIGN WILL BE IMPLEMENTED AS OUTLINED IN THE PETITIONER'S EXHIBIT 55 AS SUBMITTED AS PART OF ZB9495M.
- A NOISE STUDY WAS PREPARED BY HILLMAN & ASSOCIATES FOR S-01-17, APPROVED BY PLANNING BOARD ON AUGUST 8, 2001, AND UPDATED BY HILSON T. BALLARD COMPANY IN MAY 2006 FOR S-06-16 (APPROVED BY PLANNING BOARD ON FEBRUARY 20, 2007).
- THERE ARE NO MODERATE INCOME HOUSING UNITS WITHIN THE LIMITS OF THIS SUBMISSION.
- FOR SOIL TYPES, DESCRIPTIONS AND LIMITATIONS, SEE S-01-17, AND S-06-16.
- THE FOREST CONSERVATION REQUIREMENTS PER SECTION 16.02(2) OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL FOR PHASE B OF THIS PROJECT HAVE BEEN PROVIDED UNDER F-08-54. NO FOREST CONSERVATION SURETY IS NECESSARY WITH THIS SUBMISSION.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. J. ... 2-21-12
Chief, Bureau of Highways

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
W. J. ... 3/6/12
Chief, Division of Land Development

W. J. ... 5/7/12
Chief, Development Engineering Division

GLWGUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

| DATE | REVISION | BY | APP'R. |
|------------|---|-----|--------|
| 2010-06-01 | Added general note 30 for Planning Board's approval | klp | DEW |
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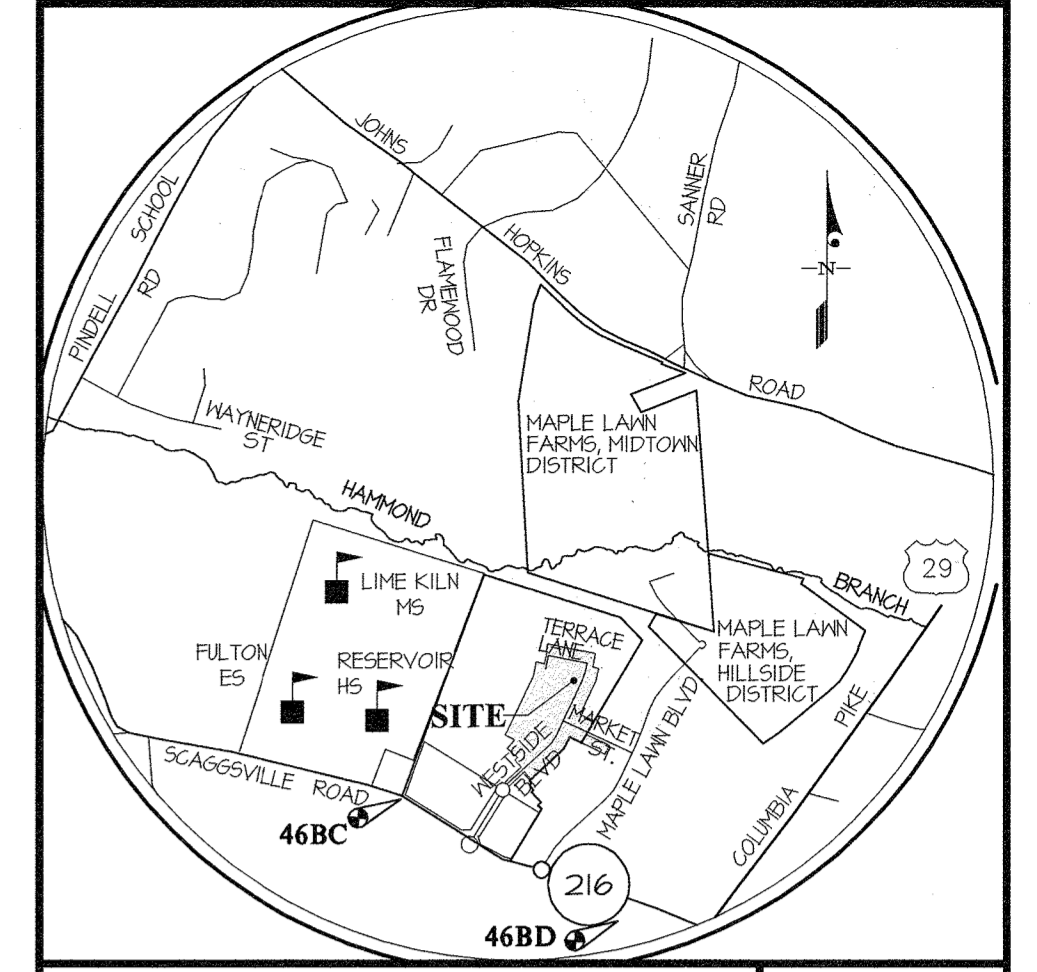
PREPARED FOR:
GREENBAUM DEVELOPMENT, INC
SUITE 300 WOODHOLME CENTER
1829 REISTERSTOWN ROAD
BALTIMORE, MD 21208
ATTN: MARK BENNETT
410-484-8400

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS 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. 12972, EXPIRATION DATE: MAY 26, 2012
2-2-12



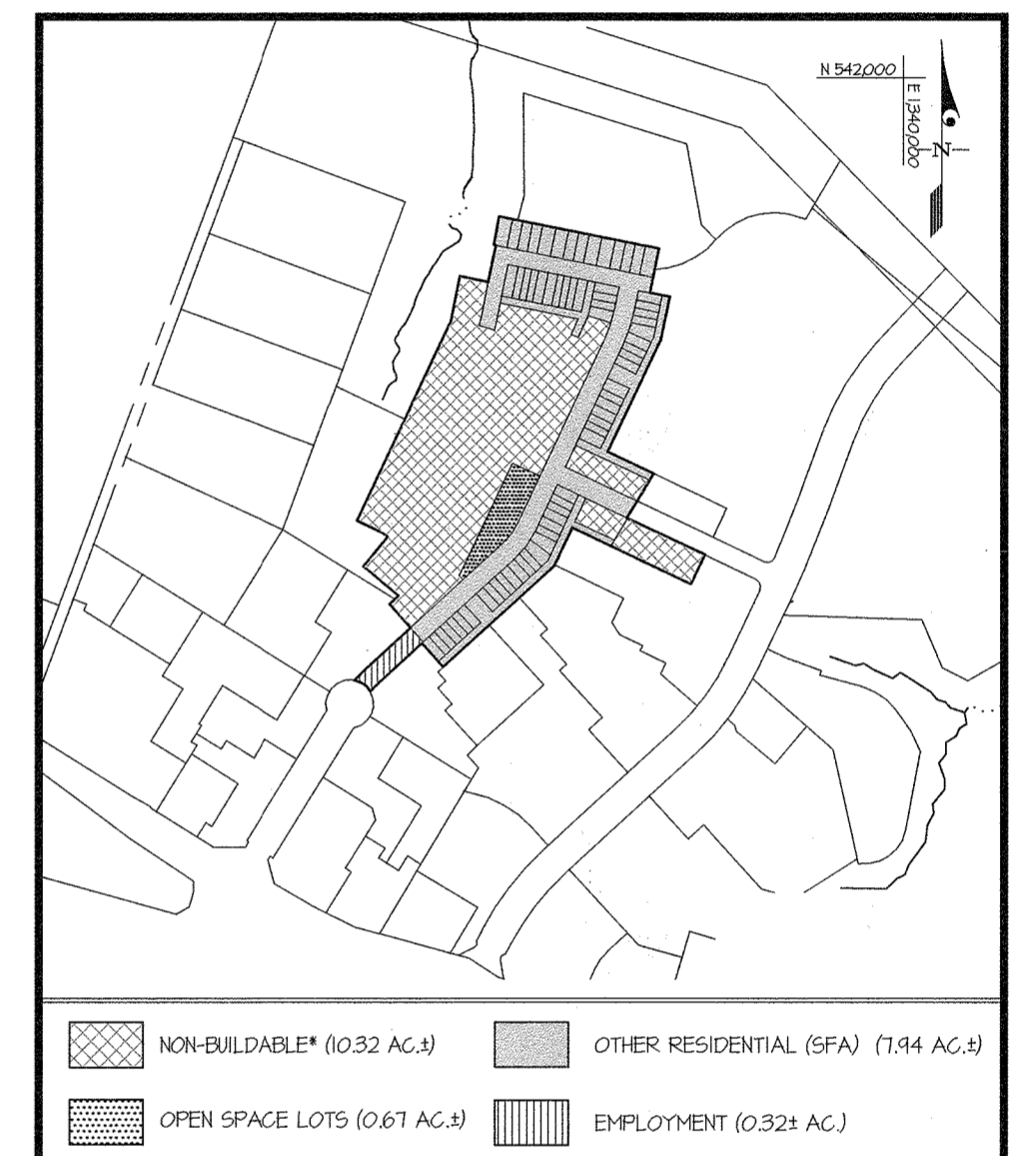
COVER SHEET
MAPLE LAWN FARMS
WESTSIDE DISTRICT - AREA 2
WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, OS. LOT 68, C.O.A. LOTS 69 thru 71
AND NON-BUILDABLE BULK PARCELS 'Q' THRU 'T'
WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE NO. |
|---------------|----------------|-------------------|
| AS SHOWN | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 1 OF 22 |



BENCHMARKS

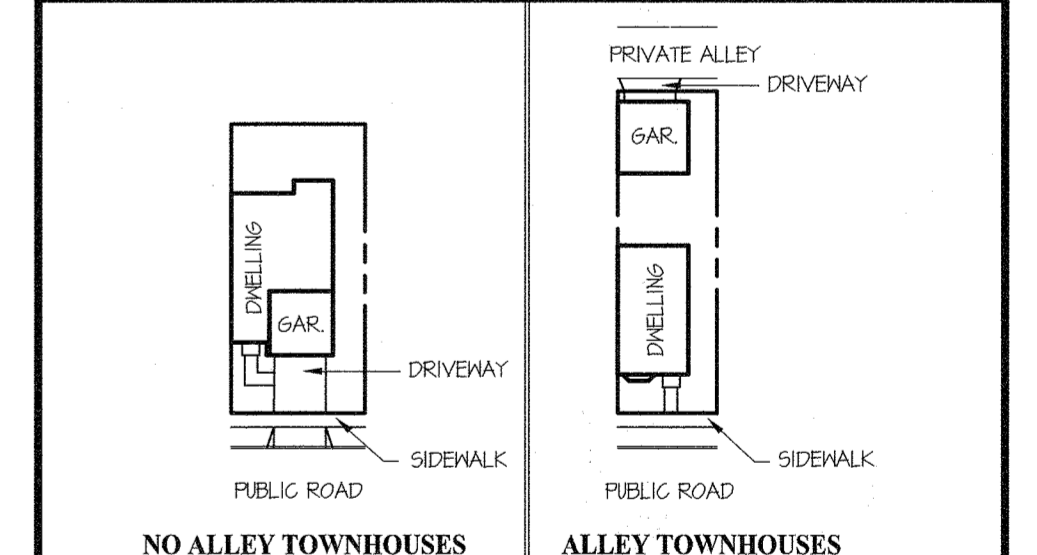
| | |
|--|---|
| 46BC ELEV. = 472.16 N = 5349251.3 E = 1391205.11 STANDARD DISC. ON CONCRETE MONUMENT | 46BD ELEV. = 431.7 N = 536656.76 E = 1391461.55 STANDARD DISC. ON CONCRETE MONUMENT |
|--|---|



LAND USE MAP
SCALE: 1" = 600'

NON-BUILDABLE (10.32 AC.) OTHER RESIDENTIAL (SFA) (1.44 AC.)
OPEN SPACE LOTS (0.67 AC.) EMPLOYMENT (0.32 AC.)

*NON-BUILDABLE ACREAGE INCLUDES ACREAGE WHICH WILL BE CONVERTED TO SINGLE FAMILY ATTACHED, COMMON OPEN AREAS AND OPEN SPACE LAND USES IN THE FUTURE.



TOWNHOUSE TYPICAL FOOTPRINT SCALE: 1" = 60'

| LOT INFORMATION | | | |
|------------------------------------|--------|---------------------------------------|------------------------------|
| LOT TYPE | LOTS | MINIMUM LOT SIZE & WIDTH AT FRONT BR. | MINIMUM SETBACK REQUIREMENTS |
| TOWNHOUSE (OR - OTHER RESIDENTIAL) | 1 - 67 | SEE SHEET 2 | SEE SHEET 2 |

THE LIMITS OF THIS FINAL PLAN COVERS PART OF THE DEVELOPMENT PROPOSED BY S-06-16 AS ANNUAL PHASE 8b (ALLOCATION YEAR 2013)

SUMMARY OF DEVELOPMENT CRITERIA (PER S-06-16)

OPEN SPACE (OS)

PERMITTED USES
 ANY USE WHICH DOES NOT INVOLVE ANY EXTENSIVE COVERAGE OF LAND WITH STRUCTURES, INCLUDING, BUT NOT LIMITED TO, PARKS, PLAYING FIELDS, PLAYGROUNDS, TENNIS, BASKETBALL, AND ALL PURPOSE COURTS, GOLF COURSES, POOLS, PATHWAYS, ANY OTHER OUTDOOR RECREATIONAL USES, AND ENVIRONMENTAL FACILITIES SUCH AS STORM WATER MANAGEMENT FACILITIES OR WATER QUALITY FACILITIES. IN ADDITION, BUILDINGS AND PARKING LOTS SHALL BE PERMITTED IF THEY ARE FOR THE PUBLIC OR FOR RESIDENTS AND PEOPLE WORKING WITHIN THE SUBJECT PROPERTY AND ARE OWNED BY A HOMEOWNERS' OR BUSINESS OWNERS' ASSOCIATION, OR ARE FOR NON-PROFIT USES, SUCH AS A SCHOOL, LIBRARY, FIRE AND RESCUE STATION, POST OFFICE, MUSEUM, ART GALLERY, NATURE CENTER, OR COMMUNITY BUILDING. ARE FRINGING AREAS PERMITTED ONLY AS ACCESSORY USE TO AN APPROVED USE ON THE SAME LOT. OPEN LAND WITHIN DESIGNATED RESIDENTIAL LAND USE AREAS SHALL BE CONSIDERED OPEN SPACE IF IT IS HELD FOR THE COMMON USE OF PERSONS RESIDING IN THE VICINITY OF SUCH LAND.

OTHER PERMITTED USES:

- PUBLIC OR PRIVATE CHILD CARE CENTER.
- COMMUNITY CENTER FOR COMMUNITY ACTIVITIES INCLUDING BUT NOT LIMITED TO:
 - PRESENTATION AND PERFORMANCE OF OUTDOOR COMMUNITY ACTIVITIES, PUBLIC OR PRIVATE, SUCH AS MUSICAL AND THEATRICAL PERFORMANCES, OUTDOOR PICNICS, ART SHOWS, AND CARNIVALS.
 - BUSINESS SALES, WHITE ELEPHANT SALES, CAKE SALES, DANCES, AND SIMILAR ACTIVITIES.
 - OPERATION OF A COMMUNITY HALL INCLUDING LEASING OF SAME FOR PUBLIC OR PRIVATE USE.
- PUBLIC OR OPERATION OF INCIDENTAL COMMERCIAL ACTIVITIES SUCH AS A SNACK BAR.
- PUBLIC OR PRIVATE TENNIS COURTS, TOGETHER WITH SUCH INCIDENTAL COMMERCIAL ACTIVITIES AS ARE CONSISTENT WITH PRIMARY USE OF THE LOT AS A TENNIS FACILITY.
- BUILDINGS AND PARKING LOTS WHICH ARE OWNED AND USED BY ANY GOVERNMENTAL ENTITY OR HOMEOWNERS' ASSOCIATION OR ARE USED FOR NON-PROFIT PURPOSES INCLUDING BUT NOT LIMITED TO:
 - COMMUNITY LIBRARY FACILITY.
 - TEEN CENTER BUILDING INCLUDING INCIDENTAL SALES ON THE PREMISES OF FOOD AND BEVERAGES.
 - BUILDINGS USED PRIMARILY FOR RELIGIOUS ACTIVITIES.
 - HALL ROOM POST OFFICE, POOL HOUSE, MEETINGS HALL, EXERCISE FACILITY, LEASING OFFICES, ADMINISTRATIVE OFFICES, INCLUDING INCIDENTAL SALES ON THE PREMISES OF FOOD AND BEVERAGES.
- PARK STRUCTURES INCLUDING BUT NOT LIMITED TO GAZEBOS, PAVILIONS, AMPHITHEATER SEATING, DECKS, FOUNTAINS, WALKS, HARDSCAPE PLAZAS, TRAILS, PATIOS, ETC.
- UTILITY FACILITIES
- ENVIRONMENTAL FACILITIES SUCH AS DRAINAGE, STORMWATER MANAGEMENT FACILITIES, WETLAND RESTORATION, AFForestation OR REFORESTATION.
- ACTIVITY AREAS SUCH AS TOT LOTS, VOLLEYBALL AND MULTI-PURPOSE COURTS, PICNIC AREAS, ETC.
- SIGN AND ENTRY FEATURES MAY BE LOCATED AT ANY LOCATION IN A SETBACK, IF APPROVED BY THE PLANNING BOARD AND DOES NOT INTERFERE WITH SIGHT DISTANCE ALONG PUBLIC ROADS.

LOT AREA

NO MINIMUM MAXIMUM LOT SIZES APPLY WITHIN OPEN SPACE LAND USE AREAS EXCEPT THAT 35% OF THE GROSS ACRES OF ALL RECORDED LAND MUST BE OPEN SPACE AND 10% OF THE OPEN SPACE MUST BE AVAILABLE FOR ACTIVE RECREATION.

SETBACKS

BUILDINGS OR STRUCTURES WITHIN OPEN SPACE LAND USE AREAS SHALL BE A MINIMUM OF 10' FROM ANY RIGHT-OF-WAY OR PROPERTY LINE, EXCEPT THAT PARK LIKE STRUCTURES SUCH AS GAZEBOS, PAVILIONS, BENCHES, FOUNTAINS AND SIMILAR STRUCTURES MAY BE LOCATED ANYWHERE WITHIN AN OPEN SPACE LOT, EXCEPT, HOWEVER, STRUCTURES SHALL NOT BE PERMITTED ANYWHERE WITHIN OPEN SPACE LAND USE AREAS IN ACCORDANCE WITH A SITE DEVELOPMENT PLAN APPROVED BY THE HOWARD COUNTY PLANNING BOARD.

HEIGHT

THERE SHALL BE NO HEIGHT LIMITATIONS FOR BUILDINGS OR STRUCTURES IN OPEN SPACE LAND USE AREAS, PROVIDED IMPROVEMENTS ARE CONSTRUCTED IN ACCORDANCE WITH A SITE DEVELOPMENT PLAN APPROVED BY THE HOWARD COUNTY PLANNING BOARD.

COVERAGE

NO COVERAGE REQUIREMENT IS IMPOSED UPON LOTS WITHIN OPEN SPACE LAND USE AREAS.

PARKING

- HEALTH CLUB: 10.0 SPACES PER 1000 SQUARE FEET OF NET LEASABLE AREA
- SWIMMING POOL, COMMUNITY: 1.0 SPACE PER SEVEN PERSONS PERMITTED IN THE POOL AT ONE TIME BY THE HEALTH DEPT.
- TENNIS COURT: 2.0 SPACES PER COURT

SUCH PARKING AREAS MAY BE IN PARKING LOTS, PARALLEL SPACES LOCATED ON PAVED AREAS IN AND/OR ADJACENT TO PUBLICLY MAINTAINED ROADWAYS, ADJACENT TO PUBLIC OR PRIVATE SERVICE DRIVES OR ORIENTED DIAGONALLY OR AT RIGHT ANGLES TO SUCH ROADWAYS OR SERVICE DRIVES.

REDUCTIONS IN PARKING REQUIREMENTS ARE PERMITTED PURSUANT TO THE HOWARD COUNTY ZONING REGULATIONS SECTIONS 133.D (PARKING STUDIES), AND 133.E (SHARED PARKING).

ACCESSORY USES

ANY USE NORMALLY AND CUSTOMARILY INCIDENTAL TO ANY USE PERMITTED IN ANY LAND USE AREA SHALL BE PERMITTED.

SINGLE FAMILY DETACHED (SFD)

PERMITTED USES
 ALL LOTS WITHIN SINGLE FAMILY DETACHED LAND USE AREAS SHALL BE USED ONLY FOR ONE SINGLE FAMILY DETACHED DWELLING, OR ONE ZERO LOT LINE DWELLING UNIT PER LOT. PRIVATE RECREATIONAL FACILITIES, SUCH AS SWIMMING POOLS, TENNIS COURTS AND BASKETBALL COURTS RESERVED FOR THE ON-SITE RESIDENTS AND THEIR GUESTS ARE ALSO PERMITTED. ACCESSORY STRUCTURES AND ACCESSORY USES ARE ALSO PERMITTED.

ANY OF THE PERMITTED USES MAY INCLUDE HOME OCCUPATIONS WITHIN THE PRINCIPAL STRUCTURE.

THE FOLLOWING ADDITIONAL USES NOT REFERRED TO OR INCLUDED IN THE ABOVE USES, WHICH ARE ALLOWED BY SPECIAL EXCEPTION IN THE RR DISTRICT, WILL BE PERMITTED AS A MATTER OF RIGHT IN THE SINGLE FAMILY DETACHED LAND USE AREAS, AND ARE SPECIFICALLY APPROVED BY THE PLANNING BOARD ON THIS AMENDED COMPREHENSIVE SKETCH PLAN.

- ANTIQUE SHOPS, ART GALLERIES AND CRAFT SHOPS
- BED AND BREAKFAST INN
- CONCERT OR RECITAL ESTABLISHMENTS
- HOME OCCUPATIONS (ALSO SEE SECTION 126.C.1 FOR ACCESSORY USE PROVISIONS)
- CHARITABLE AND PHILANTHROPIC INSTITUTIONS
- HOVES-NURSING HOMES, GROUP CARE FACILITIES, CHILDREN'S HOMES
- ATHLETIC FACILITIES-ATHLETIC FIELDS, COMMERCIAL OR COMMUNITY SWIMMING POOLS, TENNIS CLUBS AND SIMILAR USES
- COUNTRY CLUBS AND GOLF COURSES
- PUBLIC UTILITY USES, LIMITED TO: (A) UTILITY SUBSTATION, (B) ABOVE GROUND PIPELINES, (C) PUMPING STATIONS, (D) TELEPHONE EXCHANGES, (E) OTHER UTILITY DEVICES SUCH AS TRANSFORMERS, SWITCH GEAR, TELEPHONE CABINETS, ETC.
- ENTRANCE FEATURES FOR SUBDIVISIONS
- ACCESSORY DWELLING UNITS (SUCH UNITS SHALL NOT COUNT TOWARDS THE MAXIMUM NUMBER OF DWELLING UNITS, SUCH UNITS SHALL BE OWNED AND MAINTAINED BY THE OWNER OF THE PRINCIPAL DWELLING UNIT, ALSO SEE SECTION 100).

FOR ALL LOTS AND PARCELS WHICH ARE TECHNICALLY IN THE SFD LAND USE, BUT LATER RECORDED AS ADDITIONAL OPEN SPACE (E.G. NCOS & WALKWAY PARCELS) THE PROVISIONS OF THE OPEN SPACE CRITERIA SHALL BE USED IN LIEU OF THE SFD CRITERIA.

DENSITY

AVERAGE DENSITY SHALL NOT EXCEED 2.8 DWELLING UNITS PER GROSS ACRE BASED ON THE ENTIRE AREA OF THE SINGLE FAMILY DETACHED LAND USE.

SUMMARY OF DEVELOPMENT CRITERIA (CONTINUED)

LOT SIZE AND WIDTH

| LOT TYPE | MINIMUM LOT SIZE | MIN. LOT WIDTH AT FRONT BLD. |
|----------|-------------------|------------------------------|
| Cottage | 2500 Square Feet | 32' |
| Manor | 4000 Square Feet | 40' |
| Villa | 5400 Square Feet | 54' |
| Estate | 20200 Square Feet | 120' |

*EXCEPT FOR LOTS IDENTIFIED ON AMENDED CSP, WHICH SHALL NOT BE LESS THAN 100' AT FRONT BLD.

LOT TYPE SHALL BE DESIGNATED ON FINAL PLATS FOR ALL SINGLE FAMILY DETACHED AREAS. ESTATE LOTS SHALL BE LOCATED AS SHOWN ON THIS PLAN.

STRUCTURE SETBACKS

THE MINIMUM REQUIRED SETBACKS FOR SINGLE FAMILY DETACHED STRUCTURES SHALL BE AS FOLLOWS:

| LOT TYPE | MIN. FRONT SETBACK | MIN. SIDE SETBACK | MINIMUM REAR SETBACK | |
|----------|--------------------|--|------------------------|---|
| | | | TO PRINCIPAL STRUCTURE | TO REAR GARAGE (ATTACHED OR DETACHED) OR TO ACCESSORY STRUCTURE |
| Cottage | 10' | 4' EXCEPT FOR GARAGE WHICH MAY BE 0' | 20' | 3' |
| Manor | 12' | 6' EXCEPT FOR GARAGE WHICH MAY BE 0' | 20' | 3' |
| Villa | 12' | 6' EXCEPT FOR GARAGE WHICH MAY BE 0' | 20' | 3' |
| Estate | 20' | 20' EXCEPT FOR GARAGE WHICH MAY BE 10' | 20' | 20' |

A ZERO LOT LINE DWELLING UNIT MAY BE LOCATED ON ANY PROPERTY LINE WHICH IS NOT A STREET RIGHT-OF-WAY PROVIDED THAT (1) NO PART OF THE DWELLING SHALL ENCRACH ON TO THE ADJOINING LOT, (II) AN ACCESS EASEMENT FOR THE PURPOSE OF MAINTENANCE TO THE SIDE OF THE STRUCTURE SHALL BE INCLUDED IN THE DEED WHERE APPROPRIATE. SPACING BETWEEN DWELLING UNITS SHALL BE A MINIMUM OF 8'. GARAGES HOWEVER, MAY ADJOIN ALONG THE PROPERTY LINE, PROVIDED THEY COMPLY WITH ALL BUILDING AND FIRE CODE REGULATIONS.

HABITABLE SPACE AND/OR OPEN ENCLOSED DECKS MAY BE BUILT OVER ATTACHED GARAGES. IN THOSE CASES, THE GARAGE SETBACKS SHALL GOVERN.

OTHER DECKS MUST BE A MINIMUM OF 10' FROM REAR PROPERTY LINE, AND ARE SUBJECT TO SIDE YARD SETBACKS.

FACING ACCESSORY STRUCTURES AND DETACHED GARAGES (ACROSS AN ALLEY/LANE ROW) SHALL BE A MINIMUM OF 30' APART.

STRUCTURES MAY BE LOCATED ANYWHERE WITHIN SUCH SETBACK AREAS IN ACCORDANCE WITH A SITE DEVELOPMENT PLAN APPROVED BY THE HOWARD COUNTY PLANNING BOARD.

EXCEPTIONS TO SETBACK REQUIREMENTS

- FORCES MAY ENCRACH INTO THE FRONT YARD TO WITHIN 2' FROM THE FRONT PROPERTY LINE OR RIGHT-OF-WAY FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES. PORCHES MAY ENCRACH INTO THE SIDE YARD OF CORNER LOTS TO WITHIN 2' FROM THE RIGHT-OF-WAY FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES. WHERE A SIDE YARD ABUTS AN OPEN SPACE OR PASSAGE, PORCHES MAY ENCRACH TO WITHIN 1' FROM THE SIDE PROPERTY LINE FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES.
- STOOPS AND STEPS MAY ENCRACH INTO THE FRONT AND SIDE YARDS TO WITHIN 1' FROM THE FRONT PROPERTY LINE.
- GARDEN WALLS, FENCES, PIERS, GATES AND SIMILAR ORNAMENTS MAY BE BUILT IN THE FRONT AND SIDE YARDS NOT CLOSER THAN 1' FROM THE FRONT PROPERTY LINE, NOT GREATER THAN 40" IN HEIGHT ALONG THE FRONT PROPERTY LINE AND NOT GREATER THAN 12" ALONG THE SIDE AND REAR PROPERTY LINES. AN ARCHWAY OR PIERS DEFINING A LEAD WALK MAY BE UP TO 9'.
- MASONRY VENEERS MAY ENCRACH A MAXIMUM OF SIX INCHES INTO ANY REQUIRED SETBACK AREA.

ACCESS

PERMANENT ACCESS TO LOTS MAY BE PROVIDED BY MEANS OF ALLEYS, USING PERPETUAL RECIPROCAL EASEMENTS OR OTHER ACCEPTABLE LEGAL PROVISIONS.

BUILDING HEIGHT

MAXIMUM BUILDING HEIGHT ON ALL LOTS SHALL BE 30' TO THE MIDPOINT OF THE ROOF. HEIGHT MEASURED FROM THE HIGHEST ADJOINING GROUND ELEVATION ADJACENT TO THE BUILDING, EXCEPT AS OTHERWISE APPROVED ON A SITE DEVELOPMENT PLAN BY THE HOWARD COUNTY PLANNING BOARD.

COVERAGE

LOT COVERAGE FOR ESTATE LOTS SHALL NOT EXCEED 50 PERCENT, INCLUDING PRINCIPAL AND ACCESSORY STRUCTURES BUT NOT INCLUDING SIDEWALKS, PAVED PARKING AREAS, DRIVEWAYS, PORCHES, STOOPS, STEPS, DECKS, PATIOS, IN-GROUND POOLS, LANDSCAPING AND SIMILAR STRUCTURES.

PARKING

NO LESS THAN TWO PARKING SPACES SHALL BE PROVIDED FOR EACH SINGLE FAMILY DETACHED DWELLING UNIT. NO LESS THAN ONE PARKING SPACE SHALL BE PROVIDED FOR EACH ACCESSORY DWELLING UNIT. SUCH SPACES MAY CONSIST OF GARAGE, DRIVEWAY AND/OR SIMILAR OFF-STREET PARKING SPACES. VISITOR PARKING AND OVERFLOW PARKING MAY BE ACCOMMODATED AS ON-STREET PARKING WITHIN THE PUBLIC RIGHT-OF-WAY.

REDUCTIONS IN PARKING REQUIREMENTS ARE PERMITTED PURSUANT TO THE HOWARD COUNTY ZONING REGULATIONS SECTION 133.E (SHARED PARKING).

OTHER RESIDENTIAL (OR)

PERMITTED USES

APARTMENT DWELLINGS (INCLUDING STACKED TOWNHOUSES AND OTHER ARCHITECTURAL LAYOUTS WITH BOTH HORIZONTAL AND VERTICAL PARTY WALLS), SINGLE-FAMILY ATTACHED DWELLINGS, LIVE-WORK UNITS, SEMI-DETACHED DWELLINGS AND TWO-FAMILY DWELLINGS SHALL BE PERMITTED WITHIN OTHER RESIDENTIAL LAND USE AREAS. MIDTOWN PARCEL A-1 AND THE OR AREA OF THE WESTSIDE DISTRICT MAY CONTAIN LIVE-WORK UNITS.

STACKED TOWNHOUSES HAVE THE APPEARANCE OF CONVENTIONAL TOWNHOUSES, BUT ARE ACTUALLY SEPARATED BOTH HORIZONTALLY AND VERTICALLY. THE UNITS MAY OR MAY NOT HAVE INTEGRAL AT-GRADE GARAGES.

LIVE-WORK UNITS ARE VERTICALLY INTEGRATED BUILDING TYPES, WHERE THE FIRST FLOOR (AND BASEMENT, IF PROVIDED) SHALL BE UTILIZED AS COMMERCIAL SPACE AND THE UPPER LEVEL(S) SHALL BE RESIDENTIAL USE ONLY.

UPPER FLOORS OF ALL OTHER RESIDENTIAL STRUCTURES SHALL BE RESIDENTIAL USE ONLY.

APARTMENT BUILDINGS TYPES MAY ALSO INCLUDE ACCESSORY USES, SUPPORT SERVICES, AND AMENITIES INCLUDING BUT NOT LIMITED TO EXERCISE FACILITY, ADMINISTRATIVE OFFICES, MAIL ROOM, MEETINGS ROOMS, ETC. WITH NO LIMITATIONS IN SIZE. COMMERCIAL RETAIL SPACE ON THE FIRST FLOOR OF AN APARTMENT BUILDING MAY NOT EXCEED 1200 SQUARE FEET OR 10% OF THE GROSS FIRST FLOOR AREA, WHICHEVER IS GREATER. THIS CRITERIA IS NOT MEANT TO PROHIBIT VERTICALLY INTEGRATED USES WHERE THE FIRST FLOOR IS COMMERCIAL/RETAIL AND THE UPPER FLOORS RESIDENTIAL.

OTHER PERMITTED USES INCLUDE PRIVATE RECREATIONAL FACILITIES SUCH AS TOT LOTS, SWIMMING POOLS, BASKETBALL COURTS AND TENNIS COURTS, RESERVED FOR THE USE OF A SPECIFIC PROJECT'S RESIDENTS AND THEIR GUESTS. SUCH FACILITIES MAY BE LOCATED WITHIN CONDOMINIUM DEVELOPMENTS AS WELL AS WITHIN COMMUNITIES WHERE ALL PROPERTIES ARE INCLUDED WITHIN RECORDED COVENANTS AND LIENS, WHICH GOVERN AND PROVIDE FINANCIAL SUPPORT FOR OPERATIONS OF THE FACILITIES.

ANY OF THE PERMITTED USES MAY INCLUDE HOME OCCUPATIONS WITHIN THE PRINCIPAL STRUCTURE.

ACCESSORY STRUCTURES AND USES ARE ALSO PERMITTED FOR ALL OTHER RESIDENTIAL LAND USE AREAS.

THE FOLLOWING ADDITIONAL USES NOT REFERRED TO OR INCLUDED IN THE ABOVE USES, WHICH ARE ALLOWED BY SPECIAL EXCEPTION IN THE RR DISTRICT, WILL BE PERMITTED AS A MATTER OF RIGHT IN THE OTHER RESIDENTIAL LAND USE AREAS, AND ARE SPECIFICALLY APPROVED BY THE PLANNING BOARD ON THIS AMENDED COMPREHENSIVE SKETCH PLAN.

- ANTIQUE SHOPS, ART GALLERIES AND CRAFT SHOPS
- BED AND BREAKFAST INN
- CONCERT OR RECITAL ESTABLISHMENTS
- HOME OCCUPATIONS (ALSO SEE SECTION 126.C.1 FOR ACCESSORY USE PROVISIONS)
- CHARITABLE AND PHILANTHROPIC INSTITUTIONS
- HOVES-NURSING HOMES, GROUP CARE FACILITIES, CHILDREN'S HOMES
- ATHLETIC FACILITIES-ATHLETIC FIELDS, COMMERCIAL OR COMMUNITY SWIMMING POOLS, TENNIS CLUBS AND SIMILAR USES
- COUNTRY CLUBS AND GOLF COURSES
- PUBLIC UTILITY USES, LIMITED TO: (A) UTILITY SUBSTATION, (B) ABOVE GROUND PIPELINES, (C) PUMPING STATIONS, (D) TELEPHONE EXCHANGES, (E) OTHER UTILITY DEVICES SUCH AS TRANSFORMERS, SWITCH GEAR, TELEPHONE CABINETS, ETC.
- ENTRANCE FEATURES FOR SUBDIVISIONS
- ACCESSORY DWELLING UNITS (SUCH UNITS SHALL NOT COUNT TOWARDS THE MAXIMUM NUMBER OF DWELLING UNITS, SUCH UNITS SHALL BE OWNED AND MAINTAINED BY THE OWNER OF THE PRINCIPAL DWELLING UNIT, ALSO SEE SECTION 100).

FOR ALL LOTS AND PARCELS WHICH ARE TECHNICALLY IN THE OR LAND USE, BUT LATER RECORDED AS ADDITIONAL OPEN SPACE (E.G. NCOS & WALKWAY PARCELS) THE PROVISIONS OF THE OPEN SPACE CRITERIA SHALL BE USED IN LIEU OF THE OR CRITERIA.

DENSITY

AVERAGE DENSITY SHALL NOT EXCEED 14.0 UNITS PER GROSS ACRE BASED ON THE ENTIRE AREA OF OTHER RESIDENTIAL LAND USE.

LOT SIZE

NO MINIMUM OR MAXIMUM LOT SIZE IS ESTABLISHED FOR THE OTHER RESIDENTIAL LAND USE AREAS.

SUMMARY OF DEVELOPMENT CRITERIA (CONTINUED)

STRUCTURE SETBACKS
 THE MINIMUM REQUIRED SETBACKS FOR OTHER RESIDENTIAL STRUCTURES SHALL BE AS FOLLOWS:

| LOT TYPE | MIN. FRONT SETBACK | MIN. SIDE SETBACK | MINIMUM REAR SETBACK | |
|------------------------|--------------------|---------------------------------------|------------------------|---|
| | | | TO PRINCIPAL STRUCTURE | TO REAR GARAGE (ATTACHED OR DETACHED) OR TO ACCESSORY STRUCTURE |
| SINGLE FAMILY ATTACHED | 0' | 0' | 20' | 3' |
| SEMI-DETACHED | 0' | 4' EXCEPT FOR GARAGE WHICH MAY BE 0' | 20' | 3' |
| TWO-FAMILY | 10' | 4' EXCEPT FOR GARAGE WHICH MAY BE 0' | 20' | 3' |
| APARTMENT | 10' | 10' EXCEPT FOR GARAGE WHICH MAY BE 0' | 20' | 20' |

HABITABLE SPACE AND/OR OPEN ENCLOSED DECKS MAY BE BUILT OVER ATTACHED GARAGES. IN THOSE CASES, THE GARAGE SETBACKS SHALL GOVERN. WHERE THE REAR LOT LINE IS CONTIGUOUS TO GREEN OPEN SPACE, THE REAR SETBACK FOR THE REAR PRINCIPAL STRUCTURE SETBACK MAY BE REDUCED TO 10' AND THE REAR SETBACK FOR DECKS MAY BE REDUCED TO 5'.

OTHER DECKS MUST BE A MINIMUM OF 10' FROM REAR PROPERTY LINE, AND ARE SUBJECT TO SIDE YARD SETBACKS.

FACING ACCESSORY STRUCTURES AND DETACHED GARAGES (ACROSS AN ALLEY/LANE ROW) SHALL BE A MINIMUM OF 30' APART.

BETWEEN APARTMENT BUILDINGS, THE MINIMUM SETBACK DISTANCES SHALL BE 30' FRONT TO FRONT, 50' BACK TO BACK, 50' FRONT TO BACK AND 15' FOR ALL OTHER CONDITIONS. BETWEEN SINGLE-FAMILY ATTACHED BUILDINGS, THE MINIMUM SETBACK DISTANCES SHALL BE 30' FRONT TO FRONT, 50' BACK TO BACK EXCEPT ACROSS AN ALLEY, 50' BACK TO FRONT AND 6' (OR AS REQUIRED BY THE BUILDING CODE) FOR ALL OTHER CONDITIONS.

IN THE HILLSIDE DISTRICT, THE FRONT AND SIDE SETBACKS FROM MAPLE LAWN BLVD. MAY BE REDUCED TO 5'. ON PARCEL A-1 IN MIDTOWN, THE FRONT SETBACK FOR APARTMENTS, ALONG MAPLE LAWN BLVD. MAY BE REDUCED TO 10'.

STRUCTURES MAY BE LOCATED ANYWHERE WITHIN SUCH SETBACK AREAS IN ACCORDANCE WITH A SITE DEVELOPMENT PLAN APPROVED BY THE HOWARD COUNTY PLANNING BOARD.

EXCEPTIONS TO SETBACK REQUIREMENTS

- FORCES MAY ENCRACH INTO THE FRONT YARD TO WITHIN 2' FROM THE FRONT PROPERTY LINE OR RIGHT-OF-WAY FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES. PORCHES MAY ENCRACH INTO THE SIDE YARD OF CORNER LOTS TO WITHIN 2' FROM THE RIGHT-OF-WAY FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES. WHERE A SIDE YARD ABUTS AN OPEN SPACE OR PASSAGE, PORCHES MAY ENCRACH TO WITHIN 1' FROM THE SIDE PROPERTY LINE FOR COTTAGES, MANORS, AND VILLAS; TO WITHIN 12' FOR ESTATES.
- STOOPS AND STEPS MAY ENCRACH INTO THE FRONT YARD TO WITHIN 1' FROM THE FRONT PROPERTY LINE OR RIGHT-OF-WAY FOR ALL OTHER RESIDENTIAL LOT TYPES.
- GARDEN WALLS, FENCES, PIERS, GATES AND SIMILAR ORNAMENTS MAY BE BUILT IN THE FRONT AND SIDE YARDS NOT CLOSER THAN 1' FROM THE FRONT PROPERTY LINE, NOT GREATER THAN 40" IN HEIGHT ALONG THE FRONT PROPERTY LINE AND NOT GREATER THAN 12" ALONG THE SIDE AND REAR PROPERTY LINES. AN ARCHWAY OR PIERS DEFINING A LEAD WALK MAY BE UP TO 9'.
- MASONRY VENEERS MAY ENCRACH A MAXIMUM OF 6" INTO ANY REQUIRED SETBACK AREA.

ACCESS

PERMANENT ACCESS TO LOTS MAY BE PROVIDED BY MEANS OF ALLEYS, USING PERPETUAL RECIPROCAL EASEMENTS OR OTHER ACCEPTABLE LEGAL PROVISIONS.

BUILDING HEIGHT

MAXIMUM BUILDING HEIGHT ON ALL LOTS SHALL BE 30' TO THE MIDPOINT OF THE ROOF. HEIGHT MEASURED FROM THE HIGHEST ADJOINING GROUND ELEVATION ADJACENT TO THE BUILDING, EXCEPT AS OTHERWISE APPROVED ON A SITE DEVELOPMENT PLAN BY THE HOWARD COUNTY PLANNING BOARD.

COVERAGE

NO COVERAGE REQUIREMENTS ARE IMPOSED IN OTHER RESIDENTIAL LAND USE AREAS.

PARKING

NO LESS THAN TWO PARKING SPACES SHALL BE PROVIDED FOR EACH SINGLE FAMILY ATTACHED, LIVE-WORK, SEMI-DETACHED, AND TWO-FAMILY DWELLING UNIT. NO LESS THAN ONE AND ONE-HALF PARKING SPACES SHALL BE PROVIDED FOR EACH APARTMENT UNIT. SUCH SPACES MAY CONSIST OF GARAGE, DRIVEWAY AND/OR SIMILAR OFF-STREET PARKING SPACES. NO LESS THAN ONE PARKING SPACE SHALL BE PROVIDED FOR EACH ACCESSORY DWELLING UNIT. SUCH PARKING SHALL BE PROVIDED IN PROXIMITY TO SUCH DWELLING UNIT AND MAY BE INCLUDED AS PART OF A COMMON PARKING AREA PROVIDED FOR RESIDENTS, TENANTS, AND GUESTS. FRINGING STRUCTURES SHALL BE NO CLOSER THAN 15' TO THE CURB OF COMMON PARKING AREAS WITH HEAD-IN OR ANGLED PARKING, AND NO CLOSER THAN 10' TO THE CURB FOR PARALLEL PARKING, UNLESS SUFFICIENT LANDSCAPING IS PROVIDED TO JUSTIFY A REDUCTION IN THE SETBACK, PER THE HOWARD COUNTY LANDSCAPE MANUAL. LIVE-WORK UNITS ARE EXEMPT FROM THIS SETBACK REQUIREMENT. VISITOR PARKING AND OVERFLOW PARKING MAY ALSO BE ACCOMMODATED AS ON STREET AND PARALLEL PARKING WITHIN THE PUBLIC RIGHT-OF-WAY.

SUCH PARKING AREAS MAY BE PARALLEL SPACES LOCATED ON PAVED AREAS IN AND/OR ADJACENT TO PUBLICLY MAINTAINED ROADWAYS, ADJACENT TO PUBLIC OR PRIVATE SERVICE DRIVES OR ORIENTED DIAGONALLY OR AT RIGHT ANGLES TO SUCH ROADWAYS OR SERVICE DRIVES.

REDUCTIONS IN PARKING REQUIREMENTS ARE PERMITTED PURSUANT TO THE HOWARD COUNTY ZONING REGULATIONS SECTION 133.E (SHARED PARKING).

HOUSING FOR THE ELDERLY AND/OR HANDICAPPED PERSONS

IN THE EVENT A FACILITY QUALIFIES UNDER FEDERAL, STATE OR COUNTY PROGRAMS INTENDED TO PROMOTE HOUSING FOR THE ELDERLY OR HANDICAPPED, THE PARKING REQUIREMENTS MAY BE MODIFIED TO PROVIDE FOR FOUR PARKING SPACES FOR EVERY TEN DWELLING UNITS PARTICIPATING IN SUCH PROGRAM. IN THE EVENT THE UNITS ARE WITHDRAWN FROM SUCH A HOUSING PROGRAM, THE OWNER OF THE FACILITY SHALL IMMEDIATELY NOTIFY THE DEPARTMENT OF PLANNING AND ZONING AND SHALL CONSTRUCT, PRIOR TO FURTHER OCCUPANCY OF THE WITHDRAWN UNITS, SUCH ADDITIONAL PARKING SPACES AS ARE NECESSARY TO PROVIDE ONE AND ONE-HALF PARKING SPACE FOR EACH DWELLING UNIT WITHDRAWN.

OVERALL TRACKING CHART

| PHASE NO. | FILE REF. NO. | GROSS ACRES | NON-BUILDABLE | | | | | S.F.D. AC. (R) | O.R. AC. (R) | E.M.P. AC. (R) | O.S. AC. (R) | PIB RD. | | | SPD UNITS | O.R. UNITS (APTS./S.F.A.) | S.F.D. DENSITY | O.R. DENSITY | E.M.P. BLDG. AREA | E.M.P. F.A.R. |
|-----------|---------------------|-------------|---------------|-------|-------|------|---------|----------------|--------------|----------------|--------------|---------|------|------|-----------|---------------------------|----------------|--------------|-------------------|---------------|
| | | | SF | OR | EMP | OS | % | | | | | SF | OR | EMP | | | | | | |
| 1 | F-03-01 | 51.88 | 0.00 | 0.00 | 0.00 | 0.00 | (0.0) | ----- | ----- | 30.23 (54.3) | 21.15 (40.7) | 0.00 | 0.00 | 4.35 | ----- | ----- | ----- | ----- | ----- | ----- |
| 2 | F-03-40 | 37.43 | 0.52 | 0.43 | 0.24 | 0.00 | (3.2) | 10.84 (29.0) | 8.04 (21.6) | 1.56 (4.2) | 15.75 (42.1) | 3.12 | 3.74 | 1.56 | 1.68 | 55 | 65 | 51/AC. | 8.0/AC. | ----- |
| 3 | F-04-42 | 58.80 | -0.52 | -0.43 | 2.71 | 0.00 | (3.0) | 7.11 (21.2) | 12.28 (20.4) | 14.80 (29.2) | 22.85 (38.4) | 2.52 | 0.46 | 0.00 | 1.00 | 41 | 71 | 58/AC. | 6.4/AC. | ----- |
| 4a | F-05-81 / F-05-82 | 15.47 | 0.00 | 1.48 | -1.61 | 0.00 | (-1.4) | 0.00 (0.0) | 1.24 (4.1) | 1.64 (10.4) | 6.70 (43.3) | 0.00 | 3.40 | 1.64 | 0.46 | ----- | ----- | ----- | ----- | ----- |
| 4b | F-05-134 / F-01-06 | 3.12 | 0.00 | 0.00 | -1.26 | 0.00 | (-40.4) | 0.00 (0.0) | 0.00 (0.0) | 3.15 (101.0) | 1.23 (34.4) | 0.00 | 0.00 | 2.04 | ----- | ----- | ----- | ----- | ----- | ----- |
| 4c | F-05-112 / F-05-113 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | (0.0) | 0.00 (0.0) | 0.45 (8.1) | 2.05 (68.3) | 0.00 (0.0) | 0.00 | 0.45 | 2.05 | ----- | ----- | ----- | ----- | ----- | ----- |
| 5a | F-06-43 | 0.00 | 0.00 | -1.25 | 0.00 | 0.00 | (0.0) | 0.00 (0.0) | 1.25 (0.0) | 0.00 (0.0) | 0.00 (0.0) | 0.00 | 0.00 | 0.00 | ----- | ----- | ----- | ----- | ----- | ----- |
| 5b | F-06-161 | 33.26 | 0.00 | -0.23 | 0.00 | 0.00 | (-0.7) | 1.73 (29.2) | 1.26 (21.8) | 0.00 (0.0) | 18.50 (55.6) | 2.22 | 3.16 | 0.00 | 0.88 | 41 | 65 | 53/AC. | 8.1/AC. | ----- |
| 6a | F-08-12 | 15.05 | 0.00 | 0.00 | 0.00 | 0.00 | (0.0) | 0.00 (0.0) | 4.55 (63.5) | 0.00 (0.0) | 5.50 (36.5) | 0.00 | | | | | | | | |

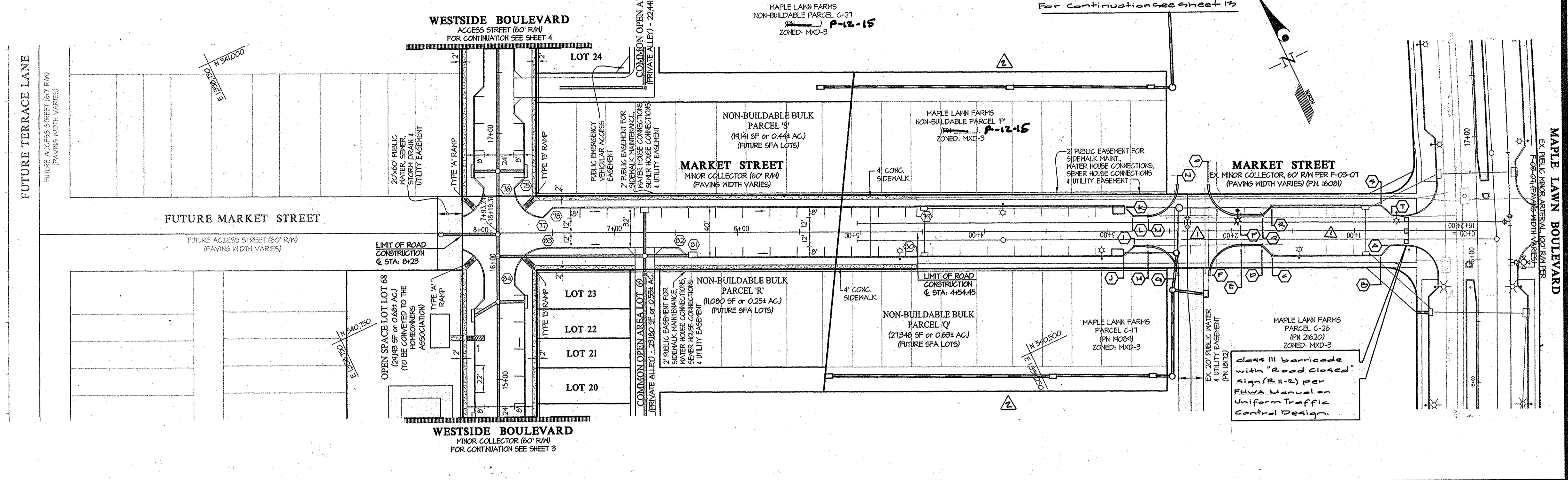
TOP OF CURB ELEVATION TABLE FOR WESTSIDE BOULEVARD

| PT. NO. | STATION | OFFSET | ELEV. | ASBUILT | PT. NO. | STATION | OFFSET | ELEV. | ASBUILT |
|---------|----------|------------|--------|---------|---------|-----------|------------|--------|---------|
| 1 | 7+11.71 | 6.2' LT. | * | | 66 | 14+88.10 | 20.00' RT. | 435.81 | 435.91 |
| 2 | 7+16.23 | 20.26' LT. | * | 453.82 | 67 | 15+78.41 | 20.00' RT. | 431.22 | 431.31 |
| 3 | 7+30.24 | 15.19' LT. | * | 453.55 | 68 | 16+66.12 | 12.00' RT. | 431.61 | 431.65 |
| 4 | 7+53.74 | 12.00' LT. | TBD | | 69 | 17+56.56 | 12.00' RT. | 431.83 | 431.83 |
| 5 | 7+77.34 | 12.00' LT. | 452.14 | 452.13 | 70 | 18+44.50 | 20.00' RT. | 431.75 | 431.92 |
| 6 | 7+85.34 | 20.00' LT. | 451.71 | 451.71 | 71 | 19+32.02 | 20.00' RT. | 436.80 | 441.66 |
| 7 | 8+19.34 | 20.00' LT. | 451.90 | 449.45 | 72 | 20+20.00 | 12.00' RT. | 442.84 | 441.86 |
| 8 | 8+81.34 | 12.00' LT. | 449.53 | 449.54 | 73 | 21+08.02 | 12.00' RT. | 443.84 | 443.99 |
| 9 | 9+05.51 | 30.67' LT. | | 449.08 | 74 | 21+96.00 | 12.00' RT. | 443.46 | 444.04 |
| 10 | 9+31.88 | 30.67' LT. | | 449.33 | 75 | 22+84.00 | 20.00' RT. | 443.49 | 443.76 |
| 11 | 9+56.06 | 12.00' LT. | 441.66 | 441.67 | 76 | 23+72.00 | 20.00' RT. | 441.24 | 441.30 |
| 12 | 9+64.06 | 20.00' LT. | 441.23 | 441.24 | 77 | 24+60.00 | 12.00' RT. | 441.67 | 441.75 |
| 13 | 10+16.06 | 20.00' LT. | 443.51 | 443.76 | 78 | 25+48.00 | 12.00' RT. | 449.55 | 449.61 |
| 14 | 11+04.06 | 20.00' LT. | 443.71 | 443.73 | 79 | 26+36.00 | 20.00' RT. | 449.50 | 449.87 |
| 15 | 11+05.40 | 12.00' LT. | 443.80 | 443.72 | 80 | 27+24.00 | 20.00' RT. | 451.71 | 451.73 |
| 16 | 11+24.90 | 30.00' LT. | | 443.16 | 81 | 28+12.00 | 12.00' RT. | 452.14 | 452.16 |
| 17 | 11+60.66 | 30.00' LT. | | 442.30 | 82 | 29+00.00 | 12.00' RT. | 452.42 | 452.41 |
| 18 | 11+84.66 | 12.00' LT. | 452.42 | 441.88 | 83 | 29+88.00 | 14.14' RT. | XXXXXX | 453.04 |
| 19 | 11+82.66 | 20.00' LT. | 441.44 | 441.62 | 84 | 30+76.00 | 22.28' RT. | | 453.40 |
| 20 | 12+22.43 | 20.00' LT. | 438.14 | 437.67 | 85 | 31+64.00 | 24.29' RT. | | |
| 21 | 13+41.85 | 20.00' LT. | 437.78 | 437.96 | 86 | 32+52.00 | 14.00' RT. | | |
| 22 | 13+56.10 | 12.00' LT. | 437.84 | 437.80 | 87 | 33+40.00 | 12' RT. | | |
| 23 | 13+66.54 | 12.00' LT. | 437.60 | 437.63 | 88 | 34+28.00 | | | |
| 24 | 13+75.25 | 20.00' LT. | 437.18 | 437.15 | 89 | 35+16.00 | 31.00' RT. | 442.25 | 442.42 |
| 25 | 14+32.10 | 20.00' LT. | 435.87 | 435.96 | 90 | 36+04.00 | 31.00' RT. | 445.03 | 445.11 |
| | | | | | 91 | 36+92.00 | 31.00' RT. | 441.80 | 441.45 |
| | | | | | 92 | 37+80.00 | 31.00' RT. | 448.52 | 448.51 |
| | | | | | 93 | 38+68.00 | | | |
| | | | | | 94 | 39+56.00 | | | |
| | | | | | 95 | 40+44.00 | | | |
| | | | | | 96 | 41+32.00 | | | |
| | | | | | 97 | 42+20.00 | | | |
| | | | | | 98 | 43+08.00 | | | |
| | | | | | 99 | 43+96.00 | | | |
| | | | | | 100 | 44+84.00 | | | |
| | | | | | 101 | 45+72.00 | | | |
| | | | | | 102 | 46+60.00 | | | |
| | | | | | 103 | 47+48.00 | | | |
| | | | | | 104 | 48+36.00 | | | |
| | | | | | 105 | 49+24.00 | | | |
| | | | | | 106 | 50+12.00 | | | |
| | | | | | 107 | 51+00.00 | | | |
| | | | | | 108 | 51+88.00 | | | |
| | | | | | 109 | 52+76.00 | | | |
| | | | | | 110 | 53+64.00 | | | |
| | | | | | 111 | 54+52.00 | | | |
| | | | | | 112 | 55+40.00 | | | |
| | | | | | 113 | 56+28.00 | | | |
| | | | | | 114 | 57+16.00 | | | |
| | | | | | 115 | 58+04.00 | | | |
| | | | | | 116 | 58+92.00 | | | |
| | | | | | 117 | 59+80.00 | | | |
| | | | | | 118 | 60+68.00 | | | |
| | | | | | 119 | 61+56.00 | | | |
| | | | | | 120 | 62+44.00 | | | |
| | | | | | 121 | 63+32.00 | | | |
| | | | | | 122 | 64+20.00 | | | |
| | | | | | 123 | 65+08.00 | | | |
| | | | | | 124 | 65+96.00 | | | |
| | | | | | 125 | 66+84.00 | | | |
| | | | | | 126 | 67+72.00 | | | |
| | | | | | 127 | 68+60.00 | | | |
| | | | | | 128 | 69+48.00 | | | |
| | | | | | 129 | 70+36.00 | | | |
| | | | | | 130 | 71+24.00 | | | |
| | | | | | 131 | 72+12.00 | | | |
| | | | | | 132 | 73+00.00 | | | |
| | | | | | 133 | 73+88.00 | | | |
| | | | | | 134 | 74+76.00 | | | |
| | | | | | 135 | 75+64.00 | | | |
| | | | | | 136 | 76+52.00 | | | |
| | | | | | 137 | 77+40.00 | | | |
| | | | | | 138 | 78+28.00 | | | |
| | | | | | 139 | 79+16.00 | | | |
| | | | | | 140 | 80+04.00 | | | |
| | | | | | 141 | 80+92.00 | | | |
| | | | | | 142 | 81+80.00 | | | |
| | | | | | 143 | 82+68.00 | | | |
| | | | | | 144 | 83+56.00 | | | |
| | | | | | 145 | 84+44.00 | | | |
| | | | | | 146 | 85+32.00 | | | |
| | | | | | 147 | 86+20.00 | | | |
| | | | | | 148 | 87+08.00 | | | |
| | | | | | 149 | 87+96.00 | | | |
| | | | | | 150 | 88+84.00 | | | |
| | | | | | 151 | 89+72.00 | | | |
| | | | | | 152 | 90+60.00 | | | |
| | | | | | 153 | 91+48.00 | | | |
| | | | | | 154 | 92+36.00 | | | |
| | | | | | 155 | 93+24.00 | | | |
| | | | | | 156 | 94+12.00 | | | |
| | | | | | 157 | 95+00.00 | | | |
| | | | | | 158 | 95+88.00 | | | |
| | | | | | 159 | 96+76.00 | | | |
| | | | | | 160 | 97+64.00 | | | |
| | | | | | 161 | 98+52.00 | | | |
| | | | | | 162 | 99+40.00 | | | |
| | | | | | 163 | 100+28.00 | | | |
| | | | | | 164 | 101+16.00 | | | |
| | | | | | 165 | 102+04.00 | | | |
| | | | | | 166 | 102+92.00 | | | |
| | | | | | 167 | 103+80.00 | | | |
| | | | | | 168 | 104+68.00 | | | |
| | | | | | 169 | 105+56.00 | | | |
| | | | | | 170 | 106+44.00 | | | |
| | | | | | 171 | 107+32.00 | | | |
| | | | | | 172 | 108+20.00 | | | |
| | | | | | 173 | 109+08.00 | | | |
| | | | | | 174 | 109+96.00 | | | |
| | | | | | 175 | 110+84.00 | | | |
| | | | | | 176 | 111+72.00 | | | |
| | | | | | 177 | 112+60.00 | | | |
| | | | | | 178 | 113+48.00 | | | |
| | | | | | 179 | 114+36.00 | | | |
| | | | | | 180 | 115+24.00 | | | |
| | | | | | 181 | 116+12.00 | | | |
| | | | | | 182 | 117+00.00 | | | |
| | | | | | 183 | 117+88.00 | | | |
| | | | | | 184 | 118+76.00 | | | |
| | | | | | 185 | 119+64.00 | | | |
| | | | | | 186 | 120+52.00 | | | |
| | | | | | 187 | 121+40.00 | | | |
| | | | | | 188 | 122+28.00 | | | |
| | | | | | 189 | 123+16.00 | | | |
| | | | | | 190 | 124+04.00 | | | |
| | | | | | 191 | 124+92.00 | | | |
| | | | | | 192 | 125+80.00 | | | |
| | | | | | 193 | 126+68.00 | | | |
| | | | | | 194 | 127+56.00 | | | |
| | | | | | 195 | 128+44.00 | | | |
| | | | | | 196 | 129+32.00 | | | |
| | | | | | 197 | 130+20.00 | | | |
| | | | | | 198 | 131+08.00 | | | |
| | | | | | 199 | 131+96.00 | | | |
| | | | | | 200 | 132+84.00 | | | |
| | | | | | 201 | 133+72.00 | | | |
| | | | | | 202 | 134+60.00 | | | |
| | | | | | 203 | 135+48.00 | | | |
| | | | | | 204 | 136+36.00 | | | |
| | | | | | 205 | 137+24.00 | | | |
| | | | | | 206 | 138+12.00 | | | |
| | | | | | 207 | 139+00.00 | | | |
| | | | | | 208 | 139+88.00 | | | |
| | | | | | 209 | 140+76.00 | | | |
| | | | | | 210 | 141+64.00 | | | |
| | | | | | 211 | 142+52.00 | | | |
| | | | | | 212 | 143+40.00 | | | |
| | | | | | 213 | 144+28.00 | | | |
| | | | | | 214 | 145+16.00 | | | |
| | | | | | 215 | 146+04.00 | | | |
| | | | | | 216 | 146+92.00 | | | |
| | | | | | 217 | 147+80.00 | | | |
| | | | | | 218 | 148+68.00 | | | |
| | | | | | 219 | 149+56.00 | | | |
| | | | | | 220 | 150+44.00 | | | |
| | | | | | 221 | 151+32.00 | | | |
| | | | | | 222 | 152+20.00 | | | |
| | | | | | 223 | 153+08.00 | | | |
| | | | | | 224 | 153+96.00 | | | |
| | | | | | 225 | 154+84.00 | | | |
| | | | | | 226 | 155+72.00 | | | |
| | | | | | 227 | 156+60.00 | | | |
| | | | | | 228 | 157+48.00 | | | |
| | | | | | 229 | 158+36.00 | | | |
| | | | | | 230 | 159+24.00 | | | |
| | | | | | 231 | 160+12.00 | | | |
| | | | | | 232 | 161+00.00 | | | |
| | | | | | 233 | 161+88.00 | | | |
| | | | | | 234 | 162+76.00 | | | |
| | | | | | 235 | 163+64.00 | | | |
| | | | | | 236 | 164+52.00 | | | |
| | | | | | 237 | 165+40.00 | | | |
| | | | | | 238 | 166+28.00 | | | |
| | | | | | 239 | 167+16.00 | | | |
| | | | | | 240 | 168+04.00 | | | |
| | | | | | 241 | 168+92.00 | | | |
| | | | | | 242 | 169+80.00 | | | |
| | | | | | 243 | 170+68.00 | | | |
| | | | | | 244 | 171+56.00 | | | |
| | | | | | 245 | 172+44.00 | | | |
| | | | | | 246 | 173+32.00 | | | |
| | | | | | 247 | 174+20.00 | | | |
| | | | | | 248 | 175+08.00 | | | |
| | | | | | 249 | 175+96.00 | | | |
| | | | | | 250 | 176+84.00 | | | |
| | | | | | 251 | 177+72.00 | | | |
| | | | | | 252 | 178+60.00 | | | |
| | | | | | 253 | 179+48.00 | | | |

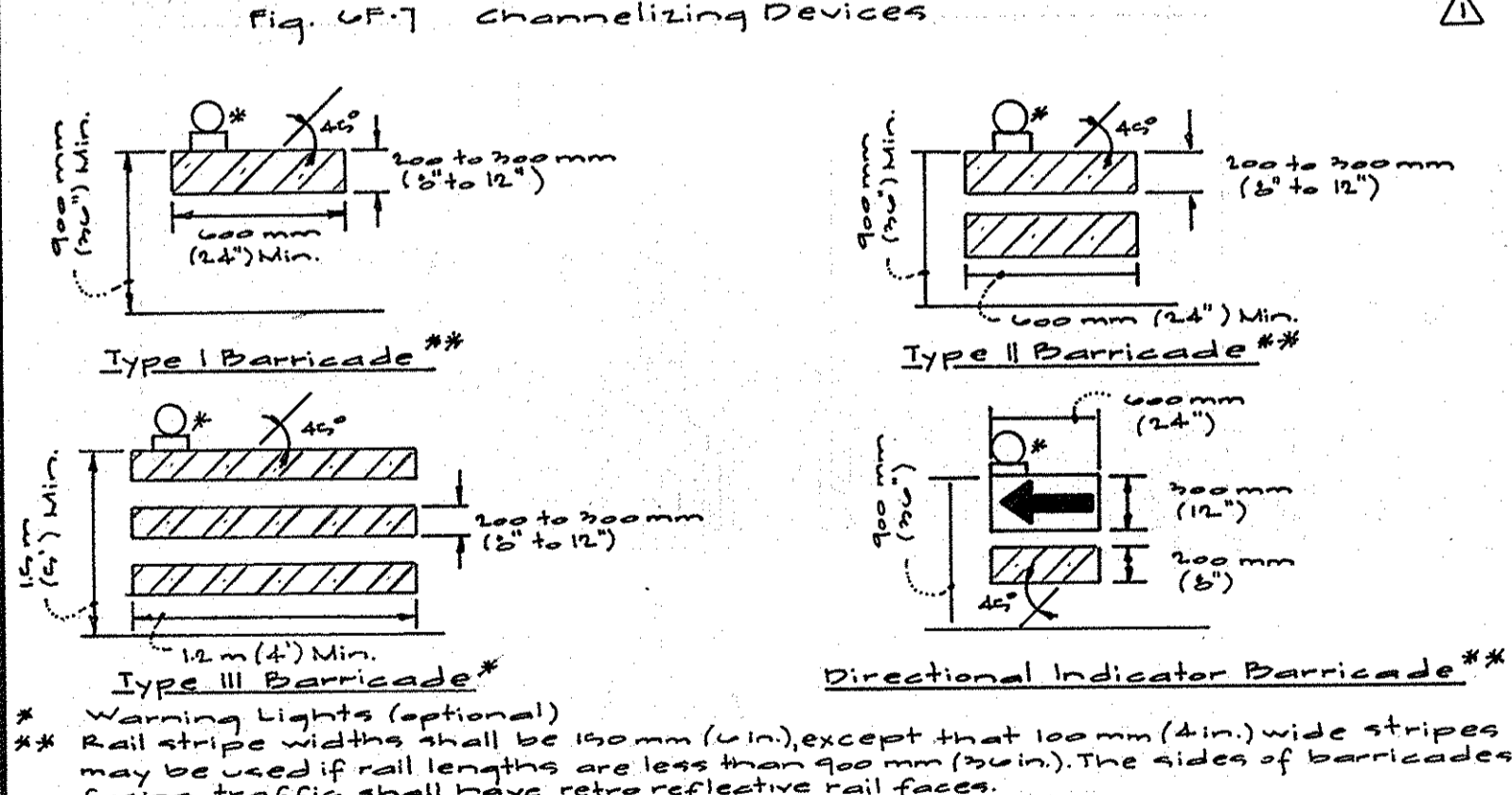
| PT. NO | STATION | OFFSET | ELEV. | AS BUILT |
|--------|---------|------------|--------|----------|
| (17) | 7+51.70 | 12.00' RT. | 434.45 | |
| (18) | 7+44.74 | 20.00' RT. | 432.48 | |
| (19) | 4+54.45 | 20.00' RT. | * | |
| (20) | 4+54.45 | 20.00' LT. | * | |
| (21) | 6+39.74 | 20.00' LT. | 430.70 | |
| (22) | 6+47.74 | 12.00' LT. | 431.08 | |
| (23) | 7+56.24 | 12.00' LT. | 432.44 | |

| Pt. No | Station | Offset | Elev. | As Built | Pt. No | Station | Offset | Elev. | As Built |
|--------|---------|------------|--------|----------|--------|---------|------------|--------|----------|
| A | 0+71.02 | 12.00' Lt. | 420.91 | | K | 2+50.02 | 12.00' Rt. | 424.57 | |
| B | 0+79.02 | 20.00' Lt. | 420.55 | | L | 2+50.02 | 12.00' Rt. | 424.47 | |
| C | 1+17.02 | 20.00' Lt. | 422.41 | | M | 2+17.24 | 12.00' Rt. | 424.44 | |
| D | 1+76.02 | 12.00' Lt. | 422.75 | | N | 2+42.24 | 17.00' Rt. | 424.41 | |
| E | 1+93.24 | 12.00' Lt. | 423.11 | | O | 2+15.24 | 17.00' Rt. | 423.75 | |
| F | 2+15.24 | 17.00' Lt. | 423.95 | | P | 1+93.24 | 12.00' Rt. | 423.11 | |
| G | 2+42.24 | 17.00' Lt. | 424.41 | | Q | 1+76.02 | 12.00' Rt. | 422.75 | |
| H | 2+17.24 | 12.00' Lt. | 424.44 | | R | 1+17.02 | 20.00' Rt. | 422.41 | |
| I | 2+50.02 | 12.00' Lt. | 424.47 | | S | 0+79.02 | 20.00' Rt. | 420.55 | |
| J | 2+55.02 | 20.00' Lt. | 424.57 | | T | 0+71.02 | 12.00' Rt. | 420.91 | |

Street Light Relocation
 Sta. 1+91 Market St. 22' Rt. 150 watt H.P.S. vapor Teardrop 23' black fiberglass w/4' arm
 #constructed of aluminum.



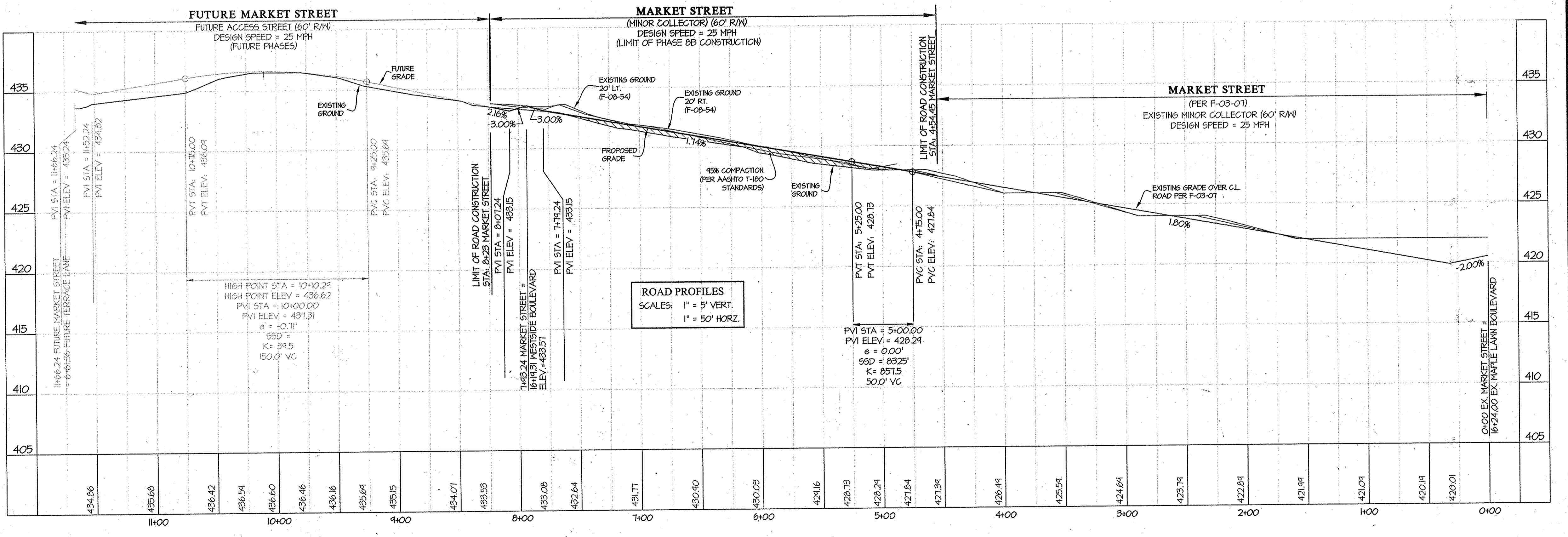
- NOTES:
- ALL CURB RADII ARE 25' UNLESS OTHERWISE NOTED.
 - ALL STORM DRAINS IN COMMON OPEN AREAS SHALL BE PRIVATELY OWNED AND MAINTAINED.
 - FOR STORM DRAIN INFORMATION, SEE STORM DRAIN INFORMATION PLAN, SHEETS 12 & 13.
 - FOR STREET TREE AND STREET LIGHT INFORMATION, SEE SHEET 8.
 - ALL SIDEWALKS ARE 4 FEET WIDE, UNLESS OTHERWISE NOTED.
 - A PUBLIC EASEMENT FOR SIDEWALK MAINTENANCE, WATER HOUSE CONNECTIONS, SEWER HOUSE CONNECTIONS & UTILITY HAS BEEN ADDED TO LOTS WITH FRONT AND/OR SIDE LOT LINES ADJACENT TO A PUBLIC RIGHT-OF-WAY.
 - TYPE 'A' RAMP TO BE CONSTRUCTED PER HOWARD COUNTY STD. DETAIL R-4.01 AND TYPE 'B' RAMP TO BE CONSTRUCTED PER HOWARD COUNTY STD. DETAIL R-4.02.
 - FOR TYPICAL SECTIONS SEE SHEET 7.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 Date: 2/21/12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Date: 3/9/12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Development Engineering Division
 Date: 3/7/12

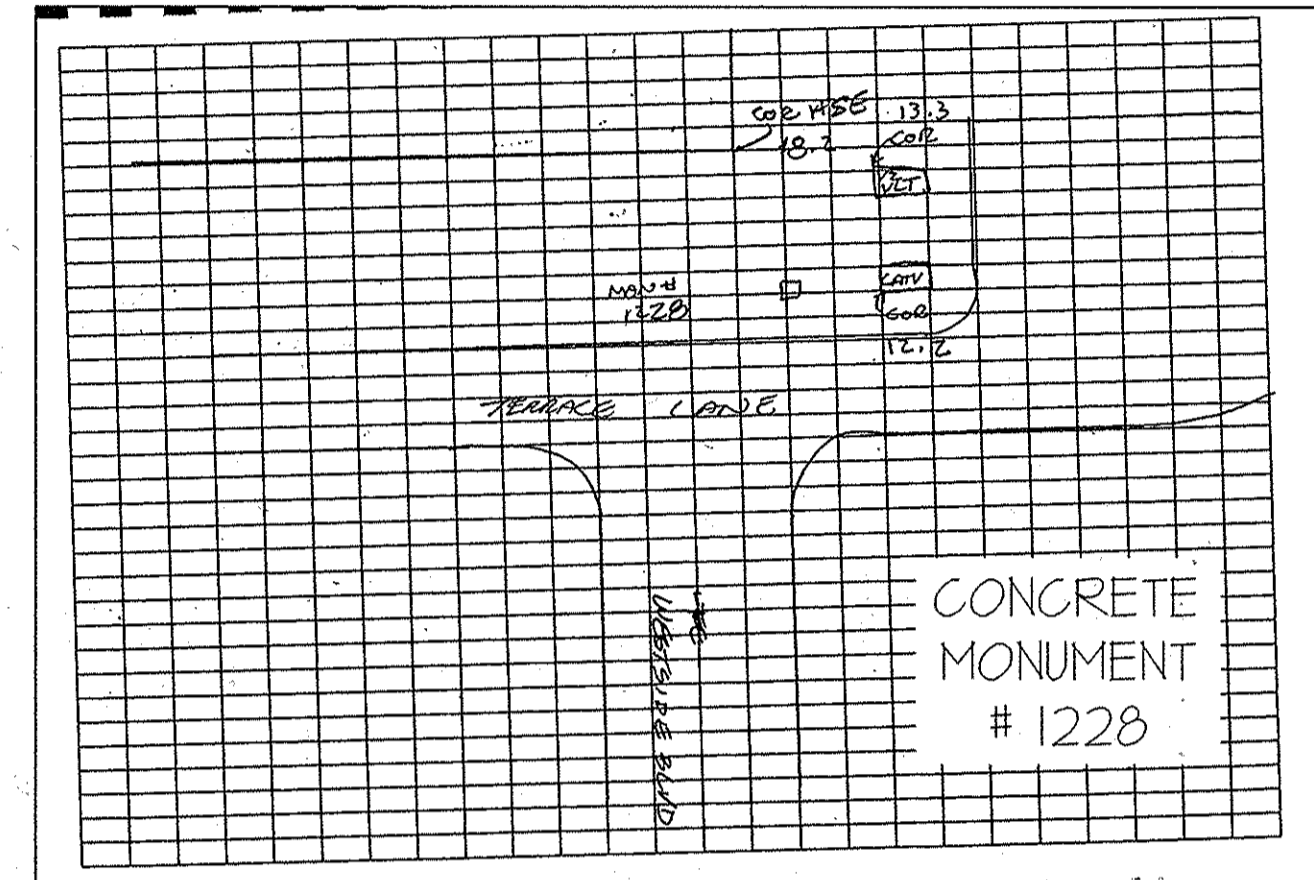
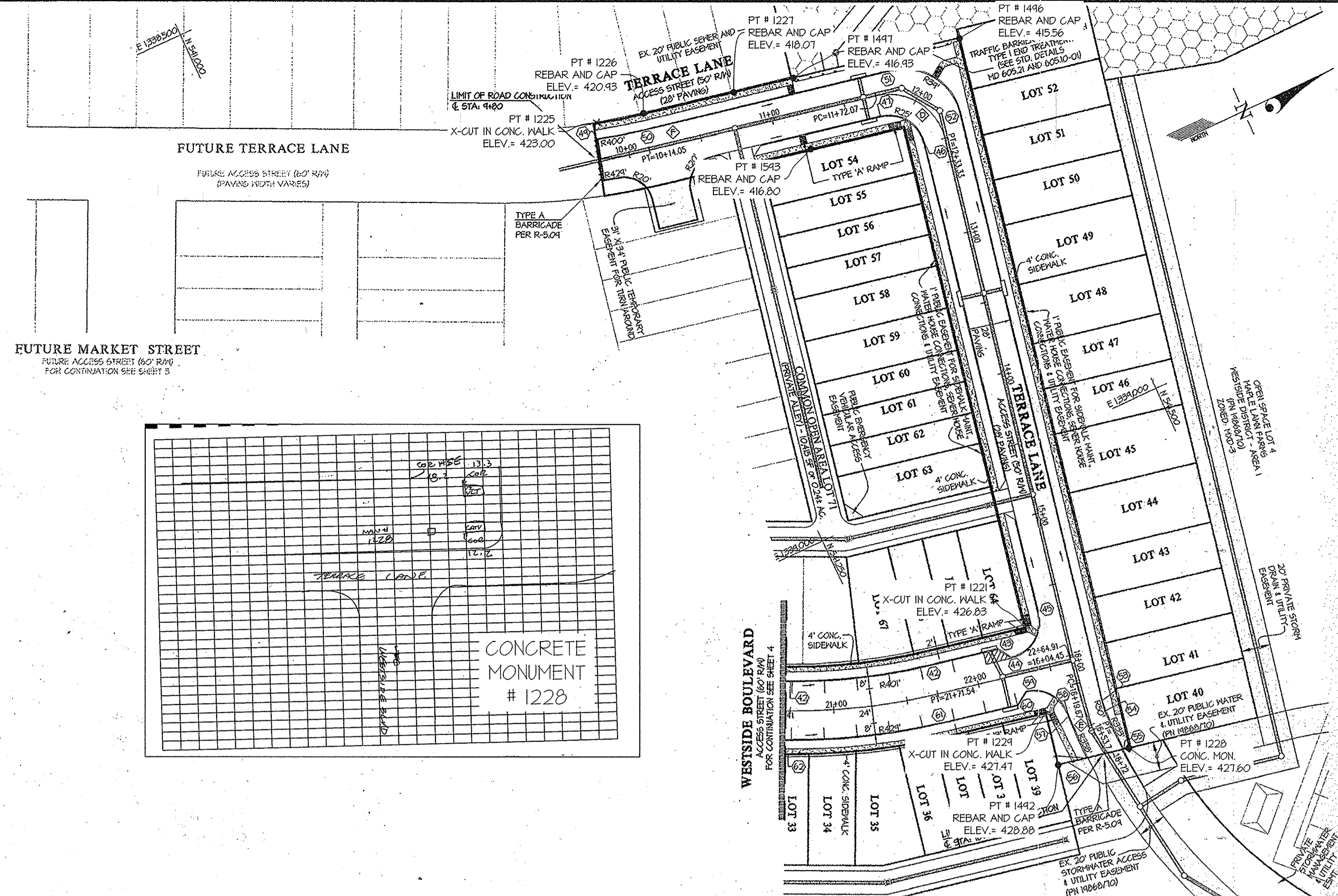


| | | | | | | | |
|--|---------------------------------|---|--|---|-------------------|-----------------|----------------------------|
| GLWGUTSCHICK LITTLE & WEBER, P.A. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-389-2524 FAX: 301-421-4186 | REVISION DATE BY APPR. | PREPARED FOR: GREENEBaum DEVELOPMENT, INC SUITE 300 WOODHOLME CENTER 1829 REISTERSTOWN ROAD BALTIMORE, MD 21208 ATTN: MARK BENNETT 410-484-8400 | PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE PLANS 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. 12972 EXPIRATION DATE: MAY 26, 2012 2-2-12 | ROAD CONSTRUCTION PLAN - MARKET STREET MAPLE LAWN FARMS WESTSIDE DISTRICT - AREA 2 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, C.O.A. LOTS 69 thru 71 AND NON-BUILDABLE BULK PARCELS Q THRU T WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L' ELECTION DISTRICT No. 5 | SCALE AS SHOWN | ZONING MXD-3 | G. L. W. FILE No. 10001 |
| | DATE JANUARY, 2012 | TAX MAP - GRID 41-21/46-3 | SHEET 5 OF 22 | | | | |

| TOP OF CURB ELEVATION TABLE FOR TERRACE LANE | | | | |
|--|----------|------------|--------|---------|
| PT. NO. | STATION | OFFSET | ELEV. | ASBUILT |
| 45 | 15+61.45 | 14.00' RT. | 426.25 | 426.21 |
| 46 | 12+83.33 | 14.00' RT. | 417.05 | 417.03 |
| 47 | 11+72.07 | 14.00' RT. | 416.14 | 416.21 |
| 48 | 10+54.57 | 14.00' RT. | 418.59 | 418.31 |
| 49 | 16+68.93 | 12.24' RT. | 420.64 | 421.46 |
| 50 | 16+39.74 | 11.35' RT. | 421.14 | 421.43 |
| 51 | 16+36.66 | 11.37' RT. | 422.23 | 421.42 |
| 52 | 4+80.13 | 14.00' LT. | 422.65 | 422.63 |
| 53 | 10+14.05 | 14.00' LT. | 420.60 | 420.03 |
| 54 | 11+82.14 | 15.82' LT. | 416.16 | 416.13 |
| 55 | 12+23.26 | 15.82' LT. | 416.71 | 416.48 |
| 56 | 16+36.71 | 13.12' LT. | 421.24 | 421.25 |
| 57 | 16+44.94 | 12.62' LT. | 421.28 | 421.31 |
| 58 | 16+75.97 | 11.50' LT. | 421.22 | 421.06 |

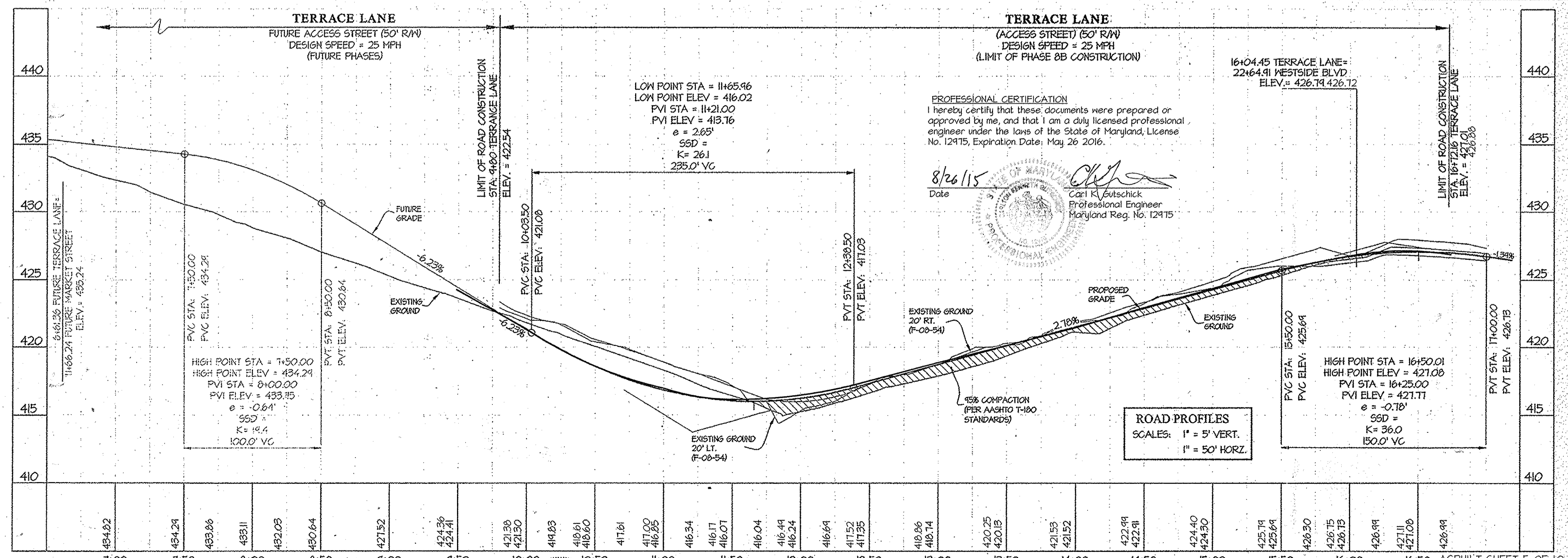
| TOP OF CURB ELEVATION TABLE FOR WESTSIDE BOULEVARD | | | | |
|--|----------|------------|--------|---------|
| PT. NO. | STATION | OFFSET | ELEV. | ASBUILT |
| 33 | 15+80.45 | 34.00' RT. | 421.19 | |
| 44 | 16+18.45 | 34.82' RT. | 421.03 | |

| C.L. CURVE DATA CHART | | | | | | | | | | |
|-----------------------|-------|-----------|-----------|---------|---------|---------|---------|---------------|-----------|--|
| STREET NAME | CURVE | P.C. STA. | P.T. STA. | RADIUS | TANGENT | ARC | CHORD | BEARING | DELTA | |
| TERRACE LANE | ⊖ | 11+72.07 | 12+83.33 | 34.00' | 34.00' | 61.26' | 56.15' | N 56°22'31" E | 40°00'00" | |
| TERRACE LANE | ⊖ | 16+18.61 | 16+53.70 | 150.00' | 11.04' | 34.03' | 33.95' | S 89°07'04" E | 12°54'51" | |
| TERRACE LANE | ⊖ | 4+12.43 | 10+14.05 | 45.63' | 50.84' | 104.13' | 100.28' | N 18°24'42" E | 12°33'45" | |



ROAD CONSTRUCTION PLAN VIEW - TERRACE LANE SCALE: 1" = 50'

- NOTES**
- ALL CURB RADII ARE 25' UNLESS OTHERWISE NOTED.
 - ALL STORM DRAINS IN COMMON OPEN AREAS SHALL BE PRIVATELY OWNED AND MAINTAINED.
 - FOR STORM DRAIN INFORMATION, SEE STORM DRAIN INFORMATION PLAN, SHEETS 12 & 13.
 - FOR STREET TREE AND STREET LIGHT INFORMATION, SEE SHEET 14.
 - ALL SIDEWALKS ARE 4 FEET WIDE, UNLESS OTHERWISE NOTED.
 - A PUBLIC EASEMENT FOR SIDEWALK MAINTENANCE, WATER HOUSE CONNECTIONS, SEWER HOUSE CONNECTIONS & UTILITY HAS BEEN ADDED TO LOTS WITH FRONT AND/OR SIDE LOT LINES ADJACENT TO A PUBLIC RIGHT-OF-WAY.
 - TYPE 'A' RAMP TO BE CONSTRUCTED PER HOWARD COUNTY STD. DETAIL R-4.01 AND TYPE 'B' RAMP TO BE CONSTRUCTED PER HOWARD COUNTY STD. DETAIL R-4.02.
 - FOR TYPICAL SECTIONS SEE SHEET 1.
 - SIDEWALKS LOCATED WITHIN THE RIGHT OF WAY FOR WESTSIDE BOULEVARD FROM STATION 1+21 TO 4+05 ARE FOR INFORMATION PURPOSES ONLY. SIDEWALKS SHALL BE CONSTRUCTED WITH ADJACENT SITE DEVELOPMENT PLANS. MAINTENANCE OF SIDEWALKS AND TREES WITHIN THE RIGHT OF WAY WILL BE THE RESPONSIBILITY OF THE COMMERCIAL OWNERS ASSOCIATION.
 - CONTRACTOR IS TO TRANSITION FROM 7" CURB HEIGHT IN WESTSIDE BLVD. TO 6" CURB HEIGHT IN PRIVATE DRIVE ISLE.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
White Z. ...
Chief, Bureau of Highways
Date: 2-21-12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
...
Chief, Division of Land Development
Date: 3/08/12

...
Chief, Development Engineering Division
Date: 3/7/12

LEGEND

| | |
|--|----------------------------|
| | EXISTING GRADE |
| | EXISTING GRADE LEFT |
| | EXISTING GRADE RIGHT |
| | PROPOSED GRADE @ C.L. ROAD |

GLWGUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONTOWN, MD 20866
TEL: 301-421-4024 FAX: 301-421-4188

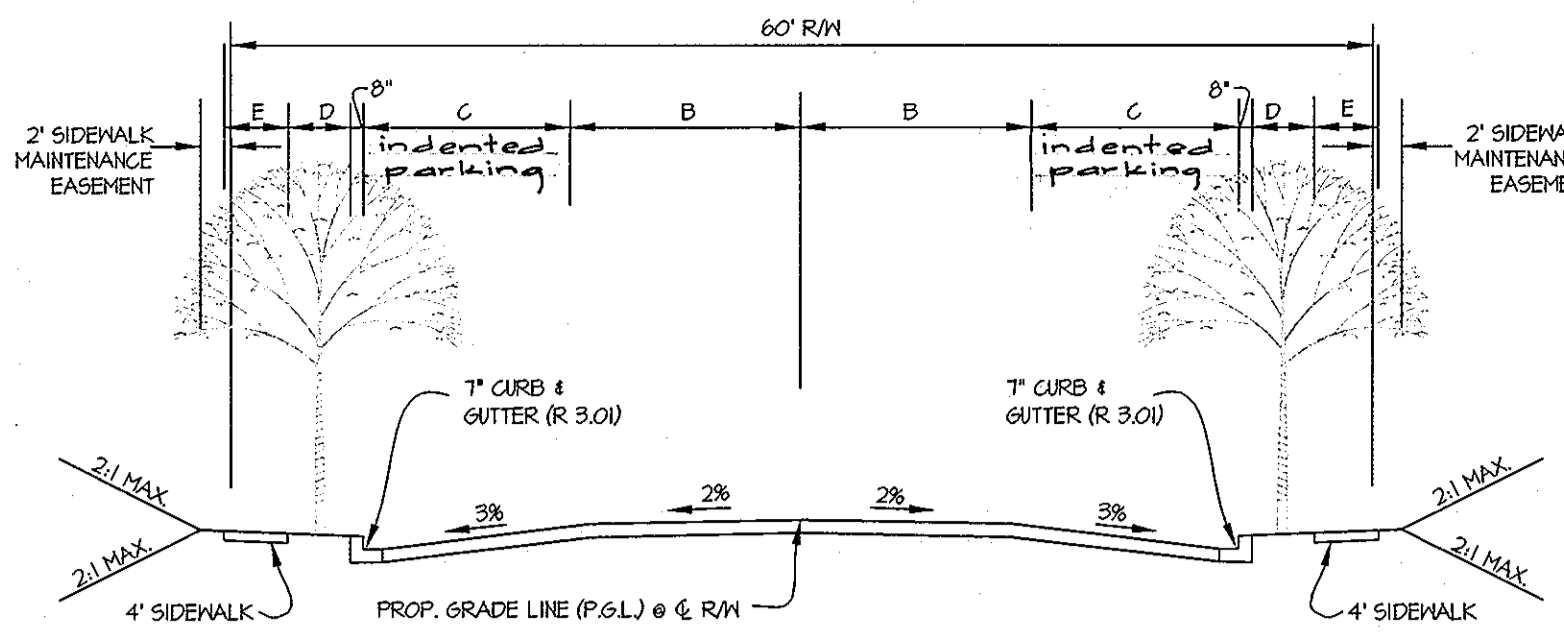
| REVISION | DATE | BY | APPR. |
|----------|------|----|-------|
| | | | |
| | | | |
| | | | |

PREPARED FOR:
GREENBAUM DEVELOPMENT, INC
SUITE 300 WOODHOLME CENTER
1829 REISTERSTOWN ROAD
BALTIMORE, MD 21208
ATTN: MARK BENNETT
410-484-8400

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS 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. 12915, EXPIRATION DATE: MAY 26, 2012.
2-2-12

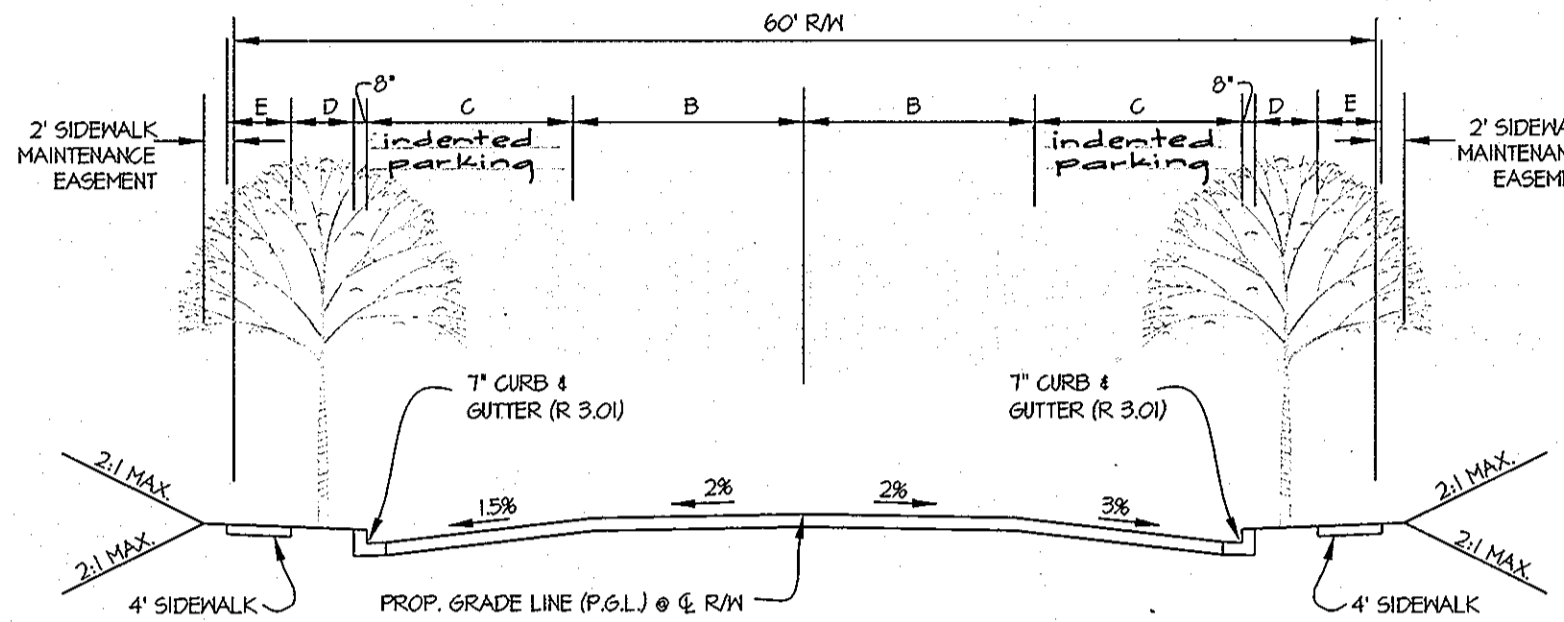
ROAD CONSTRUCTION PLAN - TERRACE LANE
MAPLE LAWN FARMS
WESTSIDE DISTRICT - AREA 2
WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'I'
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE NO. |
|-----------|----------------|-------------------|
| AS SHOWN | MXD-3' | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| AUG. 2015 | 41-21/46-3 | 6 OF 22 |



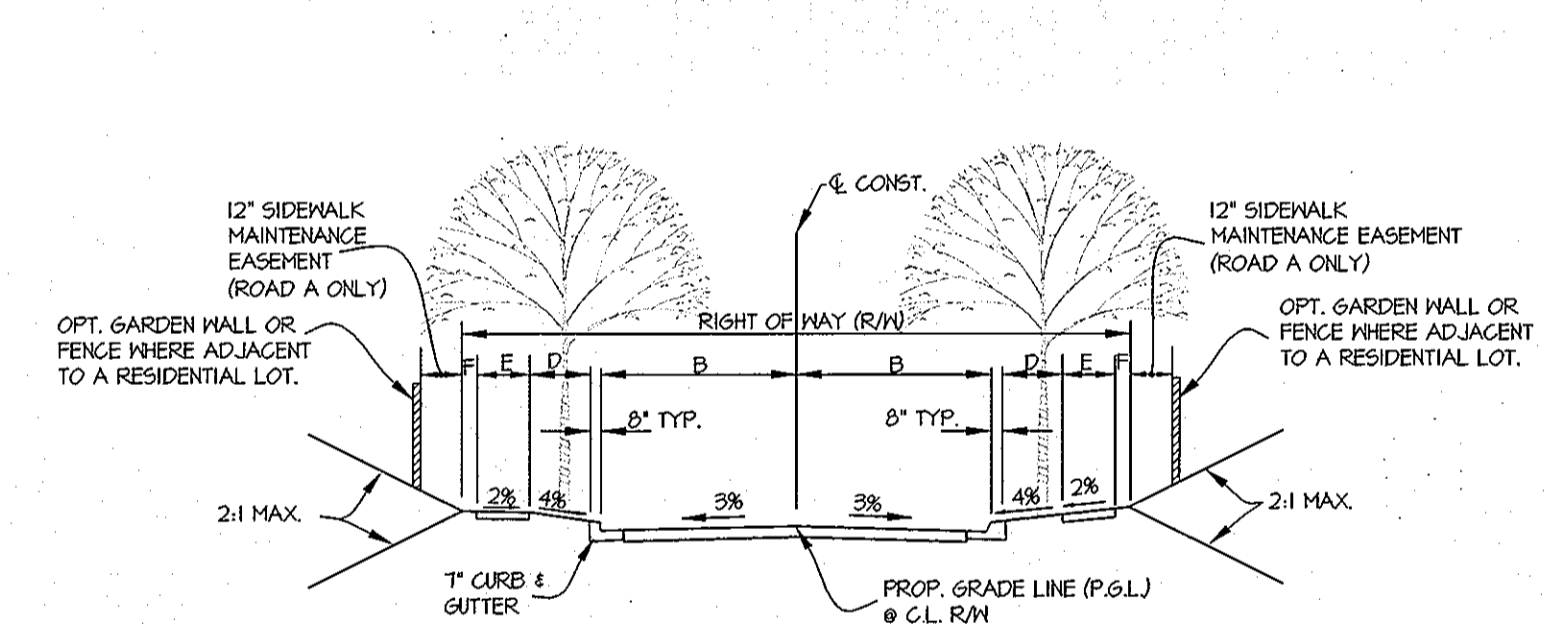
| ROAD INFORMATION | | | | | | | | | | |
|--------------------|----------------------|-----------------|--------------|----|-----|----|----|----|----|-------------|
| ROAD NAME | STATION | CLASSIFICATION | DESIGN SPEED | A | B | C | D | E | F | R/W SECTION |
| WESTSIDE BOULEVARD | 1+30.01 TO 14+04.51 | MINOR COLLECTOR | 25 MPH | -- | 12' | 8' | 8' | 4' | -- | 60' |
| WESTSIDE BOULEVARD | 15+65.51 TO 22+64.81 | MINOR COLLECTOR | 25 MPH | -- | 12' | 8' | 8' | 4' | -- | 60' |
| MARKET STREET | 4+54.45 TO 6+47.14 | MINOR COLLECTOR | 25 MPH | -- | 12' | 8' | 8' | 4' | -- | 60' |

1 TYPICAL ROAD SECTION FOR MINOR COLLECTORS W/ INDENTED PARKING



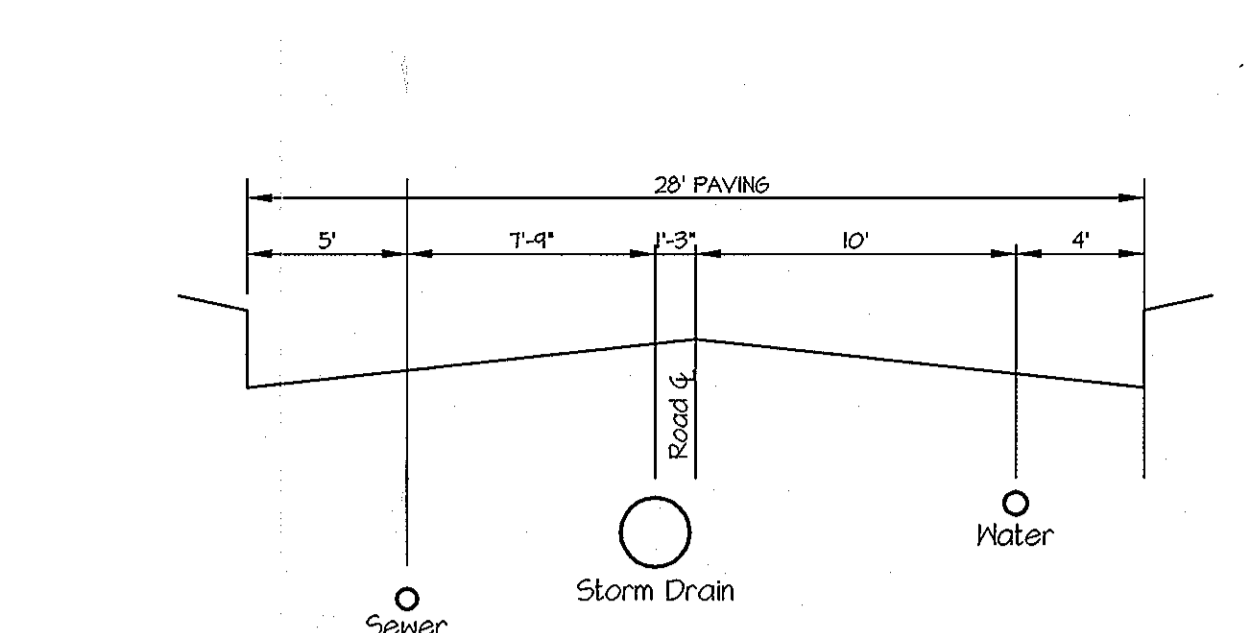
| ROAD INFORMATION | | | | | | | | | | |
|--------------------|----------------------|-----------------|--------------|----|-----|----|----|----|----|-------------|
| ROAD NAME | STATION | CLASSIFICATION | DESIGN SPEED | A | B | C | D | E | F | R/W SECTION |
| WESTSIDE BOULEVARD | 14+04.51 TO 15+65.51 | MINOR COLLECTOR | 25 MPH | -- | 12' | 8' | 8' | 4' | -- | 60' |

2 TYPICAL ROAD SECTION FOR MINOR COLLECTORS AT MAIL PAVILION

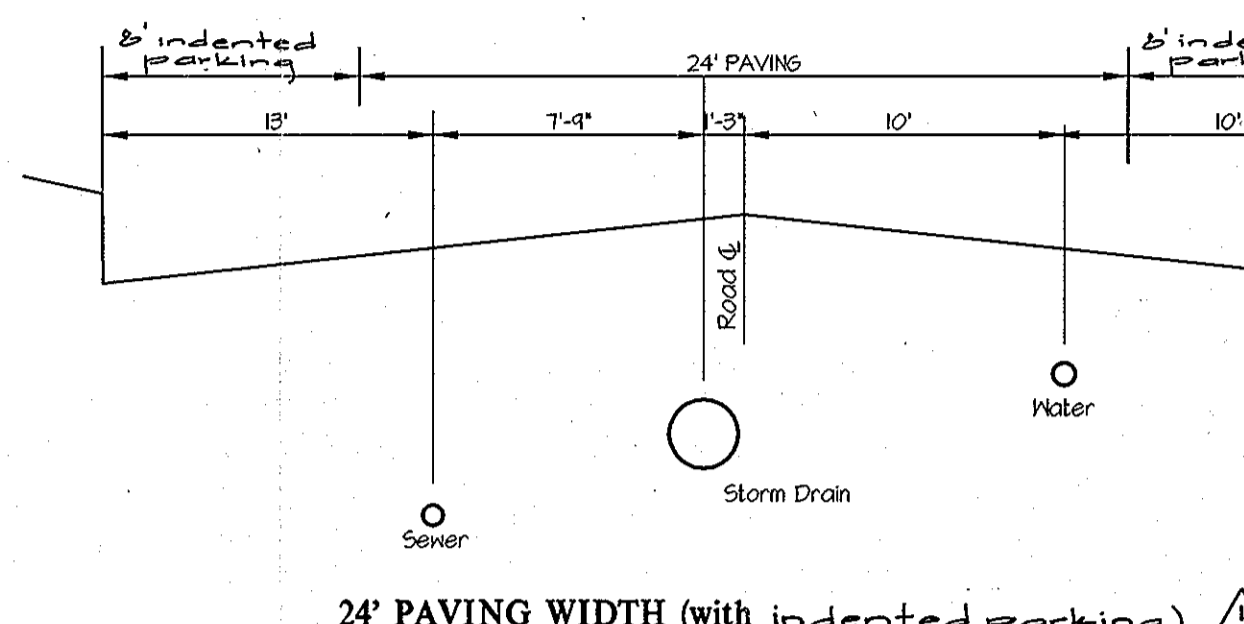


| ROAD INFORMATION | | | | | | | | | | |
|------------------|------------------|----------------|--------------|---|-----|---|----|----|----|-------------|
| ROAD NAME | STATION | CLASSIFICATION | DESIGN SPEED | A | B | C | D | E | F | R/W SECTION |
| TERRACE LANE | 4+00 TO 16+72.16 | ACCESS STREET | 25 MPH | - | 14' | - | 6' | 4' | 4' | 50' |

3 TYPICAL ROAD SECTIONS

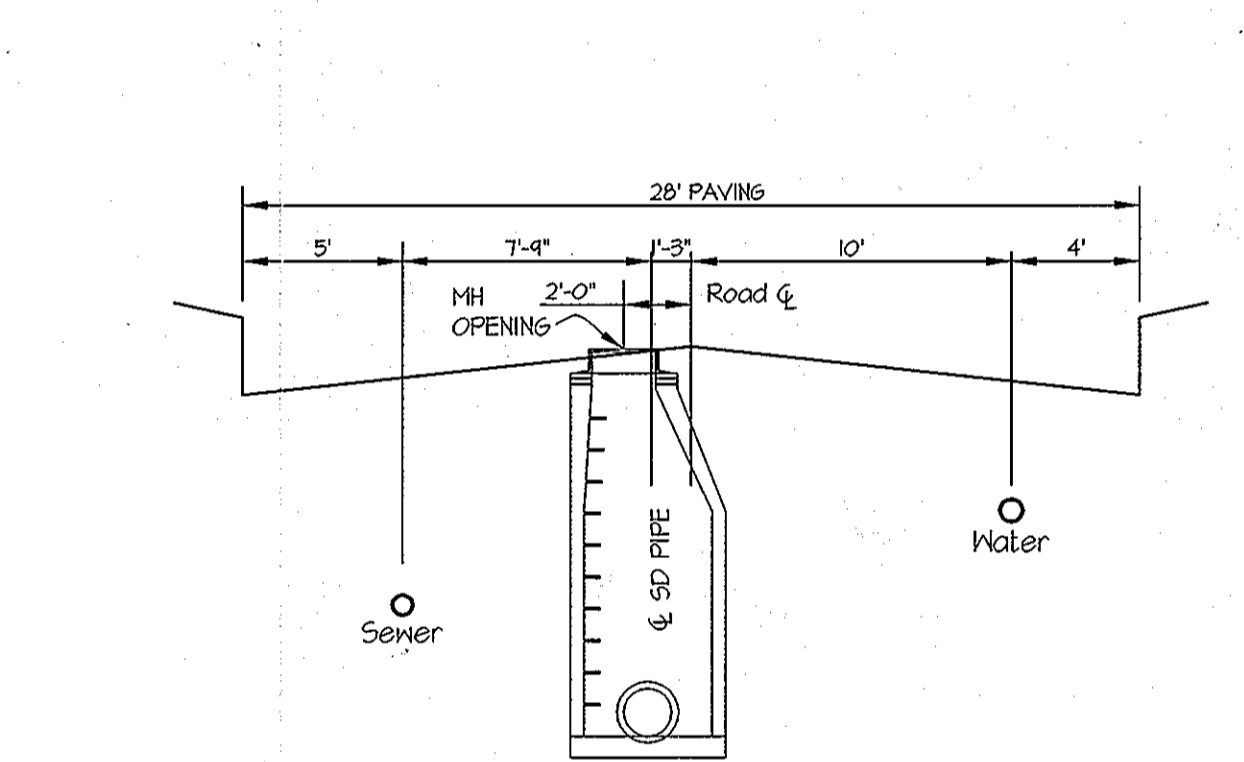


28' PAVING WIDTH ALONG TERRACE LANE

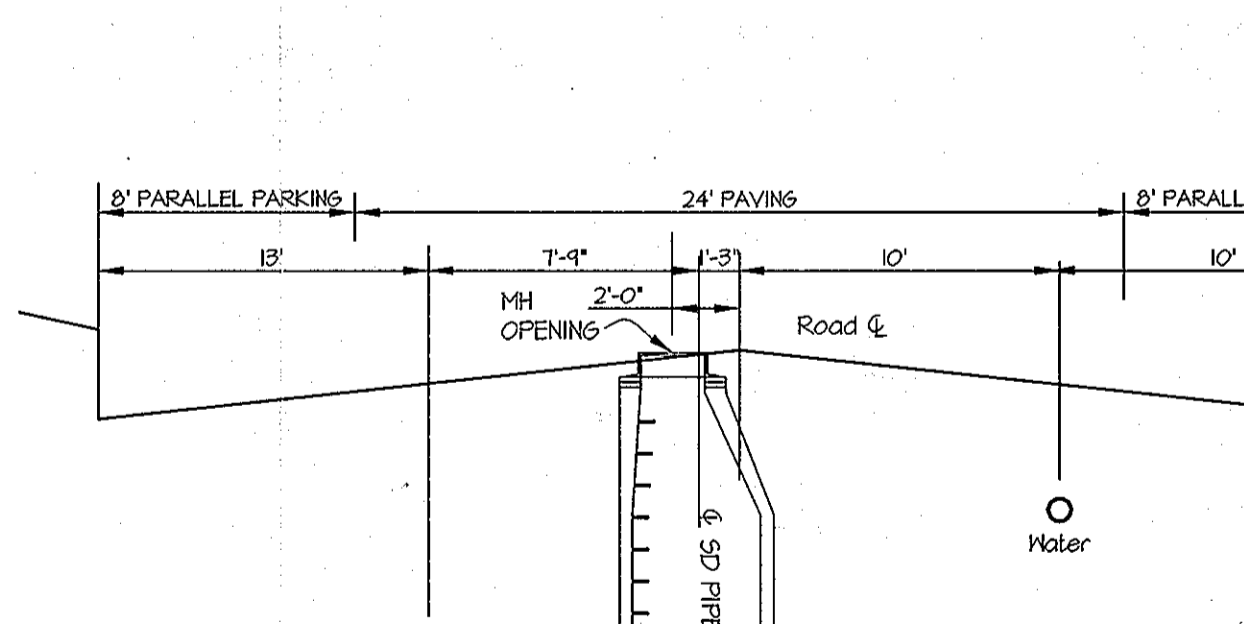


24' PAVING WIDTH (with indented parking) ALONG WESTSIDE BOULEVARD

4 TYPICAL UTILITY LOCATIONS (looking upstation) SCALE: 1"=6'

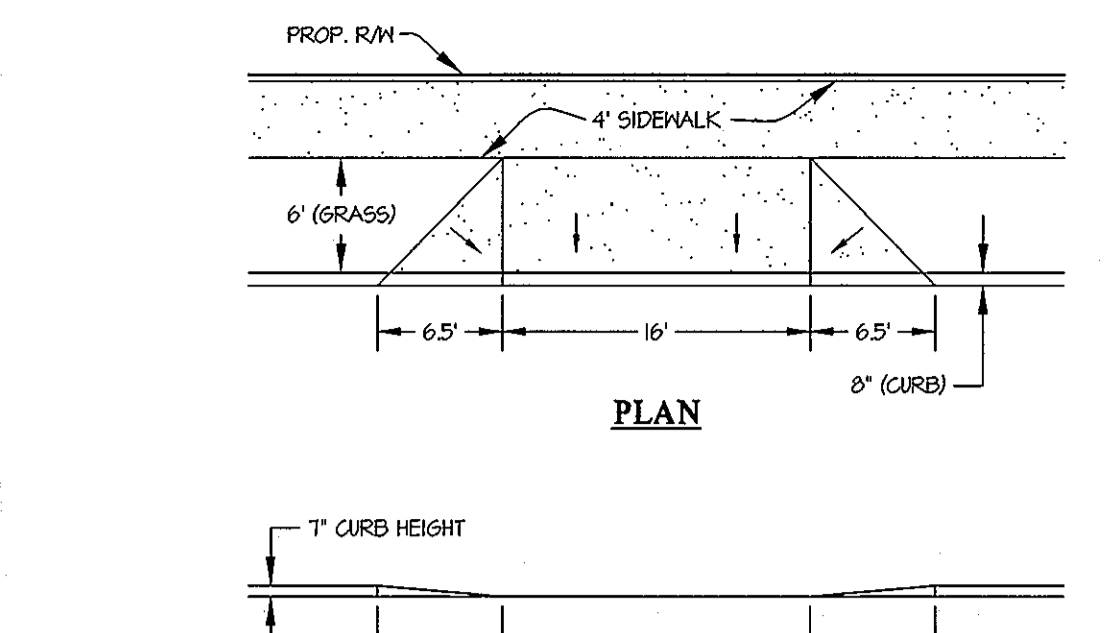


ALONG TERRACE LANE



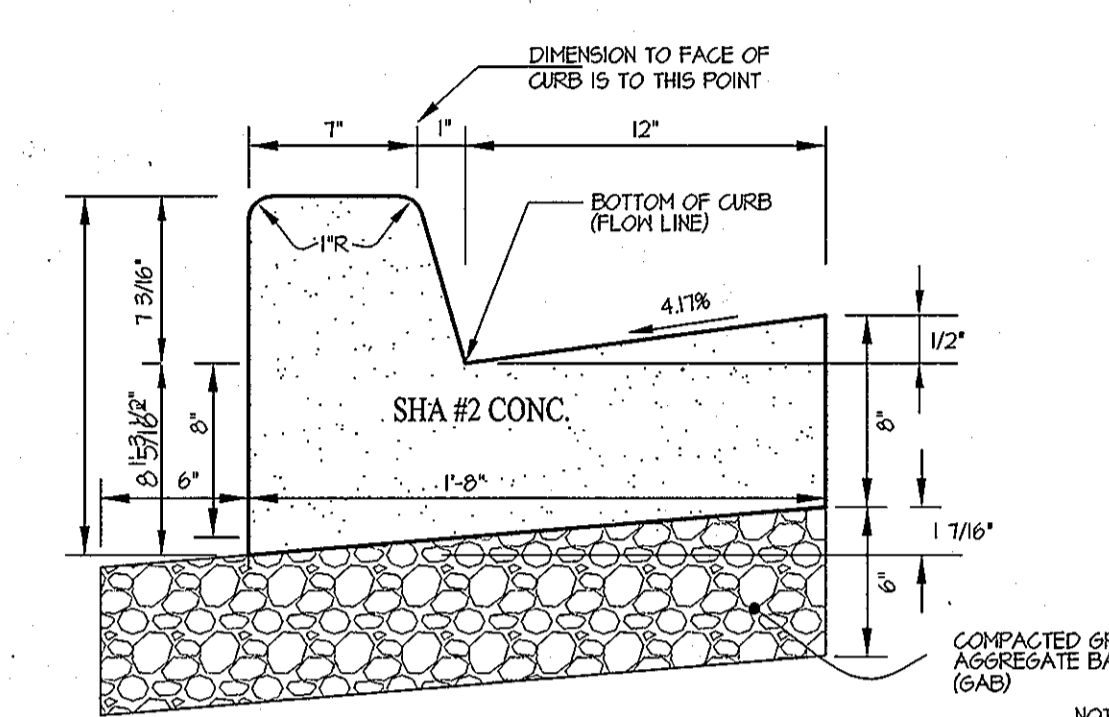
ALONG WESTSIDE BOULEVARD

5 DETAIL FOR SETTING STORM DRAIN MANHOLES IN ROADS (looking upstation) SCALE: 1"=6'

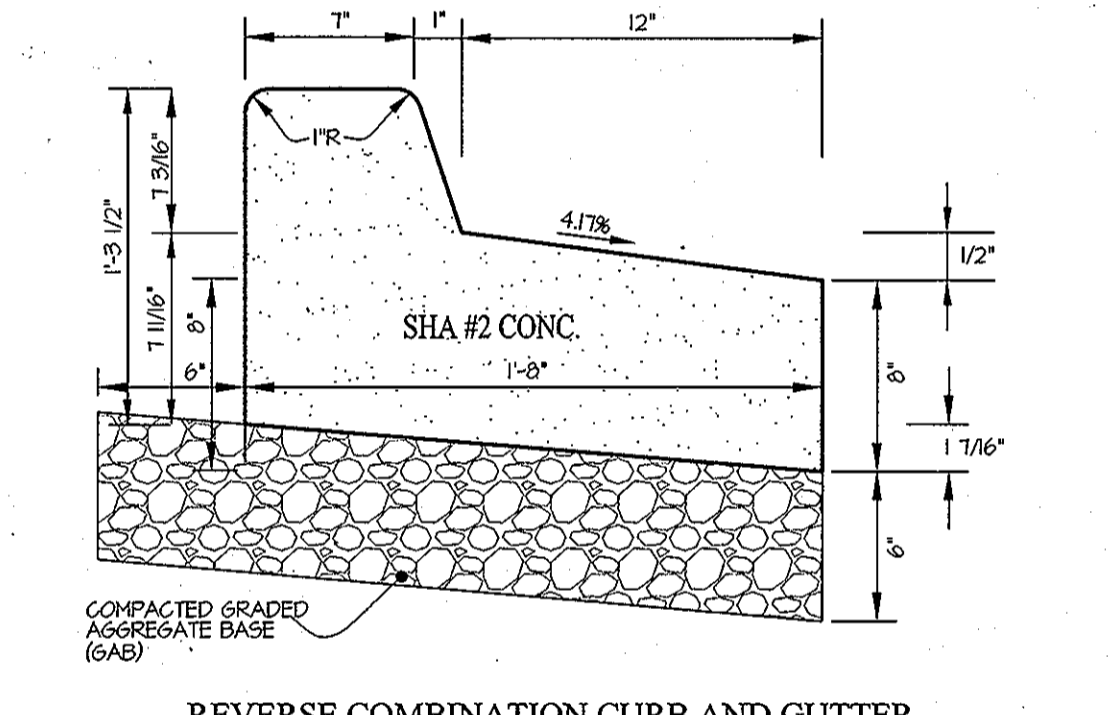


PROFILE ALONG CURB

6 TYPICAL ALLEY ENTRANCE DETAIL NO SCALE

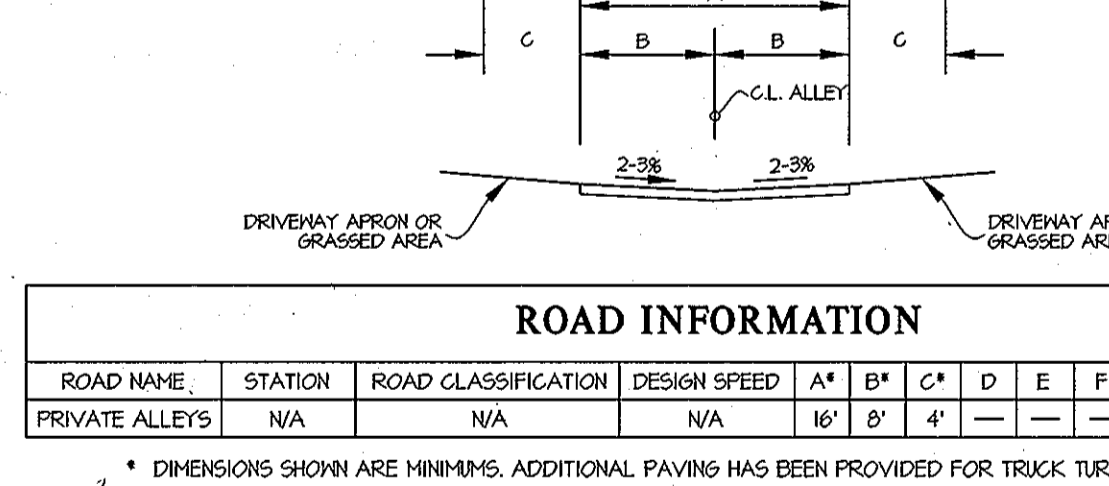


STANDARD COMBINATION CURB AND GUTTER



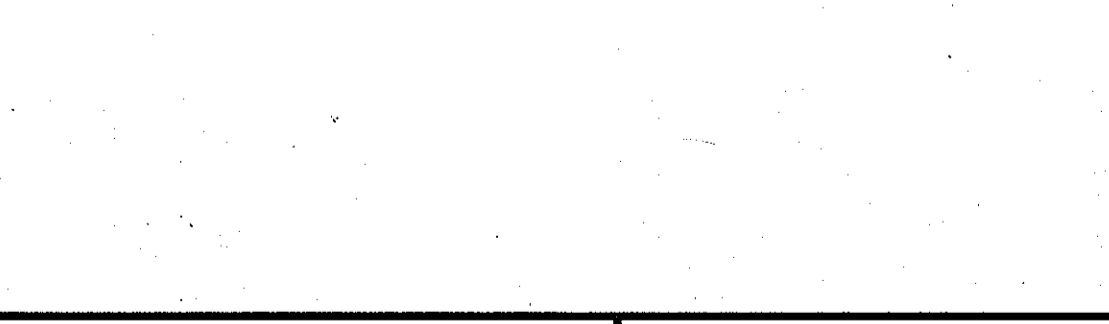
REVERSE COMBINATION CURB AND GUTTER

7 7" CONCRETE CURB AND GUTTER (STANDARD AND REVERSE) NO SCALE

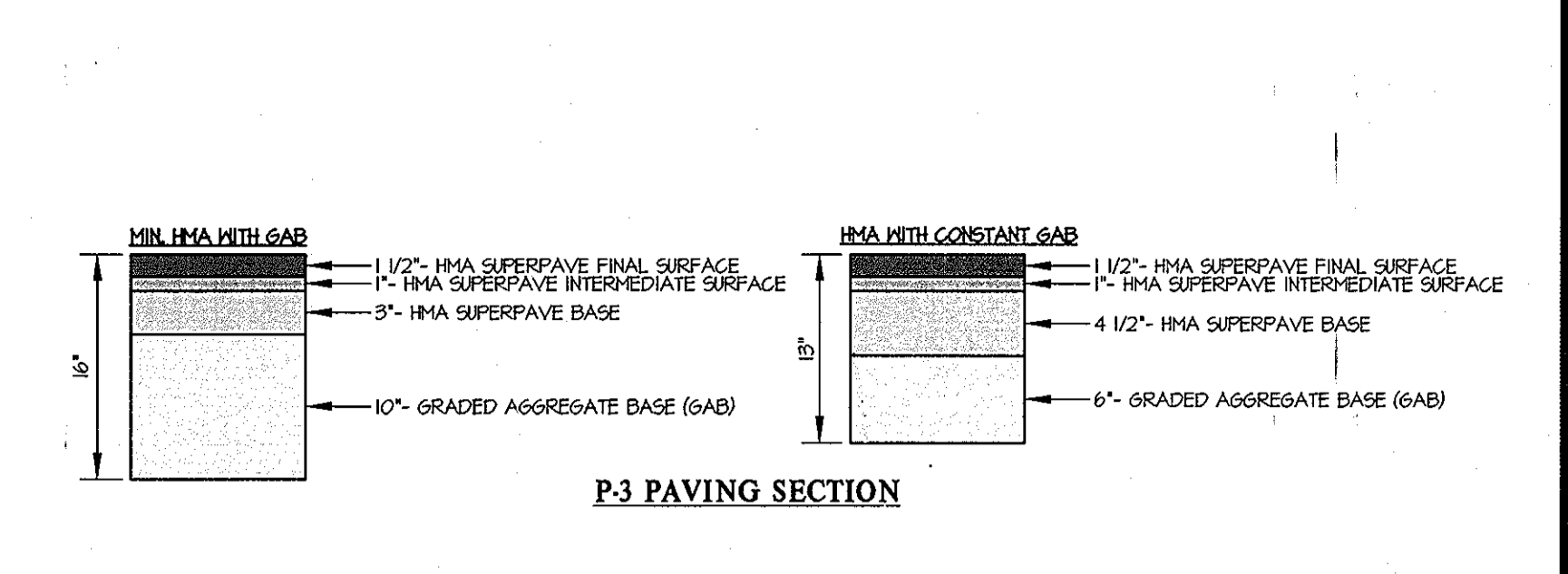


7" CONCRETE CURB AND GUTTER (STANDARD AND REVERSE) NO SCALE

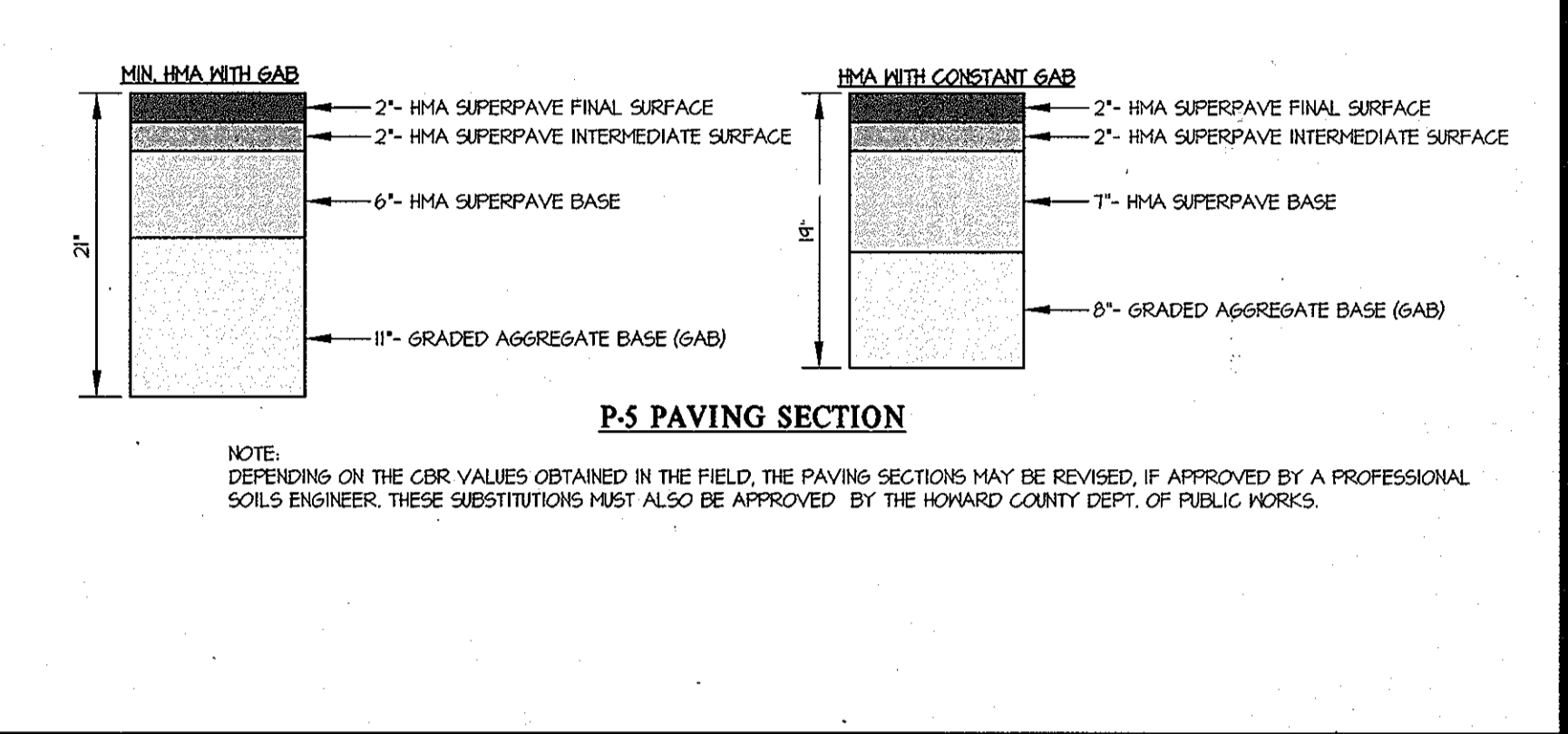
8 TYPICAL ROAD SECTION FOR ALLEYS SCALE: 1"=10'



TYPICAL ROAD SECTION FOR ALLEYS SCALE: 1"=10'

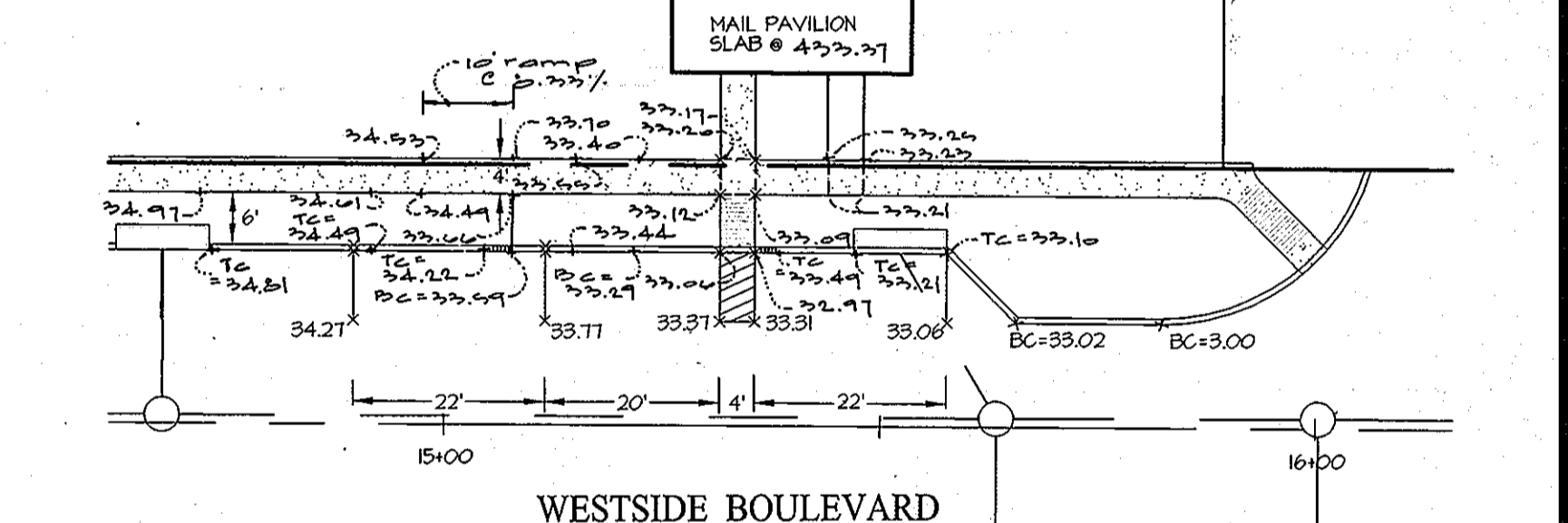


P-3 PAVING SECTION



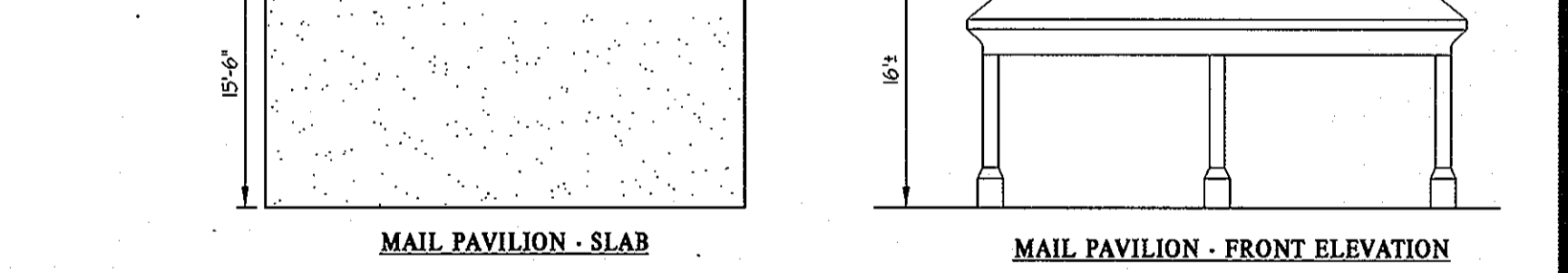
P-5 PAVING SECTION

9 PAVING SECTIONS NO SCALE



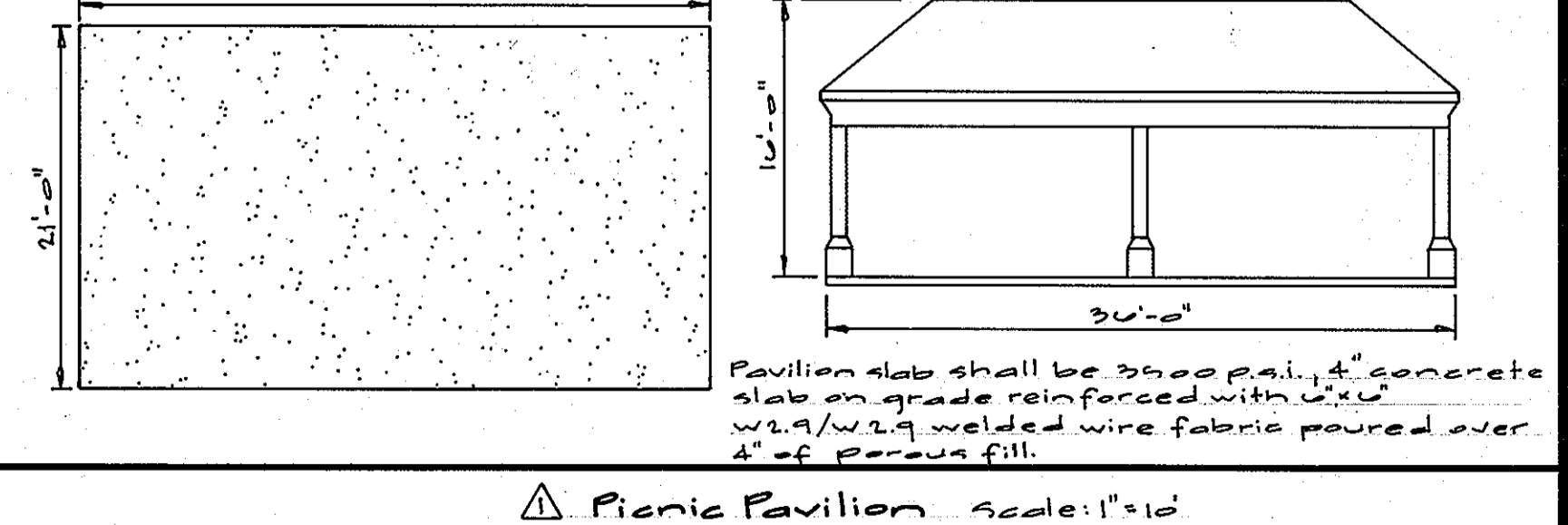
WESTSIDE BOULEVARD

10 MAIL PAVILION - PLAN SCALE: 1"=20'



MAIL PAVILION - SLAB
MAIL PAVILION - FRONT ELEVATION

11 MAIL PAVILION DETAILS SCALE: 1"=10'



MAIL PAVILION DETAILS SCALE: 1"=10'

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Walter Z. ... 2-21-12
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Kat ... 3/6/12
 Chief, Division of Land Development Date

... 3/7/12
 Chief, Development Engineering Division Date

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20886
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

| NO. | DATE | REVISION | BY | APP'R. |
|-----|----------|--|--------|--------|
| 07 | 10/10/12 | Revised sections to indicate "indented" mail pavilion grades and added picnic pavilion detail. | B.E.V. | |

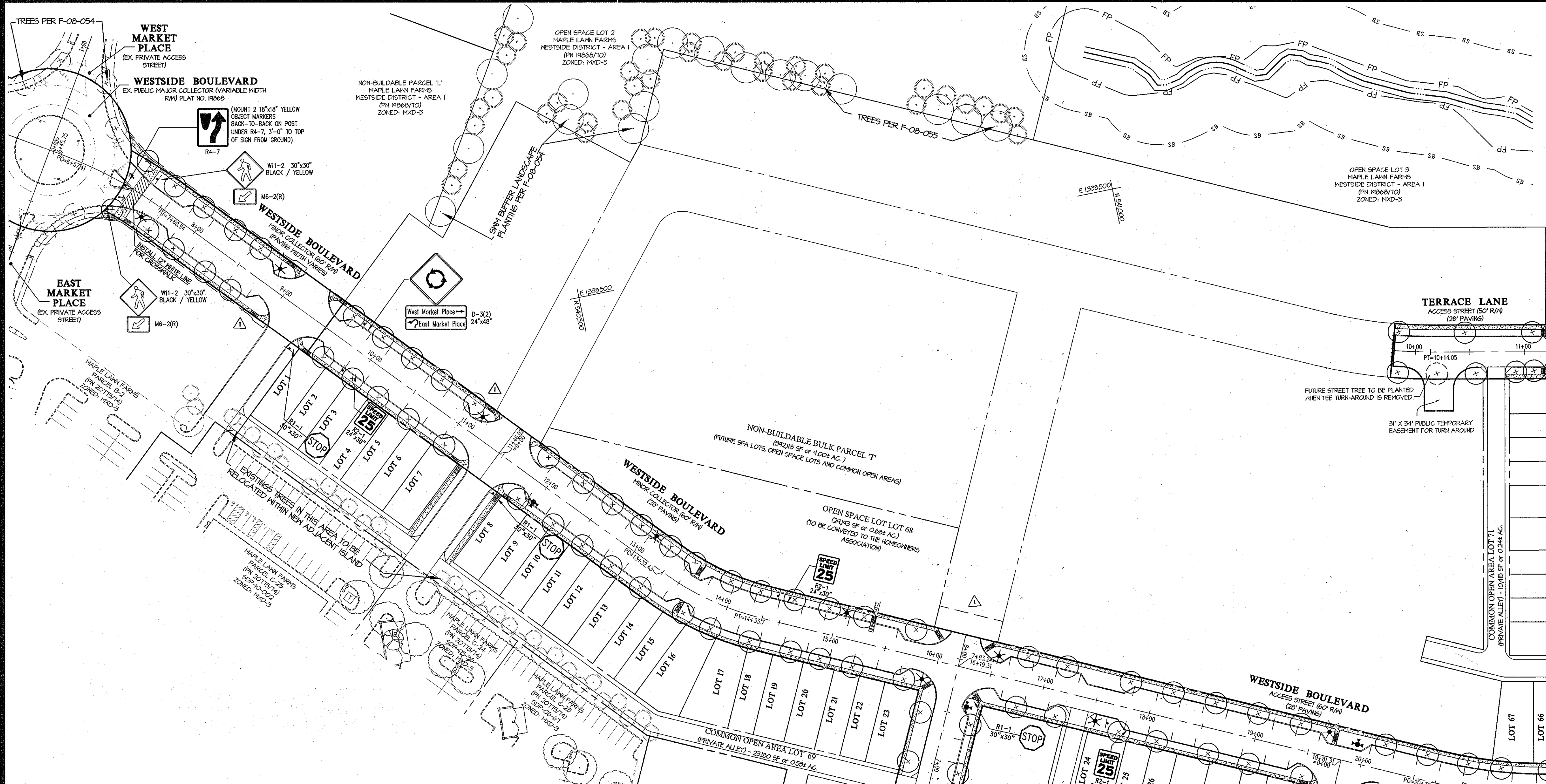
PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS 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. 12925
 EXPIRATION DATE: MAY 26, 2012
 2/2/12



ROAD DETAILS
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, C.O.A. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE NO. |
|---------------|----------------|-------------------|
| AS SHOWN | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 7 OF 22 |



- PAVEMENT MARKING LEGEND**
 → DIRECTION OF FLOW (NOT TO BE SHOWN IN FIELD)
- NOTES:**
- SIDEWALKS AND TREES LOCATED WITHIN THE RIGHT-OF-WAYS FOR WESTSIDE BOULEVARD ARE SHOWN FOR INFORMATIONAL AND BIDDING PURPOSES. SIDEWALKS AND TREES WILL BE INSTALLED IN CONJUNCTION WITH ADJACENT SITE DEVELOPMENT PLANS.
 - SIDEWALKS AND STREET TREES ALONG PRIVATE ACCESS ROADS WILL BE PROVIDED AT SITE DEVELOPMENT PLAN STAGE.
 - SPLITTER ISLANDS WITHIN COUNTY RIGHT-OF-WAY TO BE INLAYED WITH RED STAMPED CONCRETE UNLESS OTHERWISE NOTED. CONCRETE TO BE DYED RED, NOT PAINTED.
 - ALL PAVEMENT MARKINGS, STREET TREES AND SIGN LOCATIONS SHALL BE APPROVED BY HOWARD COUNTY TRAFFIC DIVISION PRIOR TO ANY INSTALLATION (410-319-5152).
 - STREET TREES SHALL BE PLACED A MINIMUM OF 15' FROM ALL SIGNS AND INTERSECTIONS WHEN PLANTED BETWEEN THE SIDEWALK AND CURB, AND BE LOCATED WITH CONSIDERATION TO UNDERGROUND UTILITIES AND STRUCTURES. STREET TREES MAY NOT BE PLANTED WITHIN 5' OF A DRAIN INLET STRUCTURE, WITHIN 5' OF AN OPEN SPACE ACCESS STRIP, AND WITHIN 10' OF A DRIVEWAY.

MINIMUM TREE QUANTITIES AND PREFERRED SPACINGS ARE AS FOLLOWS (PER 5-06-16):
 ALL STREETS: 1 TREE PER 40 LINEAR FEET, BOTH SIDES
 PRIVATE ALLEYS: NO TREES REQUIRED

THESE ARE ONLY MINIMUM STANDARDS. TREES SHOULD BE PLACED TO ALIGN WHERE POSSIBLE WITH LOT LINES AND DEMISING WALLS OF UNITS SO AS TO AVOID BLOCKING THE FRONTS AND/OR DOORS AND WINDOWS OF UNITS.

| SYMBOL | NAME (BOTANICAL/COMMON) | SIZE | REMARKS |
|--------|---|-------------|------------------|
| ○ | ACER SACCHARIN / GREEN MOUNTAIN SUGAR MAPLE | 2 1/2" cal. | B 4 B FULL HEADS |

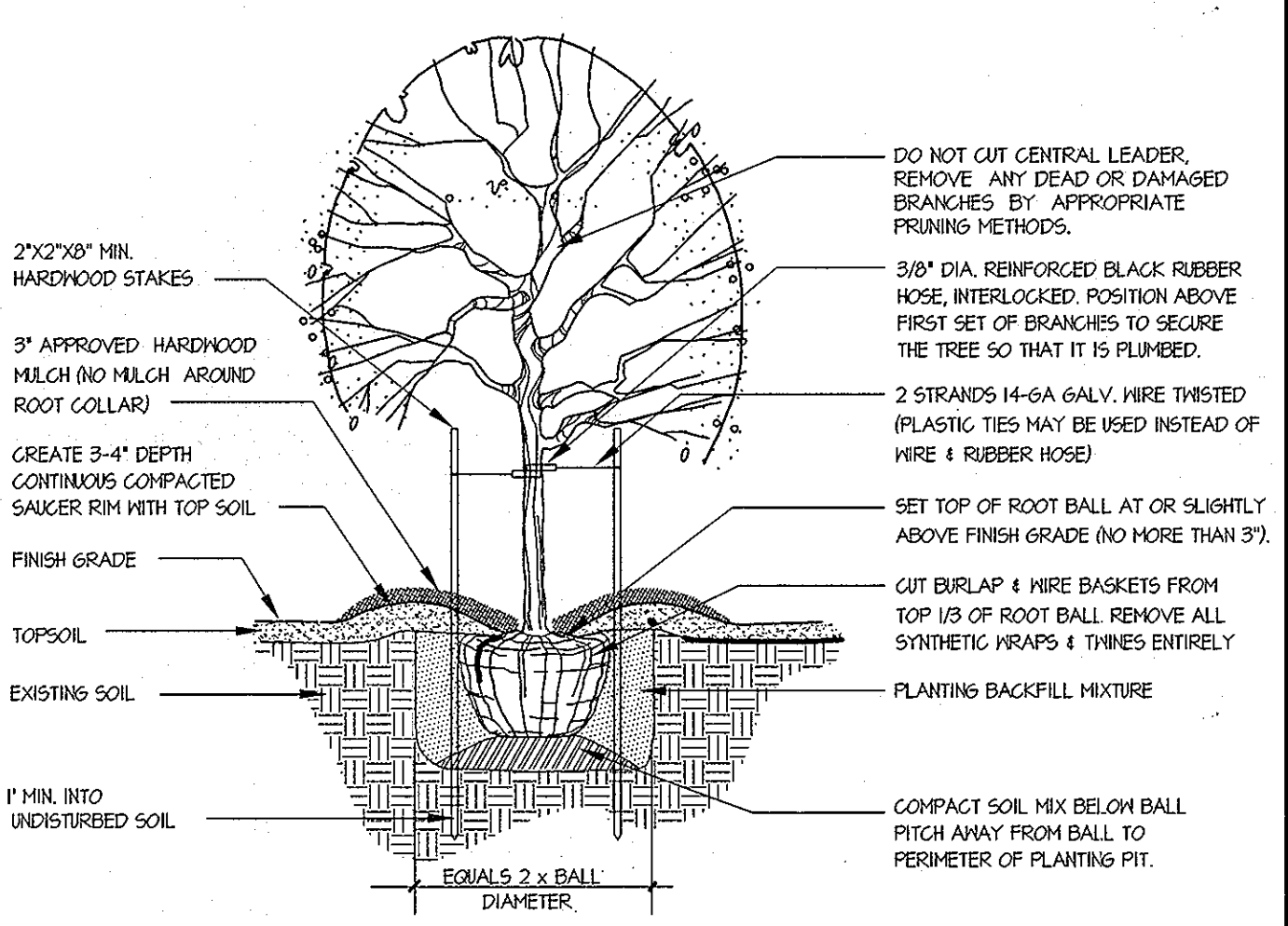
STREET TREE REQUIREMENTS

| ROAD | LENGTH OF CURB (L.F.) | # OF TREES REQUIRED | # OF TREES PROVIDED |
|----------------|-----------------------|---------------------|---------------------|
| WESTSIDE BLVD. | 2,504 | 63 | 63 |
| MARKET STREET | 571 | 15 | 15 |
| TERRACE LANE | 1,256 | 32 | 32 |

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 2-21-12
 Chief, Bureau of Highways

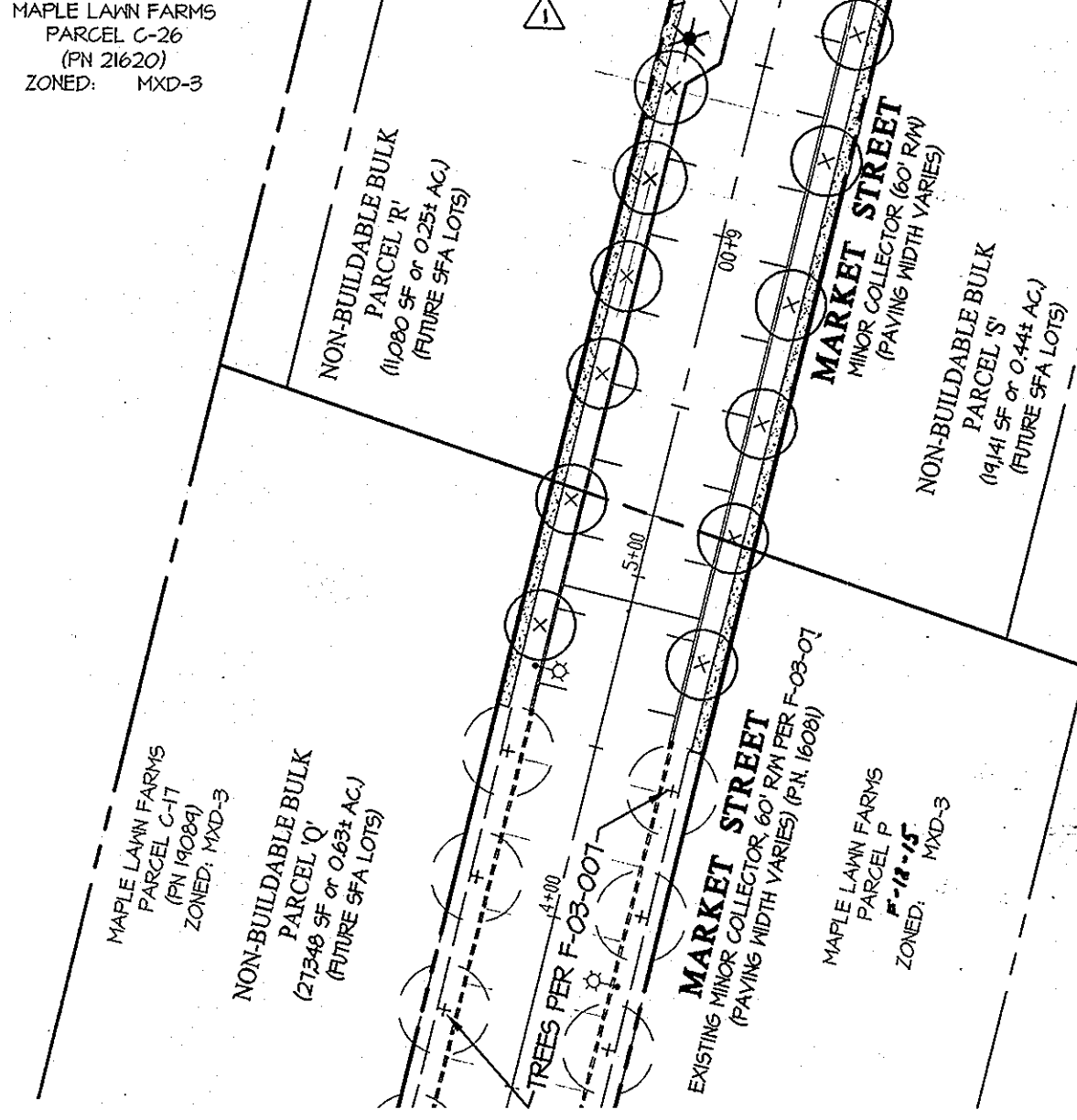
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 [Signature] 3/09/12
 Chief, Division of Land Development

[Signature] 3/7/12
 Chief, Development Engineering Division



NOTE: ALL SUPPORTING DEVICES (STAKES, WIRES, ETC.) SHALL BE REMOVED AFTER 2 GROWING SEASONS.

DECIDUOUS TREE PLANTING DETAIL
 FOR PLANTING MATERIAL UP TO 3 1/2" CALIBER



Street Light Schedule

| Location | Lamp Type | Fixture | Pole Type | Location | Lamp Type | Fixture | Pole Type |
|------------------------------------|--------------------|------------|----------------|--------------------------------------|--------------------|------------|----------------|
| Westside Blvd. Sta. 7+55 to 16+00 | 100 watt HPS Vapor | Acorn Post | 12' Black P.G. | Westside Blvd. Sta. 22+25 to 22' Lt. | 100 watt HPS Vapor | Acorn Post | 12' Black P.G. |
| Westside Blvd. Sta. 16+00 to 16+12 | " | " | " | Terrace Lane Sta. 12+39 to 24' Lt. | 100 watt HPS Vapor | Acorn Post | 12' Black P.G. |
| Westside Blvd. Sta. 16+12 to 16+20 | " | " | " | Westside Blvd. Sta. 15+20 to 16' Lt. | " | " | " |
| Westside Blvd. Sta. 16+20 to 16+24 | " | " | " | Westside Blvd. Sta. 14+20 to 16' Lt. | " | " | " |
| Westside Blvd. Sta. 16+24 to 16+28 | " | " | " | Market Street Sta. 14+53 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+28 to 16+32 | " | " | " | Market Street Sta. 17+03 to 16' Lt. | " | " | " |
| Westside Blvd. Sta. 16+32 to 16+36 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+36 to 16+40 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+40 to 16+44 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+44 to 16+48 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+48 to 16+52 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+52 to 16+56 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+56 to 16+60 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+60 to 16+64 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+64 to 16+68 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+68 to 16+72 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+72 to 16+76 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+76 to 16+80 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+80 to 16+84 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+84 to 16+88 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+88 to 16+92 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+92 to 16+96 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |
| Westside Blvd. Sta. 16+96 to 17+00 | " | " | " | Market Street Sta. 17+03 to 24' Lt. | " | " | " |

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-959-2524 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|----------|---|----|-------|
| 01/10/10 | Revise street light location per Howard Co. review and added improvements associated with recreation area parking | | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

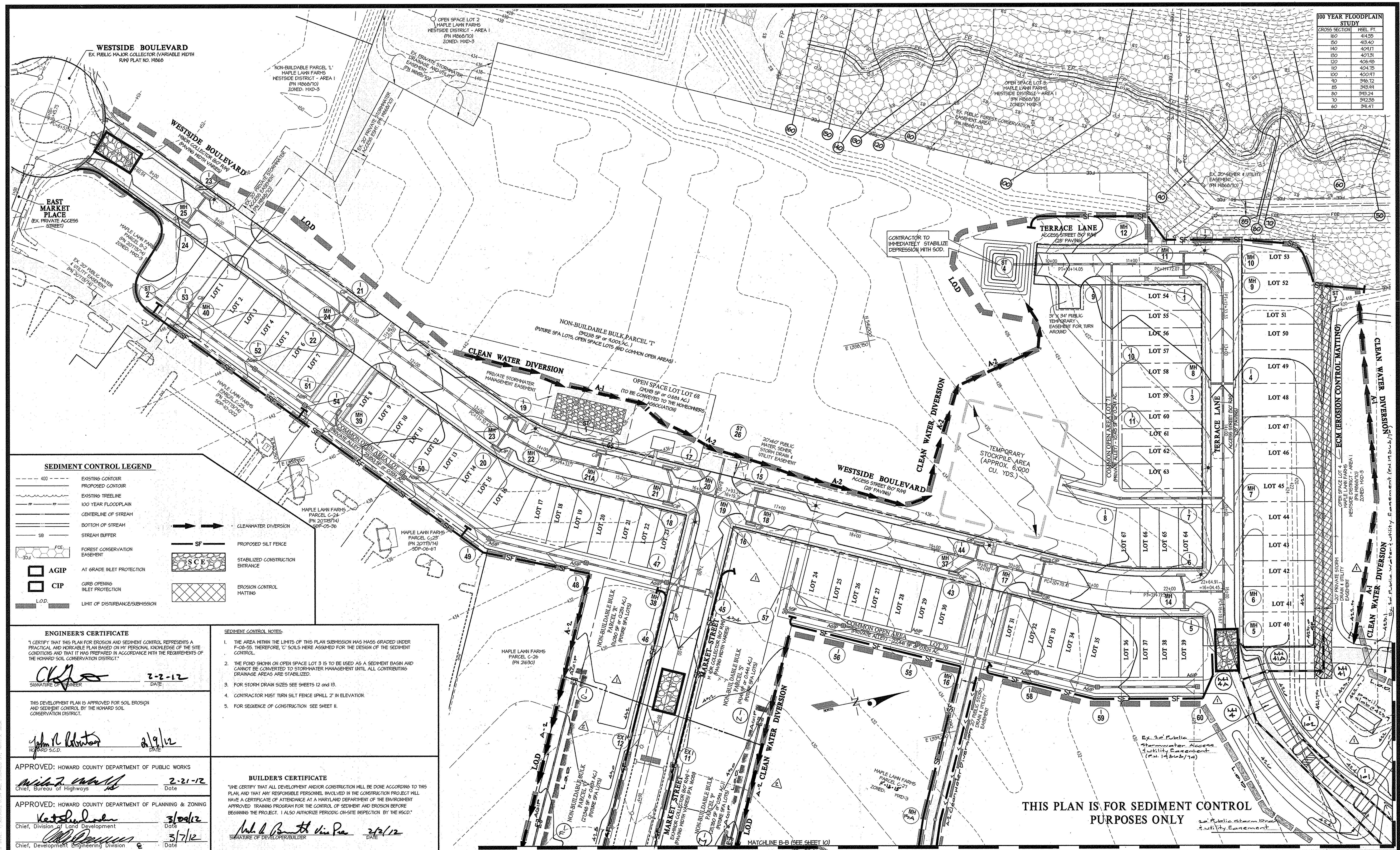
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975
 EXPIRATION DATE: MAY 26, 2012
 2-2-12



SIGNING, STREET TREE and LIGHTING
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2, LOTS 1 thru 67, O.S. LOT 68, C.O.A. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5

| SCALE | ZONING | G. L. W. FILE No. |
|---------------|----------------|-------------------|
| 1"=50' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 8 OF 22 |

| 100 YEAR FLOODPLAIN STUDY | |
|---------------------------|-----------|
| CROSS SECTION | ELEV. FT. |
| 160 | 414.55 |
| 150 | 413.40 |
| 140 | 404.11 |
| 130 | 401.31 |
| 120 | 406.83 |
| 110 | 404.15 |
| 100 | 400.91 |
| 90 | 396.12 |
| 85 | 393.91 |
| 80 | 393.24 |
| 70 | 392.36 |
| 60 | 394.41 |



SEDIMENT CONTROL LEGEND

| | | | |
|--|---------------------------------|--|----------------------------------|
| | EXISTING CONTOUR | | PROPOSED CONTOUR |
| | EXISTING TREELINE | | 100 YEAR FLOODPLAIN |
| | CENTERLINE OF STREAM | | BOTTOM OF STREAM |
| | STREAM BUFFER | | CLEANNATER DIVERSION |
| | FOREST CONSERVATION EASEMENT | | PROPOSED SILT FENCE |
| | AT GRADE INLET PROTECTION | | STABILIZED CONSTRUCTION ENTRANCE |
| | CURB OPENING INLET PROTECTION | | EROSION CONTROL MATTING |
| | LIMIT OF DISTURBANCE/SUBMISSION | | |

ENGINEER'S CERTIFICATE
 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *Chad A. ...* DATE: 2-2-12

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *John R. ...* DATE: 2/9/12

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 Signature: *Michelle ...* DATE: 2-21-12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Signature: *Kathleen ...* DATE: 3/6/12
 Signature: *...* DATE: 3/7/12

- SEDIMENT CONTROL NOTES:**
1. THE AREA WITHIN THE LIMITS OF THIS PLAN SUBMISSION HAS MASS GRADED UNDER F-08-55. THEREFORE, 'C' SOILS WERE ASSIGNED FOR THE DESIGN OF THE SEDIMENT CONTROL.
 2. THE POND SHOWN ON OPEN SPACE LOT 3 IS TO BE USED AS A SEDIMENT BASIN AND CANNOT BE CONVERTED TO STORMWATER MANAGEMENT UNTIL ALL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.
 3. FOR STORM DRAIN SIZES SEE SHEETS 12 AND 13.
 4. CONTRACTOR MUST TURN SILT FENCE UPHILL 2' IN ELEVATION.
 5. FOR SEQUENCE OF CONSTRUCTION SEE SHEET II.

BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND 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 HSCD.
 Signature: *Mark Bennett* DATE: 2/2/12

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTNSVILLE OFFICE PARK
 BURTNSVILLE, MARYLAND 20886
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-959-2524 FAX: 301-421-4185

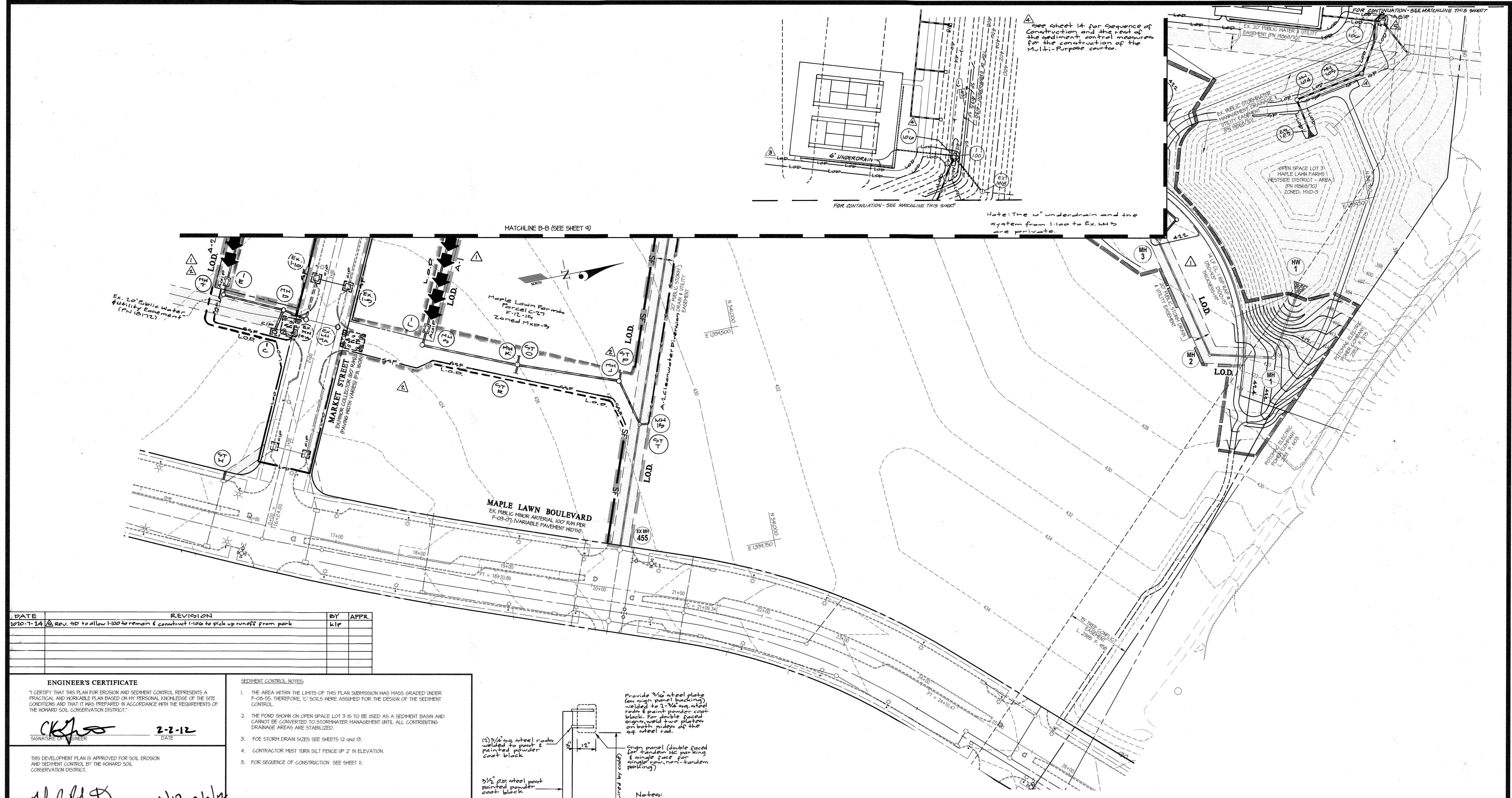
| DATE | REVISION | BY | APP'R. |
|----------|---|-----|--------|
| 02/16/12 | Added silt fence in alley inlets along the rear of lots to trap silt. Added asphalt parking lot storm drains associated with the recreation area. Added pavilion. | BEV | |
| 02-20-12 | Added storm drains to serve alleys which will be created when the non-buildable parcels become residential lots. Revised sediment control accordingly. | | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS 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. 12875
 EXPIRATION DATE: MAY 28, 2012
 Signature: *Chad A. ...* DATE: 2-2-12

SEDIMENT CONTROL PLAN
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5

| SCALE | ZONING | G. L. W. FILE NO. |
|---------------|----------------|-------------------|
| 1"=50' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 9 OF 22 |



See sheet 14 for Sequence of Construction and the list of the sediment control measures for the construction of the Multi-Purpose center.

Note: The "u" underdrain and the system from 1+00 to Ex. MH3 are private.

MATCHLINE B-B (SEE SHEET 4)

FOR CONTINUATION - SEE MATCHLINE THIS SHEET

FOR CONTINUATION - SEE MATCHLINE THIS SHEET

| DATE | REVISION | BY | APPR. |
|------------|--|-----|-------|
| 10/10-7-14 | Rev. 9D to allow 1+00 to remain & construct 1+00 to pick up runoff from park | kjp | |

ENGINEER'S CERTIFICATE
 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

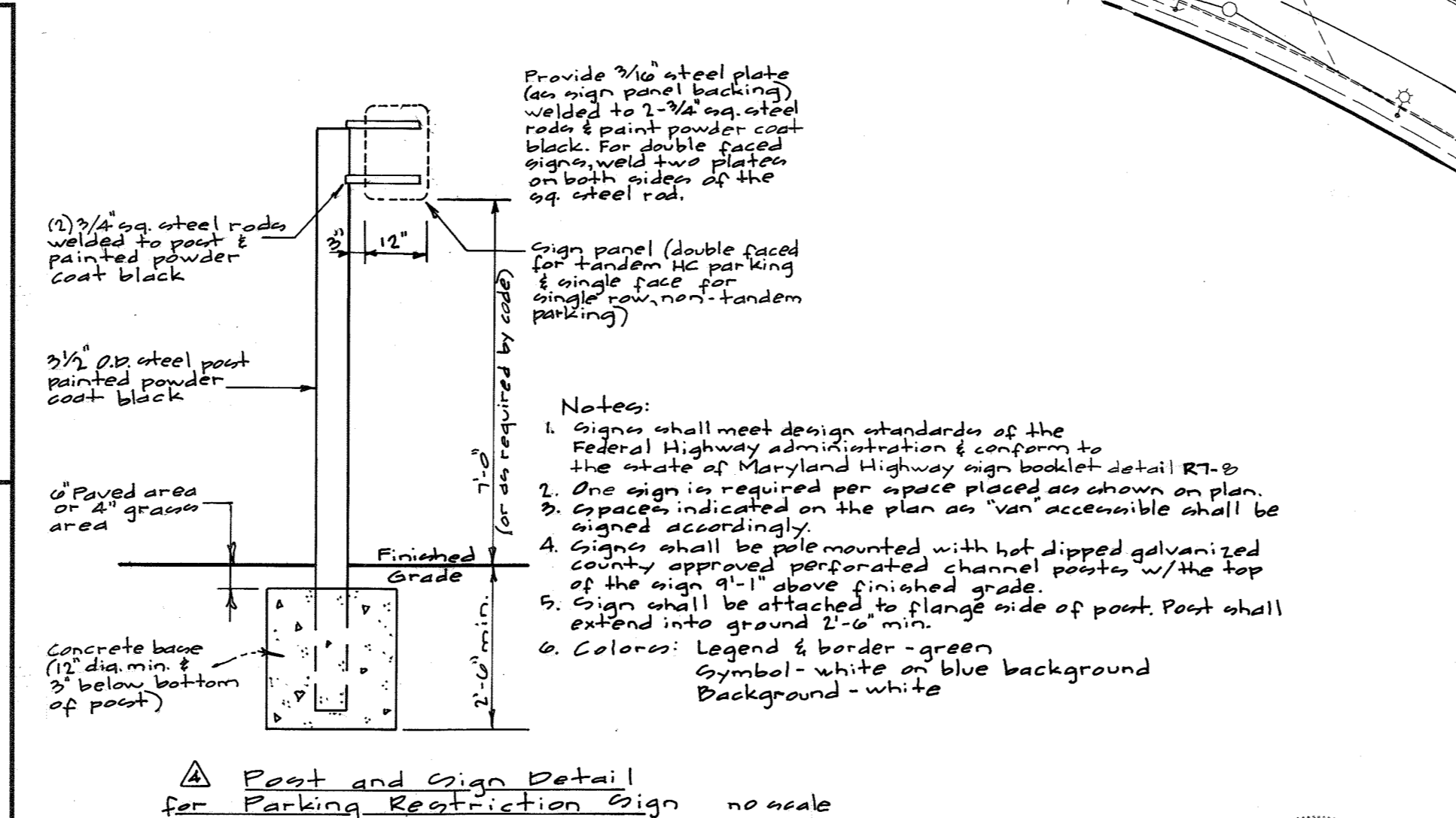
CKH 2-2-12
 SIGNATURE OF ENGINEER DATE

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

John R. Robertson 2/9/12
 HOWARD S.C.D. DATE

SEDIMENT CONTROL NOTES:

- THE AREA WITHIN THE LIMITS OF THIS PLAN SUBMISSION HAS MASS GRADED UNDER F-08-55. THEREFORE, 'V' SOILS WERE ASSUMED FOR THE DESIGN OF THE SEDIMENT CONTROL.
- THE POND SHOWN ON OPEN SPACE LOT 3 IS TO BE USED AS A SEDIMENT BASIN AND CANNOT BE CONVERTED TO STORMWATER MANAGEMENT UNTIL ALL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.
- FOR STORM DRAIN SIZES SEE SHEETS 12 AND 13.
- CONTRACTOR MUST TURN SILT FENCE UP 2' IN ELEVATION.
- FOR SEQUENCE OF CONSTRUCTION SEE SHEET 11.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Will R. ... 2-21-12
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Ken ... 2/09/12
 Chief, Division of Land Development Date

... 3/7/12
 Chief, Development Engineering Division Date

BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND 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 HSCD.

M.A. ... 2/2/12
 SIGNATURE OF DEVELOPER/BUILDER DATE

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20886
 TEL: 301-421-4024 FAX: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|------------|--|--------|-------|
| 2012.10.1 | Added stubs for yard drains to alley & inlets in os. Lot 4. Added asphalt path, parking & storm drain associated with the recreational area. | P.E.V. | |
| 2012.04.01 | Added storm drains to serve alley which will be created when the non-buildable parcels become residential lots. Rev. the sediment control accordingly. | W.S.J. | |
| 2012.04.01 | SHOWED GRADING, SEDIMENT CONTROL AND STORM DRAINS TO PICK UP RUNOFF FROM OPEN SPACE | H.K.J. | |
| 2010.04.01 | Replaced ex. 1+00 w/new 1+00 to divert runoff to ex. storm pond | kjp | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

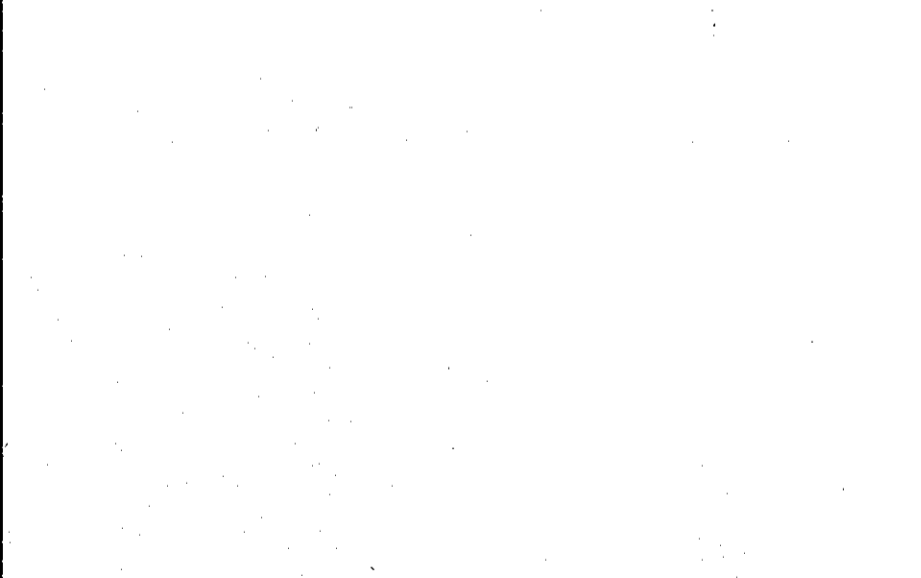
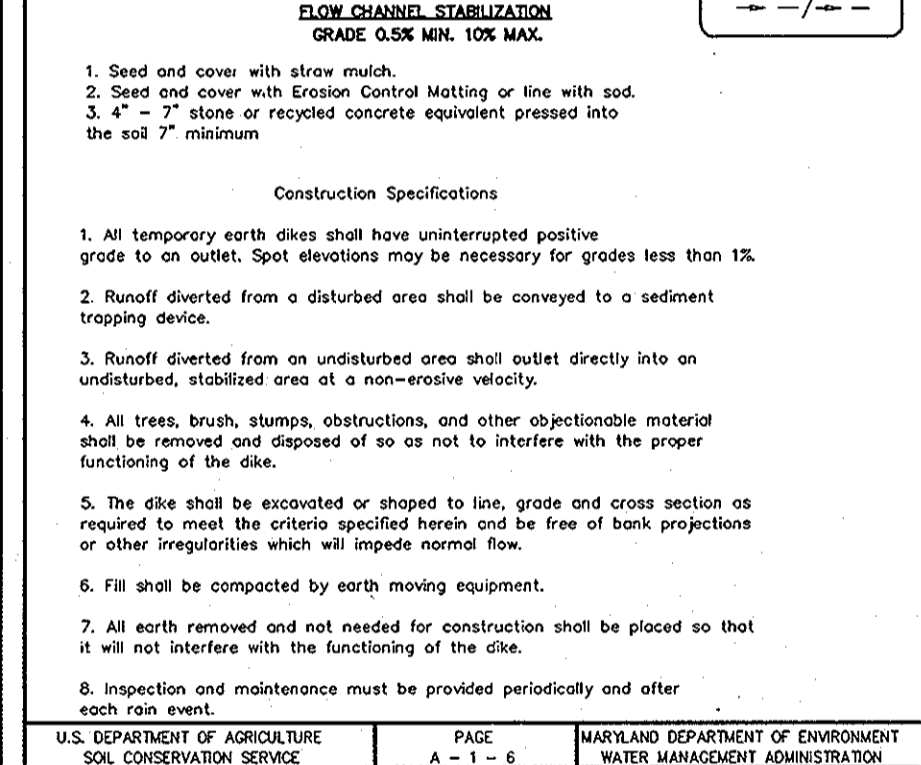
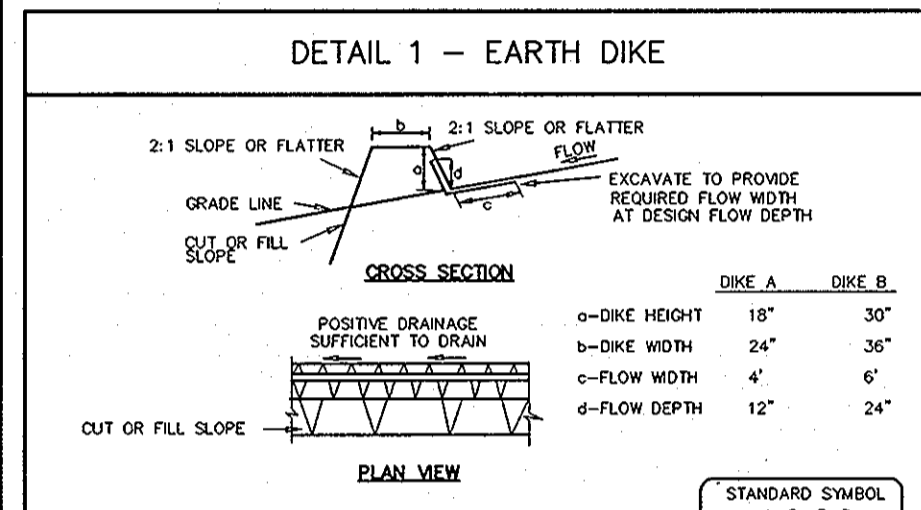
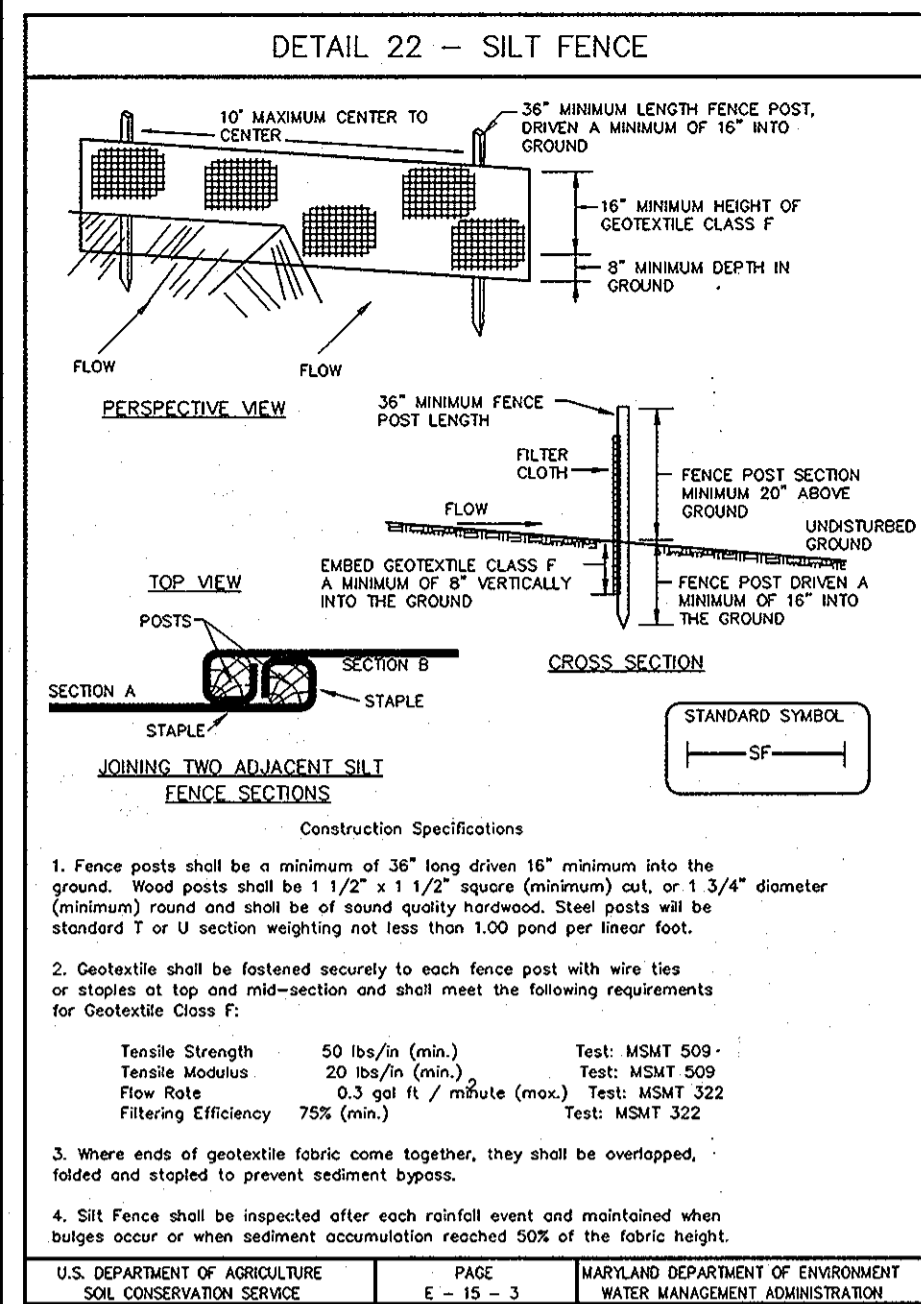
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975
 EXPIRATION DATE: MAY 26, 2012

CKH 2-2-12

THIS PLAN IS FOR SEDIMENT CONTROL PURPOSES ONLY

SEDIMENT CONTROL PLAN
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, COA. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5

| SCALE | ZONING | G. L. W. FILE No. |
|---------------|----------------|-------------------|
| 1"=50' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 10 OF 22 |

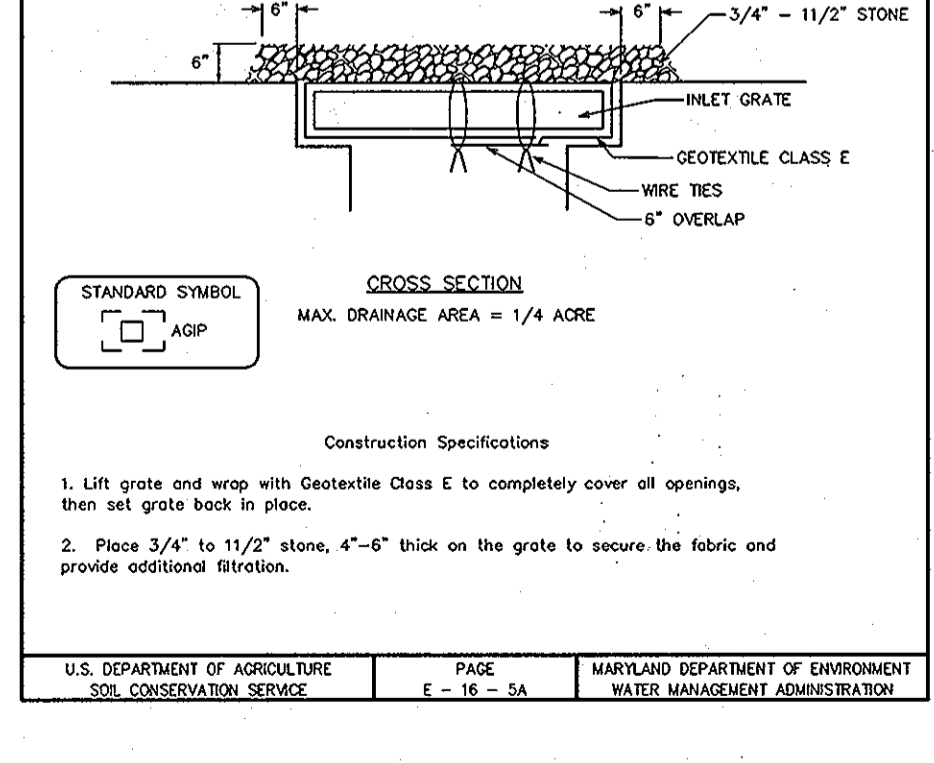
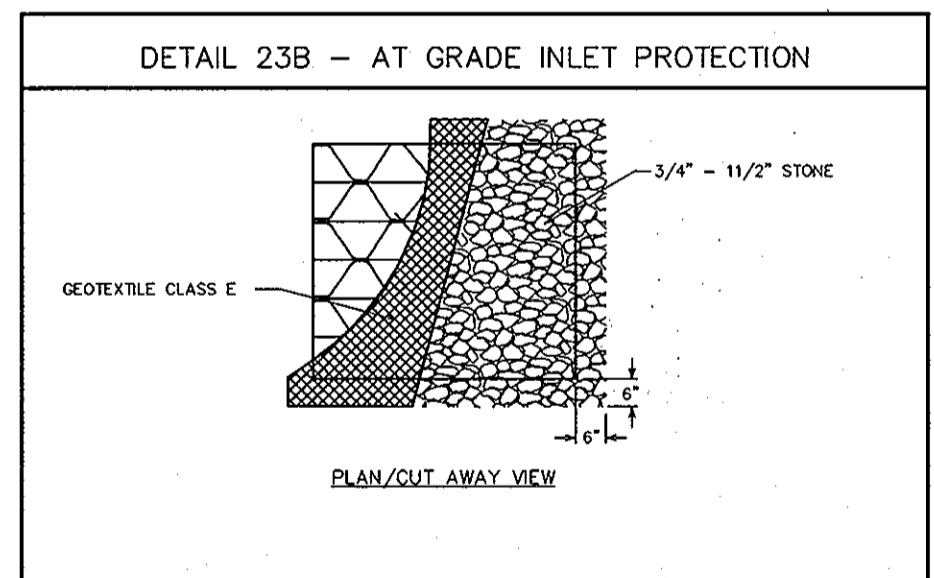
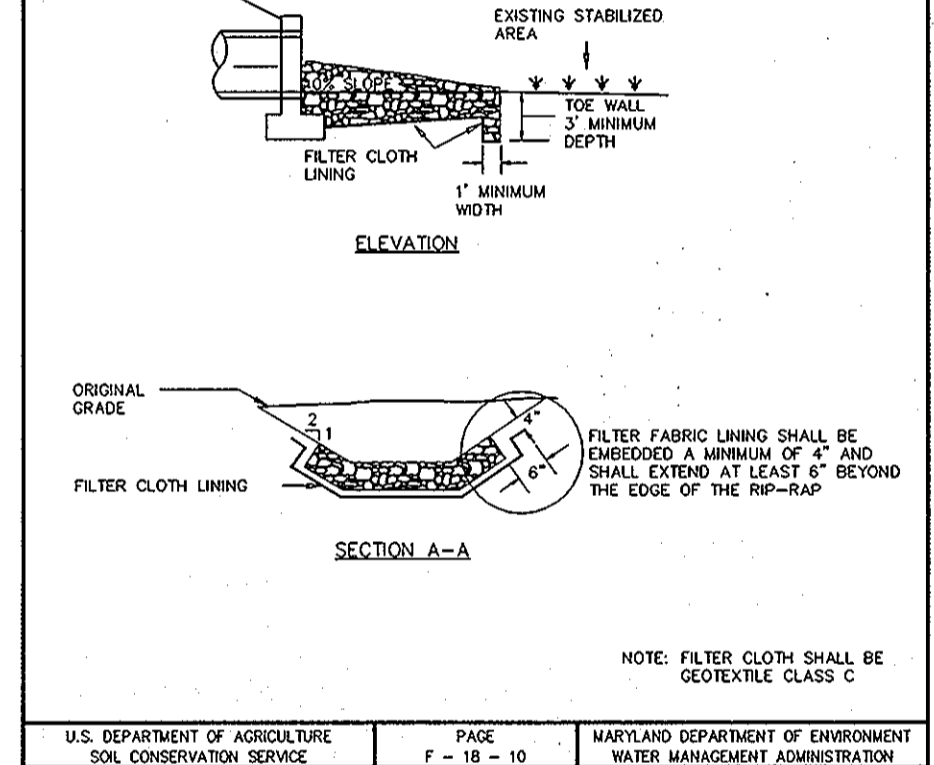
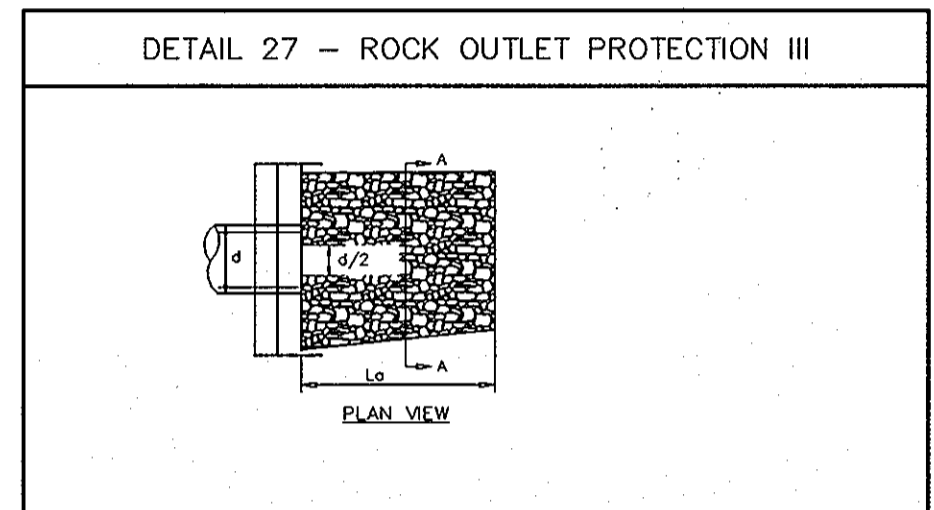
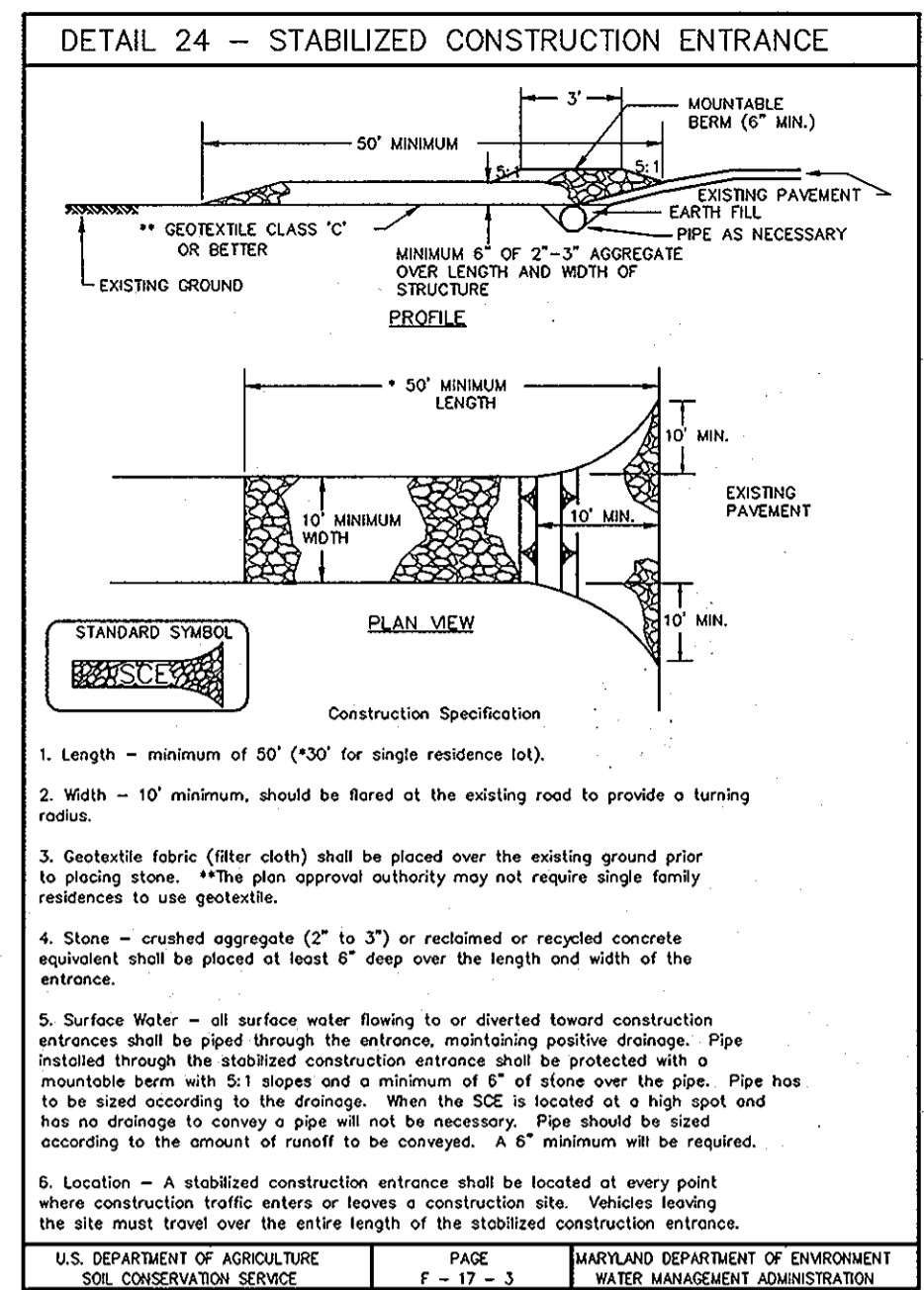


APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 2-21-12

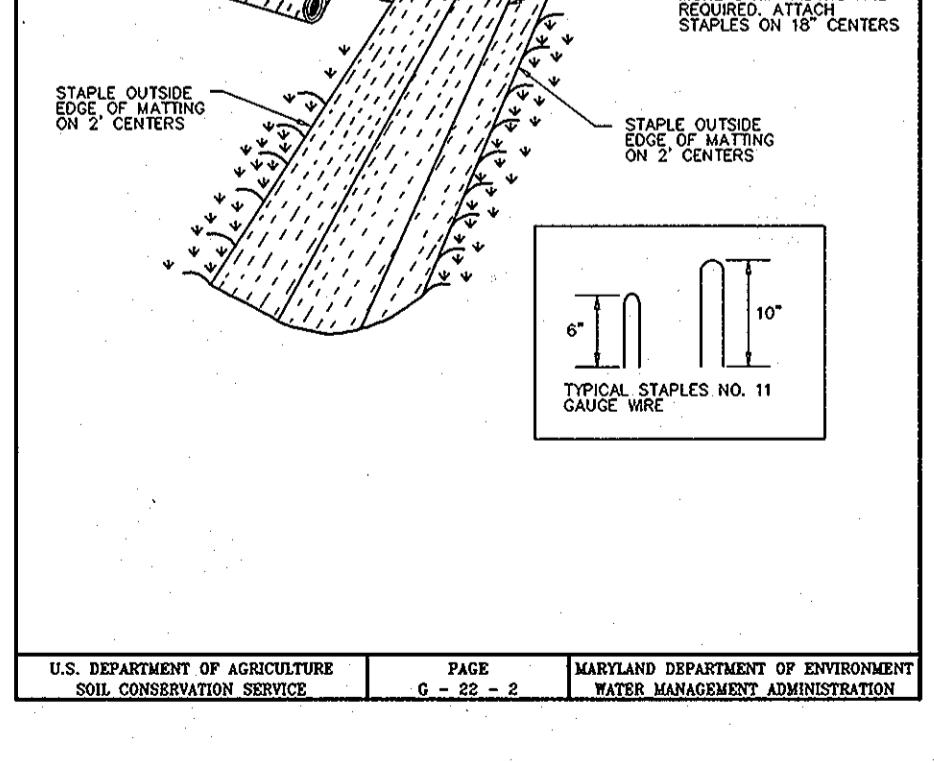
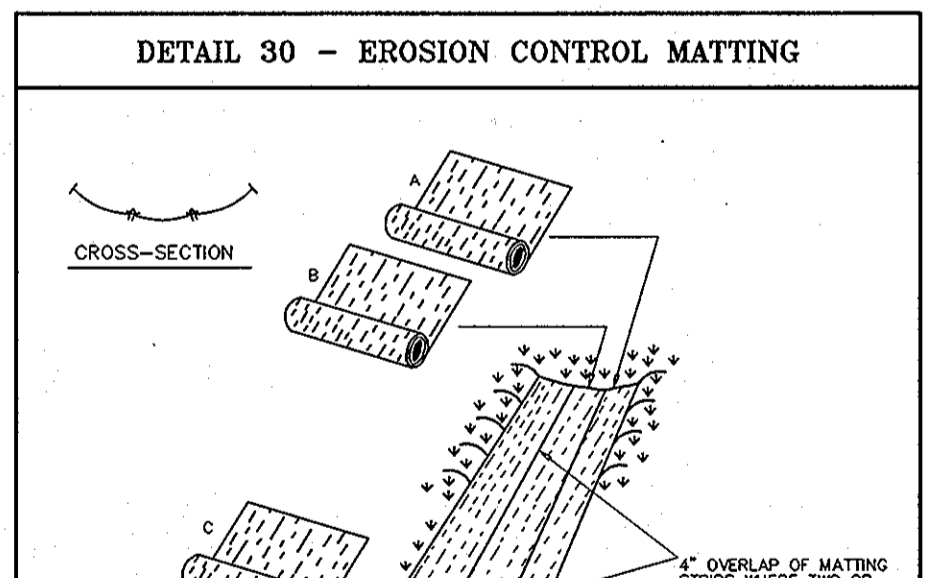
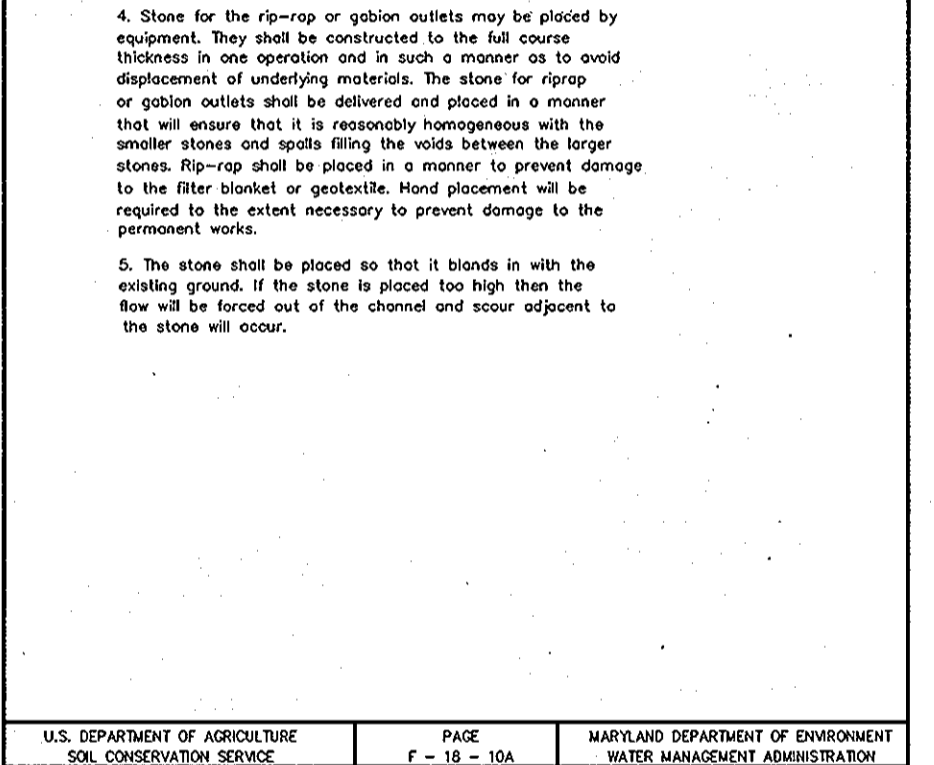
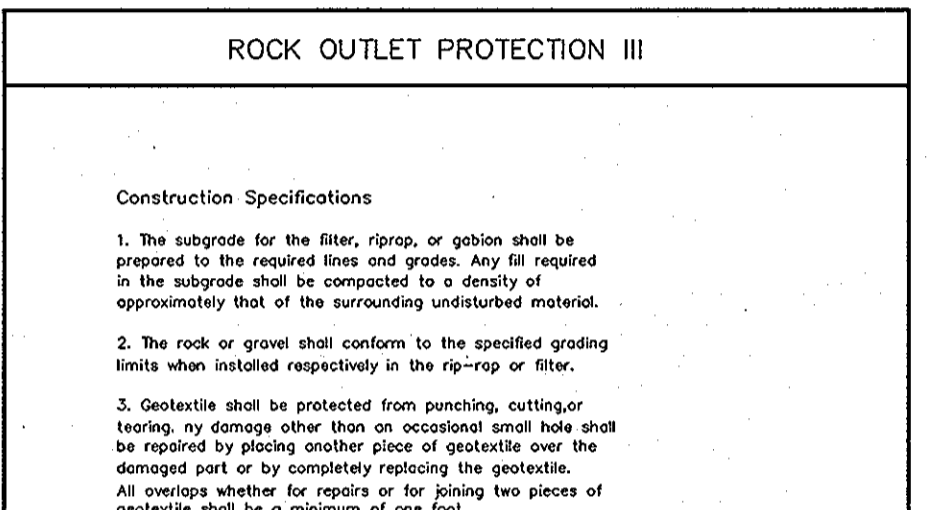
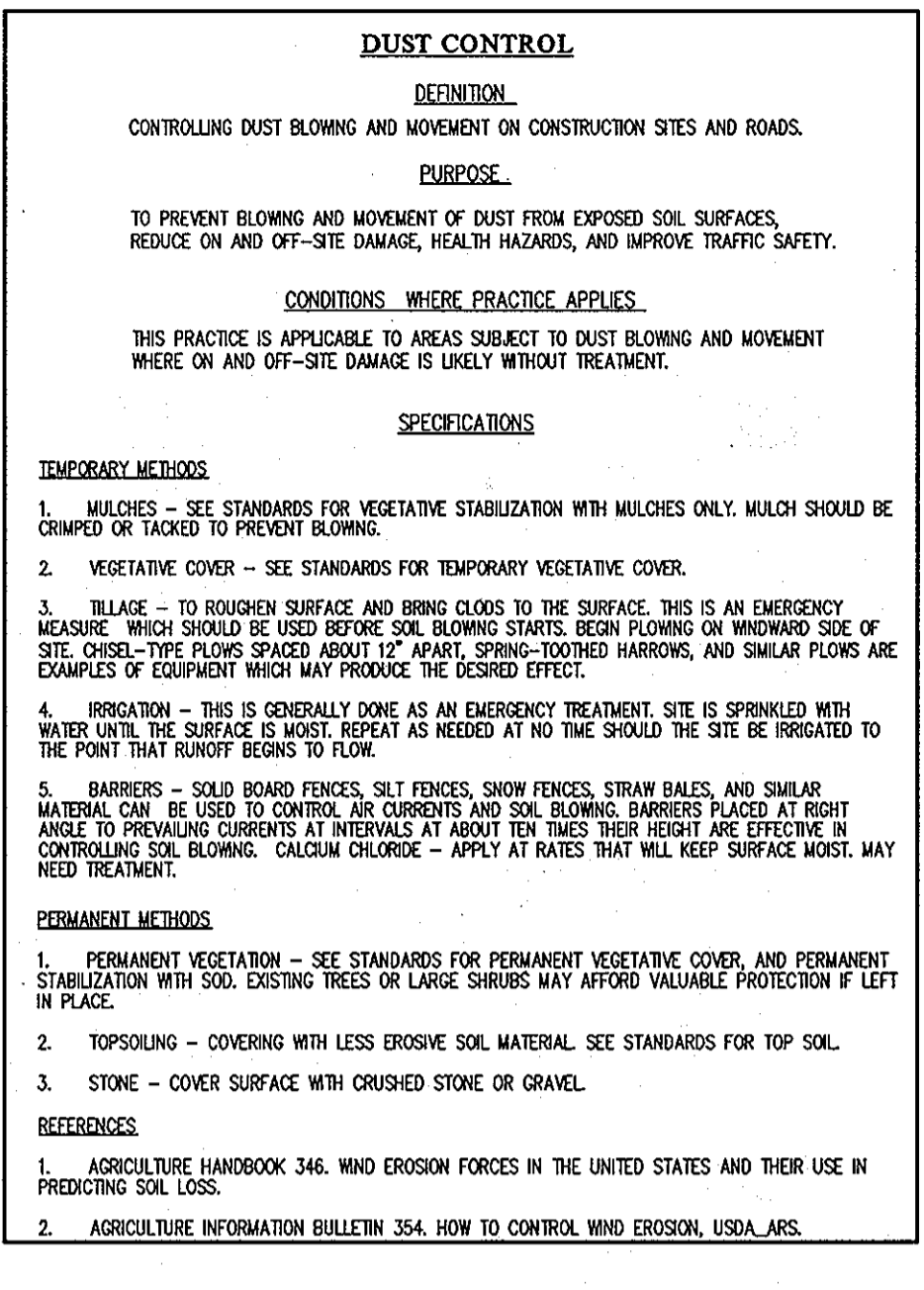
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 2/20/12

Chief, Development Engineering Division
 2/17/12

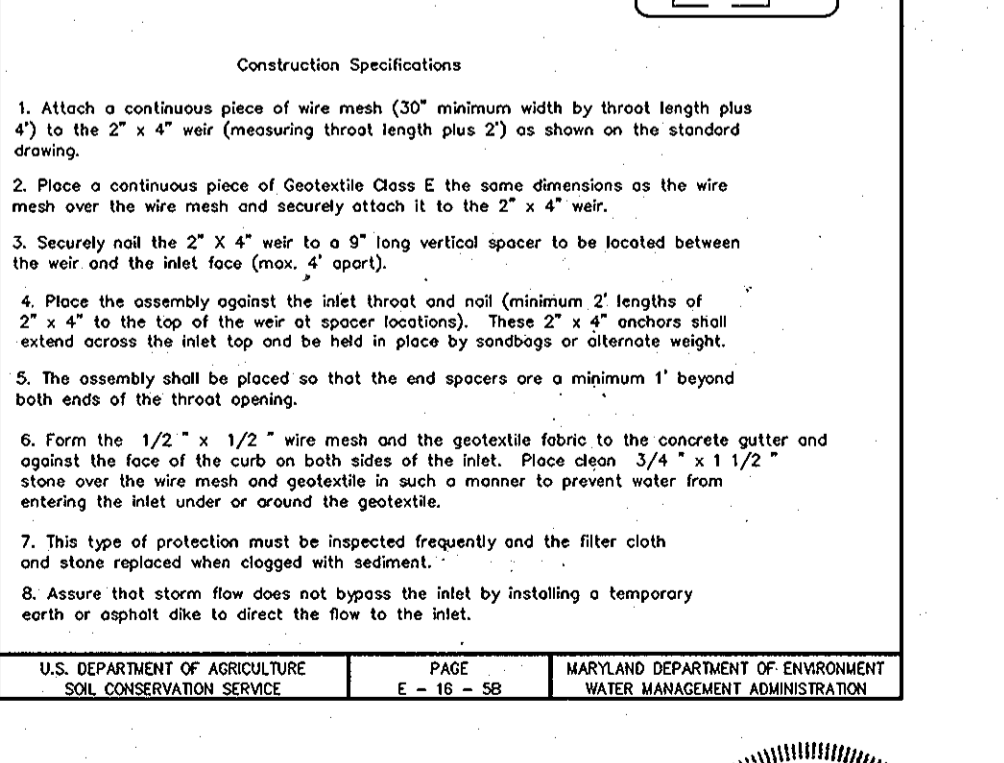
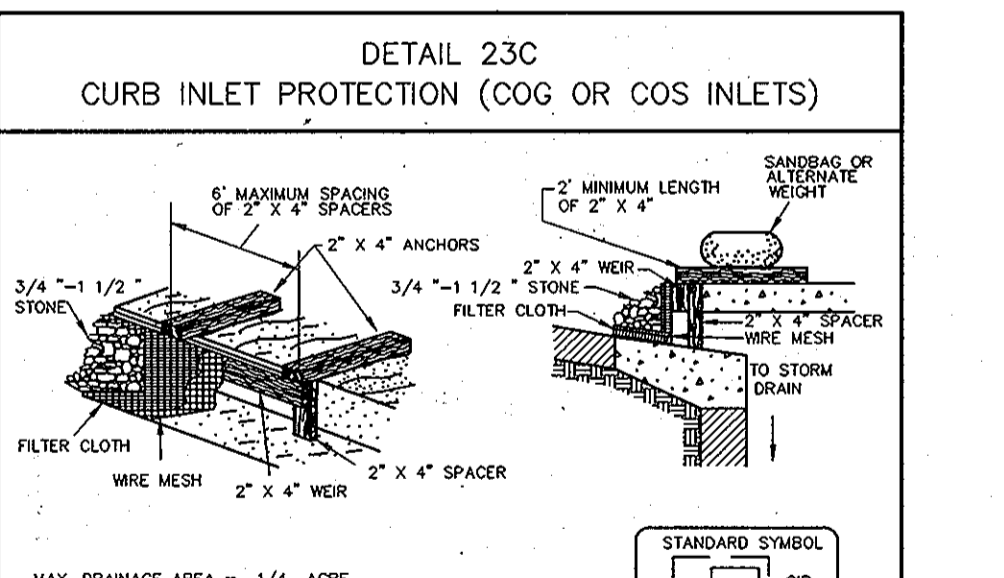
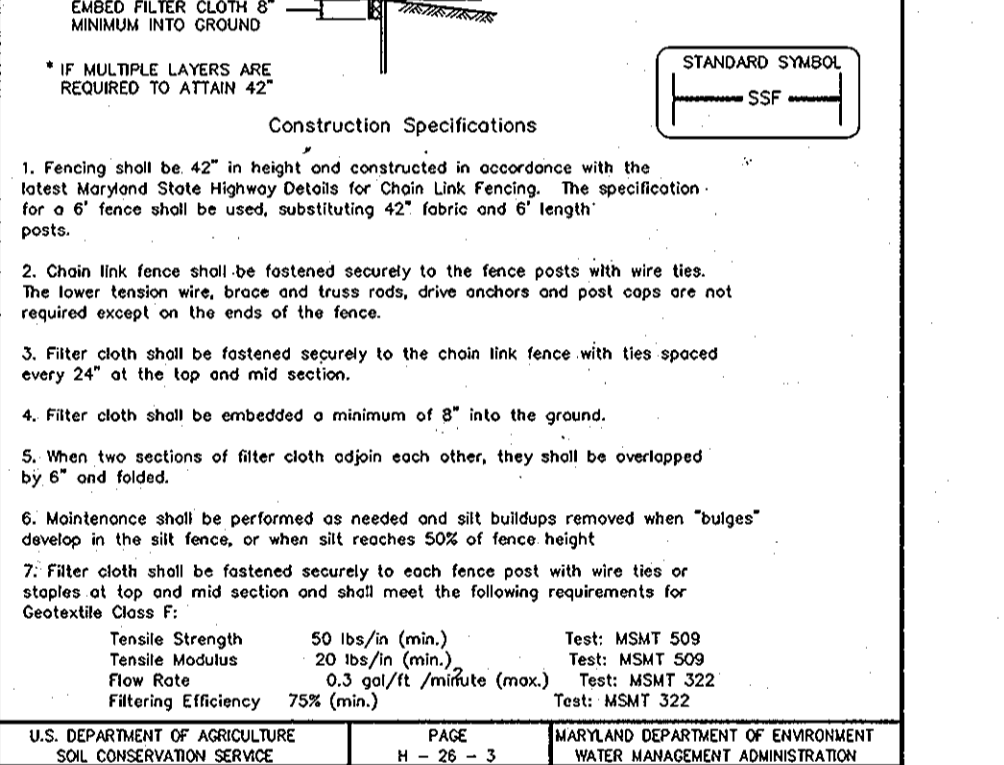
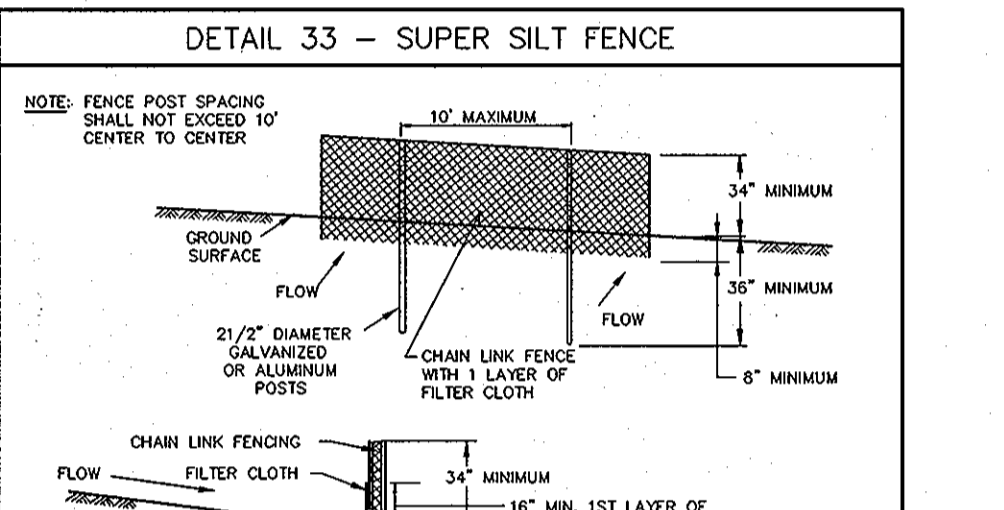
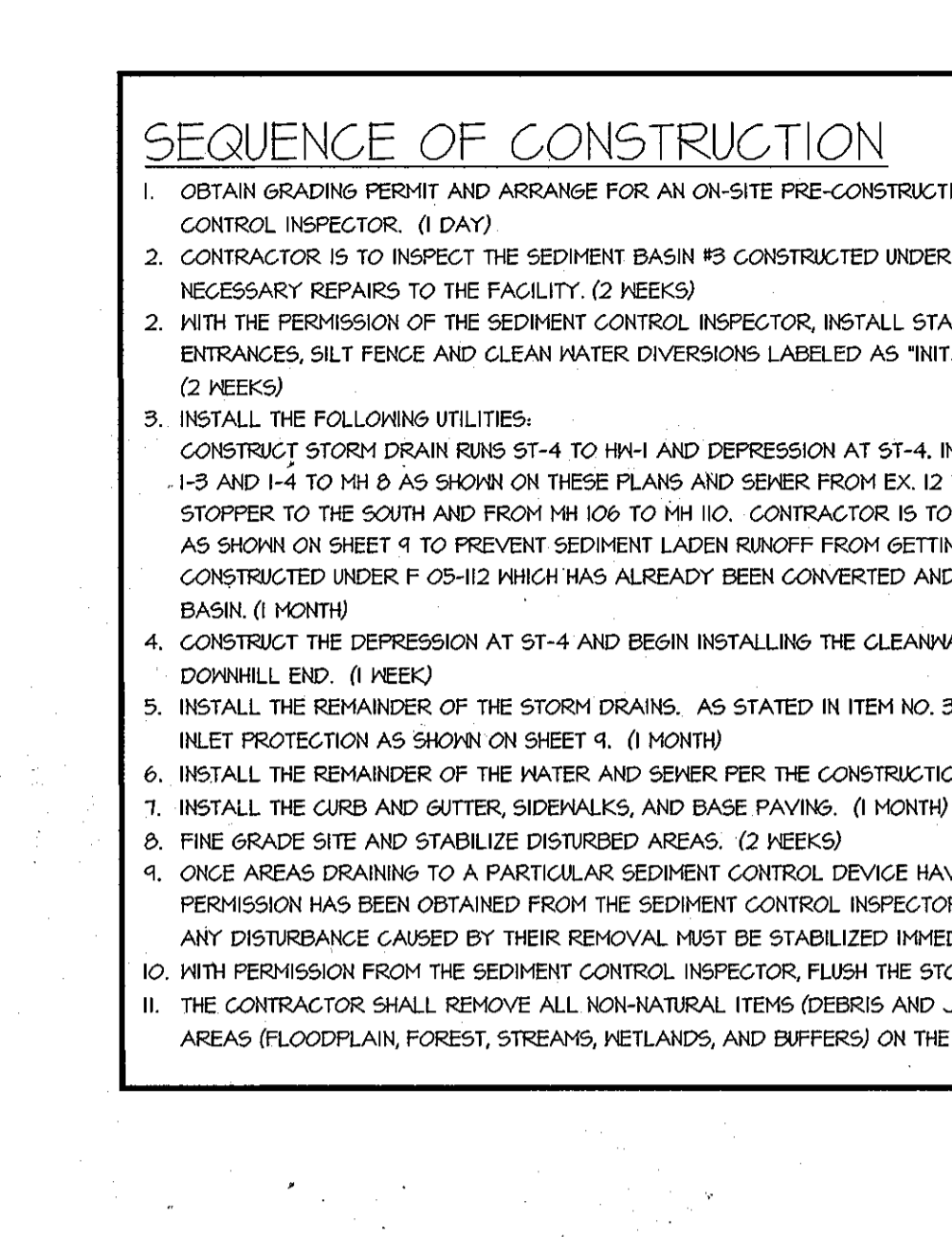
GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTNSVILLE OFFICE PARK
 BURTNSVILLE, MARYLAND 20866
 TEL: 301-421-4024 FAX: 301-421-4186



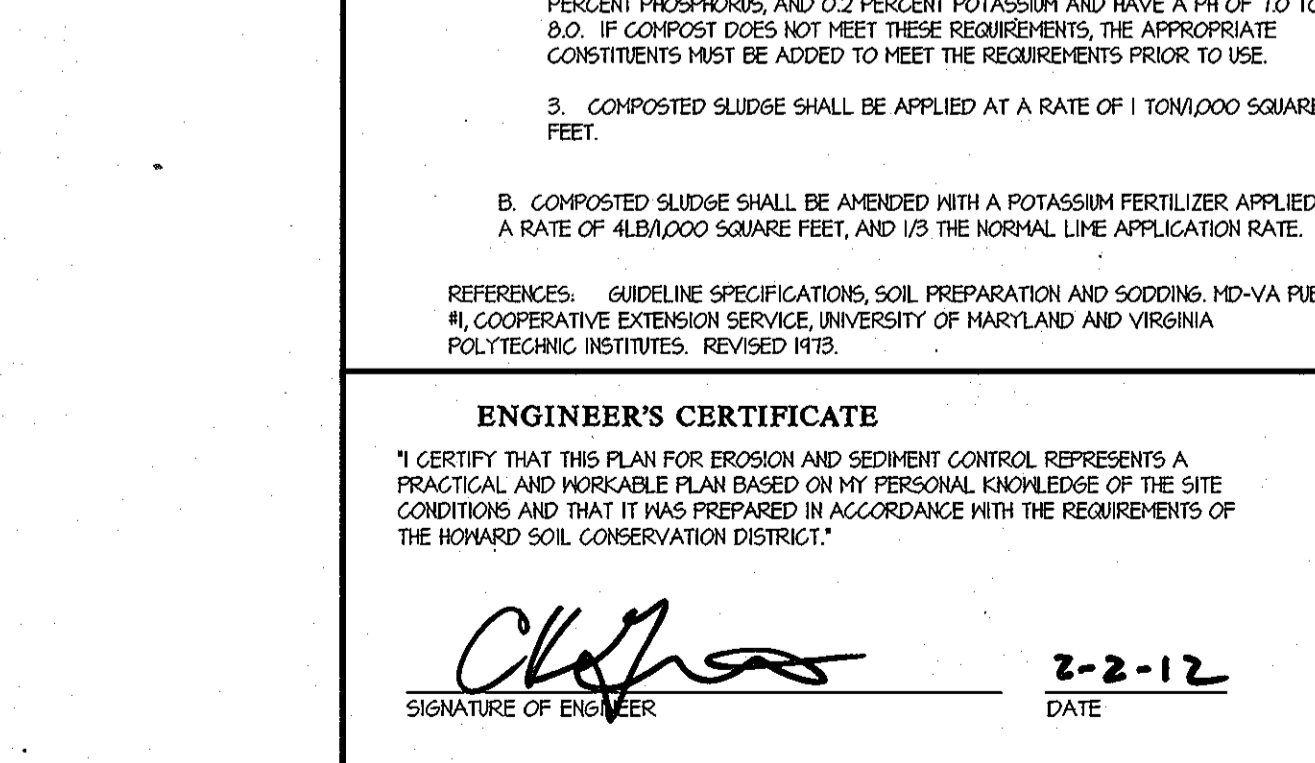
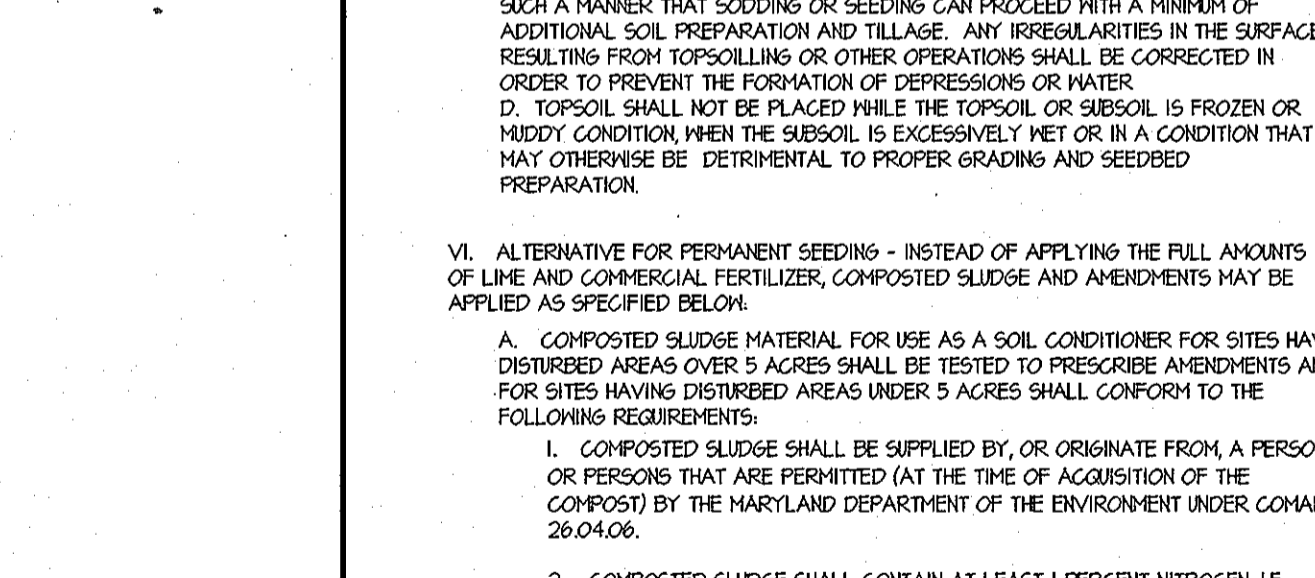
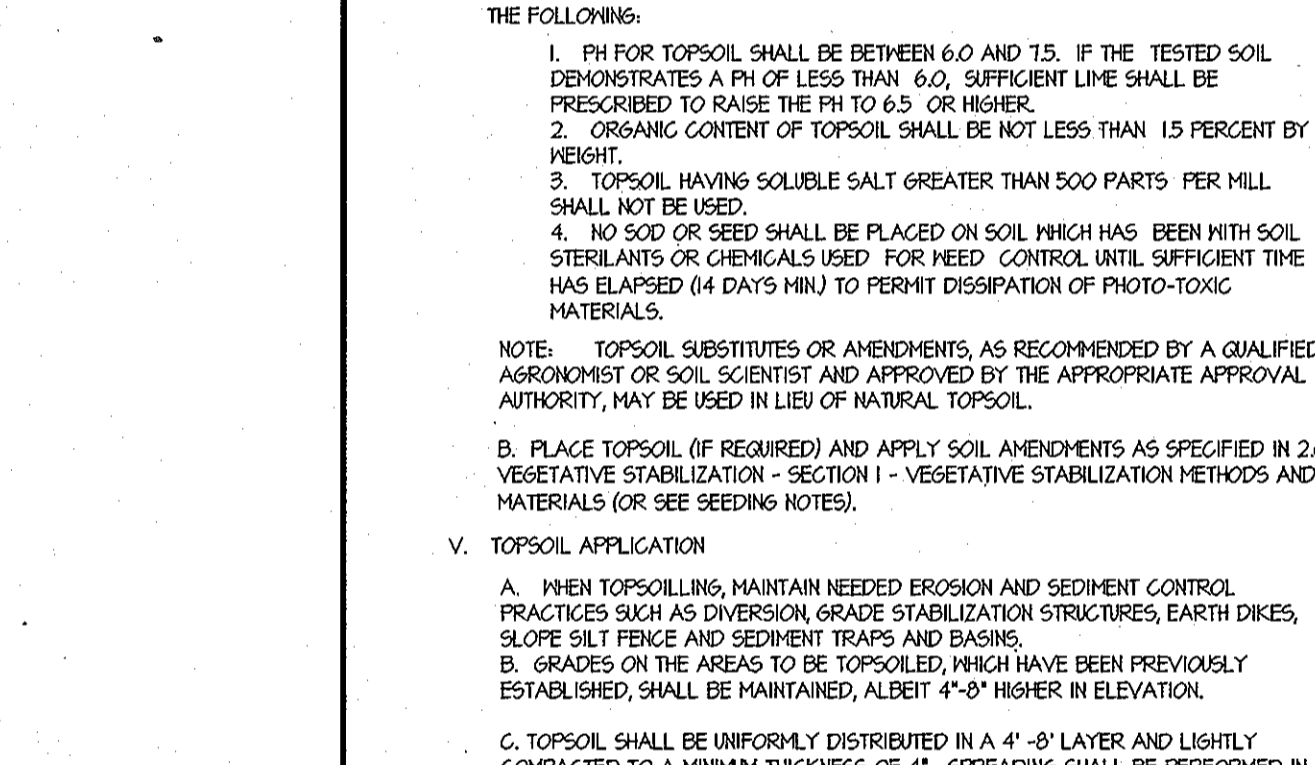
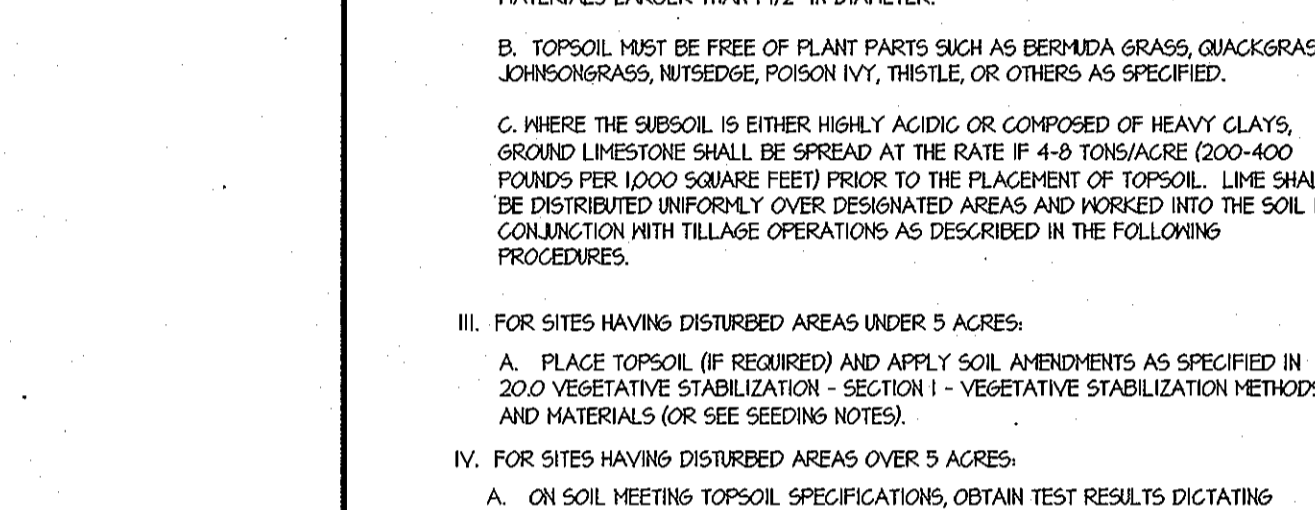
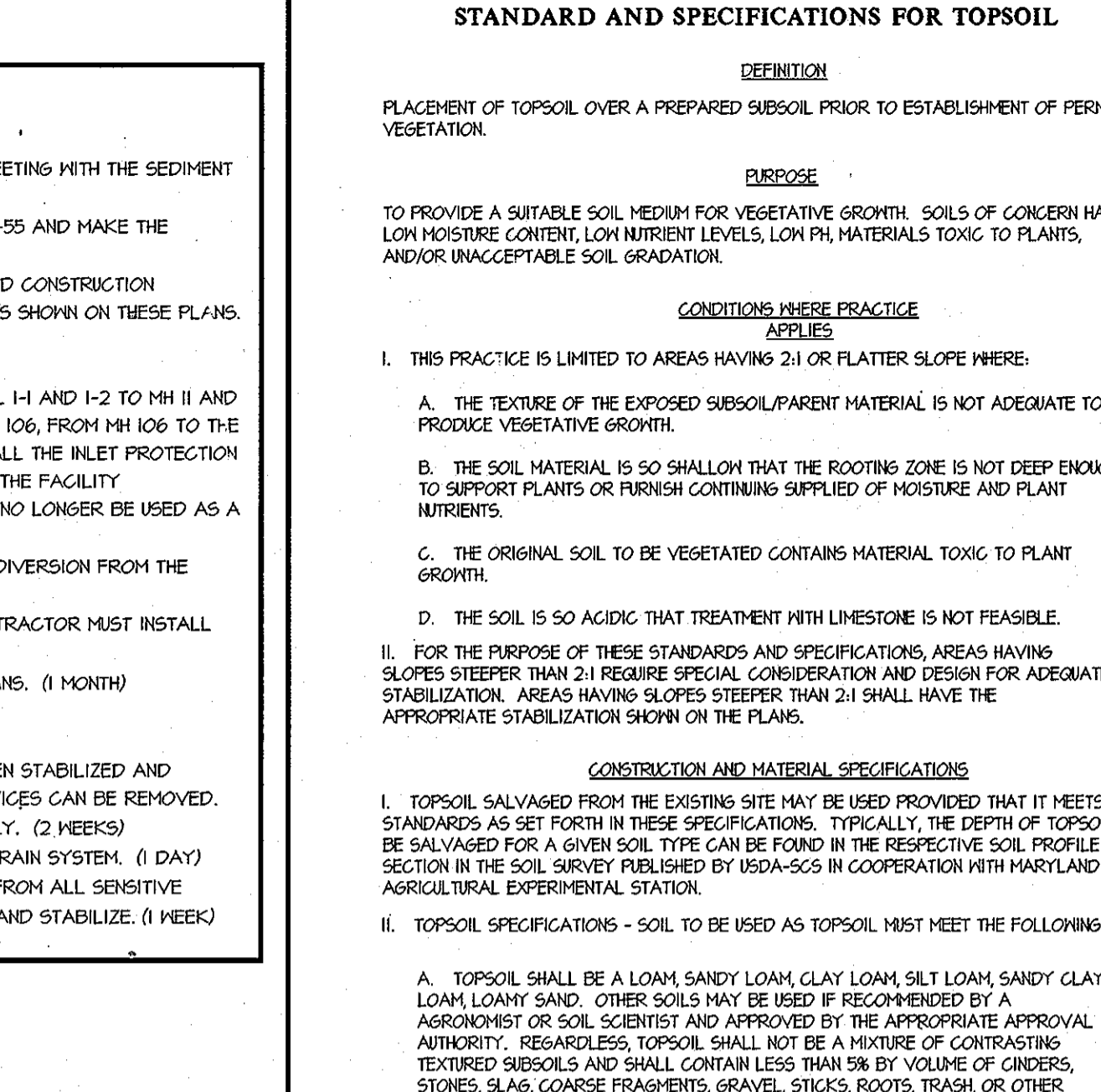
PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400



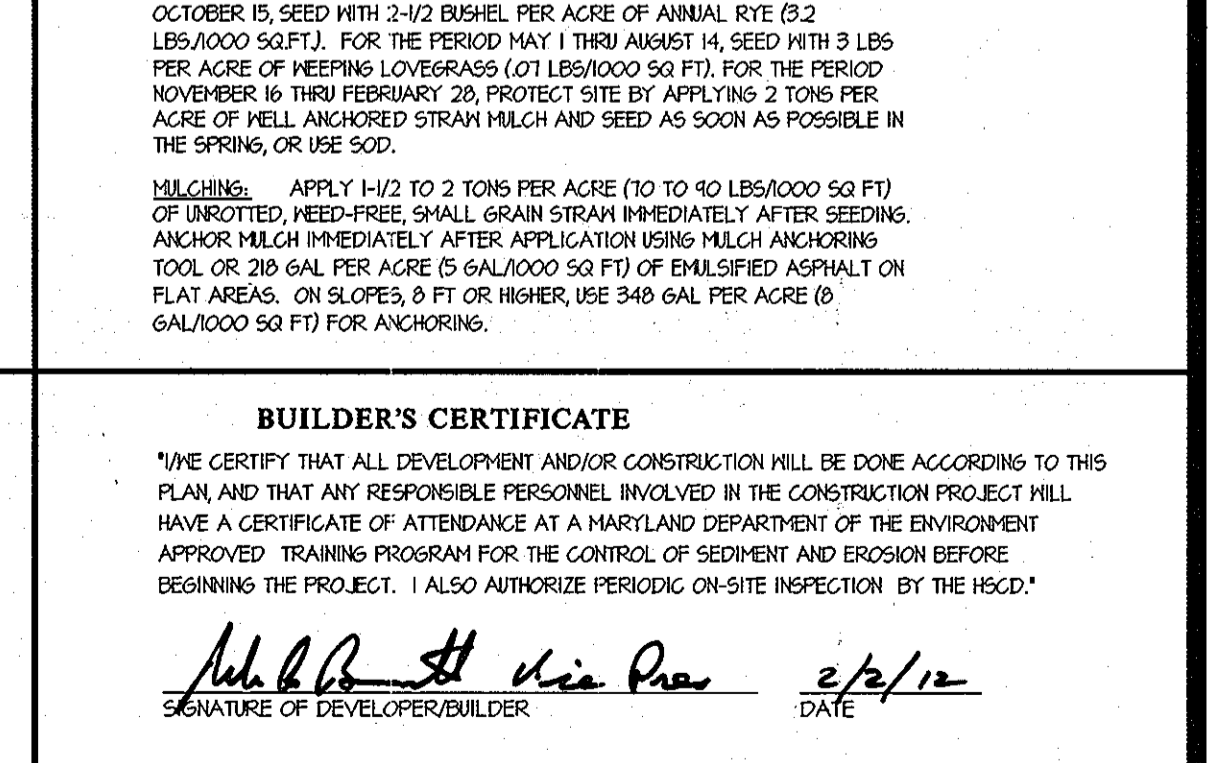
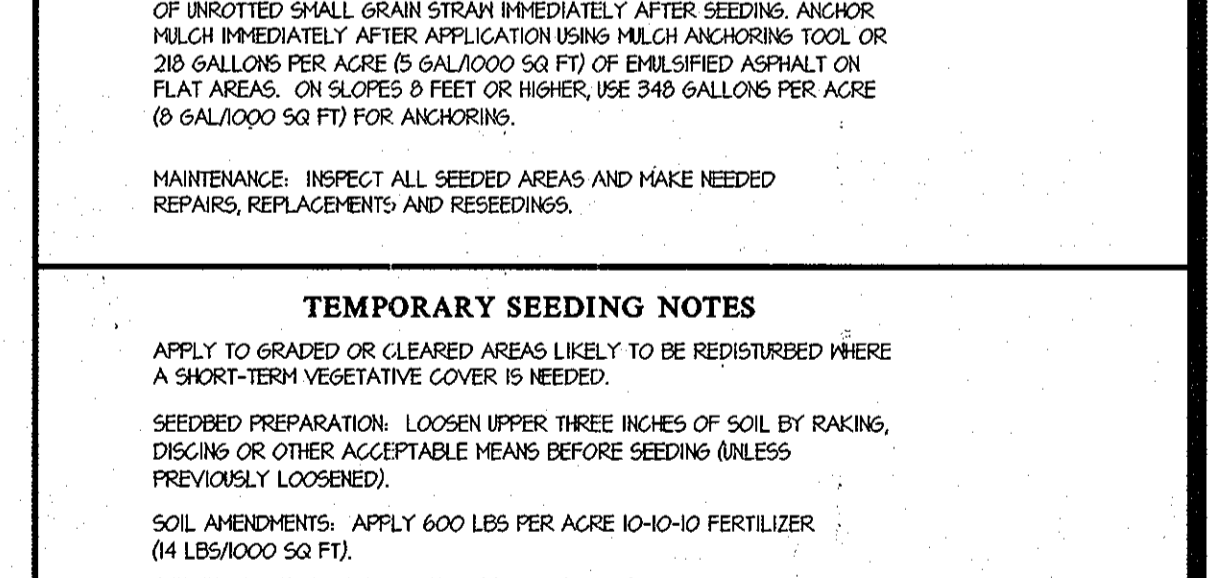
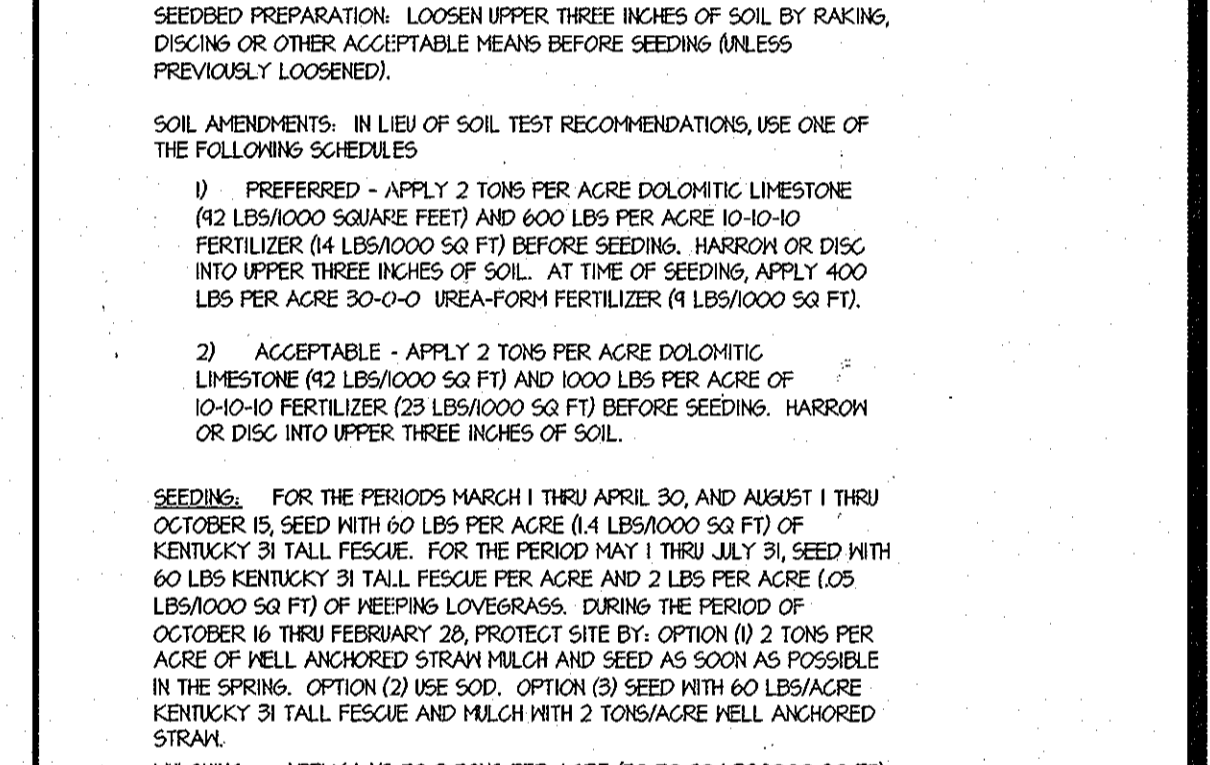
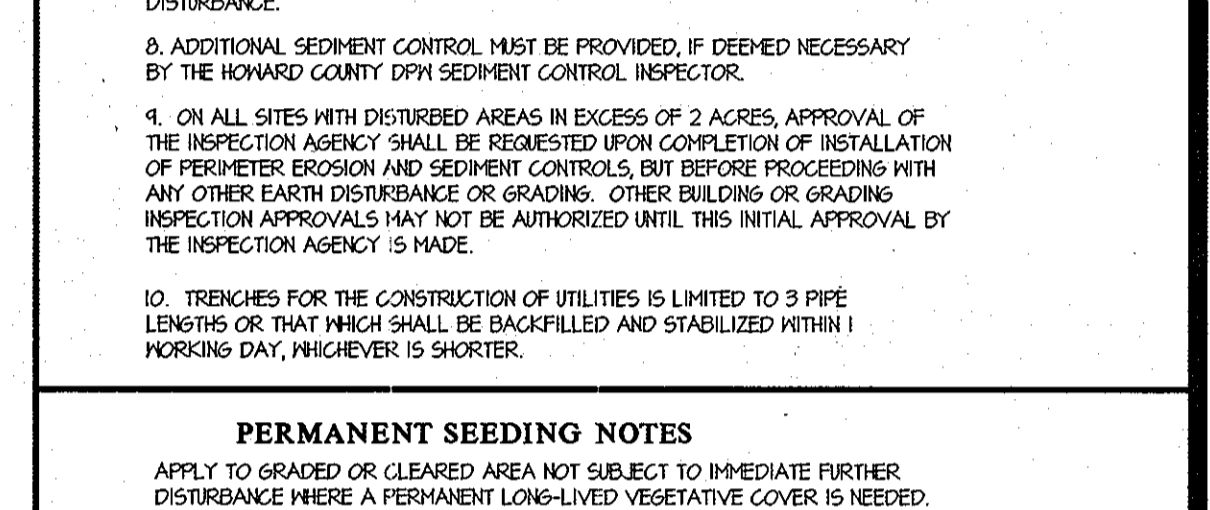
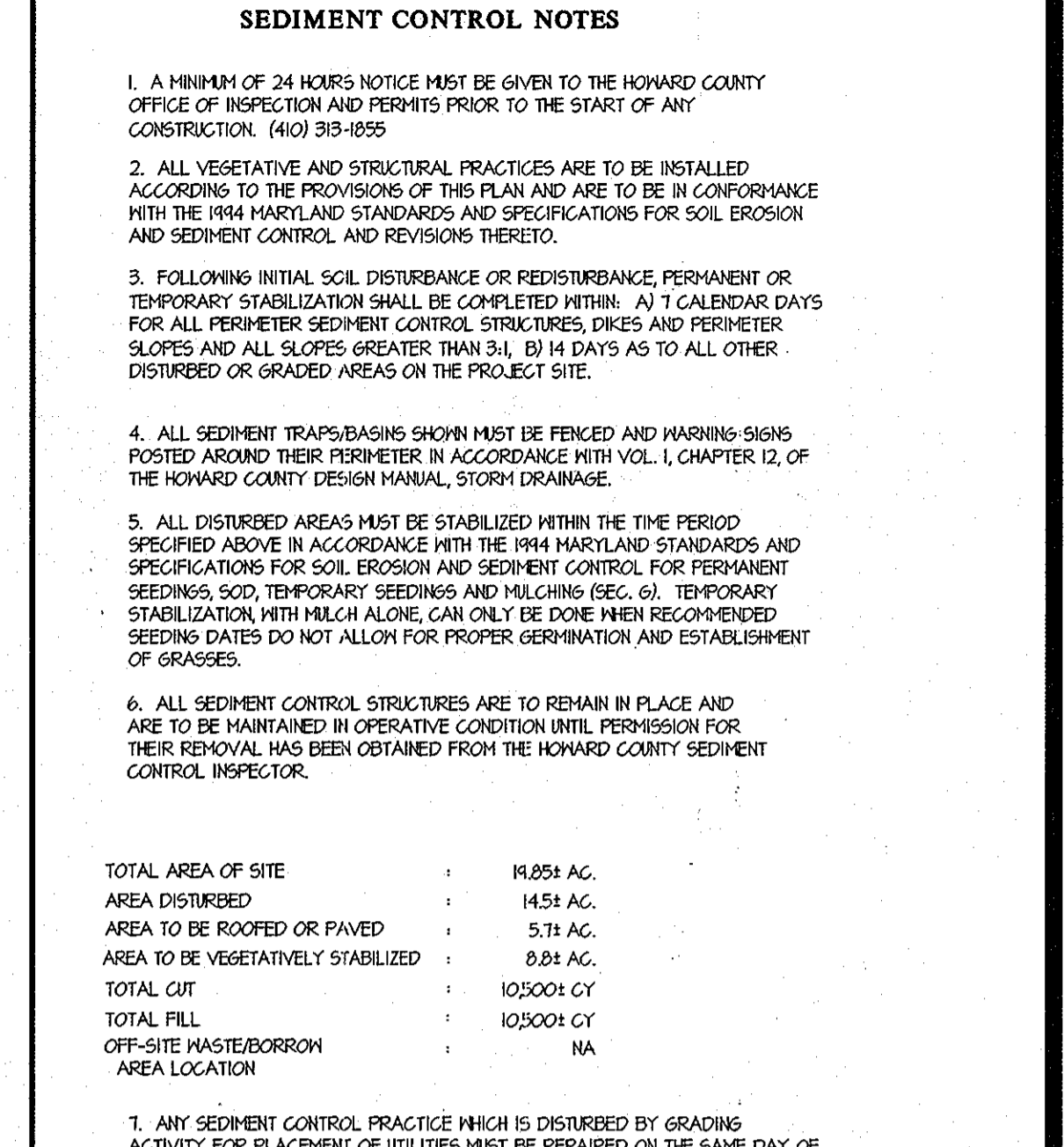
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975
 EXPIRATION DATE: MAY 26, 2012
 2-2-12



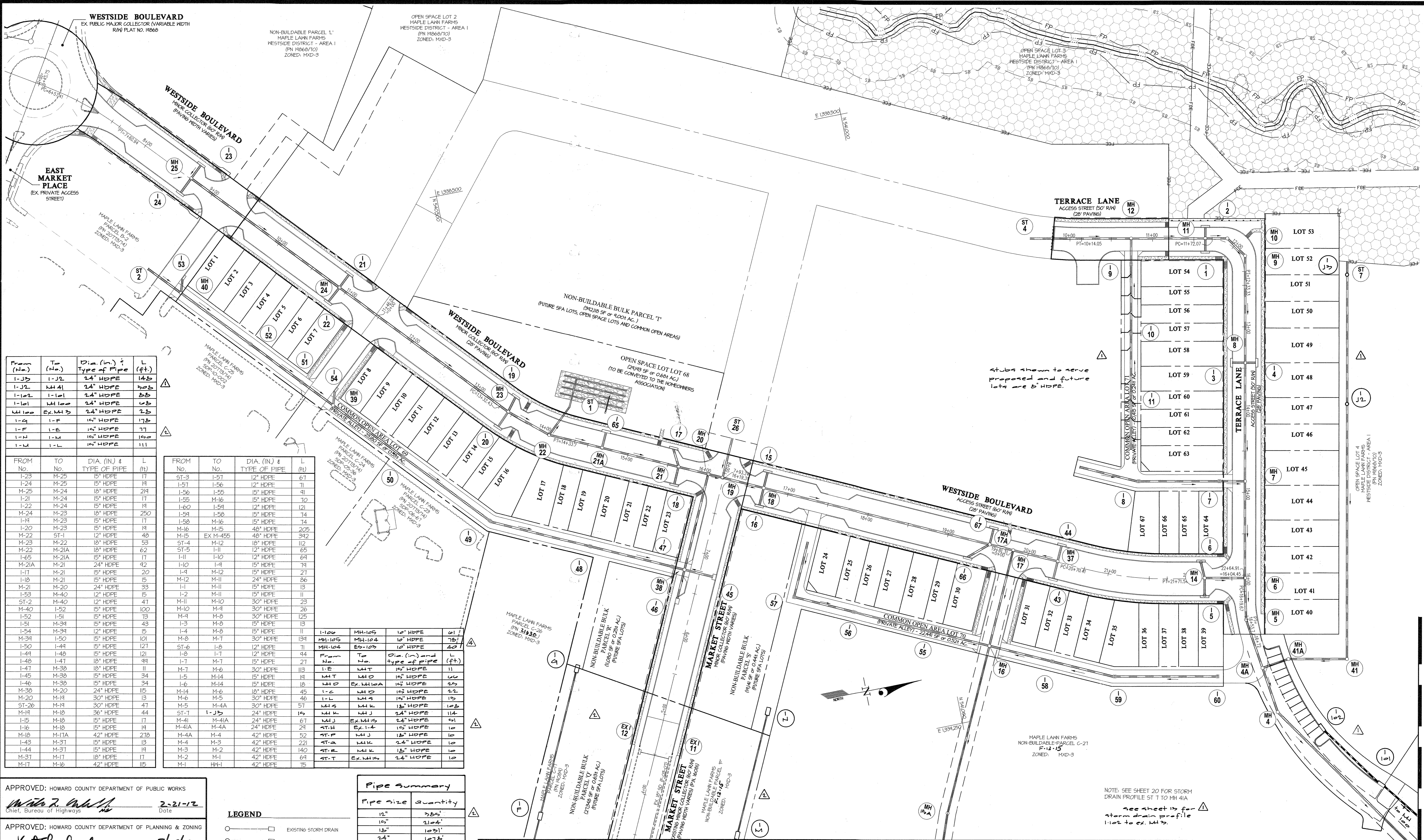
SEDIMENT CONTROL NOTES and DETAILS
 MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 HOWARD COUNTY, MARYLAND



SEDIMENT CONTROL NOTES and DETAILS
 MAPLE LAWN FARMS
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SEDIMENT CONTROL NOTES and DETAILS
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 HOWARD COUNTY, MARYLAND



| From (No.) | To (No.) | Dia. (in.) & Type of Pipe | L (ft.) |
|------------|----------|---------------------------|---------|
| 1-J3 | 1-J2 | 24" HDPE | 148 |
| 1-J2 | MH 41 | 24" HDPE | 208 |
| 1-102 | 1-101 | 24" HDPE | 88 |
| 1-101 | MH 100 | 24" HDPE | 28 |
| M 100 | EX. MH 3 | 24" HDPE | 28 |
| 1-G | 1-F | 15" HDPE | 178 |
| 1-F | 1-E | 15" HDPE | 77 |
| 1-E | 1-L | 15" HDPE | 100 |
| 1-L | 1-L | 15" HDPE | 111 |

| FROM No. | TO No. | DIA. (IN.) & TYPE OF PIPE | L (ft.) |
|----------|--------|---------------------------|---------|
| 1-23 | M-25 | 15" HDPE | 17 |
| 1-24 | M-25 | 15" HDPE | 19 |
| M-25 | M-24 | 15" HDPE | 219 |
| 1-21 | M-24 | 15" HDPE | 17 |
| 1-22 | M-24 | 15" HDPE | 14 |
| M-24 | M-23 | 15" HDPE | 250 |
| M-23 | M-23 | 15" HDPE | 17 |
| 1-20 | M-23 | 15" HDPE | 14 |
| M-22 | ST-1 | 12" HDPE | 48 |
| M-23 | M-22 | 10" HDPE | 53 |
| M-22 | M-21A | 10" HDPE | 62 |
| 1-65 | M-21A | 15" HDPE | 17 |
| M-21A | M-21 | 24" HDPE | 42 |
| 1-17 | M-21 | 15" HDPE | 20 |
| 1-18 | M-21 | 15" HDPE | 15 |
| M-21 | M-20 | 24" HDPE | 33 |
| 1-53 | M-40 | 12" HDPE | 15 |
| ST-2 | M-40 | 12" HDPE | 41 |
| M-40 | 1-52 | 15" HDPE | 100 |
| 1-52 | 1-51 | 15" HDPE | 73 |
| 1-51 | M-34 | 15" HDPE | 43 |
| 1-54 | M-34 | 12" HDPE | 15 |
| M-34 | 1-50 | 15" HDPE | 101 |
| 1-50 | 1-49 | 15" HDPE | 121 |
| 1-49 | 1-47 | 15" HDPE | 121 |
| 1-48 | 1-47 | 15" HDPE | 49 |
| 1-47 | M-38 | 15" HDPE | 11 |
| 1-45 | M-38 | 15" HDPE | 34 |
| 1-46 | M-38 | 15" HDPE | 34 |
| M-38 | M-20 | 24" HDPE | 115 |
| M-20 | M-19 | 30" HDPE | 13 |
| ST-26 | M-19 | 30" HDPE | 47 |
| M-19 | M-18 | 36" HDPE | 44 |
| 1-15 | M-18 | 15" HDPE | 17 |
| 1-16 | M-18 | 15" HDPE | 19 |
| M-18 | M-17A | 42" HDPE | 278 |
| 1-43 | M-37 | 15" HDPE | 13 |
| 1-44 | M-37 | 15" HDPE | 19 |
| M-37 | M-17 | 18" HDPE | 17 |
| M-17 | M-16 | 42" HDPE | 115 |

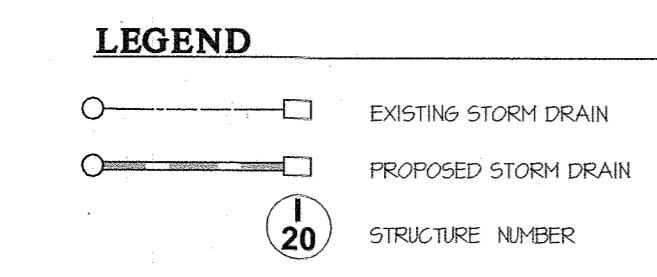
| FROM No. | TO No. | DIA. (IN.) & TYPE OF PIPE | L (ft.) |
|----------|-----------|---------------------------|---------|
| ST-3 | 1-57 | 12" HDPE | 67 |
| 1-57 | 1-56 | 12" HDPE | 71 |
| 1-56 | 1-55 | 15" HDPE | 41 |
| 1-55 | M-16 | 15" HDPE | 70 |
| 1-80 | 1-54 | 12" HDPE | 121 |
| 1-54 | 1-50 | 15" HDPE | 74 |
| M-16 | M-16 | 15" HDPE | 74 |
| M-16 | M-15 | 48" HDPE | 205 |
| M-15 | EX. M-455 | 48" HDPE | 392 |
| ST-4 | M-12 | 10" HDPE | 112 |
| ST-5 | 1-11 | 12" HDPE | 65 |
| 1-11 | 1-10 | 12" HDPE | 64 |
| 1-10 | 1-4 | 15" HDPE | 74 |
| 1-4 | M-12 | 15" HDPE | 27 |
| M-12 | M-11 | 24" HDPE | 86 |
| 1-1 | M-11 | 15" HDPE | 13 |
| 1-2 | M-11 | 15" HDPE | 11 |
| M-11 | M-10 | 30" HDPE | 23 |
| M-10 | M-4 | 30" HDPE | 26 |
| M-4 | M-8 | 30" HDPE | 125 |
| 1-3 | M-8 | 15" HDPE | 13 |
| 1-4 | M-8 | 15" HDPE | 11 |
| M-8 | M-7 | 30" HDPE | 134 |
| ST-6 | 1-8 | 12" HDPE | 71 |
| 1-8 | 1-7 | 12" HDPE | 44 |
| 1-7 | M-7 | 15" HDPE | 27 |
| M-7 | M-6 | 30" HDPE | 113 |
| M-6 | M-14 | 15" HDPE | 181 |
| 1-6 | M-14 | 15" HDPE | 18 |
| M-14 | M-6 | 18" HDPE | 45 |
| M-6 | M-5 | 30" HDPE | 46 |
| M-5 | M-4A | 30" HDPE | 57 |
| ST-7 | 1-J3 | 24" HDPE | 15 |
| M-41 | M-41A | 24" HDPE | 67 |
| M-41A | M-4A | 24" HDPE | 24 |
| M-4A | M-4 | 42" HDPE | 52 |
| M-4 | M-3 | 42" HDPE | 221 |
| M-3 | M-2 | 42" HDPE | 140 |
| M-2 | M-1 | 42" HDPE | 64 |
| M-1 | MH-1 | 42" HDPE | 75 |

| FROM No. | TO No. | DIA. (IN.) & TYPE OF PIPE | L (ft.) |
|-----------|-----------|---------------------------|---------|
| MH-105 | MH-105 | 10" HDPE | 61 |
| MH-105 | MH-104 | 10" HDPE | 78 |
| MH-104 | EX-103 | 10" HDPE | 40 |
| EX-103 | EX-102 | 10" HDPE | 11 |
| EX-102 | EX-101 | 10" HDPE | 66 |
| EX-101 | EX-100A | 10" HDPE | 25 |
| EX-100 | EX-100 | 10" HDPE | 22 |
| EX-100 | EX-100 | 10" HDPE | 13 |
| MH-5 | MH-4 | 12" HDPE | 108 |
| MH-4 | MH-3 | 24" HDPE | 114 |
| MH-3 | EX. MH-15 | 24" HDPE | 51 |
| EX. MH-15 | EX. 1-4 | 15" HDPE | 10 |
| EX. 1-4 | MH-1 | 15" HDPE | 10 |
| MH-1 | EX. MH-15 | 24" HDPE | 10 |

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Walter Z. ... 2-21-12
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Keith ... 3/09/12
 Chief, Division of Land Development Date

... 3/7/12
 Chief, Development Engineering Division Date



Pipe Summary

| Pipe Size | Quantity |
|-----------|----------|
| 12" | 285' |
| 15" | 2104' |
| 18" | 1023' |
| 24" | 1078' |
| 30" | 64' |
| 36" | 47' |
| 42" | 975' |
| 48" | 597' |

GLWGUTSCHICK LITTLE & WEBER, P.A.
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 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BALTIMORE: 410-880-1820 DC/VA: 301-889-2324 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|-----------|---|-----|-------|
| 10-7-2012 | Added stubs for yard drains to alley inlets in o.s. Lot 4. Added asphalt path, parking & storm drain associated with recreational area. | DEV | |
| 01-02-14 | Added storm drain in the area of future alleys, updated Pipe Summary & Storm Drain Information accordingly. | DEV | |
| 10-20-01 | Rev tables to reflect additional storm drain near athletic courts. | kjp | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

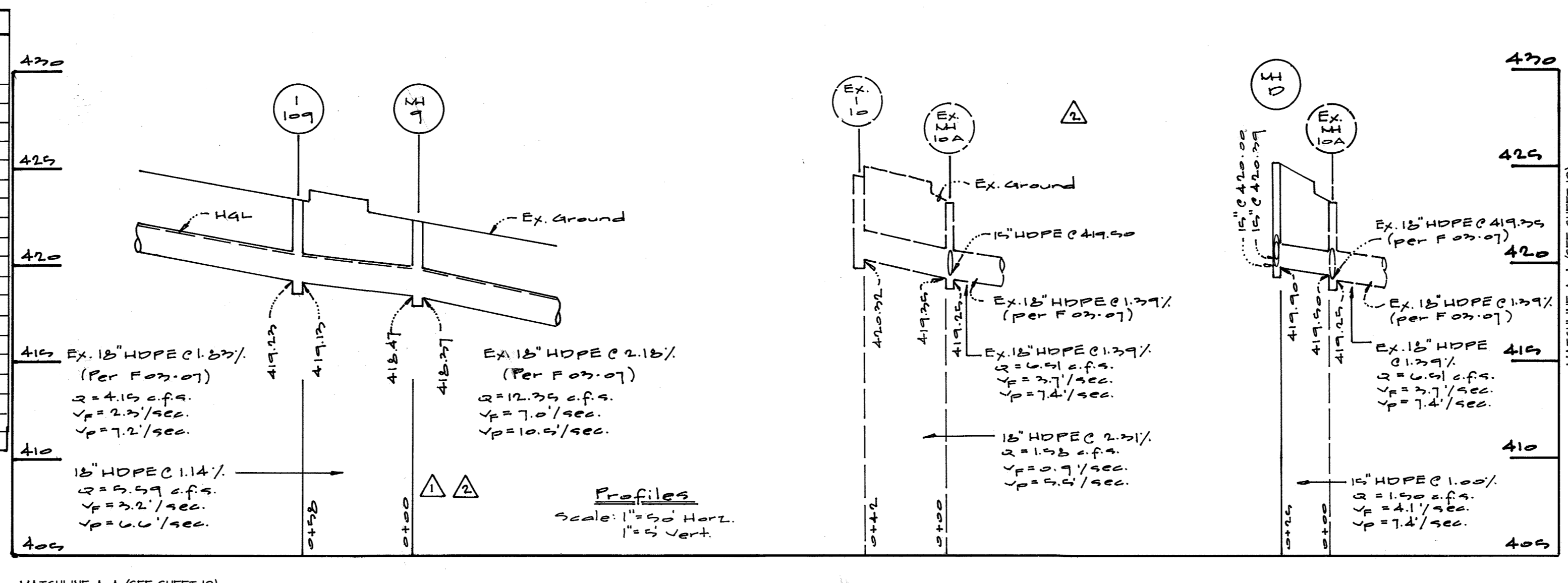
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12975
 EXPIRATION DATE: MAY 26, 2012
...

STORM DRAIN INFORMATION PLAN
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, COA. LOTS 69 thru 71 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 5

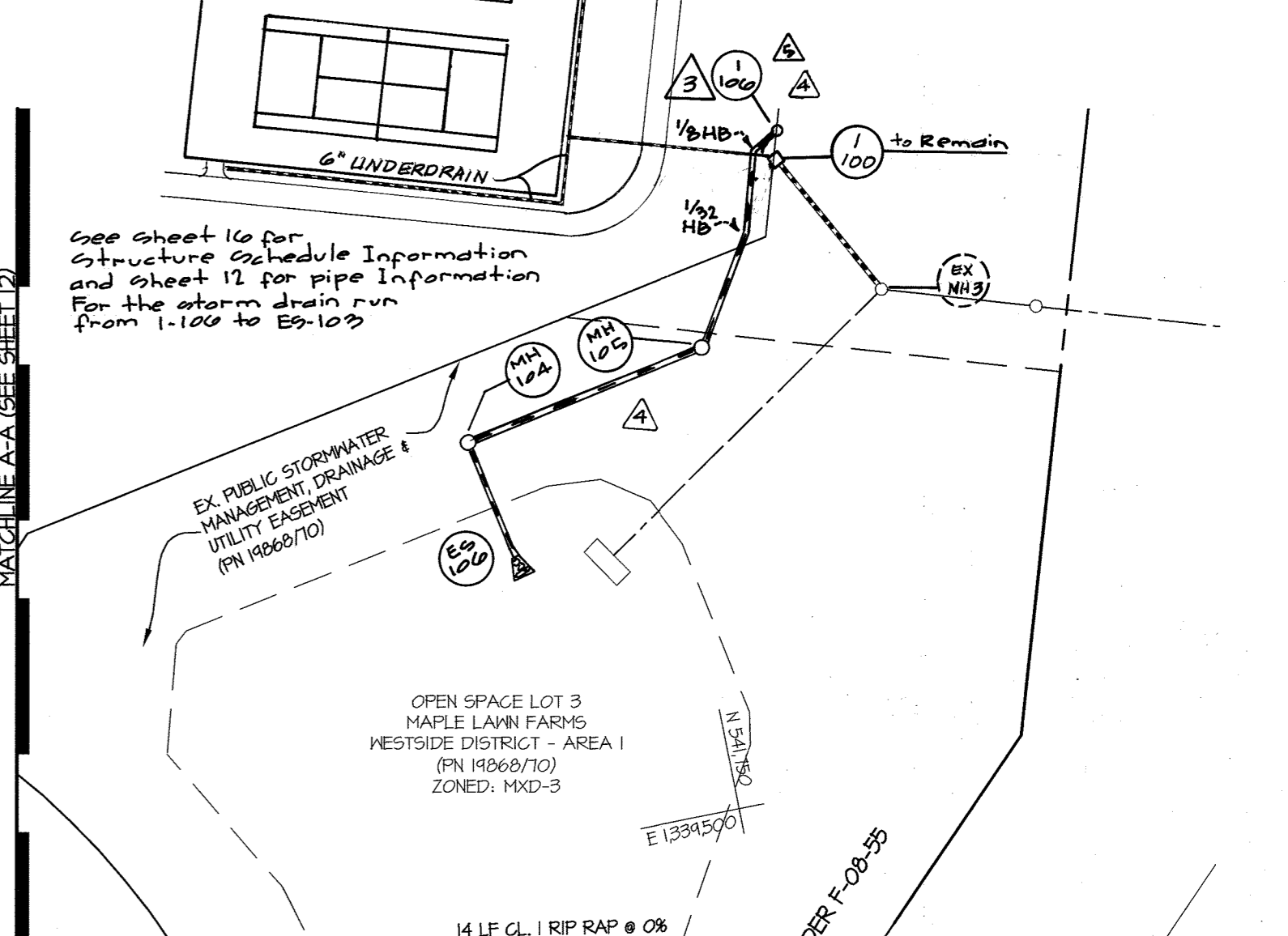
| SCALE | ZONING | G. L. W. FILE No. |
|---------------|----------------|-------------------|
| 1"=50' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 12 OF 22 |

| No. | Type | Width (inches) | Top Elevation | | Invert Elevation | | Standard Detail | Location |
|-------|------------------------|----------------|---------------|--------|------------------|---------|-----------------|--------------------------|
| | | | Upper | Lower | Upper | Lower | | |
| I-11a | Double 's' Comb. Inlet | 4'-0" | 424.67 | 424.69 | 420.32 | 420.32 | H.C.C. 404.34 | N 540, 542 E 1, 339, 347 |
| I-11b | Double 's' Comb. Inlet | 4'-0" | 424.67 | 424.69 | 419.13 | 419.13 | H.C.C. 404.34 | N 540, 542 E 1, 339, 347 |
| M10 | Standard Manhole | 4'-0" | 423.92 | 423.92 | 418.37 | 418.37 | H.C.C. 404.34 | N 540, 542 E 1, 339, 347 |
| I-11c | A-10 Inlet | 4'-0" | 426.20 | 426.20 | 420.25 | 420.25 | H.C.C. 404.34 | N 541, 425 E 1, 339, 341 |
| I-11d | A-10 Inlet | 4'-0" | 425.13 | 424.97 | 417.82 | 417.82 | H.C.C. 404.34 | N 541, 425 E 1, 339, 342 |
| M10a | Standard Manhole | 4'-0" | 421.03 | 421.03 | 416.316 | 416.316 | H.C.C. 404.34 | N 541, 425 E 1, 339, 341 |
| I-11e | Double 's' Inlet | 4'-0" | 420.37 | 420.37 | 421.06 | 421.06 | H.C.C. 404.34 | N 540, 709 E 1, 339, 137 |
| I-11f | Double 's' Inlet | 4'-0" | 427.44 | 427.44 | 424.04 | 424.04 | H.C.C. 404.34 | N 540, 709 E 1, 339, 325 |
| I-11g | Double 's' Inlet | 4'-0" | 425.42 | 425.42 | 421.97 | 421.97 | H.C.C. 404.34 | N 540, 544 E 1, 339, 422 |
| I-11h | Double 's' Inlet | 4'-0" | 427.14 | 427.14 | 423.76 | 423.76 | H.C.C. 404.34 | N 540, 479 E 1, 339, 259 |
| I-11i | Double 's' Inlet | 4'-0" | 427.14 | 427.14 | 422.03 | 422.03 | H.C.C. 404.34 | N 540, 479 E 1, 339, 259 |
| I-11j | Double 's' Comb. Inlet | 4'-0" | 424.14 | 424.14 | 420.23 | 420.23 | H.C.C. 404.34 | N 540, 479 E 1, 339, 447 |
| M10 | Standard Manhole | 4'-0" | 420.26 | 420.26 | 419.70 | 419.70 | H.C.C. 404.34 | N 540, 479 E 1, 339, 447 |
| M10j | Standard Manhole | 4'-0" | 429.44 | 429.44 | 419.49 | 419.49 | H.C.C. 404.34 | N 540, 479 E 1, 339, 447 |
| M10k | Standard Manhole | 4'-0" | 427.44 | 427.44 | 420.43 | 420.43 | H.C.C. 404.34 | N 540, 479 E 1, 339, 447 |
| M10l | Standard Manhole | 4'-0" | 425.42 | 425.42 | 421.47 | 421.47 | H.C.C. 404.34 | N 540, 479 E 1, 339, 447 |
| M10m | Standard Manhole | 4'-0" | 424.14 | 424.14 | 421.07 | 421.07 | H.C.C. 404.34 | N 540, 479 E 1, 339, 447 |
| I-120 | SINGLE 'S' INLET | 2'-0" | 412.00 | 412.00 | 406.50 | 406.50 | H.C.C. 404.34 | N 540, 479 E 1, 339, 447 |

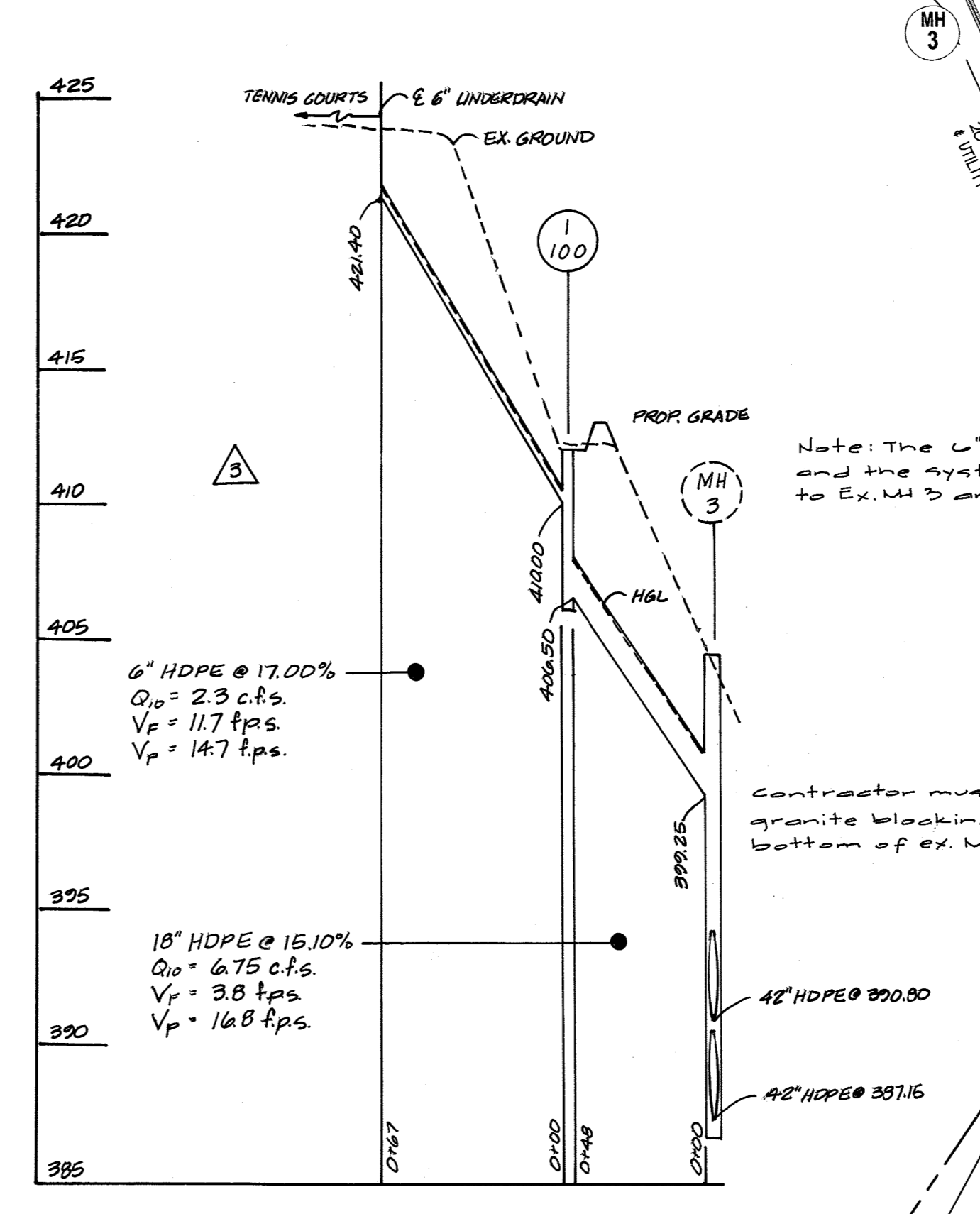
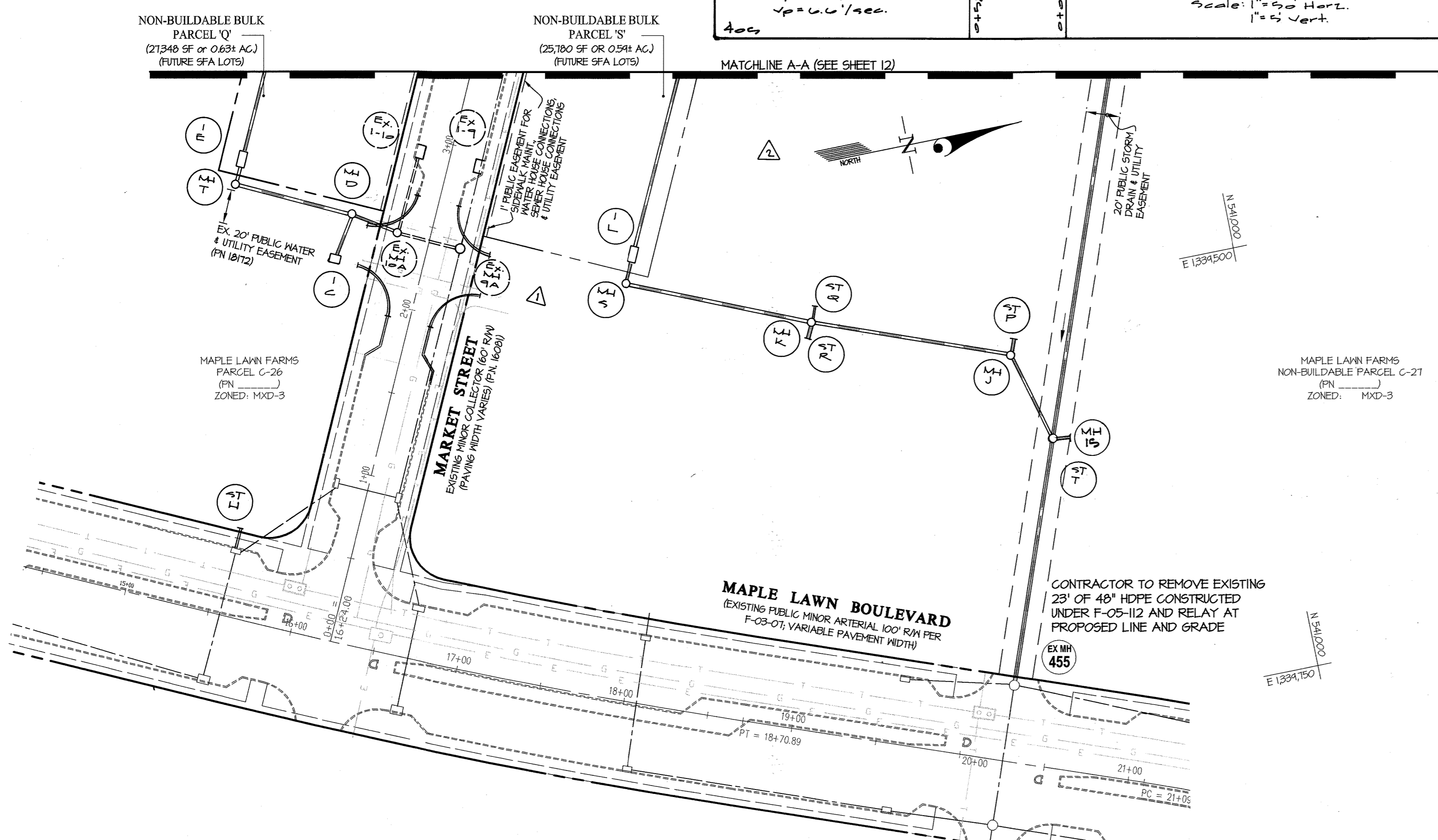
See Sheet 16 for Structure Schedule Information For the Storm Drain Run from I-106 to E9-103



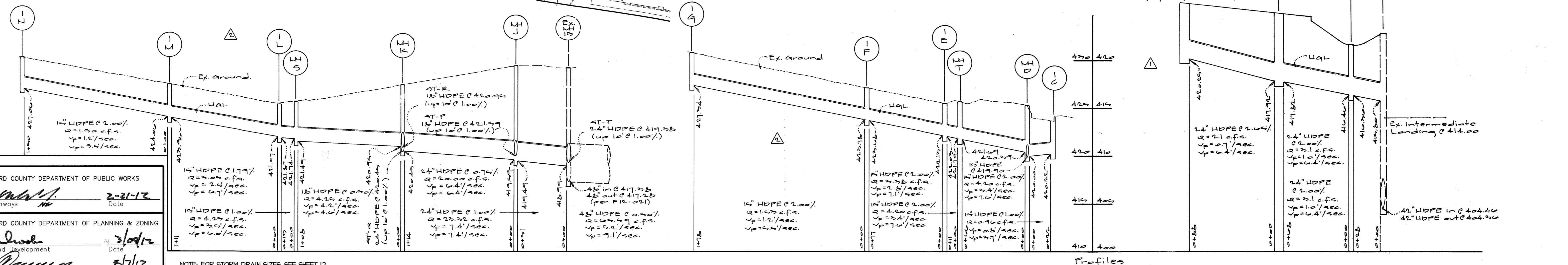
Profiles Scale: 1" = 50' Horiz. 1" = 5' Vert.



See sheet 16 for Structure Schedule Information and sheet 12 for pipe information For the storm drain run from I-106 to E9-103



Note: The 6" underdrain and the system from I-106 to Ex. M 103 are private.



Profiles Scale: 1" = 50' Horiz. 1" = 5' Vert.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 2-21-12
 Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 3/01/12
 Date

Chief, Development Engineering Division
 5/7/12
 Date

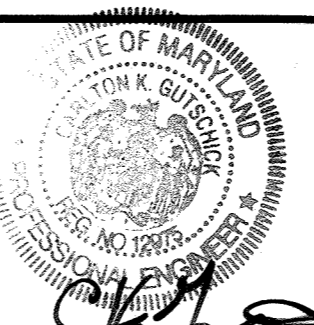
NOTE: FOR STORM DRAIN SIZES, SEE SHEET 12

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3009 NATIONAL DRIVE - SUITE 250 - BURTONTOWN, MARYLAND 20866
 TEL: 301-421-4024 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|------------|---|-----|-------|
| 01/01/12 | Relocate storm drain; add profiles. Revise curb & gutter to reflect entrance. | JRD | |
| 04/01/14 | Add storm drain in plan; profile for future alleys. Revised structure schedule accordingly. | HRJ | |
| 2014-08-01 | ADDED STORM DRAIN FROM THE UNDERDRAIN TO EX. MHS IN PLAN AND PROFILE; UPDATED SCHEDULE | klp | |
| 12/10/14 | Show add. storm drain near athletic courts & referenced location of structure schedule | klp | |
| 12/10/14 | Rev. sp to allow I-102 to remain & connect I-106 to pickup runoff from park | klp | |

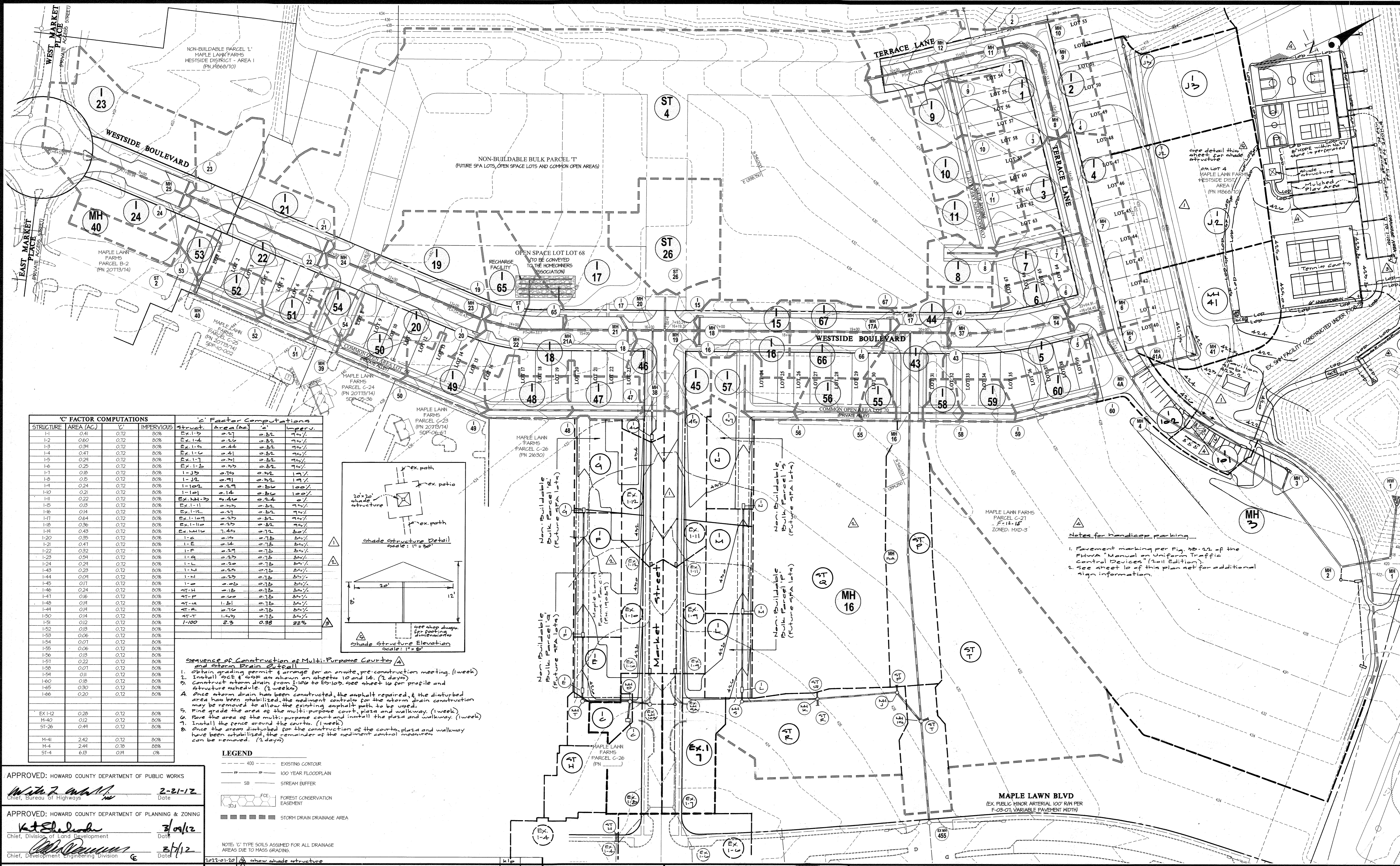
PREPARED FOR:
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 SUITE 300 WOODHOLE CENTER
 1829 REISTERSTOWN ROAD
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 ATTN: MARK BENNETT
 410-484-8400

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 LICENSE NO. 12875
 EXPIRATION DATE: MAY 26, 2012

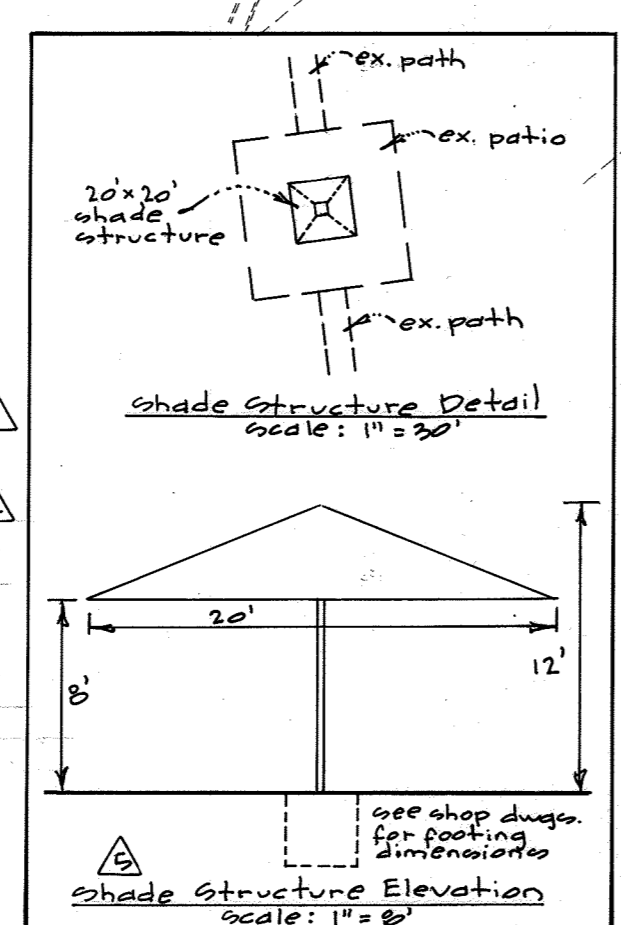


STORM DRAIN INFORMATION PLAN
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, COA. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE NO. |
|---------------|----------------|-------------------|
| 1" = 50' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 13 OF 22 |



| C' Factor Computations | | | i' Factor Computations | | | | |
|------------------------|-----------|------|------------------------|-----------|------|------|------|
| STRUCTURE | AREA (AC) | C' | STRUCT. | AREA (AC) | i' | | |
| I-1 | 0.41 | 0.12 | 80% | Ex. 1-3 | 0.27 | 0.82 | 95% |
| I-2 | 0.60 | 0.12 | 80% | Ex. 1-4 | 0.26 | 0.82 | 95% |
| I-3 | 0.34 | 0.12 | 80% | Ex. 1-5 | 0.44 | 0.82 | 95% |
| I-4 | 0.47 | 0.12 | 80% | Ex. 1-6 | 0.41 | 0.82 | 95% |
| I-5 | 0.24 | 0.12 | 80% | Ex. 1-7 | 0.21 | 0.82 | 95% |
| I-6 | 0.25 | 0.12 | 80% | Ex. 1-8 | 0.33 | 0.82 | 95% |
| I-7 | 0.18 | 0.12 | 80% | Ex. 1-9 | 0.15 | 0.82 | 95% |
| I-8 | 0.15 | 0.12 | 80% | Ex. 1-10 | 0.21 | 0.82 | 95% |
| I-9 | 0.24 | 0.12 | 80% | Ex. 1-11 | 0.27 | 0.82 | 95% |
| I-10 | 0.21 | 0.12 | 80% | Ex. 1-12 | 0.14 | 0.82 | 100% |
| I-11 | 0.22 | 0.12 | 80% | Ex. 1-13 | 0.40 | 0.82 | 95% |
| I-12 | 0.13 | 0.12 | 80% | Ex. 1-14 | 0.22 | 0.82 | 95% |
| I-13 | 0.14 | 0.12 | 80% | Ex. 1-15 | 0.23 | 0.82 | 95% |
| I-14 | 0.14 | 0.12 | 80% | Ex. 1-16 | 0.23 | 0.82 | 95% |
| I-15 | 0.14 | 0.12 | 80% | Ex. 1-17 | 0.23 | 0.82 | 95% |
| I-16 | 0.14 | 0.12 | 80% | Ex. 1-18 | 0.23 | 0.82 | 95% |
| I-17 | 0.14 | 0.12 | 80% | Ex. 1-19 | 0.23 | 0.82 | 95% |
| I-18 | 0.14 | 0.12 | 80% | Ex. 1-20 | 0.23 | 0.82 | 95% |
| I-19 | 0.14 | 0.12 | 80% | Ex. 1-21 | 0.23 | 0.82 | 95% |
| I-20 | 0.14 | 0.12 | 80% | Ex. 1-22 | 0.23 | 0.82 | 95% |
| I-21 | 0.14 | 0.12 | 80% | Ex. 1-23 | 0.23 | 0.82 | 95% |
| I-22 | 0.14 | 0.12 | 80% | Ex. 1-24 | 0.23 | 0.82 | 95% |
| I-23 | 0.14 | 0.12 | 80% | Ex. 1-25 | 0.23 | 0.82 | 95% |
| I-24 | 0.14 | 0.12 | 80% | Ex. 1-26 | 0.23 | 0.82 | 95% |
| I-25 | 0.14 | 0.12 | 80% | Ex. 1-27 | 0.23 | 0.82 | 95% |
| I-26 | 0.14 | 0.12 | 80% | Ex. 1-28 | 0.23 | 0.82 | 95% |
| I-27 | 0.14 | 0.12 | 80% | Ex. 1-29 | 0.23 | 0.82 | 95% |
| I-28 | 0.14 | 0.12 | 80% | Ex. 1-30 | 0.23 | 0.82 | 95% |
| I-29 | 0.14 | 0.12 | 80% | Ex. 1-31 | 0.23 | 0.82 | 95% |
| I-30 | 0.14 | 0.12 | 80% | Ex. 1-32 | 0.23 | 0.82 | 95% |
| I-31 | 0.14 | 0.12 | 80% | Ex. 1-33 | 0.23 | 0.82 | 95% |
| I-32 | 0.14 | 0.12 | 80% | Ex. 1-34 | 0.23 | 0.82 | 95% |
| I-33 | 0.14 | 0.12 | 80% | Ex. 1-35 | 0.23 | 0.82 | 95% |
| I-34 | 0.14 | 0.12 | 80% | Ex. 1-36 | 0.23 | 0.82 | 95% |
| I-35 | 0.14 | 0.12 | 80% | Ex. 1-37 | 0.23 | 0.82 | 95% |
| I-36 | 0.14 | 0.12 | 80% | Ex. 1-38 | 0.23 | 0.82 | 95% |
| I-37 | 0.14 | 0.12 | 80% | Ex. 1-39 | 0.23 | 0.82 | 95% |
| I-38 | 0.14 | 0.12 | 80% | Ex. 1-40 | 0.23 | 0.82 | 95% |
| I-39 | 0.14 | 0.12 | 80% | Ex. 1-41 | 0.23 | 0.82 | 95% |
| I-40 | 0.14 | 0.12 | 80% | Ex. 1-42 | 0.23 | 0.82 | 95% |
| I-41 | 0.14 | 0.12 | 80% | Ex. 1-43 | 0.23 | 0.82 | 95% |
| I-42 | 0.14 | 0.12 | 80% | Ex. 1-44 | 0.23 | 0.82 | 95% |
| I-43 | 0.14 | 0.12 | 80% | Ex. 1-45 | 0.23 | 0.82 | 95% |
| I-44 | 0.14 | 0.12 | 80% | Ex. 1-46 | 0.23 | 0.82 | 95% |
| I-45 | 0.14 | 0.12 | 80% | Ex. 1-47 | 0.23 | 0.82 | 95% |
| I-46 | 0.14 | 0.12 | 80% | Ex. 1-48 | 0.23 | 0.82 | 95% |
| I-47 | 0.14 | 0.12 | 80% | Ex. 1-49 | 0.23 | 0.82 | 95% |
| I-48 | 0.14 | 0.12 | 80% | Ex. 1-50 | 0.23 | 0.82 | 95% |
| I-49 | 0.14 | 0.12 | 80% | Ex. 1-51 | 0.23 | 0.82 | 95% |
| I-50 | 0.14 | 0.12 | 80% | Ex. 1-52 | 0.23 | 0.82 | 95% |
| I-51 | 0.14 | 0.12 | 80% | Ex. 1-53 | 0.23 | 0.82 | 95% |
| I-52 | 0.14 | 0.12 | 80% | Ex. 1-54 | 0.23 | 0.82 | 95% |
| I-53 | 0.14 | 0.12 | 80% | Ex. 1-55 | 0.23 | 0.82 | 95% |
| I-54 | 0.14 | 0.12 | 80% | Ex. 1-56 | 0.23 | 0.82 | 95% |
| I-55 | 0.14 | 0.12 | 80% | Ex. 1-57 | 0.23 | 0.82 | 95% |
| I-56 | 0.14 | 0.12 | 80% | Ex. 1-58 | 0.23 | 0.82 | 95% |
| I-57 | 0.14 | 0.12 | 80% | Ex. 1-59 | 0.23 | 0.82 | 95% |
| I-58 | 0.14 | 0.12 | 80% | Ex. 1-60 | 0.23 | 0.82 | 95% |
| I-59 | 0.14 | 0.12 | 80% | Ex. 1-61 | 0.23 | 0.82 | 95% |
| I-60 | 0.14 | 0.12 | 80% | Ex. 1-62 | 0.23 | 0.82 | 95% |
| I-61 | 0.14 | 0.12 | 80% | Ex. 1-63 | 0.23 | 0.82 | 95% |
| I-62 | 0.14 | 0.12 | 80% | Ex. 1-64 | 0.23 | 0.82 | 95% |
| I-63 | 0.14 | 0.12 | 80% | Ex. 1-65 | 0.23 | 0.82 | 95% |
| I-64 | 0.14 | 0.12 | 80% | Ex. 1-66 | 0.23 | 0.82 | 95% |
| I-65 | 0.14 | 0.12 | 80% | Ex. 1-67 | 0.23 | 0.82 | 95% |
| I-66 | 0.14 | 0.12 | 80% | Ex. 1-68 | 0.23 | 0.82 | 95% |
| EX I-1 | 0.28 | 0.12 | 80% | | | | |
| M-40 | 0.12 | 0.12 | 80% | | | | |
| ST-26 | 0.49 | 0.12 | 80% | | | | |
| M-4 | 2.42 | 0.12 | 80% | | | | |
| M-4 | 2.44 | 0.18 | 88% | | | | |
| ST-4 | 6.13 | 0.14 | 0% | | | | |



- Sequence of Construction of Multi-Purpose Courts**
- Obtain grading permit & arrange for an onsite, pre-construction meeting. (1 week)
 - Install S&E & S&F as shown on sheets 10 and 14. (2 days)
 - Construct storm drain from 1100 to E5-100. See sheet 10 for profile and structure schedule. (1 week)
 - Once storm drain has been constructed, the asphalt repaired, & the disturbed area has been stabilized, the sediment controls for the storm drain construction may be removed to allow the existing asphalt path to be used.
 - Final grade the area of the multi-purpose court, plaza and walkway. (1 week)
 - Pave the area of the multi-purpose court and install the plaza and walkway. (1 week)
 - Install the fence around the courts. (1 week)
 - Once the areas disturbed for the construction of the courts, plaza and walkway have been stabilized, the remainder of the sediment control measures can be removed. (2 days)

LEGEND

- 400' EXISTING CONTOUR
- 100 YEAR FLOODPLAIN
- SB STREAM BUFFER
- FCF FOREST CONSERVATION EASEMENT
- STORM DRAIN DRAINAGE AREA

NOTE: C' TYPE SOILS ASSUMED FOR ALL DRAINAGE AREAS DUE TO MASS GRADING.

| DATE | REVISION | BY | APPR. |
|------------|---|----|-------|
| 2012-01-20 | Revise drainage areas to reflect change in storm drains and inlets. | | |
| 01-22-12 | Revise drainage divides & information to reflect the construction of storm drains within alleys when the non-buildable bulk parcels are re-subdivided & re-zoned as residential lots. | | |
| 2014-08-01 | ADDED DRAINAGE DIVIDES, DRAINAGE AREA INFORMATION, EXERCISE TRAIL AND STORM DRAINS | | |
| 10-20-01 | Show additional storm drain, athletic court & features to reflect ex. conditions & add handicap marking and signs. | | |

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 Date: 2-21-12

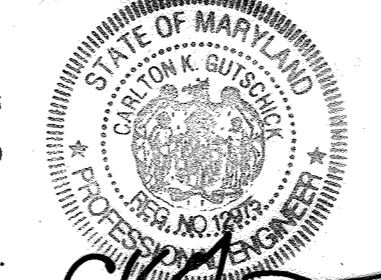
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Date: 3/9/12

Chief, Development Engineering Division
 Date: 3/7/12

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTNSVILLE OFFICE PARK
 BURTNSVILLE, MARYLAND 20866
 TEL: 301-421-4024 FAX: 301-421-4186

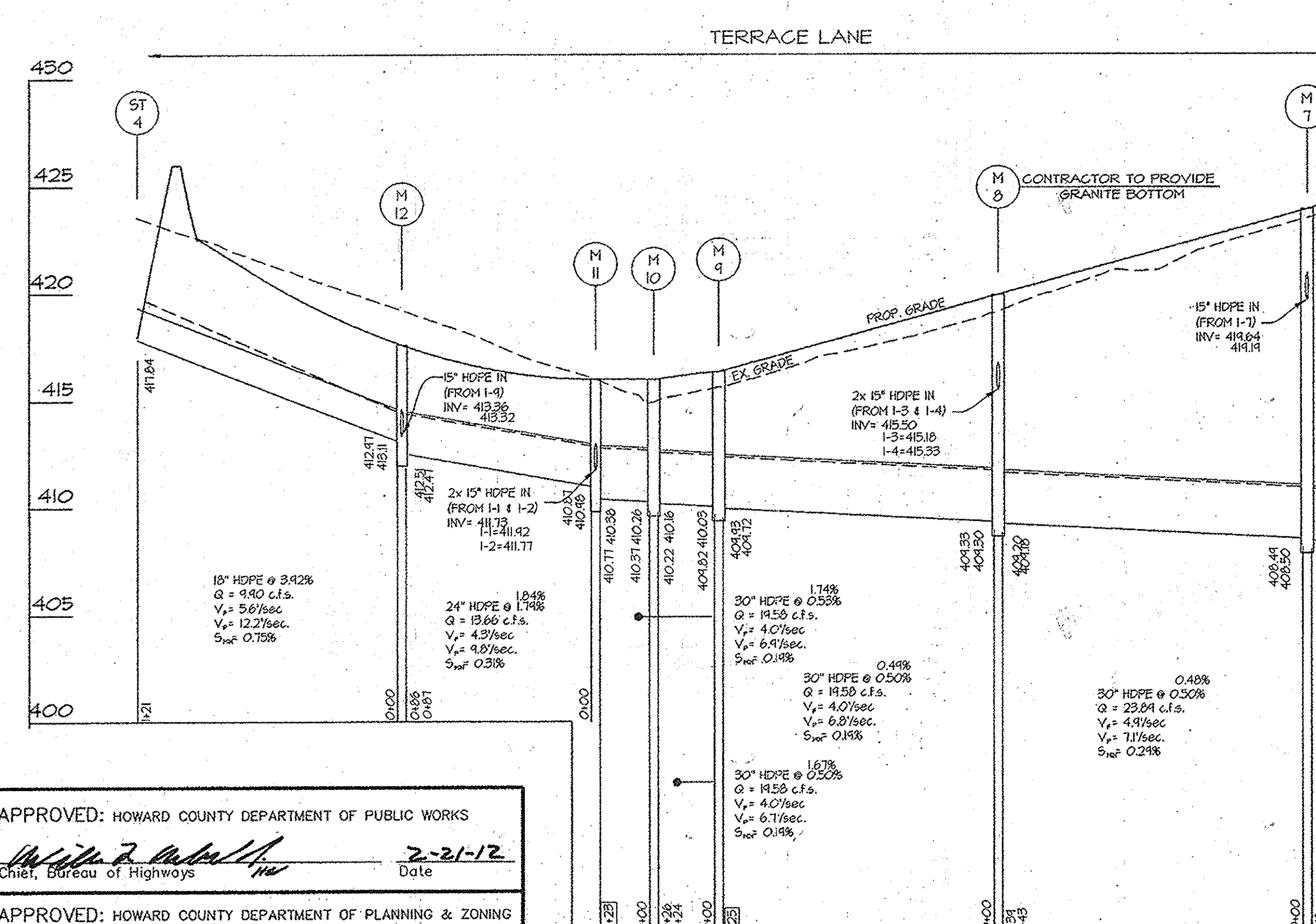
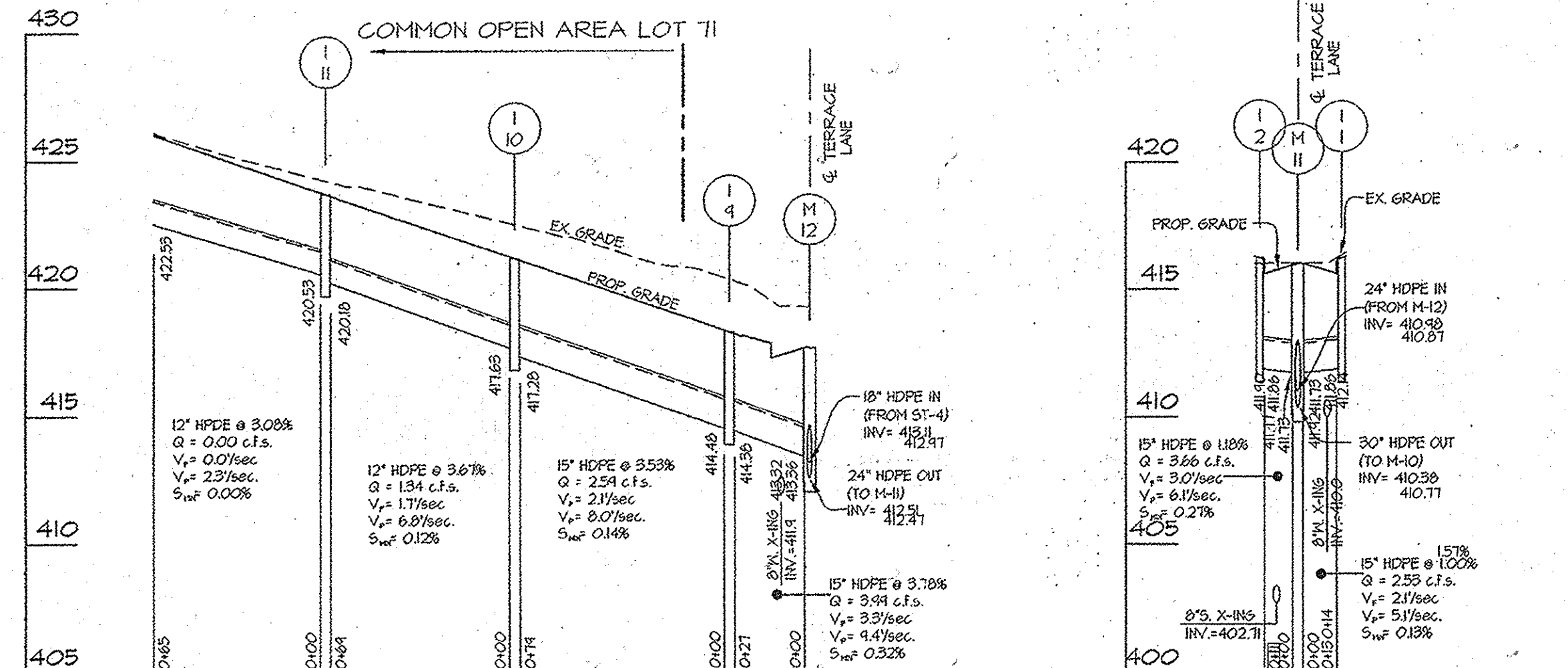
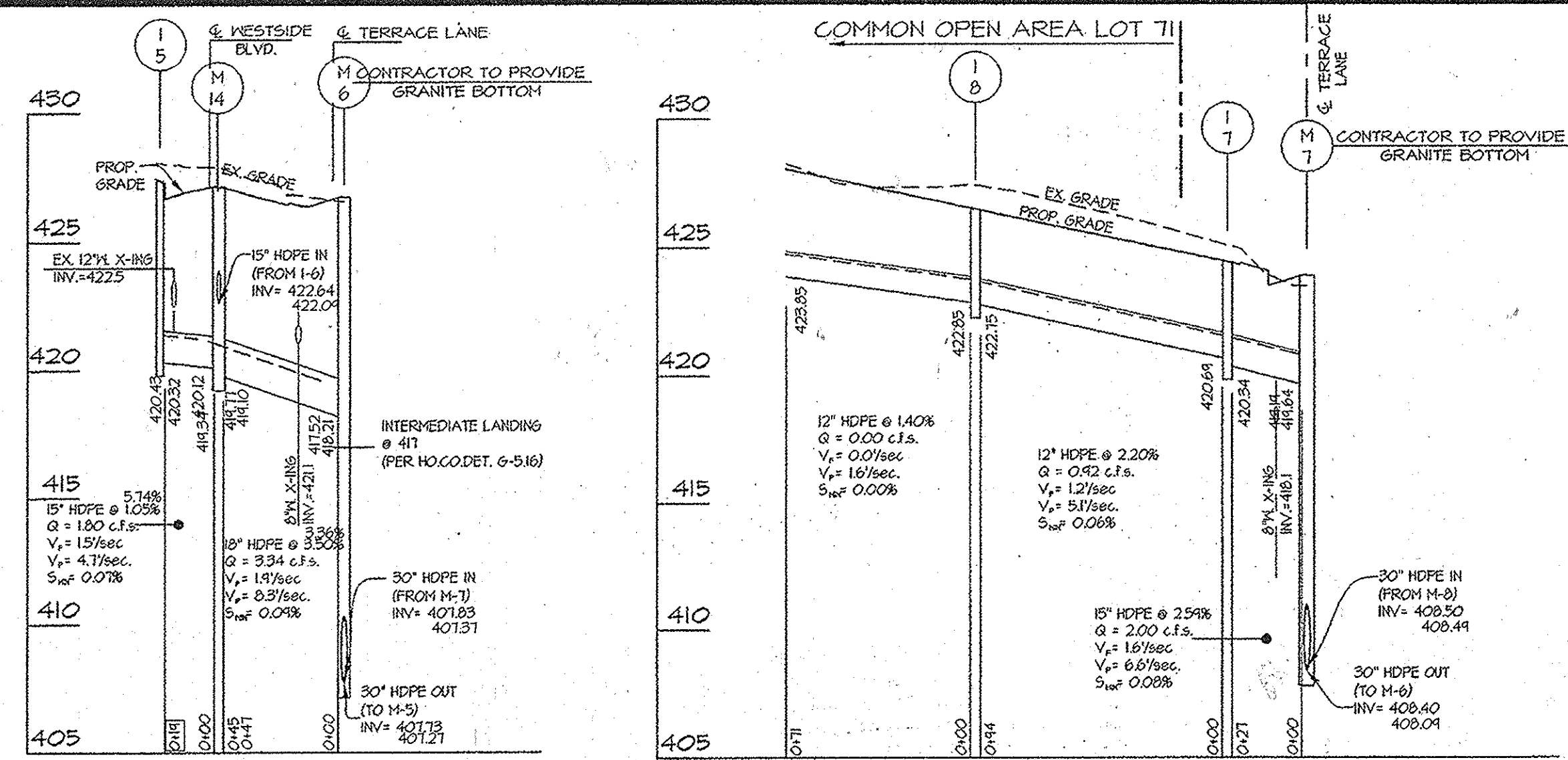
PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 HEREBY CERTIFY THAT THESE PLANS 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. 12875
 EXPIRATION DATE: MAY 26, 2012



STORM DRAIN DRAINAGE AREA MAP
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5

| SCALE | ZONING | G. L. W. FILE No. |
|---------------|----------------|-------------------|
| 1"=60' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 14 OF 22 |

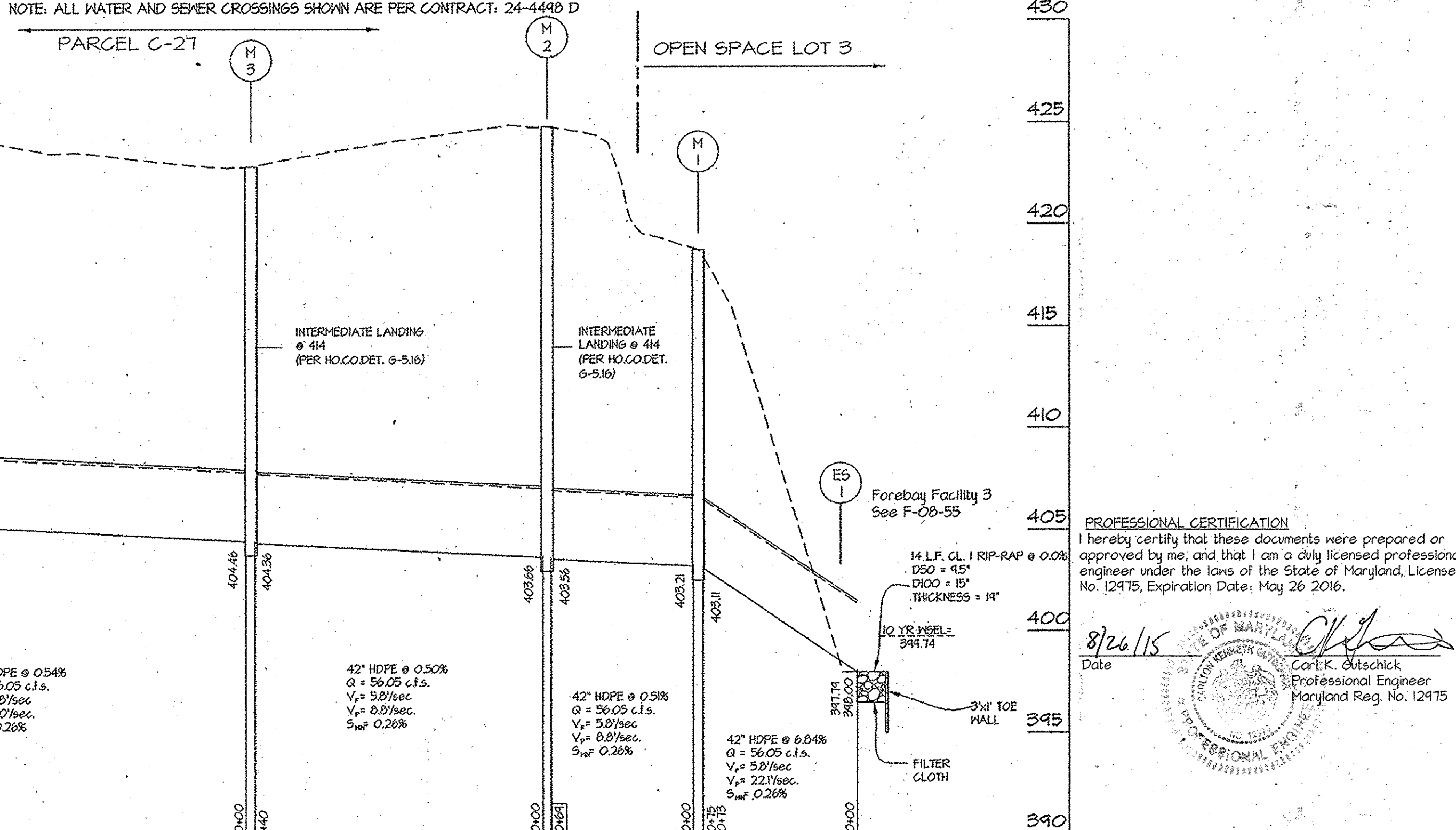


| PIPE SCHEDULE | | | |
|---------------|------|-----------------|---------|
| SIZE | TYPE | QUANTITY (L.F.) | REMARKS |
| 12" | HDPE | 294 | |
| 15" | HDPE | 205 | |
| 18" | HDPE | 165 | |
| 24" | HDPE | 86 | |
| 30" | HDPE | 506 | |
| 42" | HDPE | 501 | |

HDPE indicates High Density Polyethylene pipe, such as H-12 by ADS, or H-Q by Hanco or an approved equal.
Trench bedding to be provided per Howard County Detail 6-2.01.
Trench for P.V.C. pipe and HDPE.

| NO | TYPE | WIDTH (INSIDE) | TOP ELEVATION | | | | INVERT | | | | STD. DETAIL | LOCATIONS | REMARKS |
|------|------------------|----------------|---------------|--------|----------|--------|----------|--------|----------|-----------------|-----------------------|-----------|---------|
| | | | PROPOSED | | AS-BUILT | | PROPOSED | | AS-BUILT | | | | |
| | | | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | | | |
| ES-1 | END SECTION | 3'-6" | 401.5 | --- | --- | --- | 398.00 | --- | --- | --- | --- | --- | |
| ST-4 | | | | | | | | | | | | | |
| I-1 | A-10 INLET | 2'-6" | 416.19 | --- | 416.14 | --- | 411.86 | --- | 412.14 | HO. CO. SD 4.03 | N 541,400 E 1,338,144 | | |
| I-2 | A-10 INLET | 2'-6" | 416.19 | --- | 416.15 | --- | 411.86 | --- | 411.73 | HO. CO. SD 4.03 | N 541,406 E 1,338,122 | | |
| I-3 | A-10 INLET | 2'-6" | 420.25 | 419.91 | 420.02 | 419.94 | --- | 415.63 | --- | HO. CO. SD 4.03 | N 541,406 E 1,338,888 | | |
| I-4 | A-10 INLET | 2'-6" | 420.25 | 419.91 | 419.70 | 419.92 | --- | 415.63 | --- | HO. CO. SD 4.03 | N 541,434 E 1,338,843 | | |
| I-5 | A-10 INLET | 2'-6" | 421.45 | 421.21 | 426.85 | 426.90 | --- | 420.32 | --- | HO. CO. SD 4.03 | N 541,318 E 1,334,151 | | |
| I-6 | A-10 INLET | 2'-6" | 421.45 | 421.21 | 421.26 | 421.06 | --- | 422.81 | --- | HO. CO. SD 4.22 | N 541,321 E 1,334,117 | | |
| I-7 | 'S' INLET | 2'-1.5" | 424.45 | --- | --- | --- | 420.64 | --- | 420.34 | HO. CO. SD 4.22 | N 541,362 E 1,334,025 | | |
| I-8 | 'S' INLET | 2'-1.5" | 426.50 | --- | --- | --- | 422.85 | --- | 422.75 | HO. CO. SD 4.22 | N 541,261 E 1,334,006 | | |
| I-9 | 'S' INLET | 2'-1.5" | 418.24 | --- | --- | --- | 414.40 | --- | 414.30 | HO. CO. SD 4.22 | N 541,304 E 1,338,147 | | |
| I-10 | 'S' INLET | 2'-1.5" | 421.12 | --- | --- | --- | 417.63 | --- | 417.28 | HO. CO. SD 4.22 | N 541,243 E 1,338,824 | | |
| I-11 | 'S' INLET | 2'-1.5" | 423.70 | --- | --- | --- | 420.53 | --- | 420.18 | HO. CO. SD 4.22 | N 541,218 E 1,338,101 | | |
| M-1 | STANDARD MANHOLE | 1'-0" | 418.74 | --- | --- | --- | 403.21 | --- | 403.11 | MD 384.01 | N 541,606 E 1,334,658 | | |
| M-2 | STANDARD MANHOLE | 6'-0" | 424.81 | --- | --- | --- | 403.66 | --- | 403.56 | MD 384.05 | N 541,595 E 1,334,640 | | |
| M-3 | STANDARD MANHOLE | 6'-0" | 422.84 | --- | 422.51 | --- | 404.46 | --- | 404.36 | MD 384.05 | N 541,508 E 1,334,500 | | |
| M-4 | STANDARD MANHOLE | 6'-0" | 425.61 | --- | 425.12 | --- | 405.75 | --- | 405.65 | MD 384.05 | N 541,371 E 1,334,313 | | |
| M-4A | STANDARD MANHOLE | 6'-0" | 426.63 | --- | 426.24 | --- | 407.11 | --- | 406.01 | MD 384.05 | N 541,370 E 1,334,251 | | |
| M-5 | STANDARD MANHOLE | 5'-0" | 427.03 | --- | 426.96 | --- | 407.50 | --- | 407.40 | HO. CO. 6-5.13 | N 541,361 E 1,334,146 | | |
| M-6 | STANDARD MANHOLE | 5'-0" | 426.74 | --- | 425.82 | --- | 418.21 | --- | 417.13 | HO. CO. 6-5.13 | N 541,370 E 1,334,146 | | |
| M-7 | STANDARD MANHOLE | 5'-0" | 423.84 | --- | 423.24 | --- | 419.64 | --- | 418.40 | HO. CO. 6-5.13 | N 541,343 E 1,334,031 | | |
| M-8 | STANDARD MANHOLE | 5'-0" | 419.91 | --- | 419.58 | --- | 415.50 | --- | 415.33 | HO. CO. 6-5.13 | N 541,421 E 1,338,841 | | |
| M-9 | STANDARD MANHOLE | 5'-0" | 416.34 | --- | 416.01 | --- | 410.03 | --- | 409.82 | HO. CO. 6-5.13 | N 541,447 E 1,338,764 | | |
| M-10 | STANDARD MANHOLE | 5'-0" | 415.91 | --- | 416.04 | --- | 410.26 | --- | 410.16 | HO. CO. 6-5.13 | N 541,430 E 1,338,740 | | |
| M-11 | STANDARD MANHOLE | 5'-0" | 415.99 | --- | 415.92 | --- | 411.73 | --- | 411.42 | HO. CO. 6-5.13 | N 541,403 E 1,338,134 | | |
| M-12 | STANDARD MANHOLE | 4'-0" | 417.60 | --- | 417.22 | --- | 413.36 | --- | 413.32 | HO. CO. 6-5.12 | N 541,315 E 1,338,717 | | |
| M-14 | STANDARD MANHOLE | 4'-0" | 427.16 | --- | 426.64 | --- | 422.64 | --- | 419.77 | HO. CO. 6-5.12 | N 541,322 E 1,334,136 | | |

1 COORDINATE POINT GIVEN IS TO THE CENTERLINE OF STRUCTURE AT THE FACE OF CURB FOR INLETS AND TO THE CENTERLINE OF STRUCTURE FOR MANHOLES AND END SECTIONS.
2 NYLOPLAST - ADS END SECTION OR APPROVED EQUAL.
* ALL DOUBLE 'S' INLETS SHALL UTILIZE BICYCLE SAFE GRATES (EAST JORDAN IRON WORKS, OR APPROVED EQUAL)
NOTE: ALL WATER AND SEWER CROSSINGS SHOWN ARE PER CONTRACT: 24-4498 D



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 Date: 2-21-12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Date: 3/9/12

Chief, Development Engineering Division
 Date: 3/7/12

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTOWNSVILLE OFFICE PARK
 BURTOWNSVILLE, MARYLAND 20868
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-885-2524 FAX: 301-421-4185

| DATE | REVISION | BY | APPR. |
|------|----------|----|-------|
| | | | |
| | | | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE
 PLANS 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. 12475
 EXPIRATION DATE: MAY 26, 2012

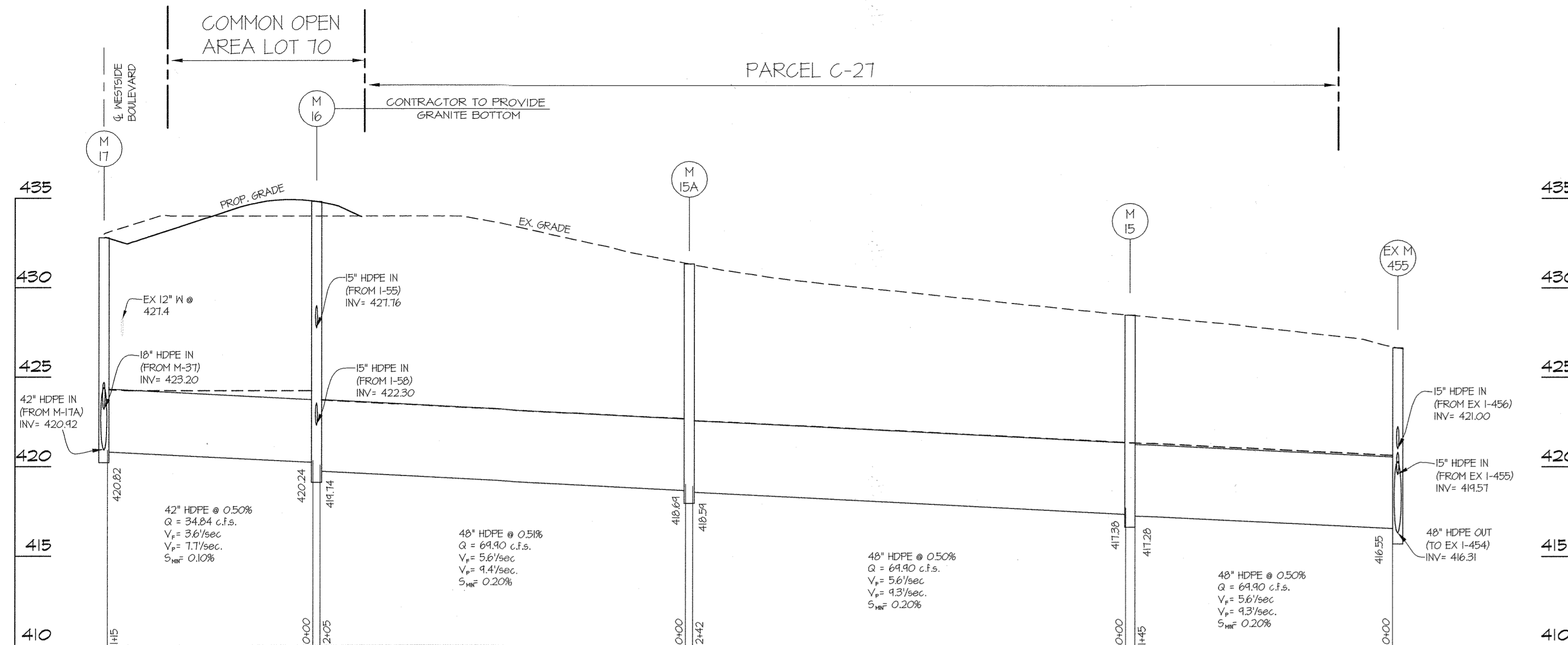


ASBUILTS
 STORM DRAIN PROFILES
 MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'I'
 HOWARD COUNTY, MARYLAND

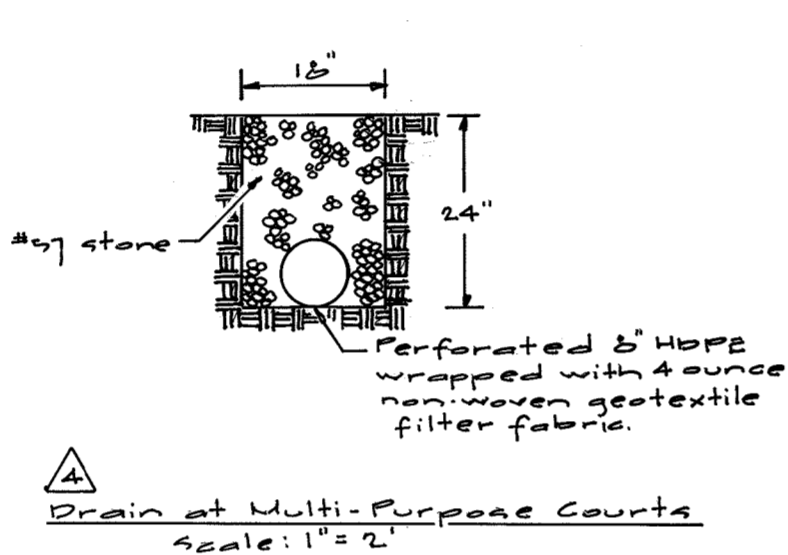
PROFESSIONAL CERTIFICATION
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 12475, Expiration Date: May 26 2016.
 Date: 8/26/15
 Carl K. Otschick
 Professional Engineer
 Maryland Reg. No. 12475

ASEUILT SHEET 7 OF 10

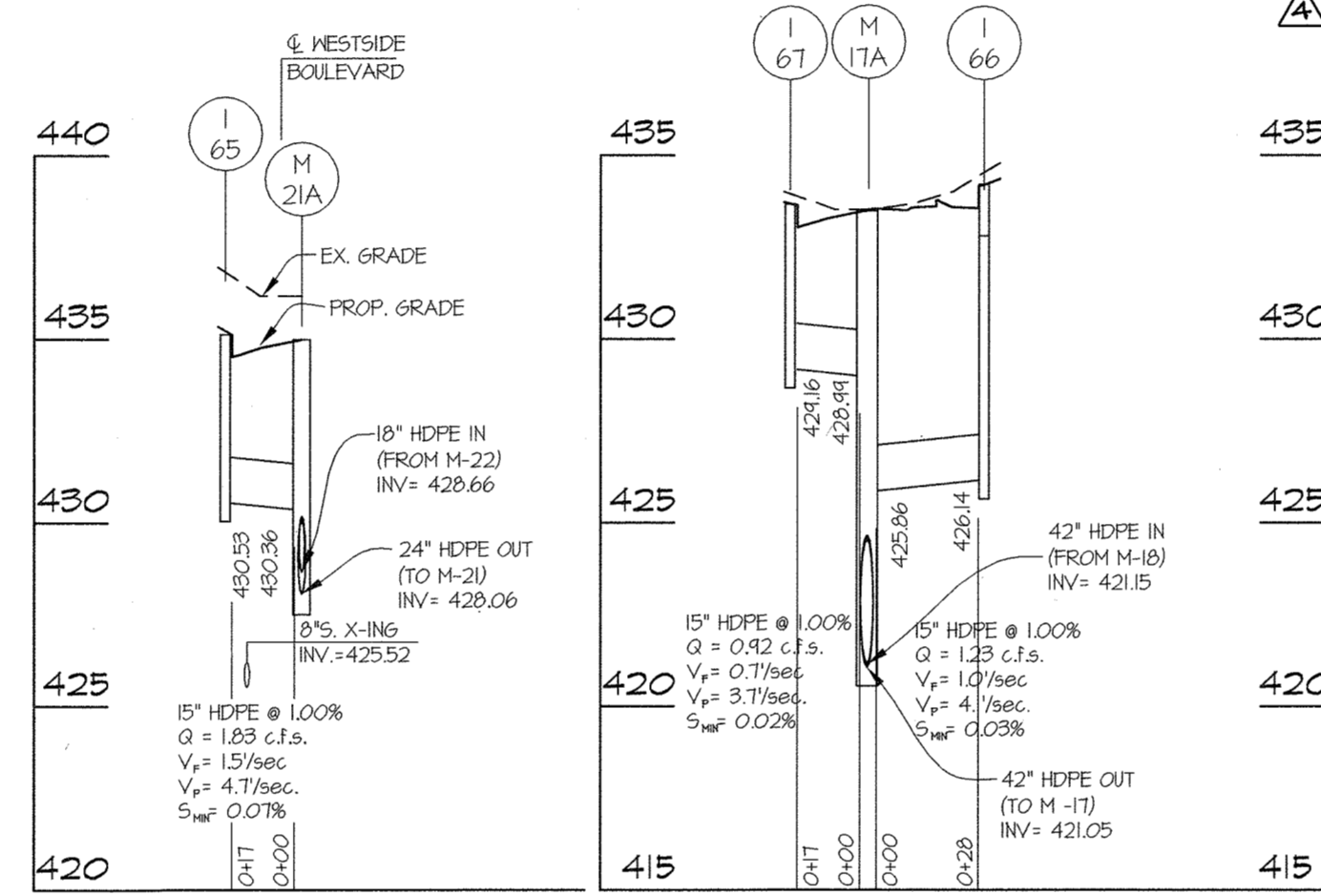
| SCALE | ZONING | G. L. W. FILE NO. |
|-----------------------------|----------------|-------------------|
| 1" = 50' (H) 1" = 5' (V) | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| AUG, 2014 JANUARY, 2012 | 41-21/46-3 | 15 OF 22 |



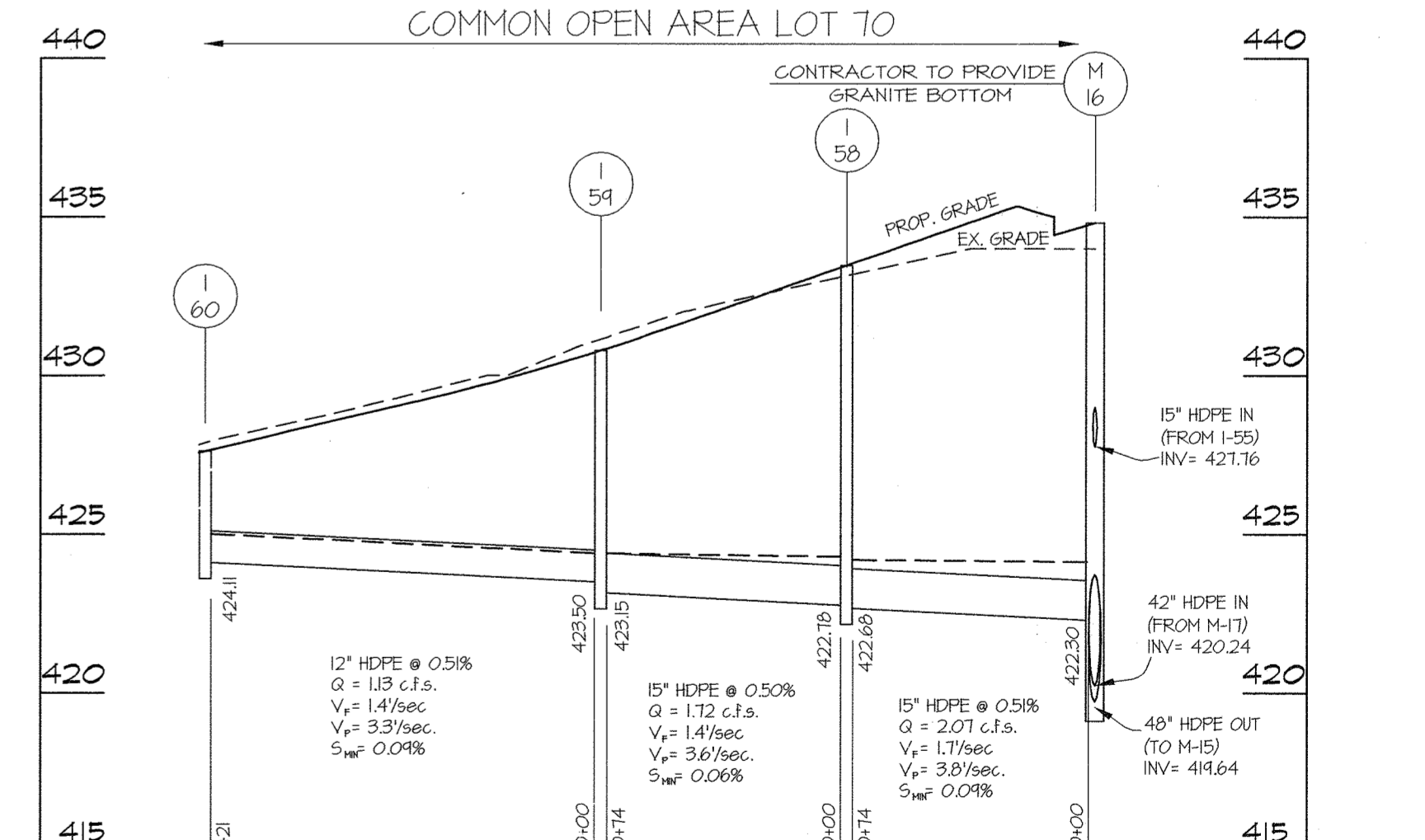
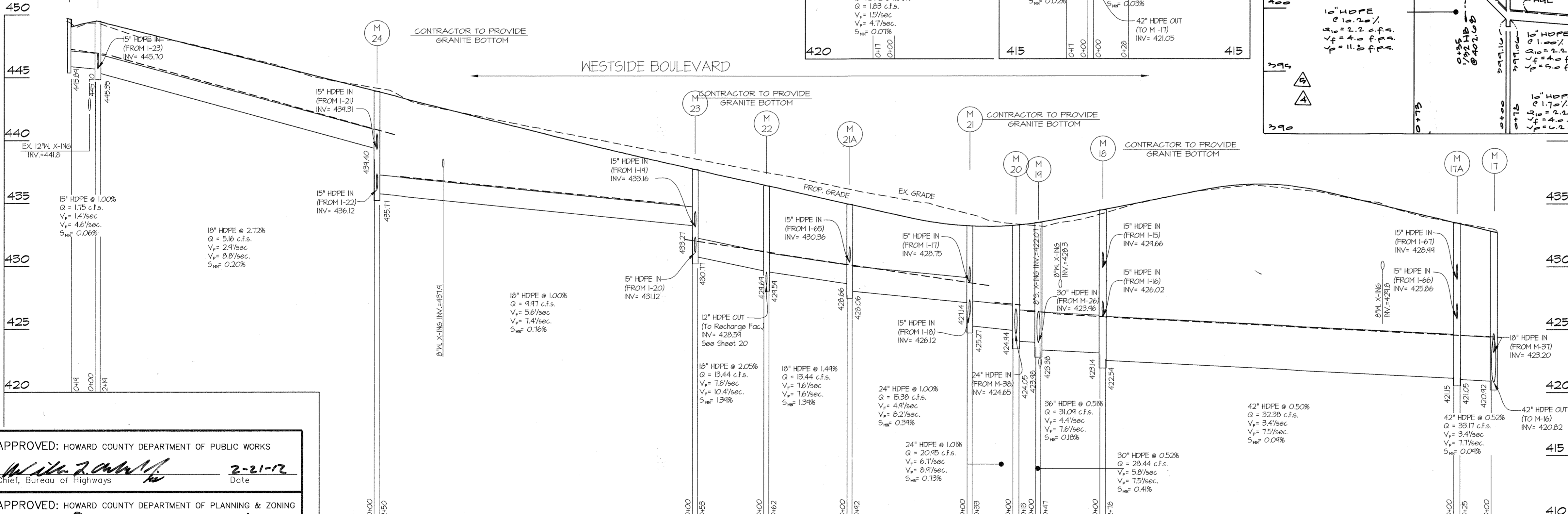
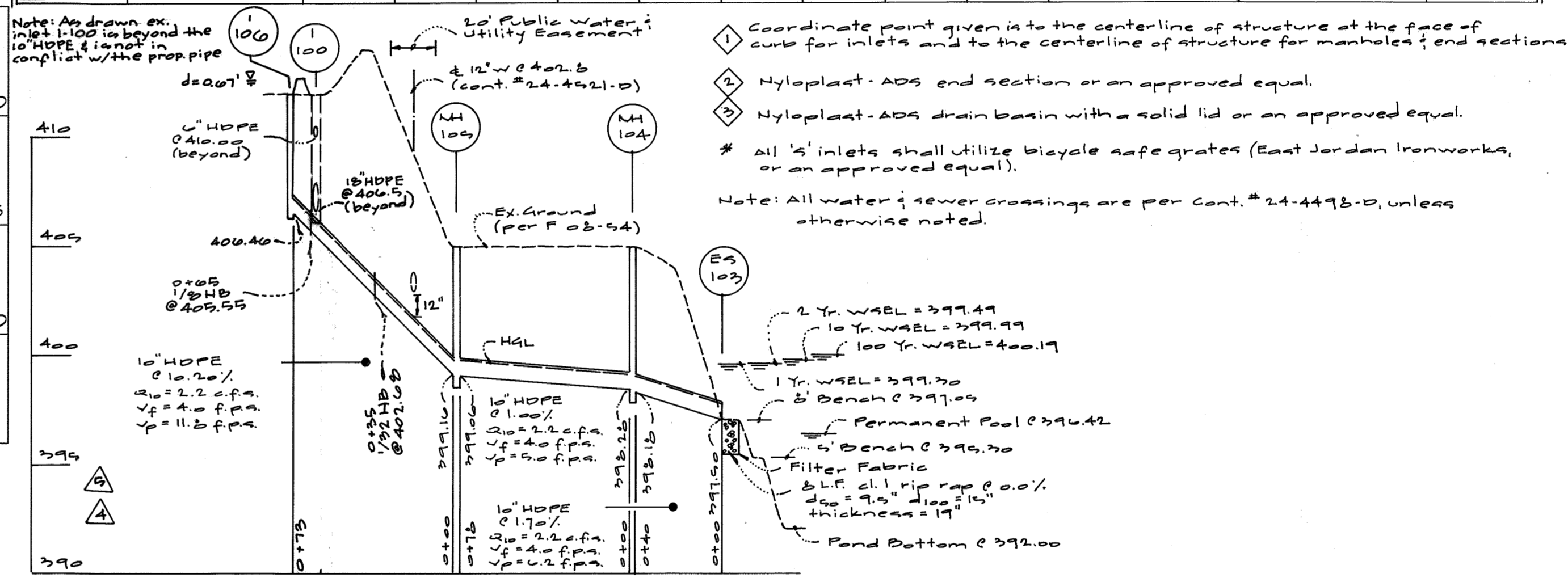
| Size | Type | Quantity (L.F.) | Remarks |
|------|------|-----------------|---------|
| 10" | HDPE | 177 | |
| 12" | | 100 | |
| 15" | | 170 | |
| 18" | | 288 | |
| 24" | | 11 | |
| 30" | | 17 | |
| 36" | | 44 | |
| 42" | | 410 | |
| 48" | | 597 | |



- HDPE indicates High Density Polyethylene pipe such as Hi-2 by Hansar, or an approved equal.
- Trench bedding to be provided per Howard County Detail 4-2-01 (trench for PVC pipe and HDPE).



| NO | TYPE | WIDTH (INSIDE) | TOP ELEVATION | | | | INVERT | | | | STD. DETAIL | LOCATIONS | REMARKS |
|--------|------------------|----------------|---------------|--------|----------|-------|----------|--------|----------|-------|---------------------|-----------------------|---------|
| | | | PROPOSED | | AS-BUILT | | PROPOSED | | AS-BUILT | | | | |
| | | | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | | | |
| I-24 | A-I O INLET | 2'-6" | 450.19 | 449.93 | | | --- | 445.84 | | | HO. CO. SD 4.03 | N 540,803 E 1,338,418 | |
| I-58 | 5' INLET | 2'-15" | 422.79 | 422.73 | | | 422.78 | 422.68 | | | HO. CO. SD 4.22 | N 541,21 E 1,334,194 | |
| I-54 | 5' INLET | 2'-15" | 430.18 | | | | 423.50 | 423.15 | | | HO. CO. SD 4.22 | N 541,192 E 1,334,231 | |
| I-60 | 5' INLET | 2'-15" | 421.62 | | | | --- | 424.11 | | | HO. CO. SD 4.22 | N 541,314 E 1,334,256 | |
| I-65 | A-I O INLET | 2'-6" | 435.31 | 435.04 | | | --- | 430.53 | | | HO. CO. SD 4.03 | N 540,645 E 1,338,820 | |
| M-15 | STANDARD MANHOLE | 6'-0" | 428.50 | | | | 417.38 | 417.28 | | | MD 384.05 | N 540,815 E 1,334,585 | |
| M-15A | STANDARD MANHOLE | 6'-0" | 431.35 | | | | 418.64 | 418.54 | | | MD 384.05 | N 540,961 E 1,334,353 | |
| M-16 | STANDARD MANHOLE | 6'-0" | 424.72 | | | | 421.76 | 419.74 | | | MD 384.05 | N 541,050 E 1,334,165 | |
| M-17 | STANDARD MANHOLE | 6'-0" | 432.77 | | | | 423.20 | 420.82 | | | MD 384.05 | N 541,101 E 1,334,051 | |
| M-18 | STANDARD MANHOLE | 6'-0" | 434.53 | | | | 424.66 | 422.54 | | | MD 384.05 | N 540,820 E 1,338,924 | |
| M-19 | STANDARD MANHOLE | 6'-0" | 433.52 | | | | 423.98 | 423.38 | | | MD 384.05 | N 540,713 E 1,338,902 | |
| M-20 | STANDARD MANHOLE | 5'-0" | 433.31 | | | | 424.94 | 424.05 | | | HO. CO. G-513 | N 540,751 E 1,338,844 | |
| M-21 | STANDARD MANHOLE | 5'-0" | 433.25 | | | | 428.75 | 425.21 | | | HO. CO. G-513 | N 540,723 E 1,338,879 | |
| M-21A | STANDARD MANHOLE | 4'-0" | 434.17 | | | | 430.36 | 428.06 | | | HO. CO. G-512 | N 540,637 E 1,338,838 | |
| M-22 | STANDARD MANHOLE | 4'-0" | 436.46 | | | | 424.64 | 428.54 | | | HO. CO. G-512 | N 540,571 E 1,338,809 | |
| M-23 | STANDARD MANHOLE | 4'-0" | 437.14 | | | | 433.21 | 430.77 | | | HO. CO. G-512 | N 540,534 E 1,338,772 | |
| M-24 | STANDARD MANHOLE | 4'-0" | 443.92 | | | | 434.31 | 435.77 | | | HO. CO. G-512 | N 540,363 E 1,338,585 | |
| M-25 | STANDARD MANHOLE | 4'-0" | 444.51 | | | | 445.70 | 445.35 | | | HO. CO. G-512 | N 540,213 E 1,338,420 | |
| E3 103 | End section | 12" | 392.90 | | | | --- | 397.50 | | | | N 541,191 E 1,339,140 | |
| M 104 | AOS drain basin | 18" | 409.00 | | | | 392.23 | 392.18 | | | | N 541,191 E 1,339,175 | |
| M 105 | AOS drain basin | 18" | 409.00 | | | | 399.10 | 399.00 | | | | N 541,171 E 1,339,192 | |
| I-lev | AOS drain basin | 18" | 412.00 | | | | --- | 406.40 | | | HO. CO. Det. D-4.22 | N 541,308 E 1,339,194 | |



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 Date: 2-21-12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Date: 3/09/12

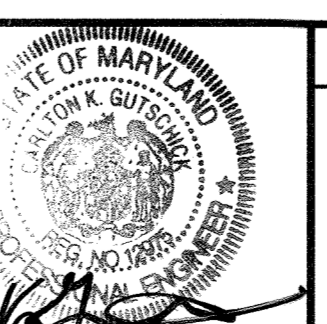
Chief, Development Engineering Division
 Date: 3/7/12

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONVILLE OFFICE PARK
 BURTONVILLE, MARYLAND 20866
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-999-2524 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|------------|--|-----|-------|
| 2012-10-17 | Rev. top of structure elevation due to grade change | CLP | |
| 2012-06-01 | Added profile & detail for stone trench drain & rev structure each to reflect add'l SD | CLP | |
| 2012-07-14 | Rev. SD to allow I-100 to remain & construct I-106 to pick up runoff from park | CLP | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

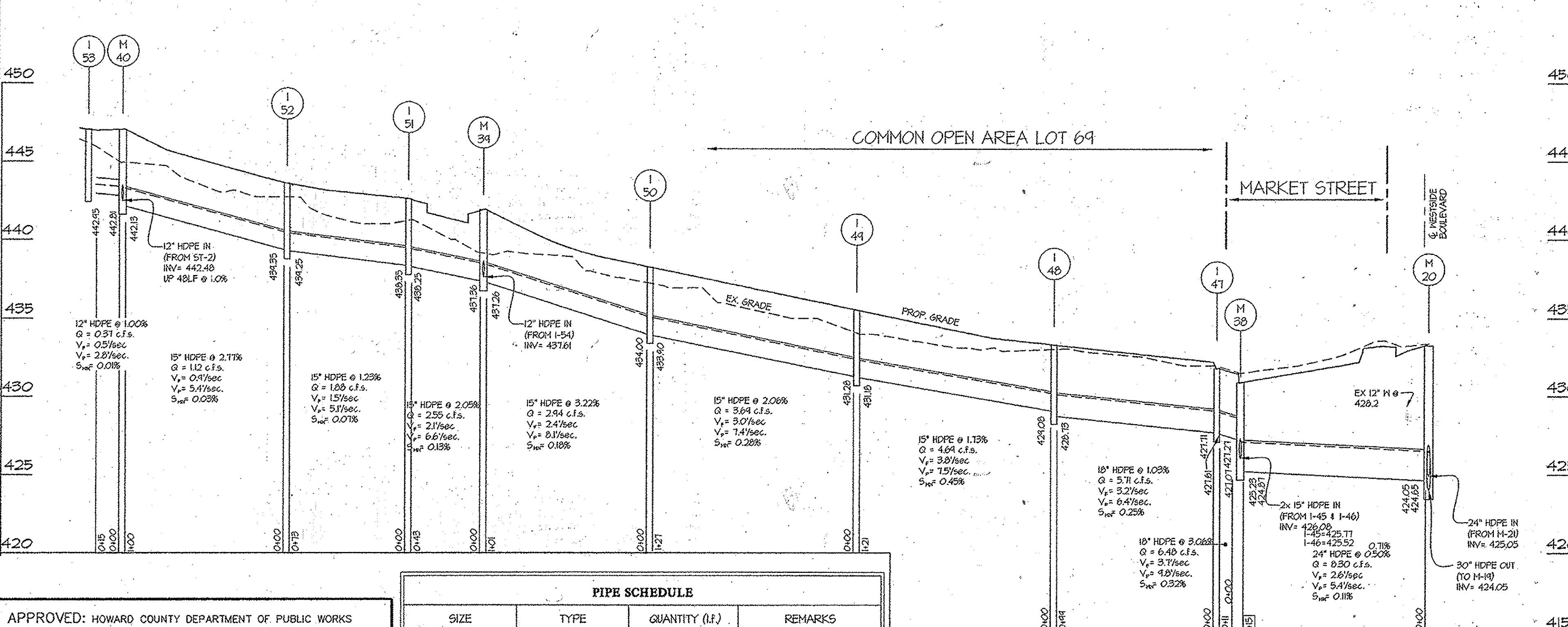
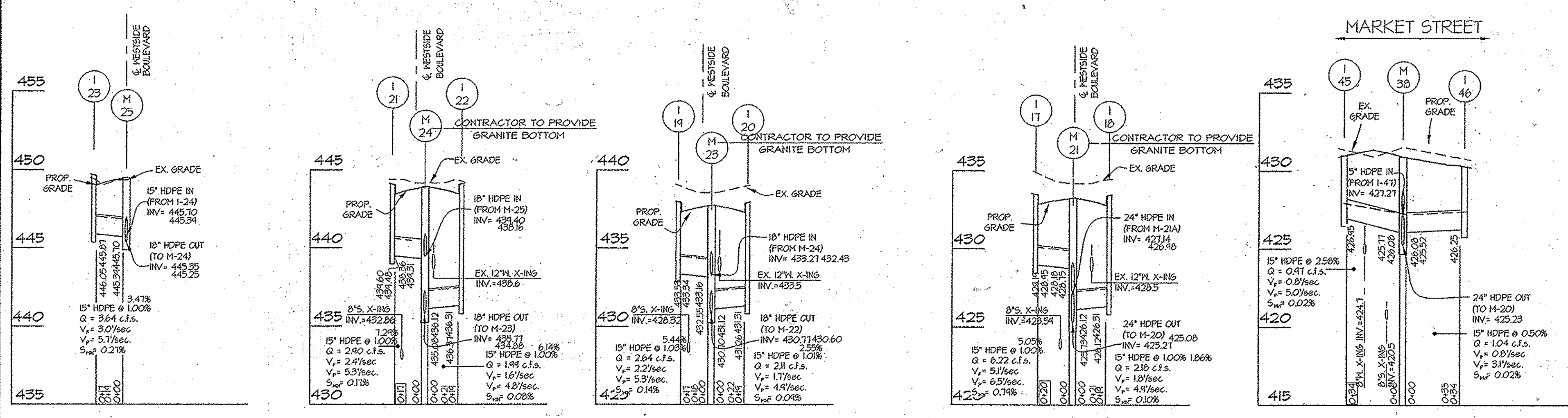
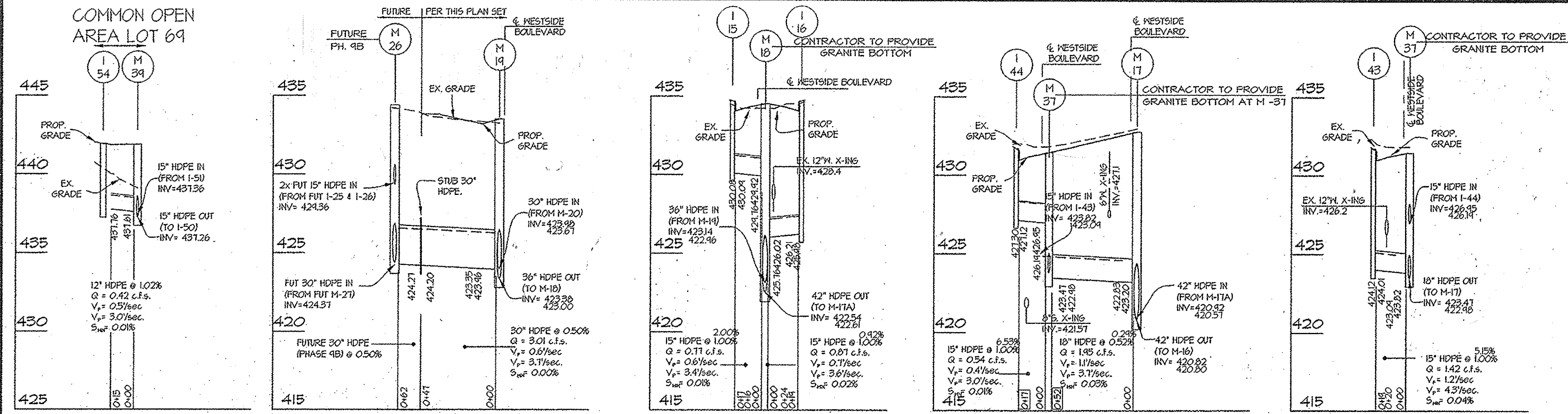
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12419
 EXPIRATION DATE: MAY 26, 2012



STORM DRAIN PROFILES
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, C.O.A. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B'-2 AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE No. |
|-----------------------------|----------------|-------------------|
| 1" = 50' (H) 1" = 5' (V) | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 16 OF 22 |

COMMON OPEN AREA LOT 69



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 Date: 2-21-12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Date: 3/1/12

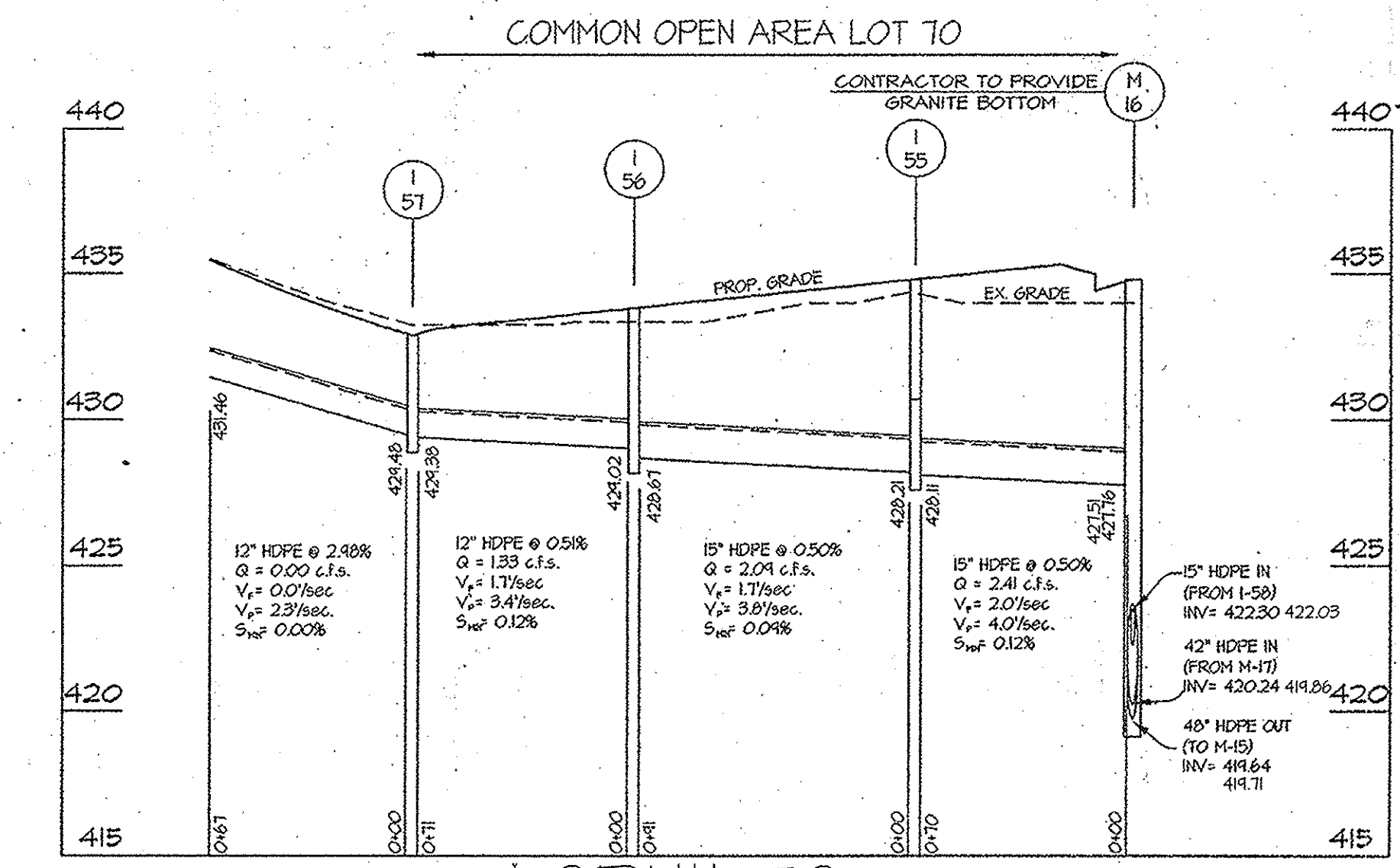
APPROVED: Chief, Development Engineering Division
 Date: 3/1/12

| SIZE | TYPE | QUANTITY (LF) | REMARKS |
|------|------|---------------|---------|
| 12" | HDPE | 97 | |
| 15" | HDPE | 1008 | |
| 18" | HDPE | 161 | |
| 24" | HDPE | 115 | |
| 30" | HDPE | 42 | |

HDPE indicates High Density Polyethylene pipe, such as N-12 by ADS, or HI-Q by Hancor or an approved equal.
 Trench bedding to be provided per Howard County Detail 6.2.01.
 Trench for P.V.C. pipe and HD.P.E.

| NO | TYPE | WIDTH (INSIDE) | TOP ELEVATION | | | | INVERT | | | | STD. DETAIL | LOCATIONS | REMARKS |
|-------|------------------|----------------|---------------|--------|----------|--------|----------|--------|----------|-----------------|----------------------|-----------|---------|
| | | | PROPOSED | | AS-BUILT | | PROPOSED | | AS-BUILT | | | | |
| | | | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | | | |
| I-5 | A-10 INLET | 2'-6" | 434.75 | 434.54 | 434.45 | 434.32 | --- | 430.04 | 430.08 | HO. CO. SD 4.03 | N 540,828 E 1338,907 | I-5 | |
| I-6 | A-10 INLET | 2'-6" | 434.75 | 434.54 | 434.32 | 434.36 | --- | 426.21 | 426.48 | HO. CO. SD 4.03 | N 540,811 E 1338,943 | | |
| I-7 | A-10 INLET | 4'-0" | 433.14 | 433.16 | 433.21 | 433.12 | --- | 428.45 | 424.14 | HO. CO. SD 4.34 | N 540,722 E 1338,857 | | |
| I-8 | A-10 INLET | 2'-6" | 433.42 | 433.40 | 433.34 | 433.18 | --- | 426.31 | 426.12 | HO. CO. SD 4.03 | N 540,714 E 1338,841 | | |
| I-9 | A-10 INLET | 2'-6" | 433.47 | 433.23 | 431.47 | 431.36 | --- | 433.14 | 433.53 | HO. CO. SD 4.03 | N 540,546 E 1338,751 | | |
| I-20 | A-10 INLET | 2'-6" | 433.47 | 433.23 | 433.30 | 433.10 | --- | 431.31 | 431.26 | HO. CO. SD 4.03 | N 540,514 E 1338,707 | | |
| I-21 | A-10 INLET | 2'-6" | 444.05 | 443.78 | 443.51 | 443.71 | --- | 434.48 | 434.60 | HO. CO. SD 4.03 | N 540,371 E 1338,572 | | |
| I-22 | A-10 INLET | 2'-6" | 444.05 | 443.78 | 443.75 | 443.72 | --- | 436.31 | 436.37 | HO. CO. SD 4.03 | N 540,347 E 1338,518 | | |
| I-23 | A-10 INLET | 2'-6" | 444.64 | 444.54 | 444.56 | 444.38 | --- | 445.87 | 446.05 | HO. CO. SD 4.03 | N 540,227 E 1338,407 | | |
| I-43 | A-10 INLET | 2'-6" | 431.77 | 431.51 | 431.50 | 431.48 | --- | 424.01 | 424.12 | HO. CO. SD 4.03 | N 541,142 E 1339,100 | | |
| I-44 | A-10 INLET | 2'-6" | 431.77 | 431.51 | 431.38 | 431.30 | --- | 427.12 | 427.30 | HO. CO. SD 4.03 | N 541,160 E 1339,064 | | |
| I-45 | HR- INLET | 2'-6" | 431.42 | 431.23 | 431.35 | 431.24 | --- | 426.95 | xxxxx | HO. CO. SD 4.03 | N 540,741 E 1339,014 | | |
| I-46 | HR- INLET | 2'-6" | 431.71 | 430.52 | 430.62 | 430.54 | --- | 426.25 | xxxxx | HO. CO. SD 4.03 | N 540,688 E 1339,031 | | |
| I-47 | 'S' INLET | 2'-15" | 432.82 | --- | --- | --- | --- | 427.71 | 427.21 | HO. CO. SD 4.22 | N 540,842 E 1338,945 | | |
| I-48 | 'S' INLET | 2'-15" | 433.33 | --- | --- | --- | --- | 429.08 | 428.73 | HO. CO. SD 4.22 | N 540,594 E 1338,951 | | |
| I-49 | 'S' INLET | 2'-15" | 435.53 | --- | --- | --- | --- | 431.28 | 431.18 | HO. CO. SD 4.22 | N 540,487 E 1338,841 | | |
| I-50 | 'S' INLET | 2'-15" | 438.25 | --- | --- | --- | --- | 434.00 | 433.90 | HO. CO. SD 4.22 | N 540,398 E 1338,800 | | |
| I-51 | 'S' INLET | 2'-15" | 422.60 | --- | --- | --- | --- | 438.35 | 438.25 | HO. CO. SD 4.22 | N 540,246 E 1338,688 | | |
| I-52 | 'S' INLET | 2'-15" | 443.60 | --- | --- | --- | --- | 434.35 | 434.25 | HO. CO. SD 4.22 | N 540,244 E 1338,631 | | |
| I-53 | A-5 INLET | 3'-0" | 446.46 | 446.86 | --- | --- | --- | 442.63 | --- | HO. CO. SD 4.01 | N 540,174 E 1338,538 | | |
| I-54 | A-5 INLET | 3'-0" | 441.84 | 441.80 | --- | --- | --- | 437.76 | --- | HO. CO. SD 4.01 | N 540,333 E 1338,707 | | |
| I-55 | 'S' INLET | 2'-15" | 434.82 | --- | --- | --- | --- | 428.21 | 428.11 | HO. CO. SD 4.22 | N 540,984 E 1339,133 | | |
| I-56 | 'S' INLET | 2'-15" | 433.82 | --- | --- | --- | --- | 429.02 | 428.67 | HO. CO. SD 4.22 | N 540,847 E 1339,043 | | |
| I-57 | 'S' INLET | 2'-15" | 432.88 | --- | --- | --- | --- | 429.48 | 429.38 | HO. CO. SD 4.22 | N 540,830 E 1339,061 | | |
| ST-26 | END OF PIPE | --- | --- | --- | --- | --- | --- | --- | 424.20 | --- | N 540,744 E 1338,958 | ST-26 | |
| M-16 | STANDARD MANHOLE | 6'-0" | 434.82 | --- | --- | --- | --- | 427.16 | 419.64 | MD384.05 | N 541,050 E 1339,165 | M-16 | |
| M-17 | STANDARD MANHOLE | 6'-0" | 432.77 | --- | --- | --- | --- | 429.20 | 420.82 | MD384.05 | N 541,011 E 1339,057 | M-17 | |
| M-18 | STANDARD MANHOLE | 6'-0" | 434.53 | --- | --- | --- | --- | 429.42 | 422.54 | MD384.05 | N 540,814 E 1338,947 | M-18 | |
| M-19 | STANDARD MANHOLE | 6'-0" | 433.52 | --- | --- | --- | --- | 423.48 | 423.38 | MD384.05 | N 540,773 E 1338,902 | M-19 | |
| M-20 | STANDARD MANHOLE | 5'-0" | 433.31 | --- | --- | --- | --- | 425.05 | 424.05 | HO. CO. 6-5.13 | N 540,751 E 1338,844 | M-20 | |
| M-21 | STANDARD MANHOLE | 5'-0" | 433.25 | --- | --- | --- | --- | 429.75 | 425.27 | HO. CO. 6-5.13 | N 540,723 E 1338,874 | M-21 | |
| M-23 | STANDARD MANHOLE | 4'-0" | 437.14 | --- | --- | --- | --- | 433.27 | 430.77 | HO. CO. 6-5.12 | N 540,534 E 1338,772 | M-23 | |
| M-24 | STANDARD MANHOLE | 4'-0" | 443.42 | --- | --- | --- | --- | 443.36 | 439.40 | HO. CO. 6-5.12 | N 540,363 E 1338,585 | M-24 | |
| M-25 | STANDARD MANHOLE | 4'-0" | 449.50 | --- | --- | --- | --- | 445.70 | 445.35 | HO. CO. 6-5.12 | N 540,213 E 1338,420 | M-25 | |
| M-37 | STANDARD MANHOLE | 4'-0" | 431.44 | --- | --- | --- | --- | 426.95 | 423.47 | HO. CO. 6-5.12 | N 541,151 E 1339,021 | M-37 | |
| M-38 | STANDARD MANHOLE | 4'-0" | 431.41 | --- | --- | --- | --- | 427.27 | 423.23 | HO. CO. 6-5.12 | N 540,706 E 1339,002 | M-38 | |
| M-39 | STANDARD MANHOLE | 6'-0" | 441.90 | --- | --- | --- | --- | 437.61 | 437.26 | MD384.05 | N 540,321 E 1338,723 | M-39 | |
| M-40 | STANDARD MANHOLE | 6'-0" | 447.03 | --- | --- | --- | --- | 442.81 | 442.13 | MD384.05 | N 540,173 E 1338,554 | M-40 | |

COORDINATE POINT GIVEN IS TO THE CENTERLINE OF STRUCTURE AT THE FACE OF CURB FOR INLETS AND TO THE CENTERLINE OF STRUCTURE FOR MANHOLES AND END SECTIONS.
 * ALL 'S' INLETS SHALL UTILIZE BICYCLE SAFE GRATES (EAST JORDAN IRON WORKS, OR APPROVED EQUAL)



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. 12475, Expiration Date: May 26, 2016.
 Date: 8/26/15
 Carl K. Gutschick
 Professional Engineer
 Maryland Reg. No. 12475

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 FAX: 301-421-4185

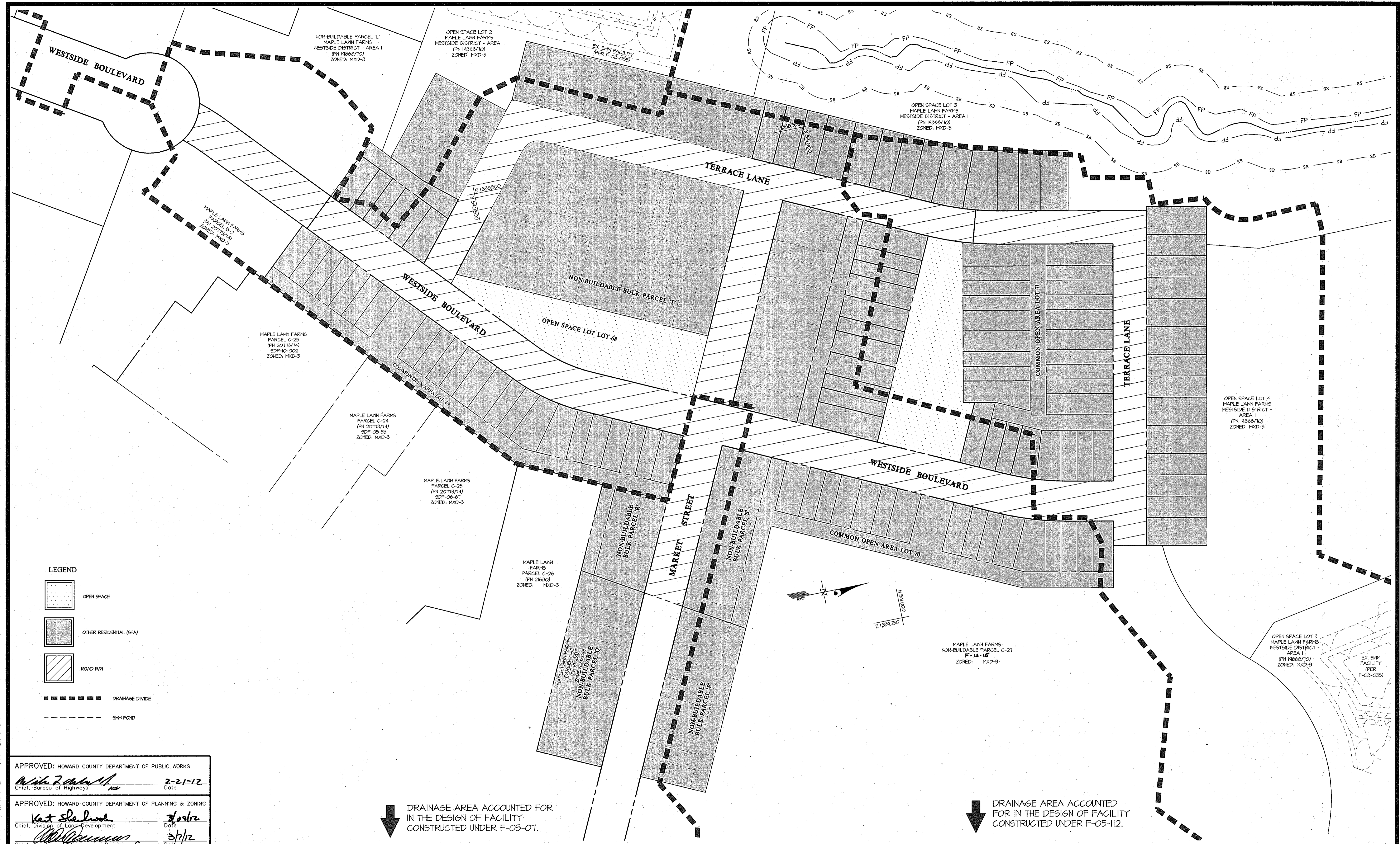
| DATE | REVISION | BY | APPR. |
|------|----------|----|-------|
| | | | |
| | | | |
| | | | |
| | | | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS 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. 12475, EXPIRATION DATE: MAY 26, 2012.
 Date: 2-21-12

STORM DRAIN PROFILES
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, OS. LOT 68, C.O.A. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 5

| SCALE | ZONING | G. L. W. FILE NO. |
|---------------------------------|----------------------------|-------------------|
| 1" = 50' (H) 1" = 5' (V) | MXD-3 | 10001 |
| DATE: AUG 2015 JANUARY, 2012 | TAX MAP - GRID: 41-21/46-3 | SHEET: 17 OF 22 |



↓ DRAINAGE AREA ACCOUNTED FOR IN THE DESIGN OF FACILITY CONSTRUCTED UNDER F-03-01.

↓ DRAINAGE AREA ACCOUNTED FOR IN THE DESIGN OF FACILITY CONSTRUCTED UNDER F-05-112.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. J. ... 2-21-12
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
K. ... 2/21/12
 Chief, Division of Land Development Date

M. ... 2/21/12
 Chief, Development Engineering Division Date

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20886
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|------|----------|----|-------|
| | | | |
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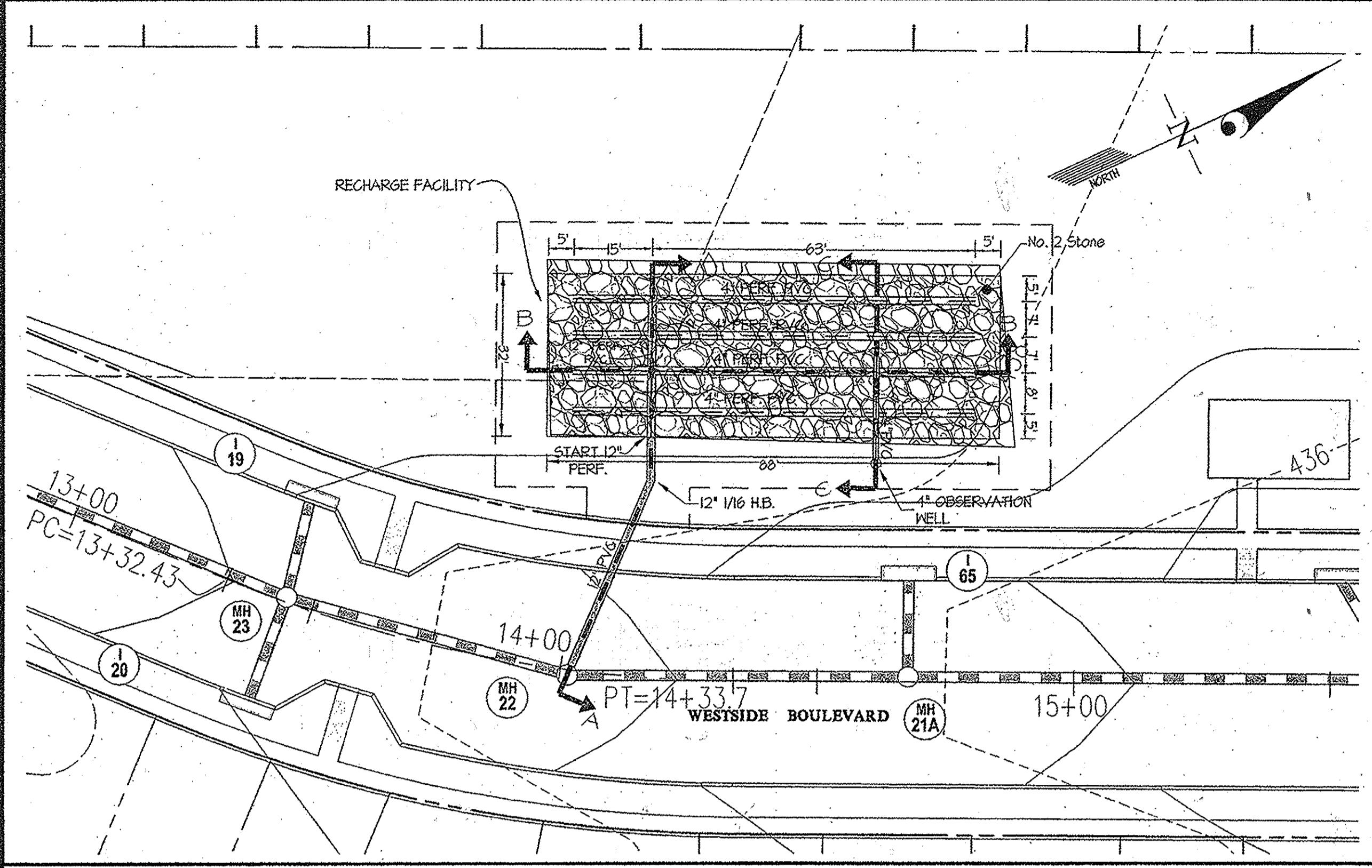
PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS 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. 12975
 EXPIRATION DATE: MAY 28, 2012
 2-2-12

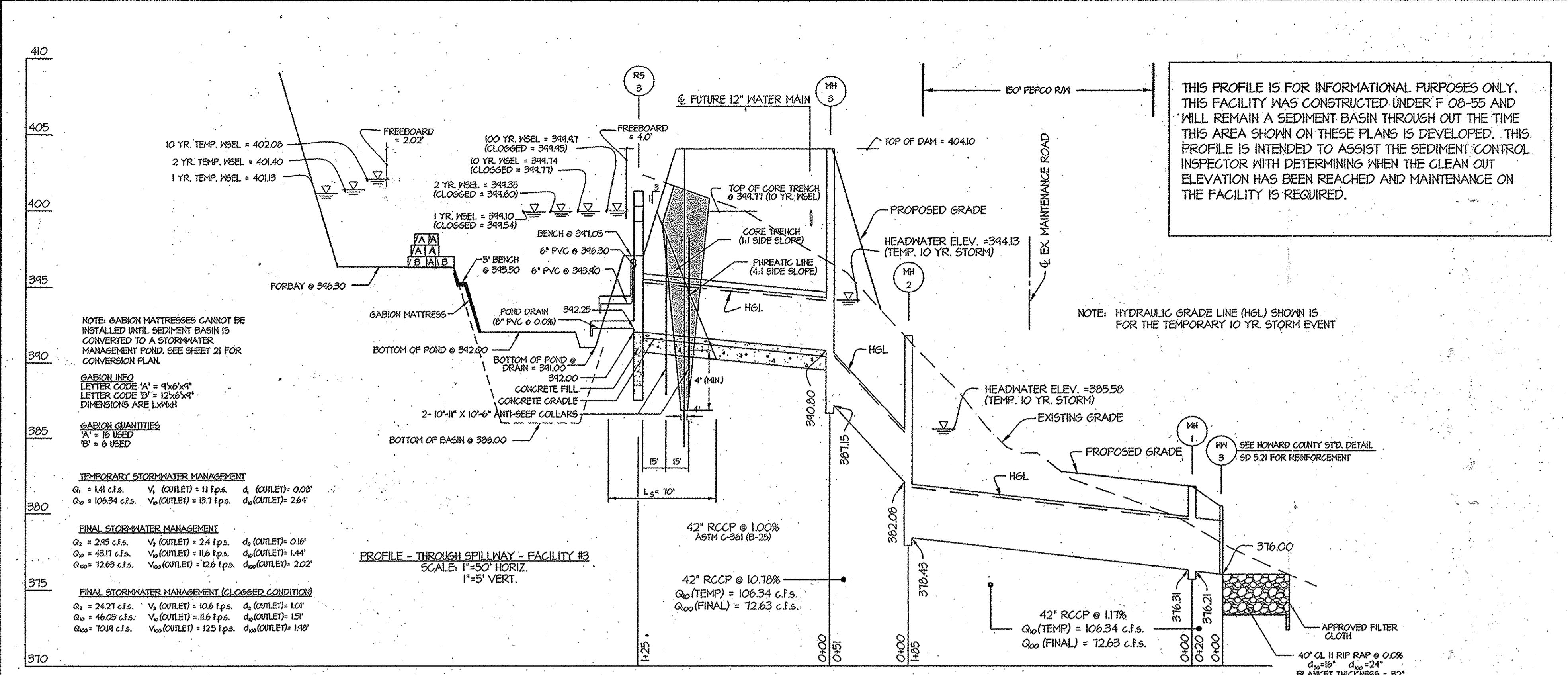


LAND USE PLAN FOR STORMWATER MANAGEMENT
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, OS. LOT 68, COA. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5

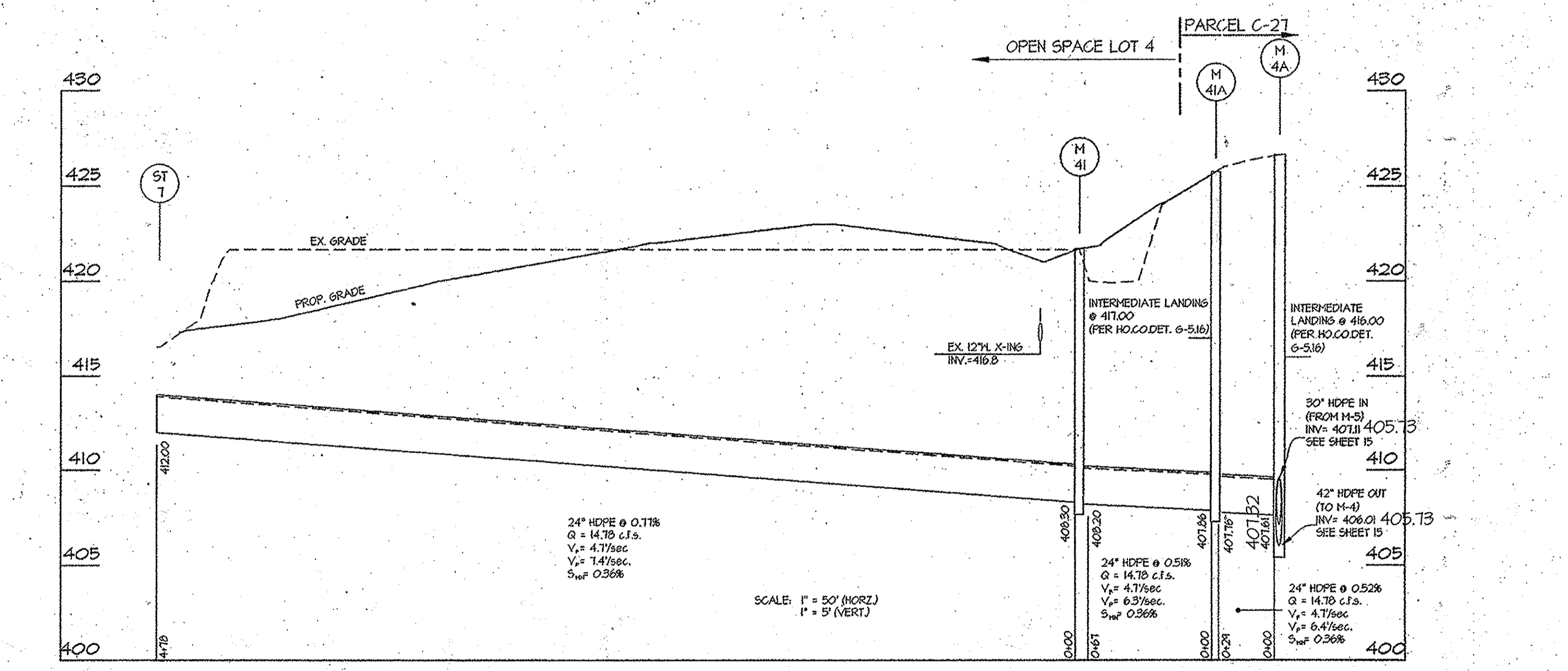
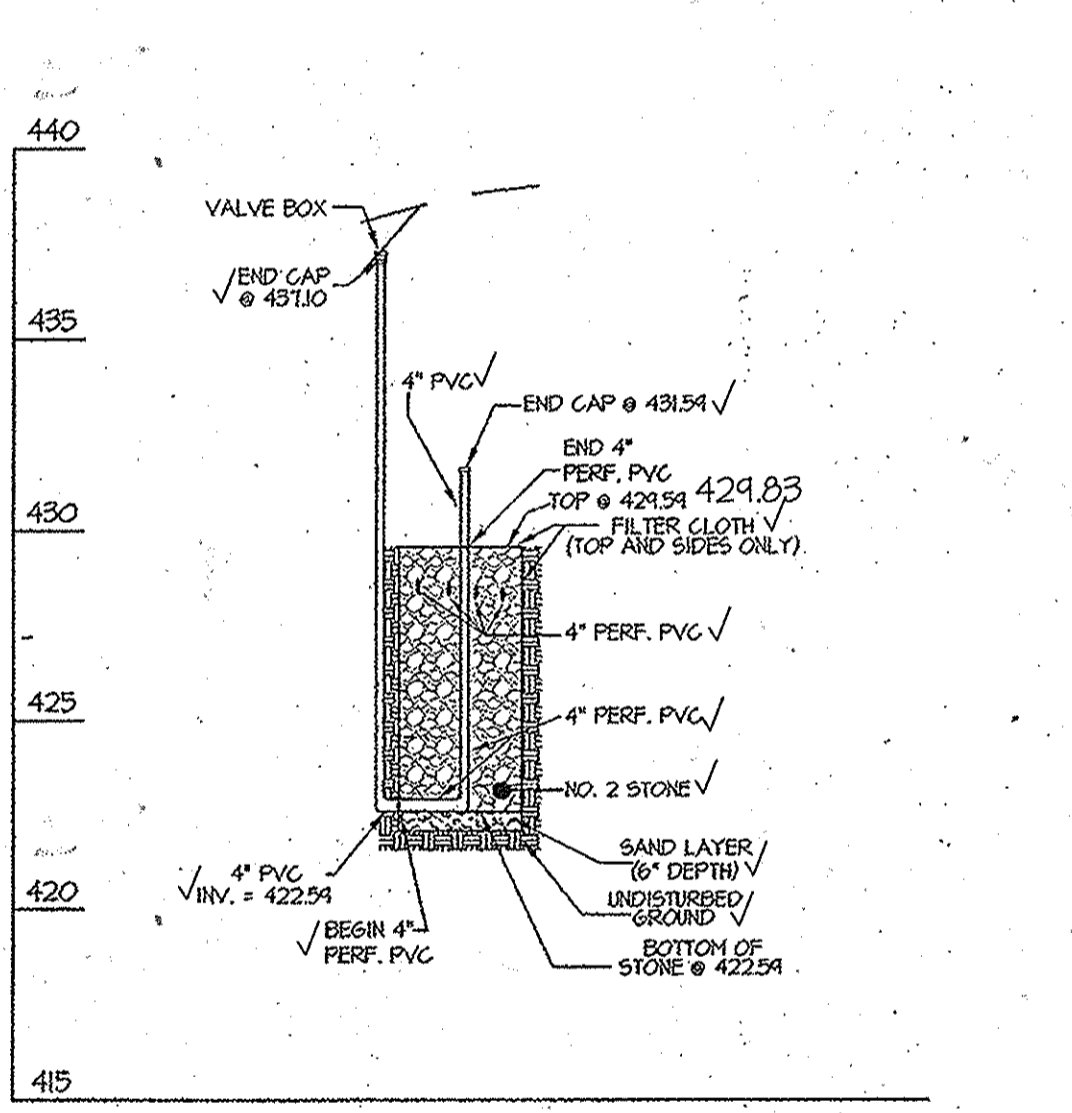
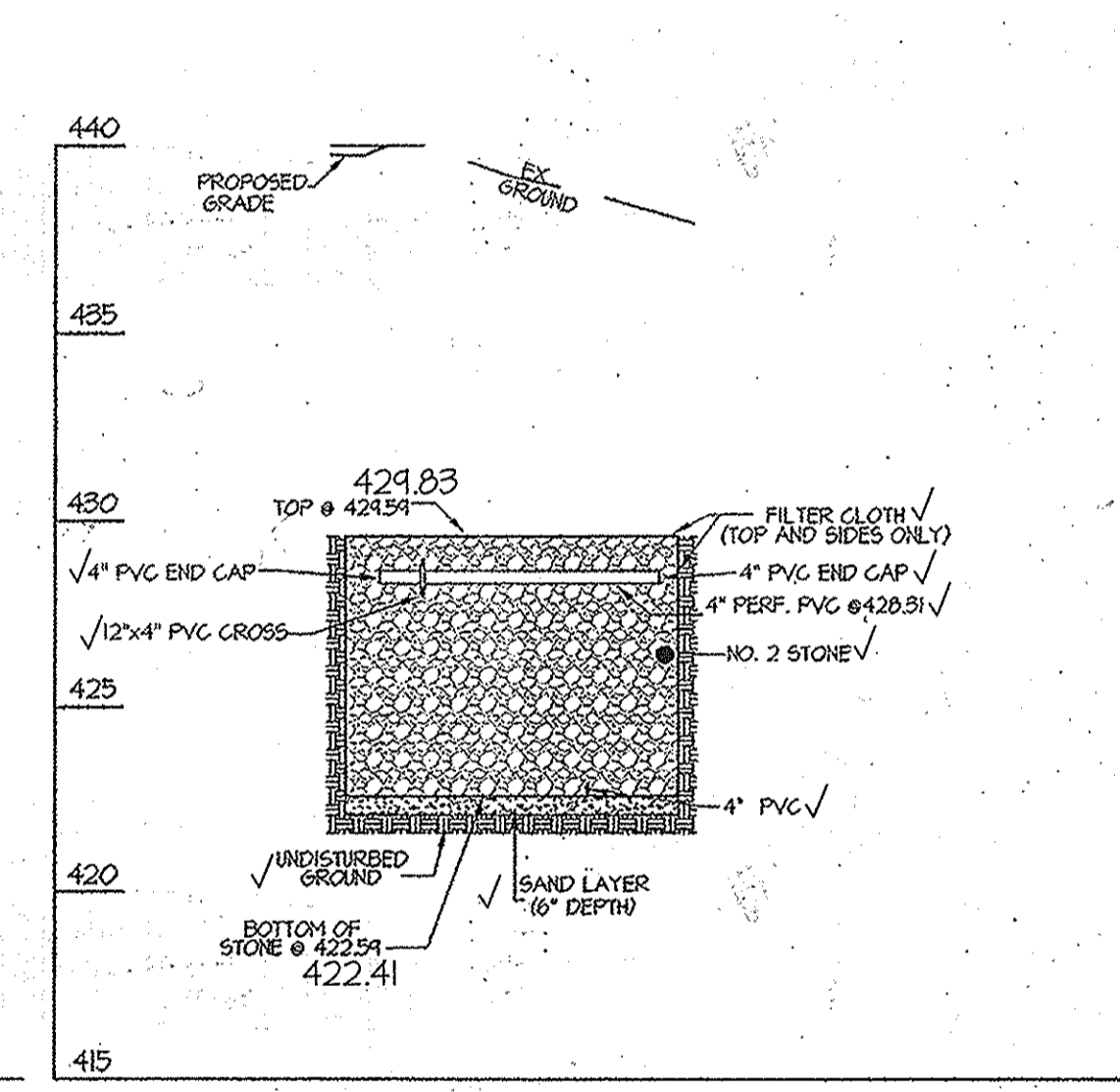
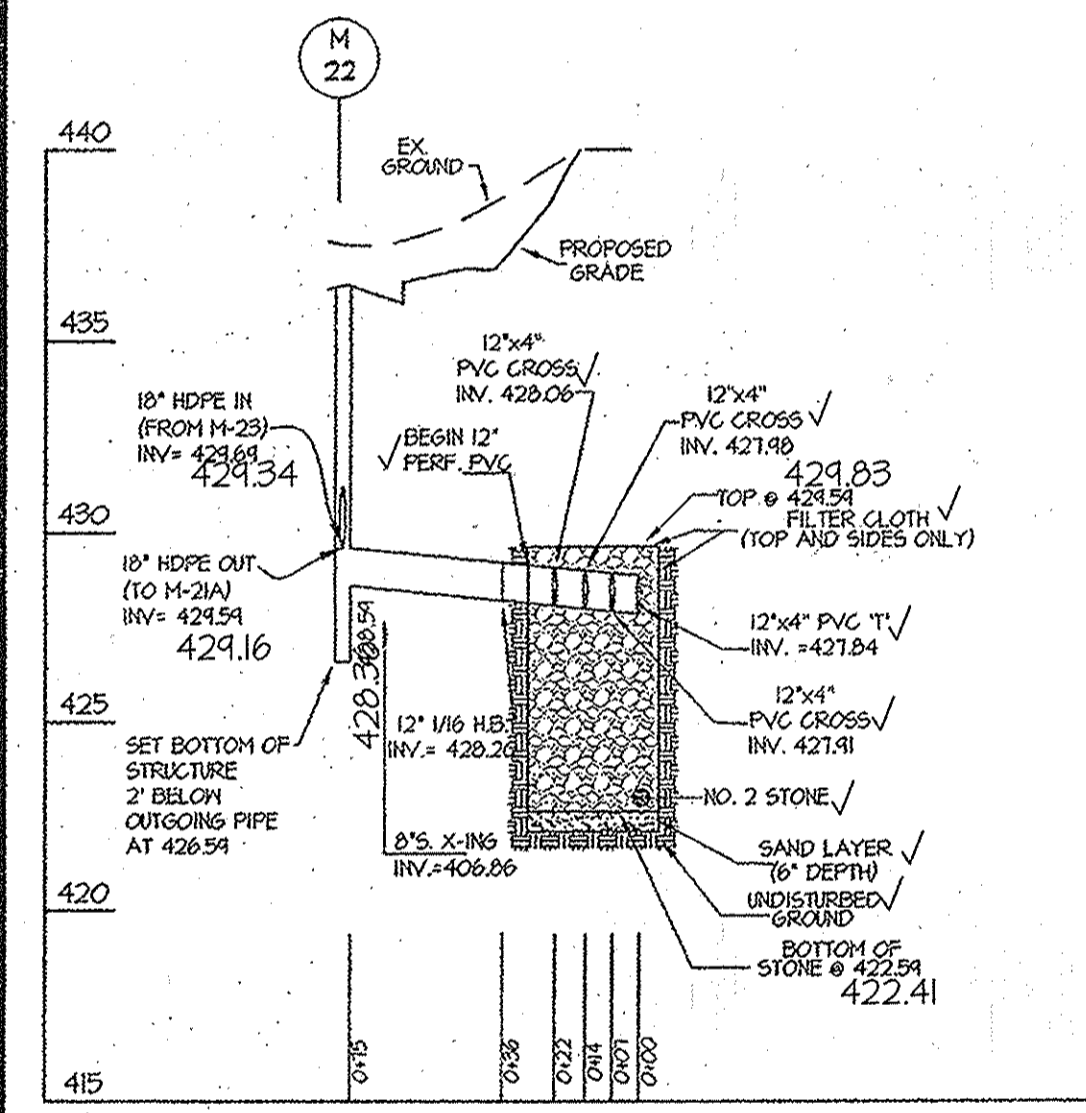
| SCALE | ZONING | G. L. W. FILE No. |
|---------------|----------------|-------------------|
| 1"=60' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 18 OF 22 |



RECHARGE FACILITY PLAN VIEW SCALE 1" = 20'



THIS PROFILE IS FOR INFORMATIONAL PURPOSES ONLY. THIS FACILITY WAS CONSTRUCTED UNDER F 08-55 AND WILL REMAIN A SEDIMENT BASIN THROUGH OUT THE TIME THIS AREA SHOWN ON THESE PLANS IS DEVELOPED. THIS PROFILE IS INTENDED TO ASSIST THE SEDIMENT CONTROL INSPECTOR WITH DETERMINING WHEN THE CLEAN OUT ELEVATION HAS BEEN REACHED AND MAINTENANCE ON THE FACILITY IS REQUIRED.



| SIZE & TYPE | QUANTITY (LF) | REMARKS |
|---------------|---------------|---------|
| 12" PVC | 48 | SCH. 40 |
| 12" PERF. PVC | 27 | SCH. 40 |
| 4" PVC | 18 | SCH. 40 |
| 4" PERF. PVC | 335 | SCH. 40 |
| 24" HDPE | 514 | |

- OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED STORMWATER INFILTRATION TRENCHES
- THE MONITORING WELLS AND STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM EVENT.
 - WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS SHALL BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
 - A LOG BOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
 - WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN THE 12 HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
 - THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
 - ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

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. 12475, Expiration Date: May 26 2016.

8/26/15
Date
Carl K. Feutschick
Professional Engineer
Maryland Reg. No. 12475

| NO | TYPE | WIDTH (INSIDE) | TOP ELEVATION | | | | INVERT | | | | STD. DETAIL | LOCATIONS | REMARKS |
|-------|------------------|----------------|---------------|-------|----------|-------|----------|--------|----------|--------|-------------|---------------------|---------------------|
| | | | PROPOSED | | AS-BUILT | | PROPOSED | | AS-BUILT | | | | |
| | | | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | UPPER | LOWER | | | |
| ST-1 | STORM DRAIN STUB | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | N 541561 E 1339,746 | |
| M-4I | STANDARD MANHOLE | 4'-0" | 421.75 | --- | --- | --- | --- | 408.30 | 408.20 | --- | --- | N 541472 E 1339,266 | |
| M-4IA | STANDARD MANHOLE | 4'-0" | 425.75 | --- | --- | --- | --- | 407.86 | 407.76 | --- | --- | N 541402 E 1339,252 | |
| M-4A | STANDARD MANHOLE | 6'-0" | 426.63 | --- | 426.24 | --- | --- | 407.61 | 406.01 | 407.32 | 405.73 | MSHA MD 384.05 | N 541310 E 1339,251 |

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. R. ... 2-21-12
Chief, Bureau of Highways

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
K. ... 3/09/12
Chief, Division of Land Development

APPROVED: ... 3/7/12
Chief, Development Engineering Division

GLWGUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3809 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-889-2524 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|------|----------|----|-------|
| | | | |

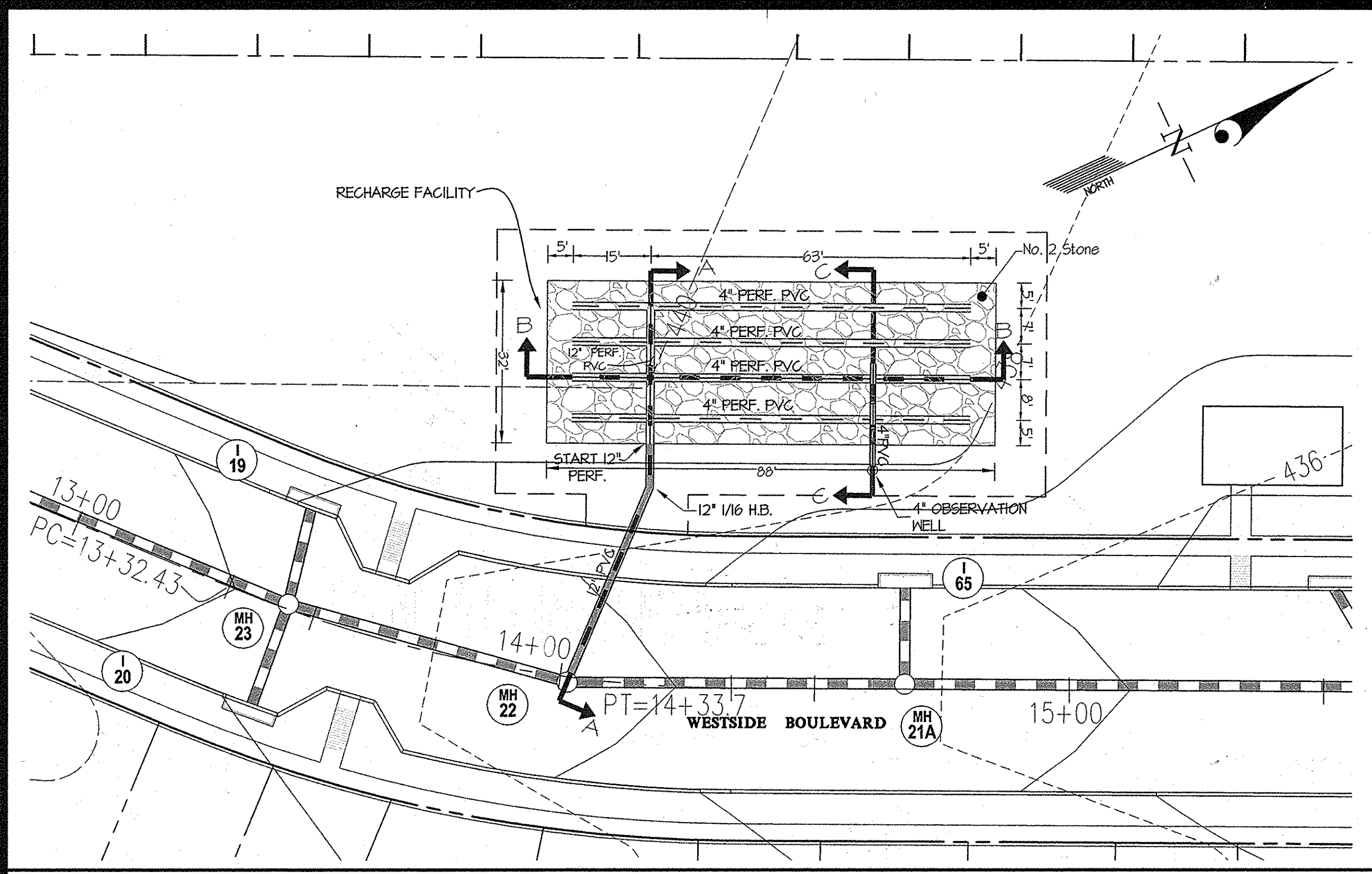
PREPARED FOR:
GREENBAUM DEVELOPMENT, INC
SUITE 300 WOODHOLME CENTER
1829 REISTERSTOWN ROAD
BALTIMORE, MD 21208
ATTN: MARK BENNETT
410-484-8400

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS 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. 12275, EXPIRATION DATE: MAY 26, 2012.

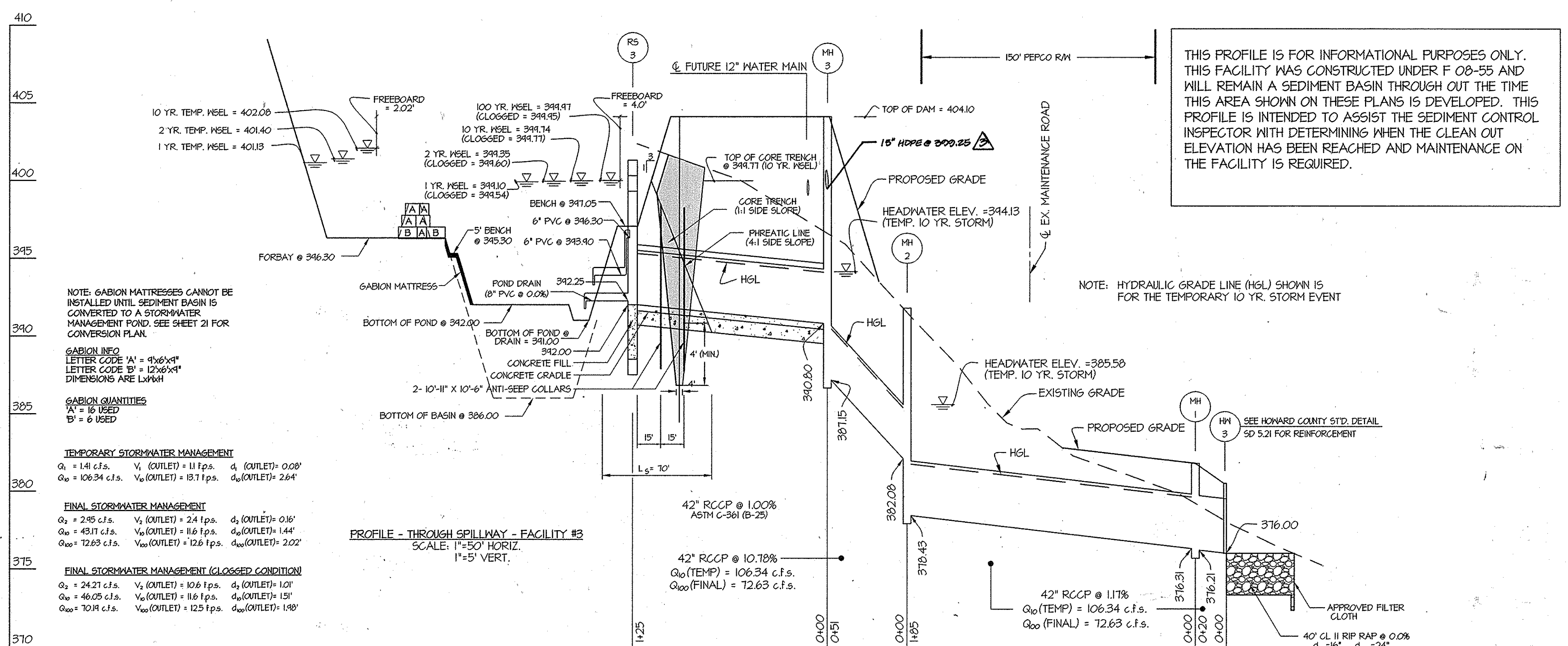
2-2-12
Date

RECHARGE FACILITY DETAILS
MAPLE LAWN FARMS
WESTSIDE DISTRICT - AREA 2
WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
WESTSIDE DISTRICT - AREA 2 LOTS 1 THRU 6, D.S. LOT 68, C.O.A. LOTS 69 THRU 71
AND NON-BUILDABLE BULK PARCELS Q THRU T
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE NO. |
|------------------------------------|------------------------------|-------------------|
| AS SHOWN | MXD-3 | 10001 |
| DATE AUG. 2015 JANUARY, 2012 | TAX MAP - GRID 41-21/46=3 | SHEET 20 OF 22 |



RECHARGE FACILITY PLAN VIEW SCALE 1" = 20'



NOTE: GABION MATRESSES CANNOT BE INSTALLED UNTIL SEDIMENT BASIN IS CONVERTED TO A STORMWATER MANAGEMENT POND. SEE SHEET 21 FOR CONVERSION PLAN.

GABION LEO LETTER CODE 'A' = 4'x6'x4' DIMENSIONS ARE LxWxH

GABION QUANTITIES 'A' = 16 USED 'B' = 6 USED

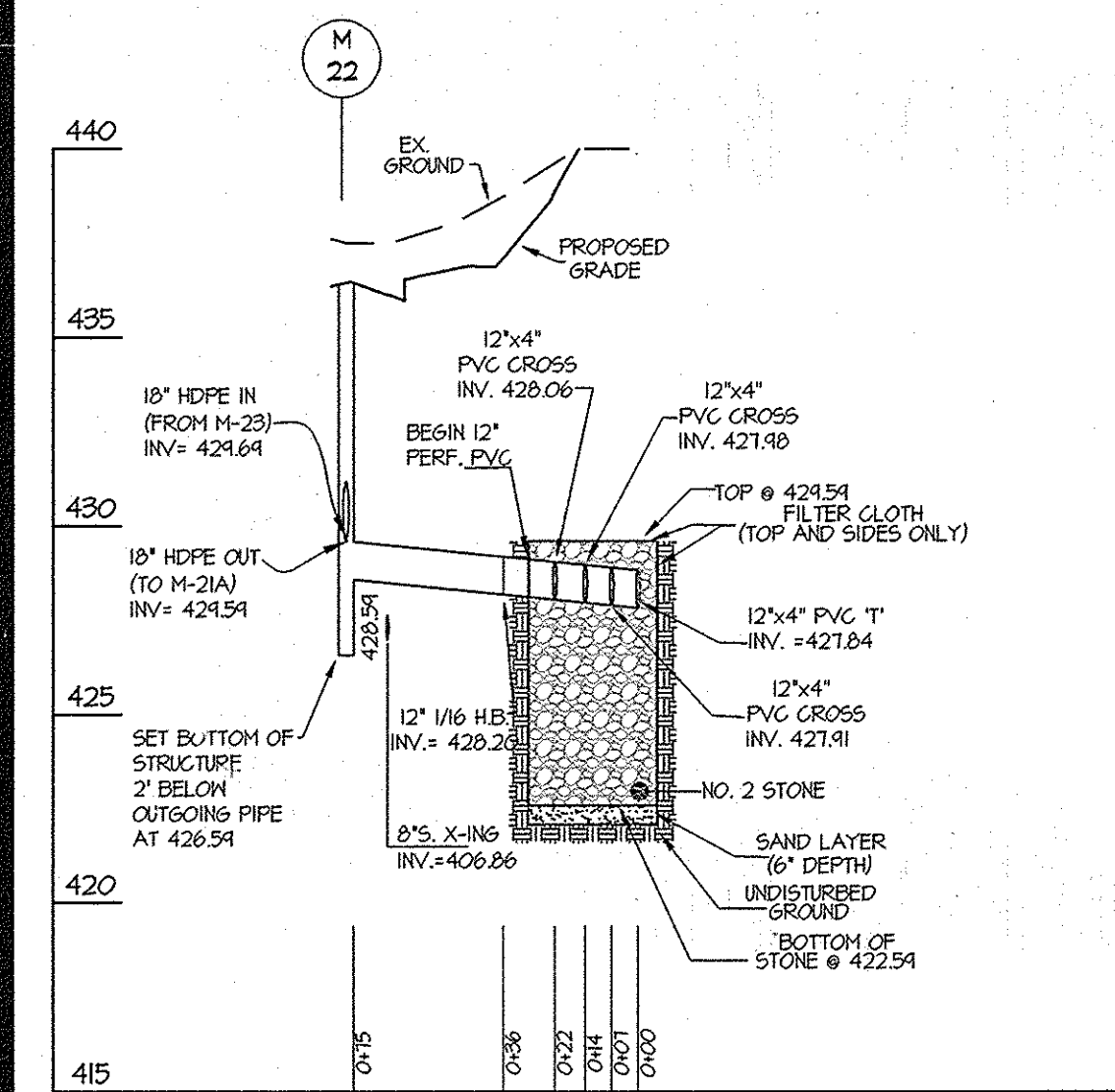
TEMPORARY STORMWATER MANAGEMENT
 $Q_0 = 14$ c.f.s. V_0 (OUTLET) = 11 f.p.s. d_0 (OUTLET) = 0.08'

FINAL STORMWATER MANAGEMENT
 $Q_0 = 295$ c.f.s. V_0 (OUTLET) = 24 f.p.s. d_0 (OUTLET) = 0.16'

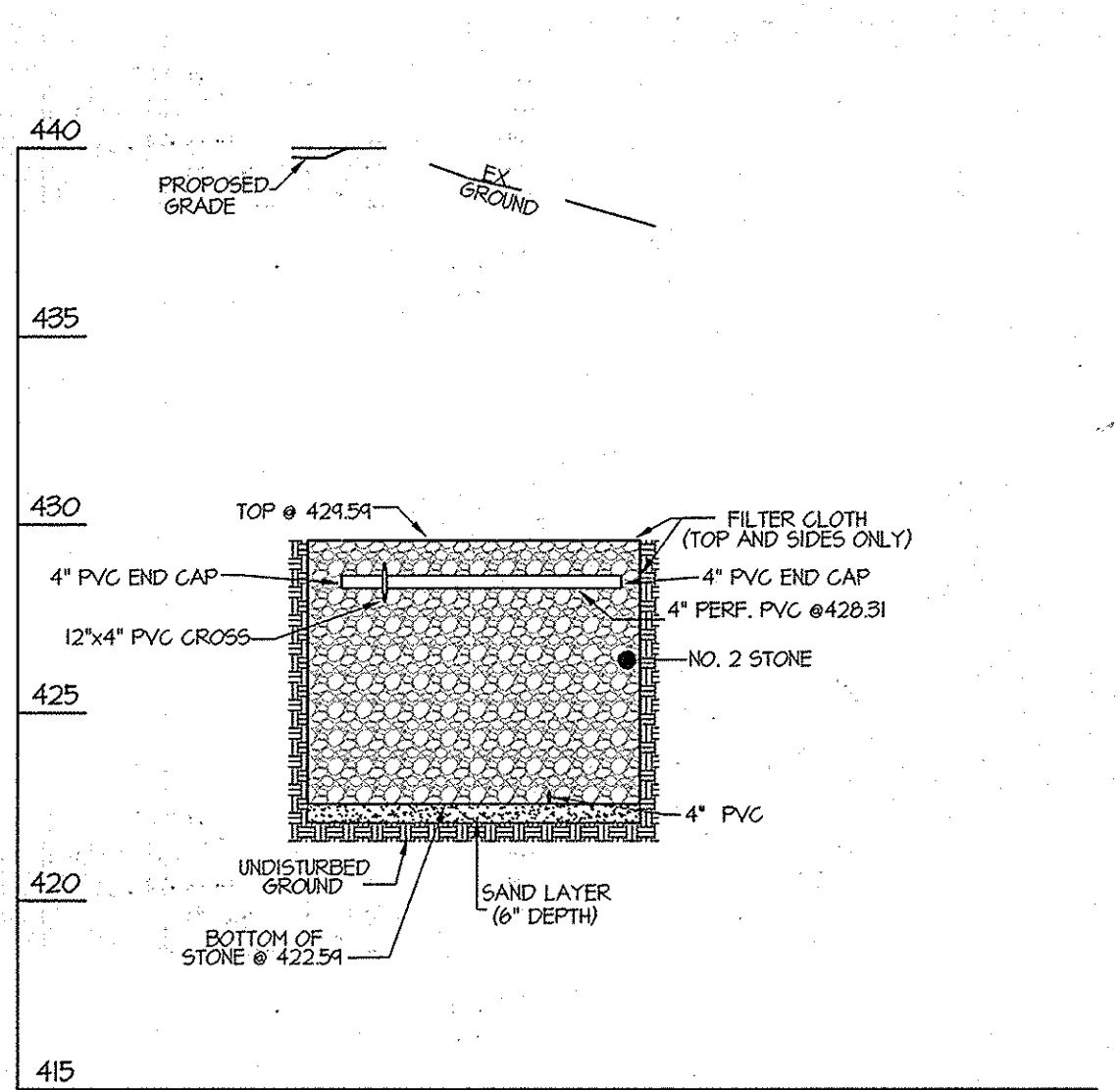
FINAL STORMWATER MANAGEMENT (CLOSED CONDITION)
 $Q_0 = 2421$ c.f.s. V_0 (OUTLET) = 198 f.p.s. d_0 (OUTLET) = 1.01'

THIS PROFILE IS FOR INFORMATIONAL PURPOSES ONLY. THIS FACILITY WAS CONSTRUCTED UNDER F 08-55 AND WILL REMAIN A SEDIMENT BASIN THROUGH OUT THE TIME THIS AREA SHOWN ON THESE PLANS IS DEVELOPED. THIS PROFILE IS INTENDED TO ASSIST THE SEDIMENT CONTROL INSPECTOR WITH DETERMINING WHEN THE CLEAN OUT ELEVATION HAS BEEN REACHED AND MAINTENANCE ON THE FACILITY IS REQUIRED.

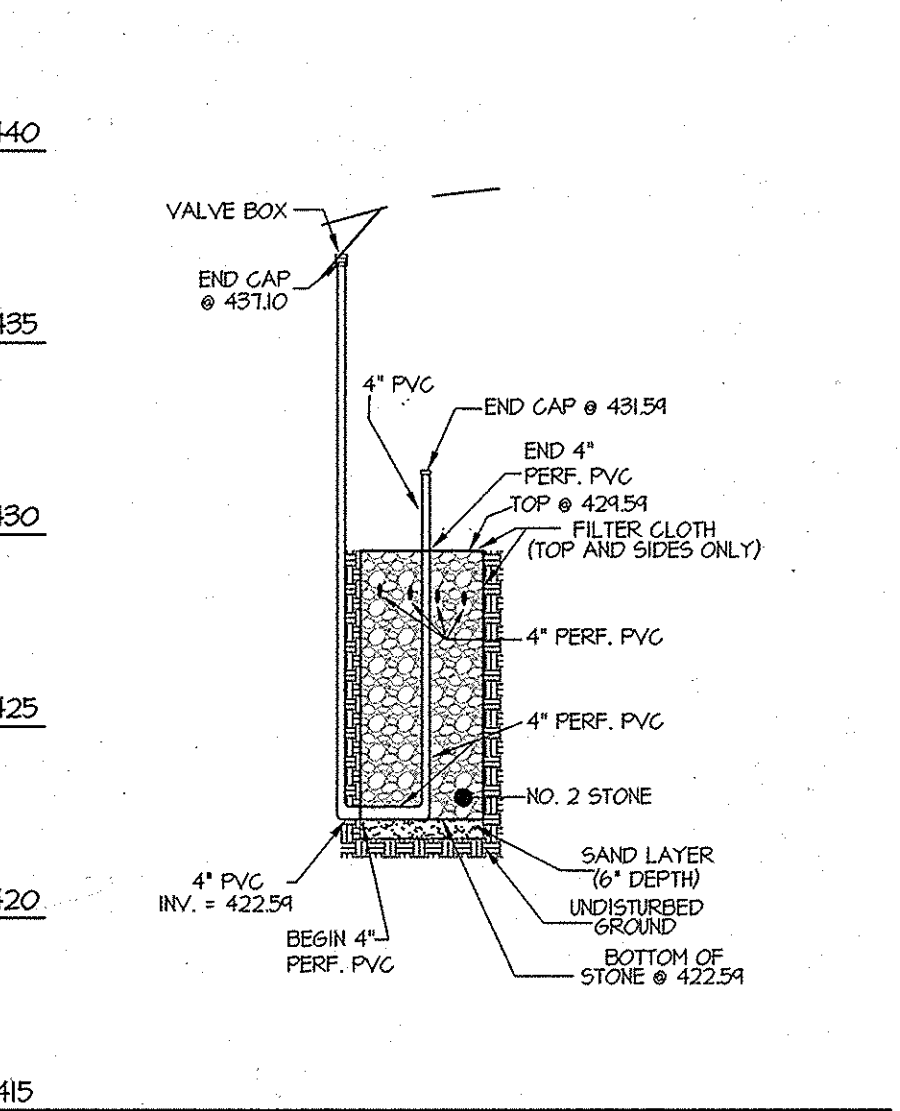
NOTE: HYDRAULIC GRADE LINE (HGL) SHOWN IS FOR THE TEMPORARY 10 YR. STORM EVENT



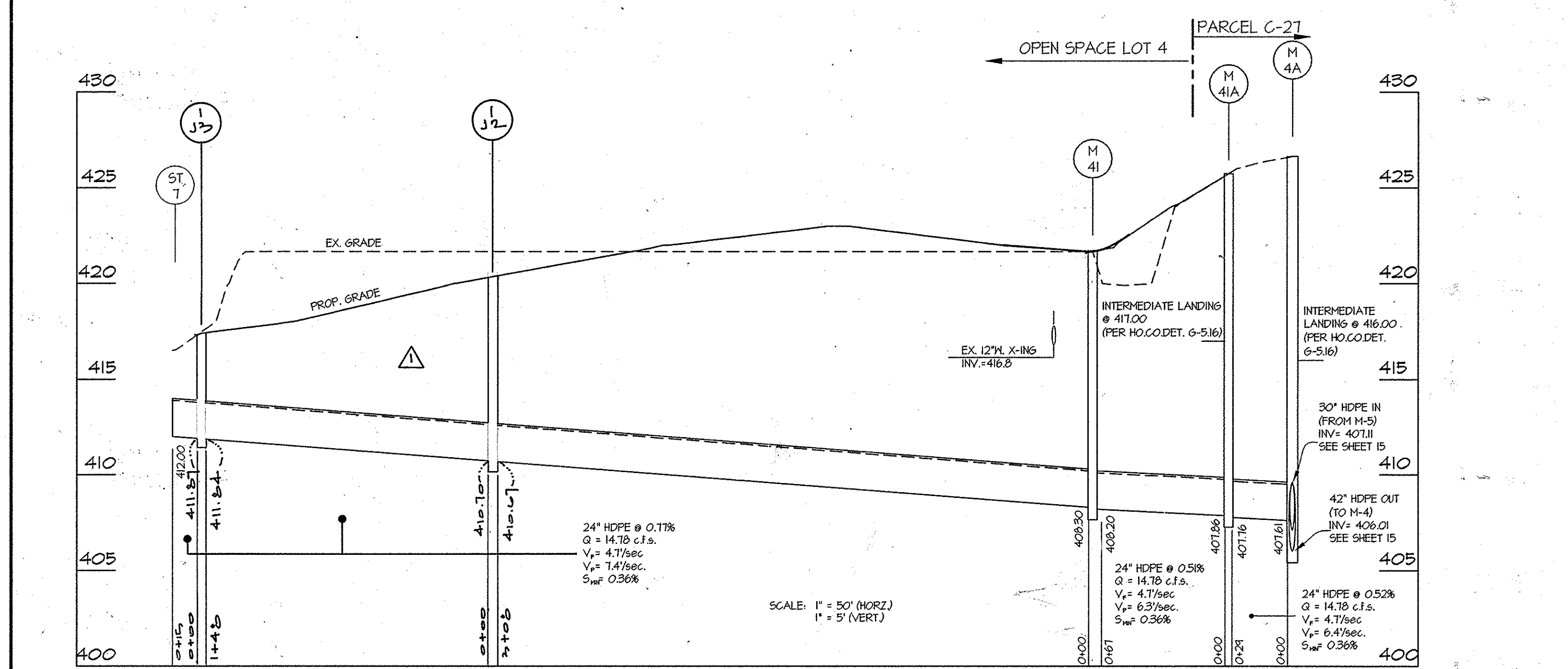
SECTION 'A'-A' SCALE: 1" = 50' (HORIZ) 1" = 5' (VERT)



SECTION 'B'-B' SCALE: 1" = 50' (HORIZ) 1" = 5' (VERT)



SECTION 'C'-C' SCALE: 1" = 50' (HORIZ) 1" = 5' (VERT)



STRUCTURE SCHEDULE

| NO | TYPE | WIDTH (INSIDE) | TOP ELEVATION | | INVERT | | STD. DETAIL | LOCATIONS | REMARKS |
|-------|------------------|----------------|---------------|----------|----------|----------|----------------|-----------------------|---------|
| | | | PROPOSED | AS-BUILT | PROPOSED | AS-BUILT | | | |
| ST-T | STORM DRAIN STUB | --- | --- | --- | --- | 412.00 | | N 541,567 E 1,338,796 | |
| M-41* | STANDARD MANHOLE | 4'-0" | 421.75 | --- | 408.30 | 408.20 | HO.CO. 504.22 | N 541,412 E 1,339,266 | |
| M-41A | STANDARD MANHOLE | 4'-0" | 425.75 | --- | 407.86 | 407.76 | HO.CO. 6-512 | N 541,402 E 1,339,252 | |
| M-4A | STANDARD MANHOLE | 6'-0" | 426.63 | --- | 407.61 | 406.01 | MSHA MD 384.05 | N 541,370 E 1,339,251 | |
| I-3 | '6" Inlet | 2'-0" | 416.87 | --- | 411.87 | 411.84 | HO.CO. 904.22 | N 541,506 E 1,338,289 | |
| I-2 | '6" Inlet | 2'-0" | 420.90 | --- | 410.70 | 410.67 | HO.CO. 504.22 | N 541,524 E 1,338,700 | |

* Contractor is to provide a grated top at this structure.

PIPE SCHEDULE

| SIZE & TYPE | QUANTITY (LF) | REMARKS |
|---------------|---------------|---------|
| 12" PVC | 48 | SCH. 40 |
| 12" PERF. PVC | 27 | SCH. 40 |
| 4" PVC | 18 | SCH. 40 |
| 4" PERF. PVC | 335 | SCH. 40 |
| 24" HDPE | 574 | |

*ALL PIPES TO BE PRIVATE.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways
 Date: 2-21-12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Chief, Division of Land Development
 Date: 3/09/12

Chief, Development Engineering Division
 Date: 3/7/12

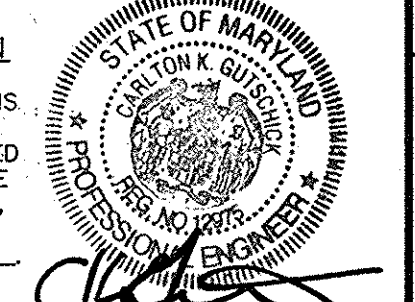
- OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED STORMWATER INFILTRATION TRENCHES
- THE MONITORING WELLS AND STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM EVENT.
 - WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS SHALL BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
 - A LOG BOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
 - WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN THE 72 HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
 - THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
 - ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-899-2524 FAX: 301-421-4188

| DATE | REVISION | BY | APP'R |
|------------|---|------|-------|
| 2012-10-17 | Add inlets to storm drain in 23. Let it flow ground over at | REV. | |
| 2014-08-01 | REFLECTED THE CONNECTION OF THE 18" HDPE FROM 1-100 TRYING INTO MH3 | HCJ | |

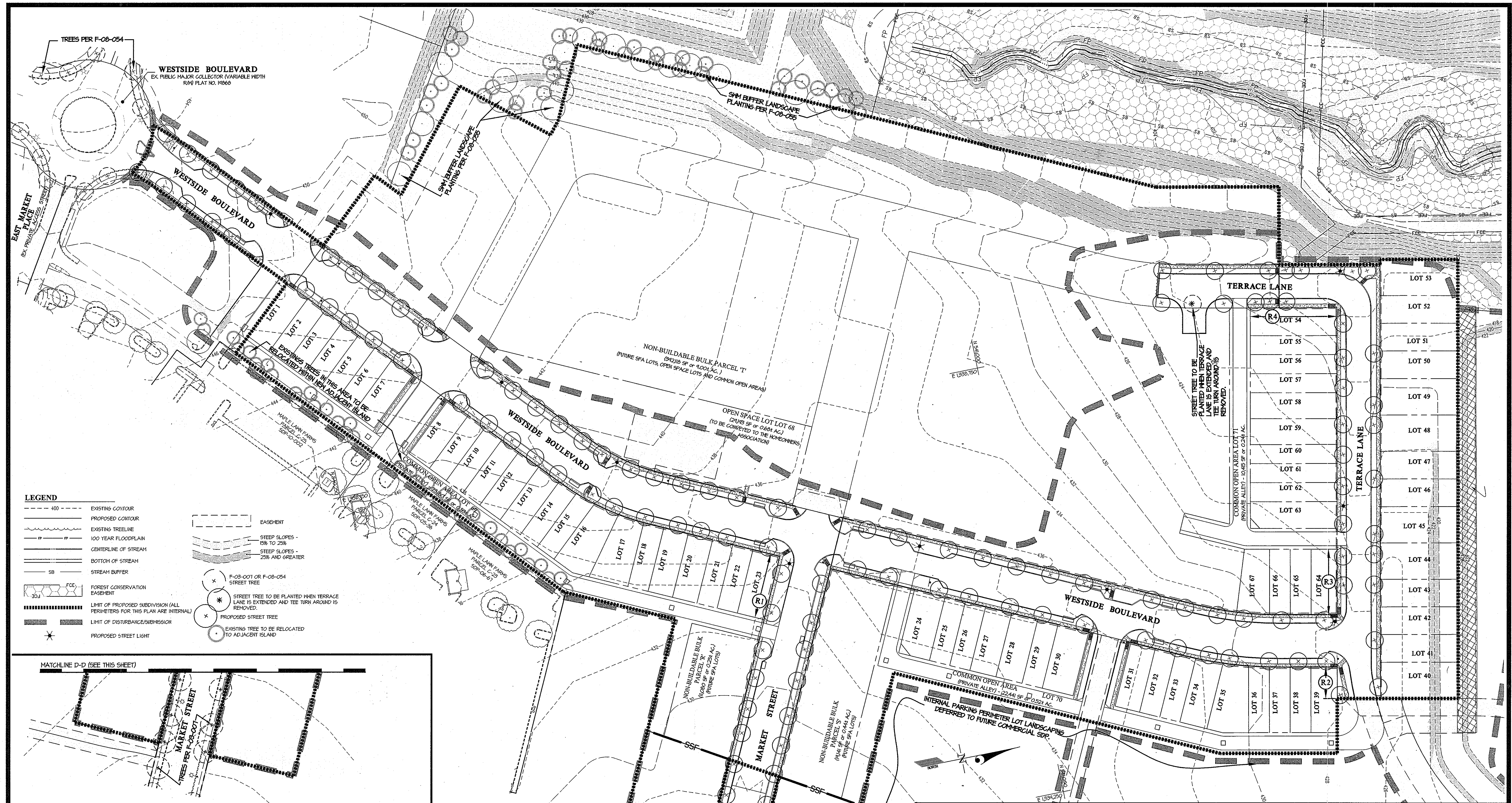
PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLE CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS 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. 129275
 EXPIRATION DATE: MAY 26, 2017



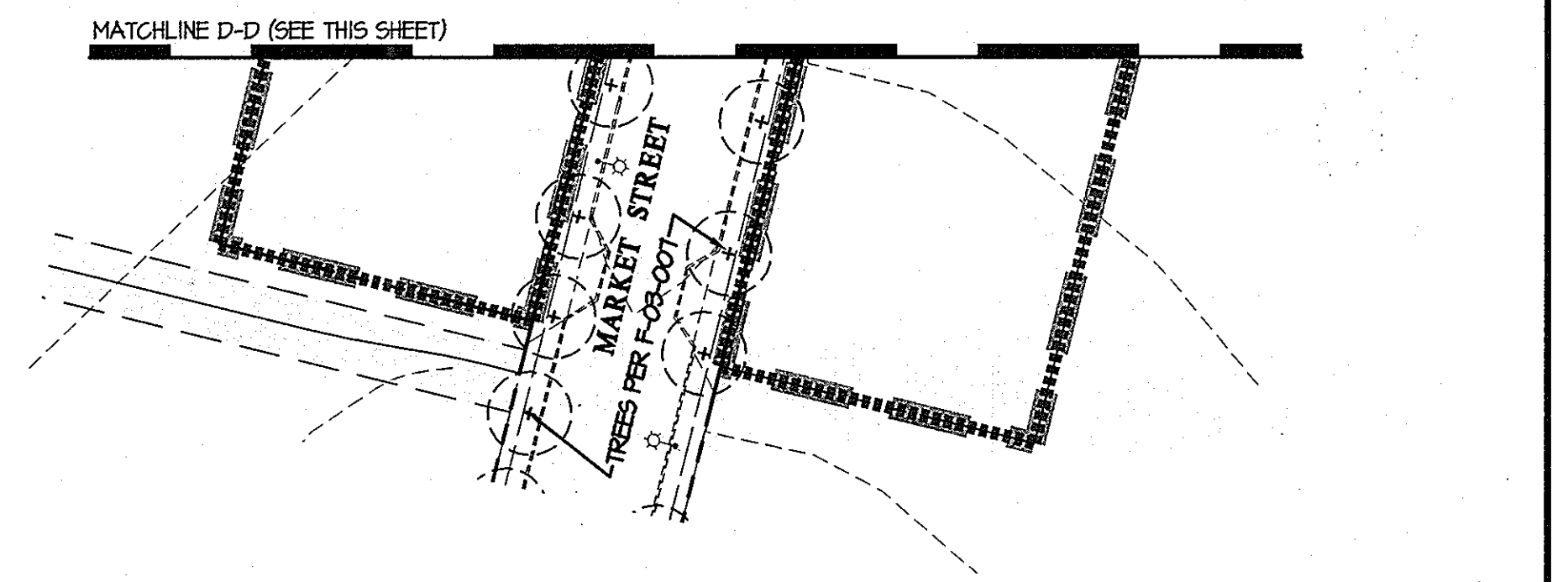
RECHARGE FACILITY DETAILS
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, C.O.A. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

| SCALE | ZONING | G. L. W. FILE No. |
|---------------|----------------|-------------------|
| AS SHOWN | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 20 OF 22 |



LEGEND

| | | | |
|-------|---|-----|---|
| --- | EXISTING CONTOUR | --- | EASEMENT |
| - - - | PROPOSED CONTOUR | --- | STEEP SLOPES - 15% TO 25% |
| --- | EXISTING TREELINE | --- | STEEP SLOPES - 25% AND GREATER |
| --- | 100 YEAR FLOODPLAIN | --- | F-09-001 OR F-09-054 STREET TREE |
| --- | CENTERLINE OF STREAM | --- | STREET TREE TO BE PLANTED WHEN TERRACE LANE IS EXTENDED AND THE TREE AROUND IS REMOVED. |
| --- | BOTTOM OF STREAM | --- | PROPOSED STREET TREE |
| --- | STREAM BUFFER | --- | EXISTING TREE TO BE RELOCATED TO ADJACENT ISLAND |
| --- | FOREST CONSERVATION EASEMENT | --- | |
| --- | LIMIT OF PROPOSED SUBDIVISION (ALL PERIMETERS FOR THIS PLAN ARE INTERNAL) | --- | |
| --- | LIMIT OF DISTURBANCE/SEMISSION | --- | |
| --- | PROPOSED STREET LIGHT | --- | |



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Walter M. Walsh 2-21-12
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Kate L. Linder 3/10/12
 Chief, Division of Land Development Date

Mark Bennett 2/2/12
 Chief, Development Engineering Division Date

DEVELOPER'S OWNER'S LANDSCAPE CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.24 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL, AND THE MLF LANDSCAPE DESIGN CRITERIA. I/WE FURTHER CERTIFY THAT UPON COMPLETION A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE-YEAR-GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Mark Bennett Vice Pres 2/2/12
 DEVELOPER'S OWNER'S NAME

RESIDENTIAL LANDSCAPE PERIMETER REQUIREMENTS SCHEDULE

| RESIDENTIAL LOT LINE | LENGTH OF SIDE PERIMETER | REQUIRED LANDSCAPING |
|----------------------|--------------------------|---|
| R1 | 76' | THE REQUIRED LOT LANDSCAPING PER THE MLF LANDSCAPE DESIGN CRITERIA (S-06-16, SHEET 13 OF 15) SHALL BE PROVIDED AT SDP STAGE |
| R2 | 37' | |
| R3 | 16' | |
| R4 | 100' | |

- LANDSCAPING NOTES:**
- STREET TREES WILL BE PROVIDED WITH THIS PLAN.
 - INTERNAL PLANTINGS WILL BE PROVIDED WITH THE SITE DEVELOPMENT PLANS AND THIS PLAN.
 - THE BUFFERS SHOWN IN THE SCHEDULES ARE IN ACCORDANCE WITH THE LANDSCAPE MANUAL, ACCORDING TO THE COMPREHENSIVE SKETCH PLAN CRITERIA. THE FOLLOWING ARE THE MINIMUM PLANTINGS TO BE PROVIDED:
 - ALONG A PERIMETER EDGE: SHADE TREE, 1:60 LINEAR FEET OF MEASURED PERIMETER EDGE, AND SMALL ORNAMENTAL DECIDUOUS TREE, 1:20 LINEAR FEET OF MEASURED PERIMETER EDGE AND EVERGREEN TREE, 1:20 LINEAR FEET OF MEASURED PERIMETER EDGE.
 - APPROPRIATE PLANTING SIZE SHALL BE LARGE ENOUGH TO MEET THE LANDSCAPE BUFFERING REQUIREMENT ALONG EXTERNAL PERIMETERS WHERE APPLICABLE.
 - UNLESS NOTED, ALL STEEP SLOPES AREAS WITHIN THE LIMITS OF SUBMISSION ARE LESS THAN 5,000 SF.
 - STREET TREES SHALL BE PLACED A MINIMUM OF 10' FROM ALL SIGNS AND INTERSECTIONS WHEN PLANTED BETWEEN THE SIDEWALK AND CURB, AND BE LOCATED WITH CONSIDERATION TO UNDERGROUND UTILITIES AND STRUCTURES. STREET TREES MAY NOT BE PLANTED WITHIN 5' OF A DRAIN INLET STRUCTURE, WITHIN 5' OF AN OPEN SPACE ACCESS STRIP, AND WITHIN 10' OF A DRIVEWAY.

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20886
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

| DATE | REVISION | BY | APPR. |
|------|----------|----|-------|
| | | | |

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REGISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
 410-484-8400

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS 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. 12975
 EXPIRATION DATE: MAY 28, 2012
 2-2-12

LANDSCAPE PLAN, NOTES and DETAILS
MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 2 LOTS 1 thru 67, O.S. LOT 68, C.O.A. LOTS 69 thru 71
 AND NON-BUILDABLE BULK PARCELS Q THRU T
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'J'
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

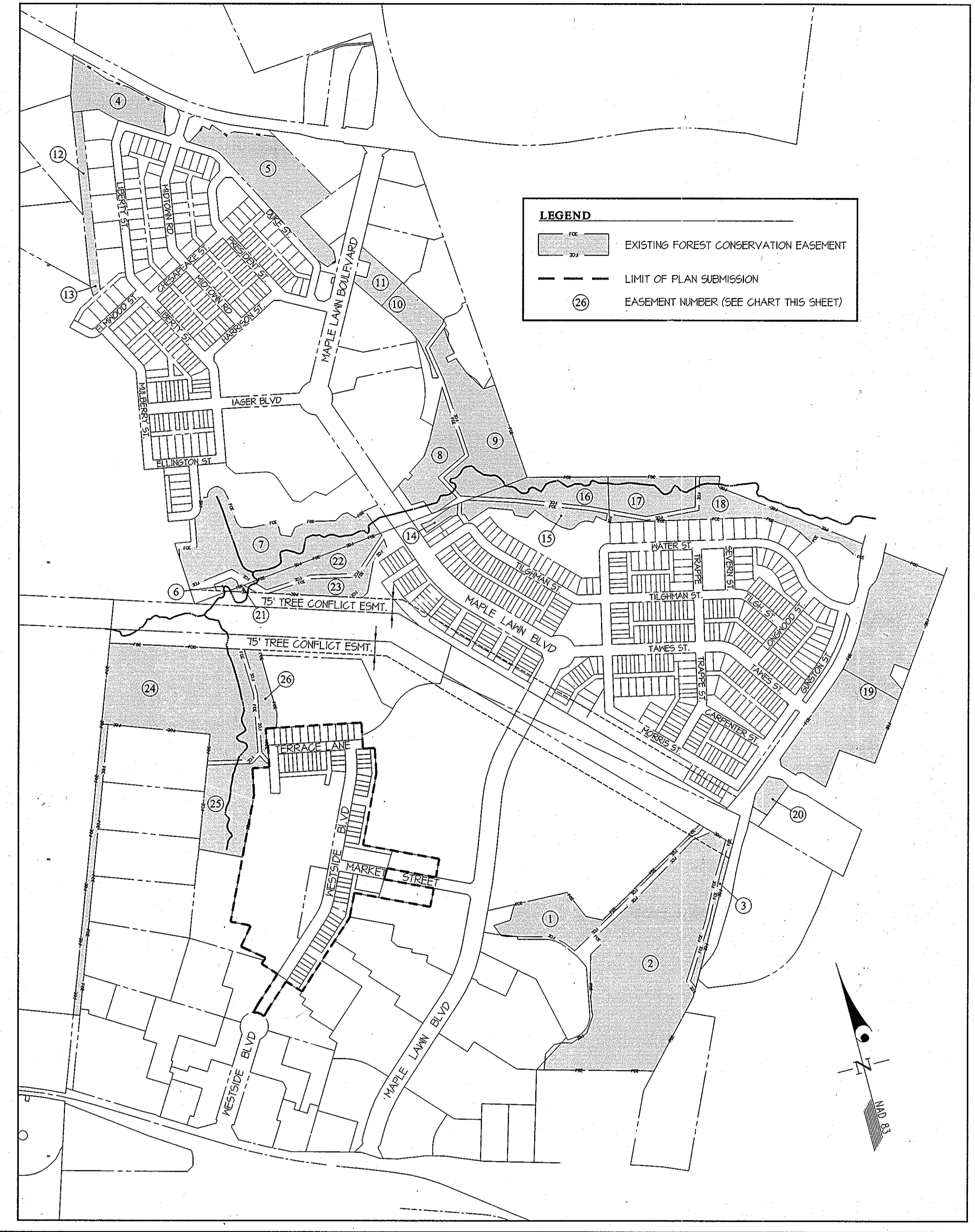
| SCALE | ZONING | G. L. W. FILE NO. |
|---------------|----------------|-------------------|
| 1"=50' | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 21 OF 22 |

| FOREST CONSERVATION TRACKING CHART | | | | | | | | | | | | | |
|---|----------------|-----------------------|----------------------|-----------------------|----------------|-----------------|------------------|------------------|----------------------------|---|---|------------------------------|------------------------------|
| RETENTION / AFFORESTATION / REFORESTATION SUMMARY TABLE FOR MAPLE LAWN PROJECT | | | | | | | | | | | | | |
| PHASE | NEW GROSS ACRE | FLOODPLAIN AREA (Ac.) | NET TRACT AREA (Ac.) | EX. FOREST AREA (Ac.) | FOREST CLEARED | FOREST RETAINED | EXCESS RETENTION | REF/AFF REQUIRED | CREDITED PLANTING PROVIDED | EXCESS FOREST CONSERVATION (Planting & Retention) | COMMENTS | | |
| 1 | 51.98 | 3.40 | 48.58 | 9.45 | 0.51 | 8.94 | 0.63 | 0.00 | 4.56 | 5.19 | F-03-07 (created FCE 1-3) | | |
| 2 | 75.20 | 2.38 | 72.82 | 0.00 | 0.00 | 0.00 | 0.00 | 10.92 | 6.97 | -3.95 | F-03-90 (created FCE 4&5) | | |
| | 5.70 | 0.00 | 5.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | -0.86 | SDP-03-140 (for mass grading) | | |
| 3 | 19.09 | 14.85 | 4.24 | 0.21 | 0.00 | 0.21 | 0.00 | 0.43 | 10.49 | 10.06 | F-04-79 (adjusted FCE 4) | | |
| | | | | | | | | | | | -0.16 | -0.14 | F-04-88 (adjusted FCE 5) |
| | | | | | | | | | | | -0.14 | -0.16 | F-04-92 (created FCE 6-13) |
| | | | | | | | | | | | -1.16 | -1.16 | F-05-82 (adjusted FCE 7 & 8) |
| 4A | 15.48 | 3.00 | 12.48 | 1.92 | 1.65 | 0.27 | 0.00 | 3.21 | 0.90 | F-05-81 (created FCE 14-16) | | | |
| 4B | 3.12 | 0.35 | 2.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | -0.12 | F-05-139 (adjusted FCE 11) | | | |
| 4C | 3.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | -0.45 | F-06-239 (decreased FCE 8-9 & increased FCE-10 by same, net = 0) | | |
| | | | | | | | | | | | F-05-112/113 (created ML Blvd RW to connect Hillside & Business Distr.) | | |
| 5A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | F-05-43 (re-subdivided Parcels from F-05-81) | | |
| 5B | 54.61 | 7.27 | 47.34 | 3.76 | 0.51 | 3.25 | 0.00 | 4.36 | 5.75 | 1.39 | F-06-161 (created FCE 17-20) | | |
| 6A | 10.30 | 3.84 | 6.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.70 | 0.73 | F-08-72 (created FCE 21-23) | | |
| 6B | 69.85 | 1.22 | 68.64 | 4.59 | 2.10 | 2.49 | 0.00 | 0.00 | 9.91 | 11.22 | 1.31 | F-08-54 (created FCE 24-26) | |
| | | | | | | | | | | | | SDP-07-43 (for mass grading) | |
| Forest conservation Planting to be used to fulfill obligation for Rogers Property (F-10-64) | | | | | | | | | | | | | |
| 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | F-10-64 | | |
| 8A | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | F-10-61 (re-subdivided area from F-06-161) | | |
| 8B | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | F-11-27 (re-subdivided area from F-06-161) | | |
| 8B | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | F-12-21 (re-subdivided area from F-08-54) | | |
| Running Total | 333.40 | 36.31 | 297.09 | 19.93 | 4.77 | 15.16 | 0.63 | 35.29 | 40.00 | 3.27 | | | |

- ① INCLUDES FUTURE PHASE AREAS OF MAPLE LAWN FARMS. WHEN THOSE AREAS ARE RECORDED IN FUTURE PHASES, THE FOREST CONSERVATION REQUIREMENTS WILL ALREADY HAVE BEEN MET.
- ② 14.04 ACRES = 5480 ACRES (PHASE 3 SITE TOTAL) - 40.71 ACRES (AREA OF FOREST CON. IN PHASE 3 ALREADY PROVIDED BY F-03-90 (35.01 AC) AND SDP-03-140 (5.70 AC))
- ③ 3.12 ACRES = 4.38 ACRES (PHASE 4 SITE TOTAL) - 1.26 ACRES (AREA OF FOREST CON. IN PHASE 4 ALREADY PROVIDED BY F-03-90 AND F-04-42)
- ④ TOTAL AREA FOR PHASE 5B (54.61 AC.) = AREA PLATTED (33.06 AC.) + AREA BEING MASS GRADED OUTSIDE PLATTED AREA (21.55 AC.)
- ⑤ TOTAL AREA FOR PHASE 6B (10.30 AC.) = AREA PLATTED (15.05 AC.) - AREA ALREADY COVERED UNDER F-06-161 (4.75 AC.)
- ⑥ TOTAL AREA FOR PHASE 6B (64.26 AC.) = AREA OF P. 116 PRIOR TO PLATTING (94.21 AC.) - AREA OF SDP-07-43 WITHIN LIMITS OF THIS SUBMISSION (29.94 AC.) - AREA COVERED BY THIS PLAN (0.56 AC.)

| EXISTING FOREST CONSERVATION EASEMENT AREAS | | | | | | | | | |
|---|----------|--|--|--|---|------------------------------|-------------------------------|-------|-------|
| District | Phase | File No. | Easement | Forest Retention on Net Tract (Credit) | Forest Retention in Floodplain (Non-Credit) | Forest Planting on Net Tract | Forest Planting in Floodplain | TOTAL | |
| Business | 1 | F-03-07 | 1 | 0.88 | 0.21 | 1.27 | 0.03 | 2.49 | |
| | | | 2 | 7.90 | 2.02 | 2.66 | 0.60 | 12.88 | |
| | | | 3 | 0.36 | 0.00 | 0.00 | 0.00 | 0.41 | |
| | 2 | F-03-90 | 4 | 0.00 | 0.00 | 2.40 | 0.00 | 2.40 | |
| | | | Reduction to FCE-4 (by F-04-79, PN 18602) | | | | -0.16 | -0.16 | -0.16 |
| | | | 5 | 0.00 | 0.00 | 2.16 | 2.41 | 4.57 | |
| | | | Reduction to FCE-5 (by F-04-88, PN 18604) | | | | -0.14 | -0.14 | -0.14 |
| | | | 6 | 0.00 | 0.14 | 0.00 | 0.00 | 0.14 | |
| | | | 7 | 0.05 | 2.47 | 0.60 | 2.75 | 6.07 | |
| | | | Reduction to FCE-7 (by F-05-82, PN 17632) | | | | -0.25 | -0.25 | -0.25 |
| | | | 8 | 0.15 | 1.35 | 1.03 | 0.59 | 3.12 | |
| | | | Reduction to FCE-8 (by F-05-82, PN 17631) | | | | -0.59 | -0.32 | -0.91 |
| | | | Reduction to FCE-8 (by F-06-239, PN 18795) | | | | -0.01 | -0.01 | -0.01 |
| | | | 9 | 0.01 | 2.49 | 0.67 | 1.58 | 4.75 | |
| | | | Reduction to FCE-9 (by F-06-239, PN 18795) | | | | -0.20 | -0.20 | -0.20 |
| Midtown and Hillside | 3 | F-04-92 | 10 | 0.00 | 0.00 | 0.48 | 0.68 | 1.08 | |
| | | | Addition to FCE-10 (F-06-239, PN 18795) | | | | 0.08 | 0.13 | 0.21 |
| | | | 11 | 0.00 | 0.00 | 0.22 | 0.71 | 0.93 | |
| | | | Reduction to FCE-11 (F-05-139, PN 17639) | | | | -0.12 | -0.12 | -0.12 |
| | | | 12 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | |
| | | | 13 | 0.00 | 0.00 | 0.08 | 0.00 | 0.08 | |
| 4 | F-05-81 | 14 | 0.00 | 0.00 | 0.11 | 0.10 | 0.21 | | |
| | | 15 | 0.27 | 0.36 | 0.29 | 1.16 | 1.88 | | |
| | | Reduction to FCE-15 (F-06-162, PN 18661) | | | | -0.01 | -0.01 | -0.01 | |
| | | 16 | 0.00 | 1.74 | 0.01 | 0.05 | 1.80 | | |
| | | 17 | 0.01 | 1.97 | 0.02 | 0.02 | 2.02 | | |
| 5 | F-06-161 | 18 | 0.00 | 0.46 | 1.03 | 0.77 | 2.26 | | |
| | | 19 | 3.23 | 3.02 | 3.07 | 0.34 | 9.66 | | |
| | | 20 | 0.00 | 0.00 | 0.15 | 0.35 | 0.50 | | |
| | | 21 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | | |
| 6A | F-08-72 | 22 | 0.00 | 0.83 | 0.00 | 0.62 | 1.45 | | |
| | | 23 | 0.00 | 0.00 | 0.07 | 0.99 | 1.06 | | |
| | | 24 | 2.48 | 0.02 | 7.05 | 0.44 | 10.00 | | |
| Westside | 6B | F-08-54 | 25 | 0.00 | 0.00 | 2.48 | 0.37 | 2.83 | |
| | | | 26 | 0.00 | 0.00 | 0.50 | 0.00 | 0.50 | |
| Hillside | 7 | F-10-161 | 27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | 29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Westside | 8B | F-12-21 | 30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| RUNNING TOTAL | | | | 15.15 | 17.08 | 26.58 | 13.42 | 72.23 | |

NOTE:
 THE FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL FOR PHASE 30 (THIS SUBMISSION) OF THIS PROJECT HAS PROVIDED UNDER F-03-90. NO FOREST CONSERVATION SURETY IS NECESSARY WITH THIS SUBMISSION.



EXISTING FOREST CONSERVATION EASEMENTS SCALE: 1" = 400'

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 2-21-12
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 [Signature] 3/09/12
 Chief, Division of Land Development Date
 [Signature] 3/7/12
 Chief, Development Engineering Division Date

GLWGUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 FAX: 301-421-4186

PREPARED FOR:
 GREENBAUM DEVELOPMENT, INC
 SUITE 300 WOODHOLME CENTER
 1829 REISTERSTOWN ROAD
 BALTIMORE, MD 21208
 ATTN: MARK BENNETT
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PROFESSIONAL CERTIFICATION
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 EXPIRATION DATE: MAY 28, 2012
 [Signature] 2-2-12

FOREST CONSERVATION PLAN
 MAPLE LAWN FARMS
 WESTSIDE DISTRICT - AREA 2
 WESTSIDE DISTRICT - AREA 1 REVISIONS TO OPEN SPACE LOT 4, PARCEL 'B-2' AND NON-BUILDABLE PARCEL 'L'
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 5

| | | |
|---------------|----------------|-------------------|
| SCALE | ZONING | G. L. W. FILE No. |
| AS SHOWN | MXD-3 | 10001 |
| DATE | TAX MAP - GRID | SHEET |
| JANUARY, 2012 | 41-21/46-3 | 22 OF 22 |