

VICINITY MAP
SCALE: 1" = 2000'

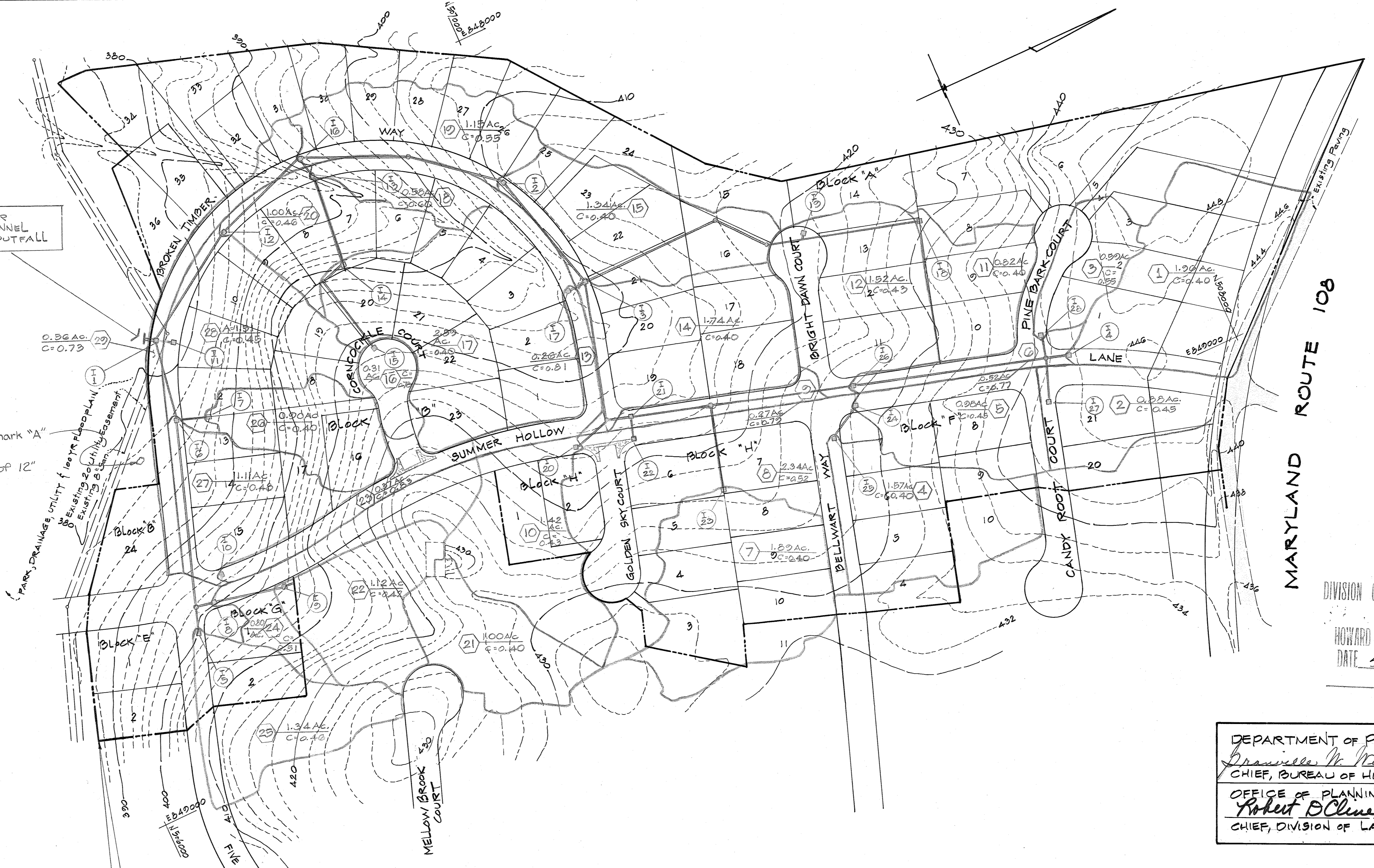
SEE SHEET 12 FOR
DETAILS OF CHANNEL
RELOCATION AT OUTFALL

W.R.#A Bench mark "A"
Elev. 383.82
Spike in base of 12"
Twin Locust

W.R.#A BENCH MARK "B"
ELEV. 401.05
SPIKE IN BASE OF 10" WILD CHERRY
@ TOP OF STREAM BANK 60' W. OF
HEADWALL OF GO'D
UNDER PHELPS LUCK DRIVE

PHELPS LUCK 60'-D- DRIVE

VILLAGE OF LONG REACH
SECT. 1 AREA 1



MARYLAND ROUTE 108

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE SEPT 29, 1976
RSC

DEPARTMENT OF PUBLIC WORKS
Francis W. Wehland 10/29/76
CHIEF, BUREAU OF HIGHWAYS DATE
OFFICE OF PLANNING AND ZONING
Robert O'Clune 11-3-76
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

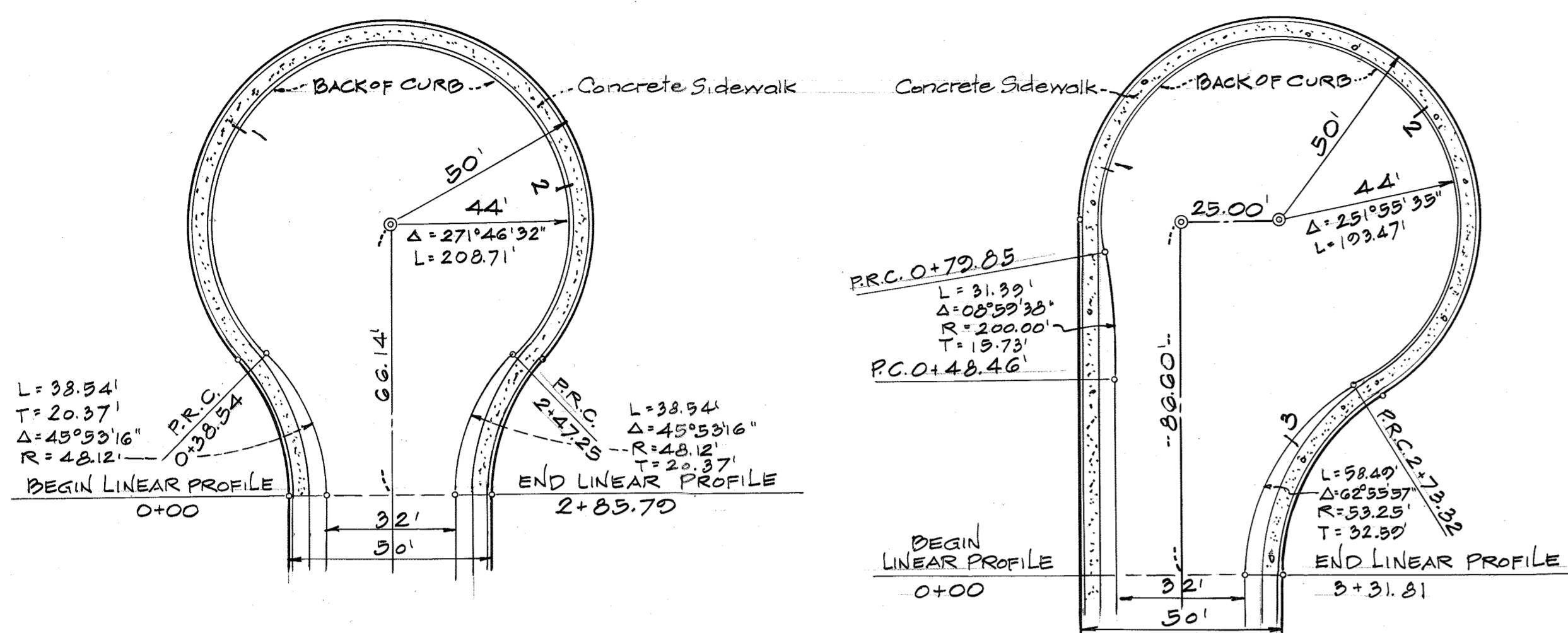
GLENMONT
SECTION 1 AREA 1
LOCATION PLAN &
DRAINAGE AREA MAP
SCALE: 1" = 100'

INDEX OF SHEETS

| SHEET No | DESCRIPTION |
|----------|---|
| 1 | LOCATION PLAN & DRAINAGE AREA MAP |
| 2 | TYPICAL CROSS SECTIONS & DETAILS |
| 3 | PLAN & PROFILE: SUMMER HOLLOW LANE |
| 4 | PLAN & PROFILE: SUMMER HOLLOW LANE, CORNCOCKLE CT. |
| 5 | PLAN & PROFILE: BROKEN TIMBER WAY, GOLDEN SKY COURT |
| 6 | PLAN & PROFILE: BROKEN TIMBER WAY, FIVE FINGERS WAY |
| 7 | PLAN & PROFILE: PINE BARK COURT, CANDY ROOT COURT |
| 8 | PLAN & PROFILE: BRIGHT DAWN CT., BELLWART WAY |
| 9 | PLAN & PROFILE: MARYLAND ROUTE 108 |
| 10 | STORM DRAIN PROFILES |
| 11 | STORM DRAIN PROFILES |
| 12 | FLOOD PLAIN PLAN |
| 13 | CHANNEL PROFILE & SECTIONS |
| 14 | SEDIMENT CONTROL PLAN & DETAILS |

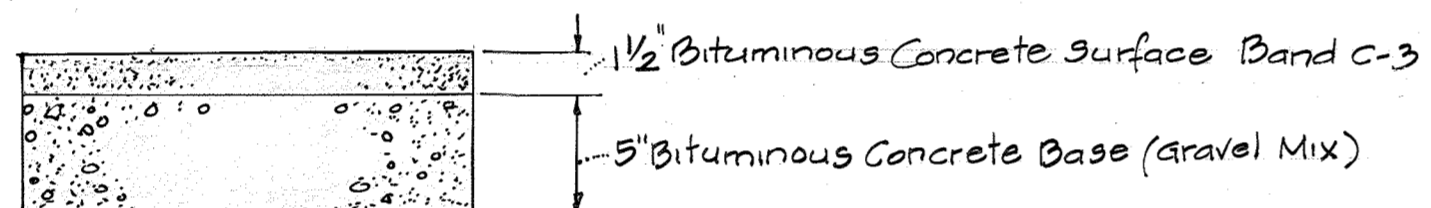
| | | |
|---|----------|----------------------|
| REV. DATE | REV. NO. | REVISION DESCRIPTION |
| 6 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | | |
| OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 10 E. FAYETTE STREET BALTIMORE, MARYLAND 21202 | | |
| PROJECT AREA GLENMONT SECTION 1 AREA 1 | | |
| PROJECT TITLE LOCATION PLAN & DRAINAGE AREA MAP | | |
| Scale: As Shown | | DATE |
| ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. TOWSON, MD. 21204 | | |
| Paul Lee Registered Engineer No. 40447 | | |

NOTE: All dimensions are to back of curb



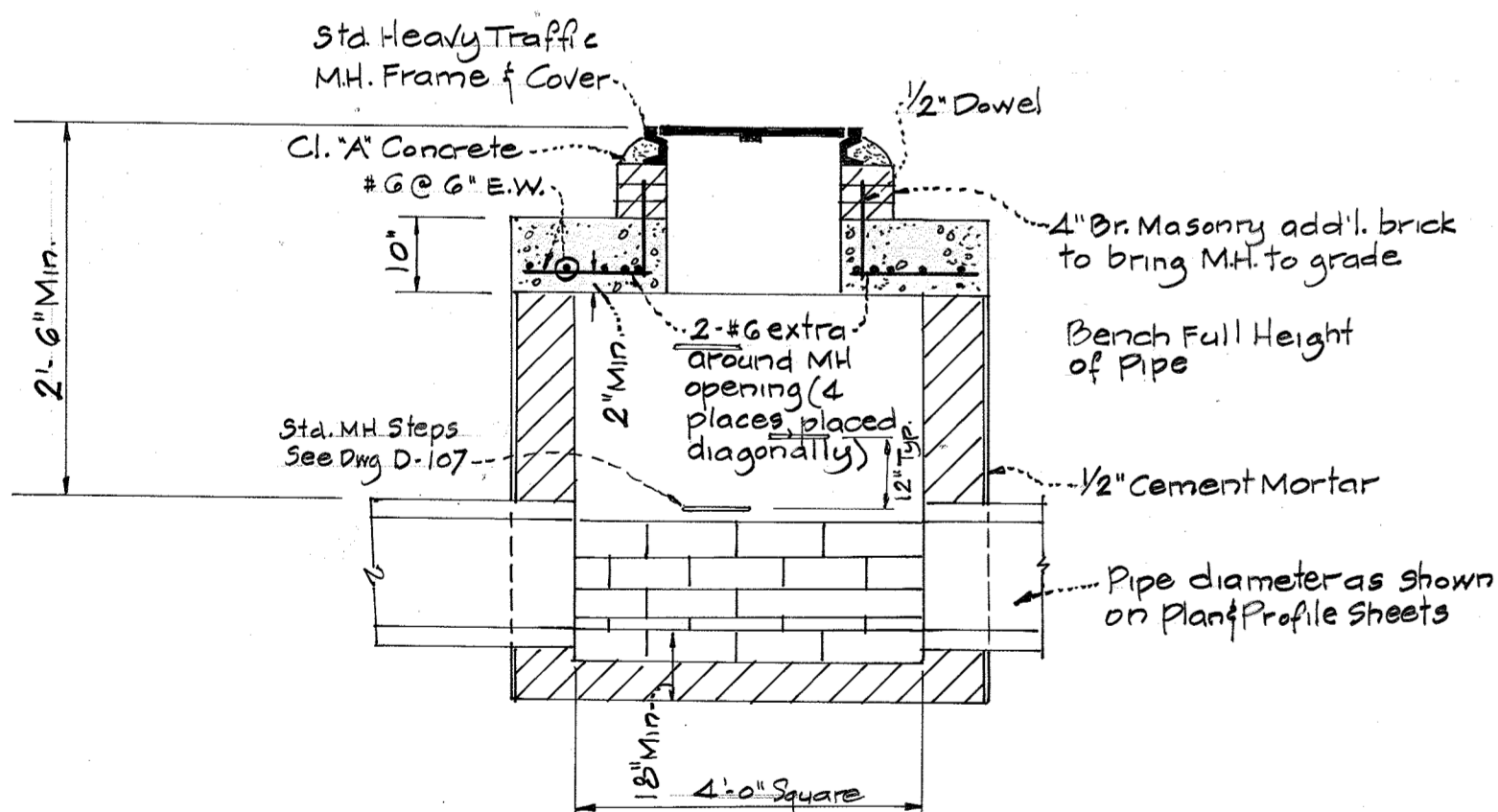
CUL DE SAC DETAILS
 Scale: 1" = 30'

- Clearing & Grading Article C-1
- Subgrade Article C-2
- Base Course Article C-33
- Surface Course Article C-31

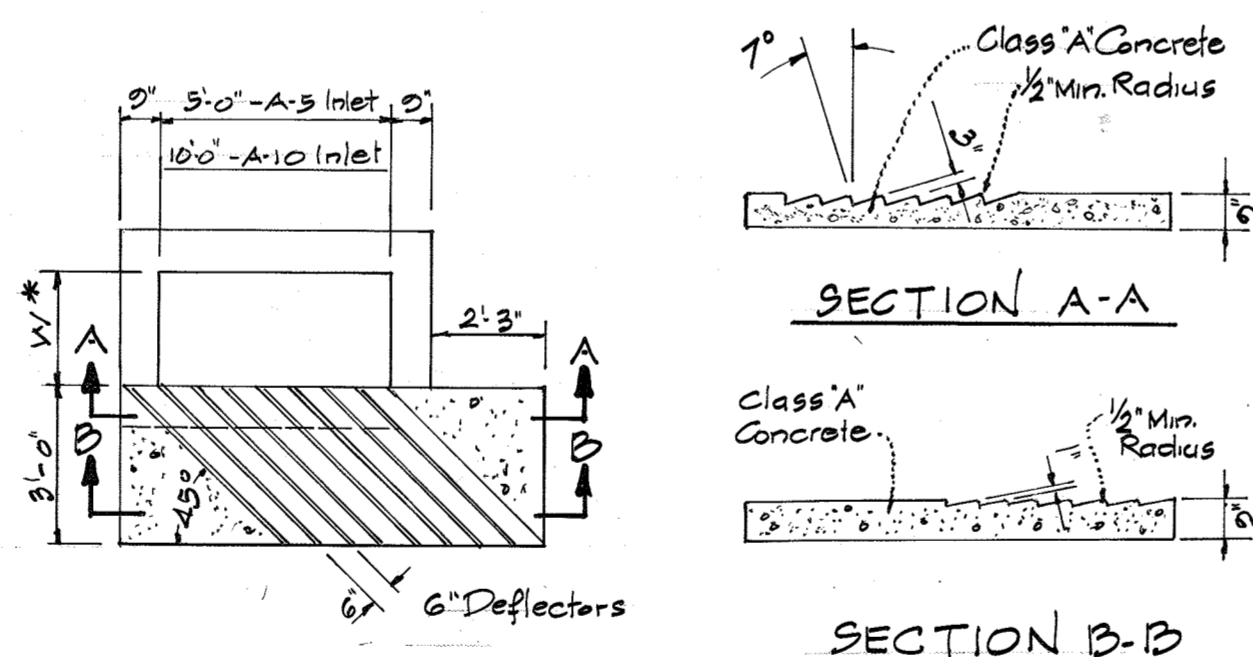


To be constructed in accordance with the Howard County Road Construction Code & Specifications.

PAVING DETAIL
 Not to Scale



SHALLOW MANHOLE DETAIL
 Not to Scale

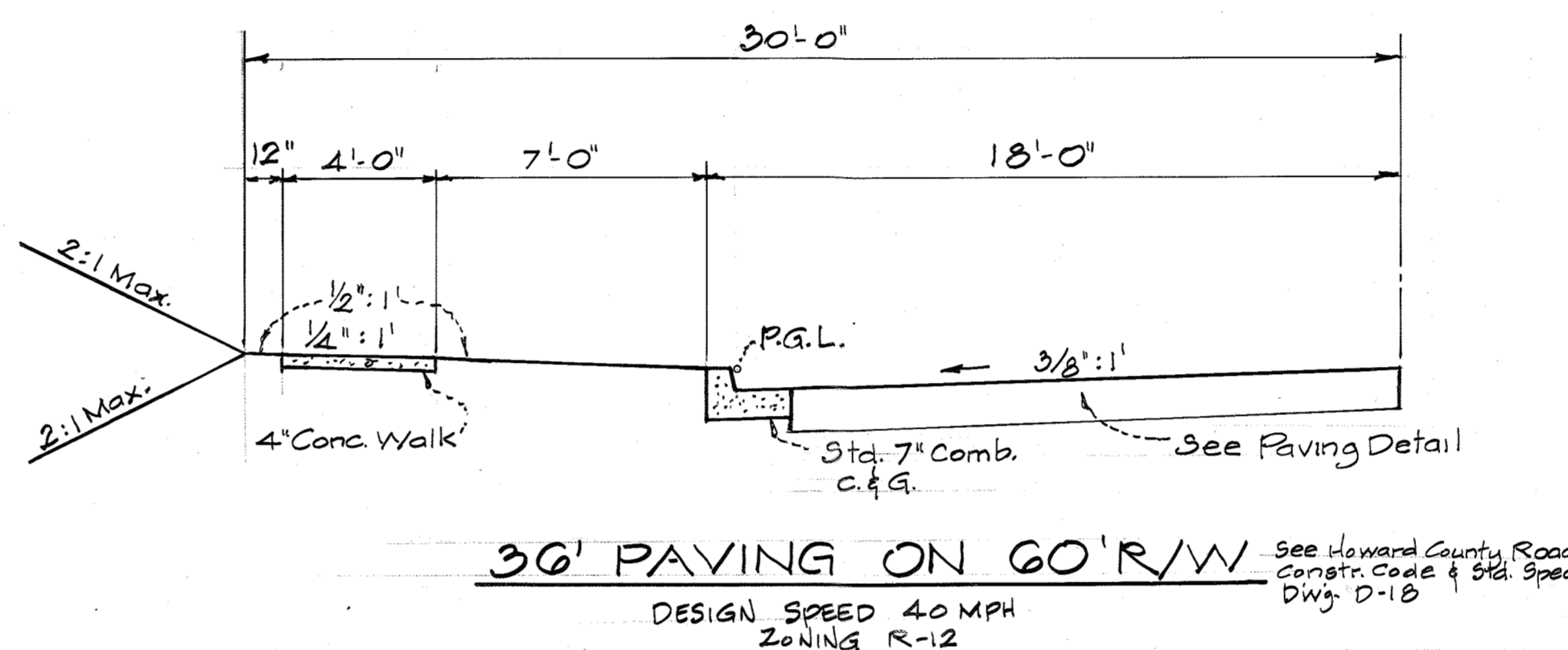
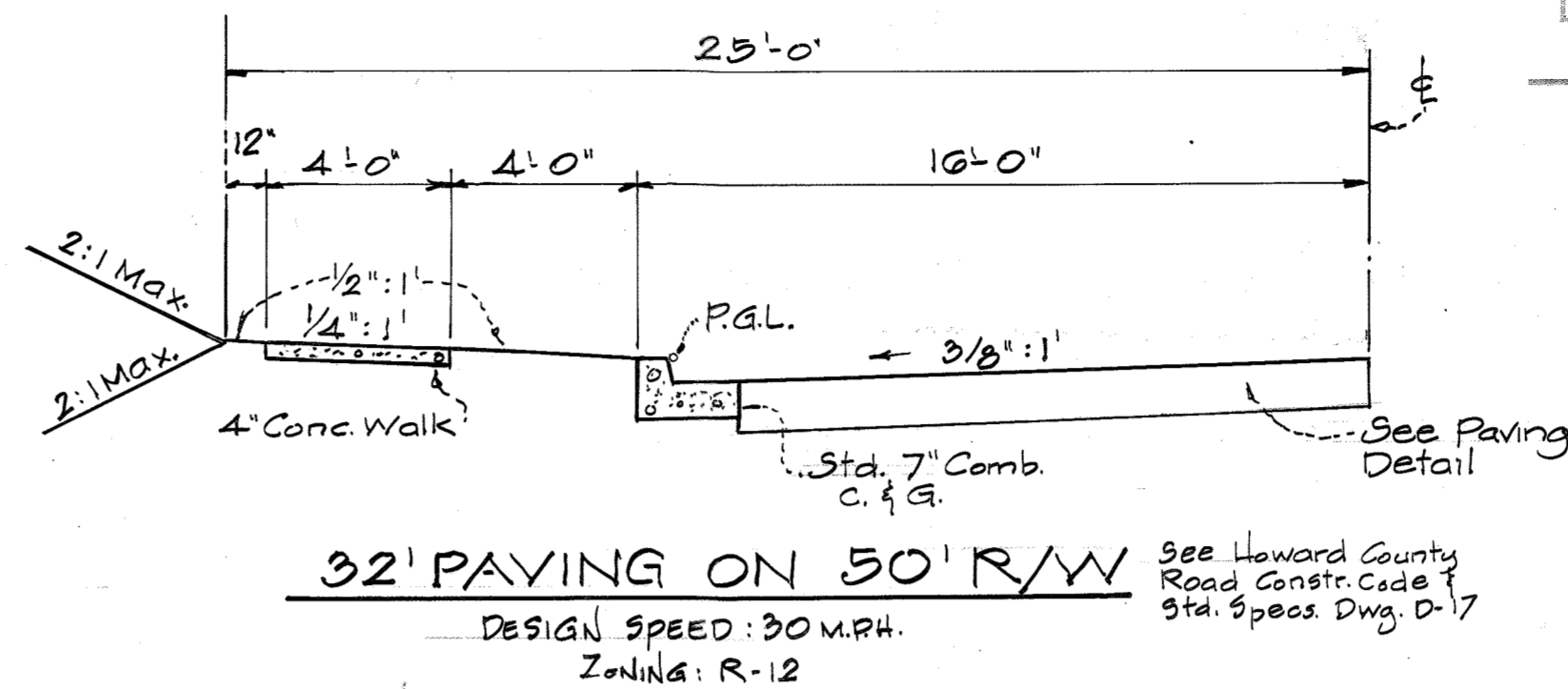


INLET DEFLECTOR DETAIL
 No Scale

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE SEPT 29, 1976
RRC

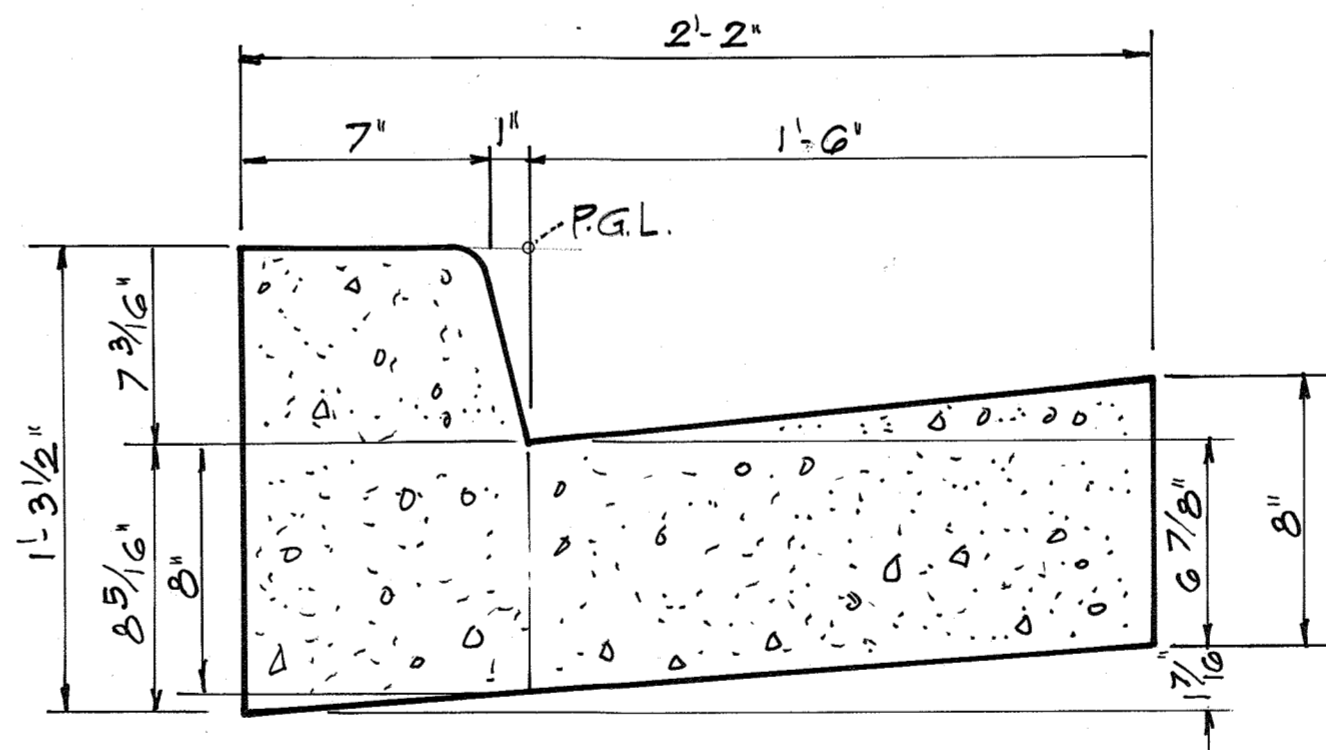
DEPARTMENT OF PUBLIC WORKS
Granville M. McLeod 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
Robert D. Olive 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev. Date | Rev. No. | Revision Description |
|-----------|----------|---|
| | | 6 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND |
| | | OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 19 E. PATETTE STREET, BALTIMORE MARYLAND 21202 |
| | | PROJECT AREA GLENMONT SECTION 1 AREA 1 |
| | | PROJECT TITLE TYPICAL CROSS SECTIONS & DETAILS |
| | | Scale: As Shown DATE |
| | | ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. TOWSON, MD 21204 |
| | | <i>Paul Lee</i> Registered Engineer No. 4047 |



TYPICAL ROADWAY SECTIONS
 Scale: 1/4" = 1'-0"

Horizontal & Vertical Controls are based on the Maryland State Grid System
 All Construction shall be completed in accordance with the Howard County Road Construction Code & Standard Specifications.



STANDARD 7" COMBINATION CURB & GUTTER
 Not to Scale

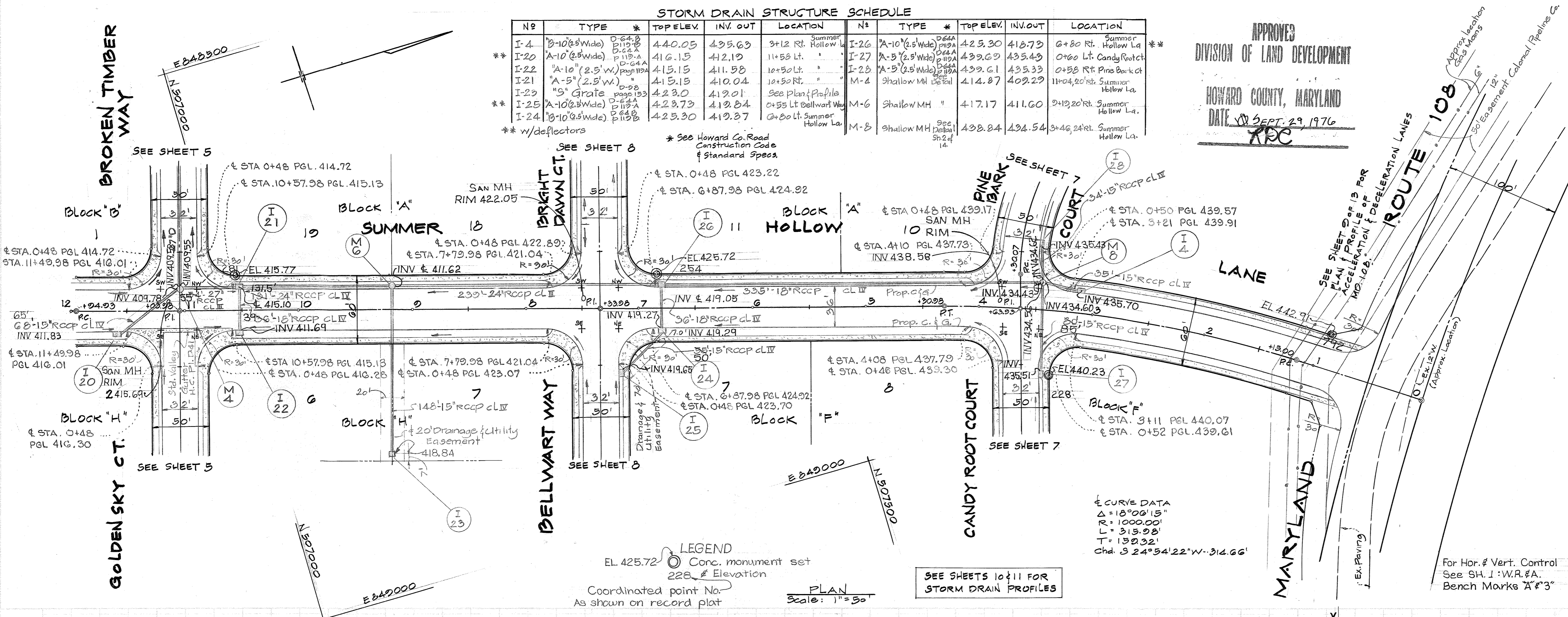
DEPARTMENT OF PUBLIC WORKS
James W. Welstead 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
Robert D. Oline 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

STORM DRAIN STRUCTURE SCHEDULE

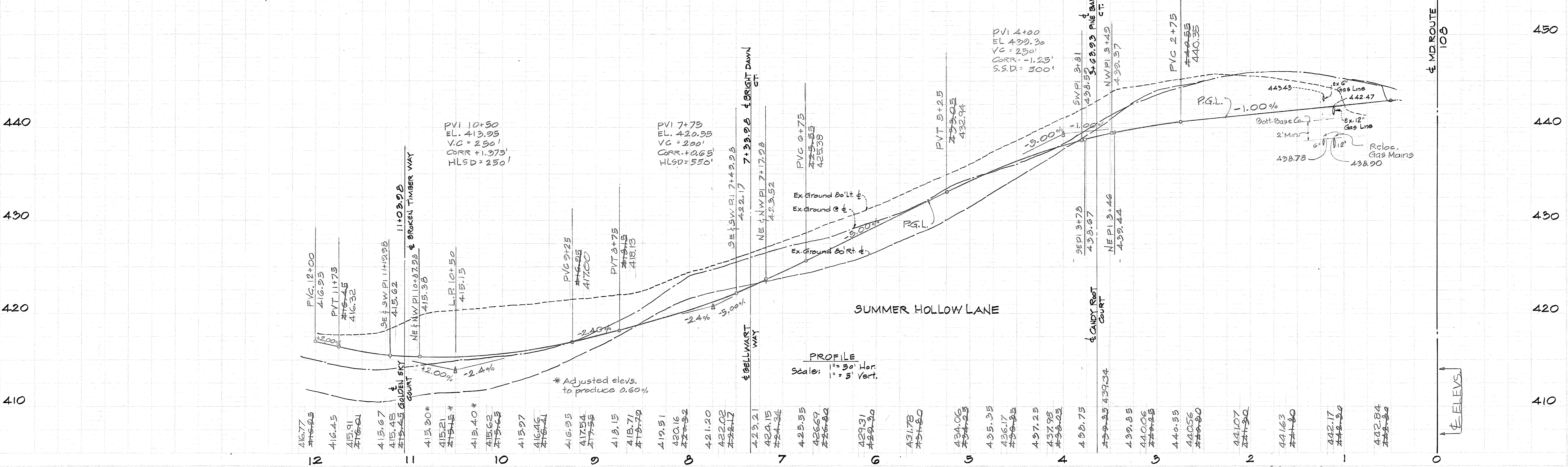
| No | TYPE | TOP ELEV. | INV. OUT | LOCATION | No | TYPE | TOP ELEV. | INV. OUT | LOCATION |
|------|--------------------|-----------|----------|----------------------------|------|--------------------|-----------|----------|----------------------------------|
| I-4 | "B-10" (2.5' Wide) | 440.05 | 435.63 | 9+12 Rt. Summer Hollow La. | I-26 | "A-10" (2.5' Wide) | 425.30 | 416.73 | 6+80 Rt. Summer Hollow La. |
| I-20 | "A-10" (2.5' Wide) | 416.15 | 412.19 | 11+58 Lt. | I-27 | "A-5" (2.5' Wide) | 439.09 | 435.43 | 0+60 Lt. Candy Root Ct. |
| I-22 | "A-10" (2.5' Wide) | 415.15 | 411.58 | 10+50 Lt. | I-28 | "A-5" (2.5' Wide) | 439.61 | 435.33 | 0+58 Rt. Pine Bark Ct. |
| I-21 | "A-5" (2.5' Wide) | 415.15 | 410.04 | 10+50 Lt. | M-4 | Shallow MH | 414.87 | 409.29 | 11+04, 20' Rt. Summer Hollow La. |
| I-23 | "G" Grate | 423.0 | 419.01 | See Plan & Profile | M-6 | Shallow MH | 417.17 | 411.60 | 9+13, 20' Rt. Summer Hollow La. |
| I-25 | "A-10" (2.5' Wide) | 423.73 | 419.84 | 0+55 Lt. Bellwary Way | M-8 | Shallow MH | 438.84 | 434.54 | 3+46, 24' Rt. Summer Hollow La. |
| I-24 | "B-10" (2.5' Wide) | 423.30 | 419.37 | 0+80 Lt. Summer Hollow La. | | | | | |

** w/deflectors
 * See Howard Co. Road Construction Code & Standard Specs.

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE: SEPT. 29 1976
RPC



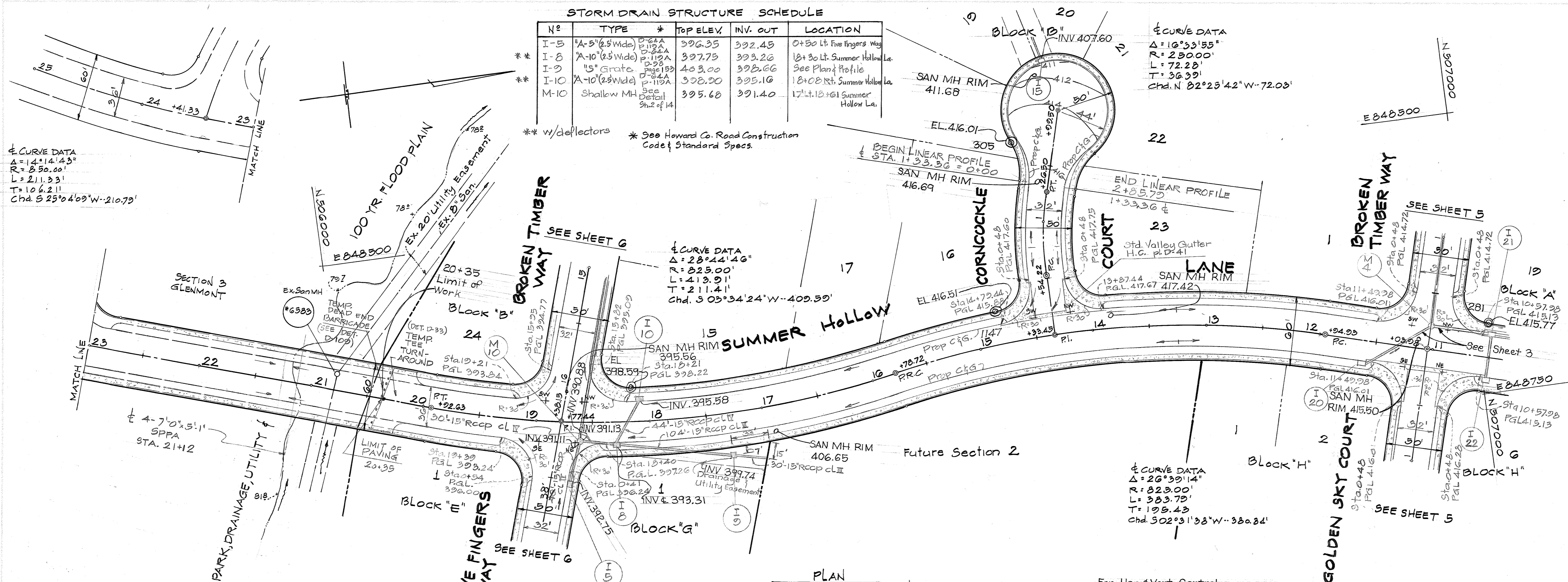
| 9-27-76 | 1 | Accel & Decel. Lane width @ Md 108 changed to 12' |
|--|----------|---|
| Rev. Date | Rev. No. | Revision Description |
| 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | | |
| OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 19 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202 | | |
| PROJECT AREA GLENMONT SECTION 1 AREA 1 | | |
| PROJECT TITLE PLAN & PROFILE SUMMER HOLLOW LANE STA 0+ TO 12+ | | |
| SCALE: AS SHOWN | DATE | |
| ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. TOWSON, MD 21204 | | |
| <i>Paul Lee</i> Registered Engineer No. 2047 | | |



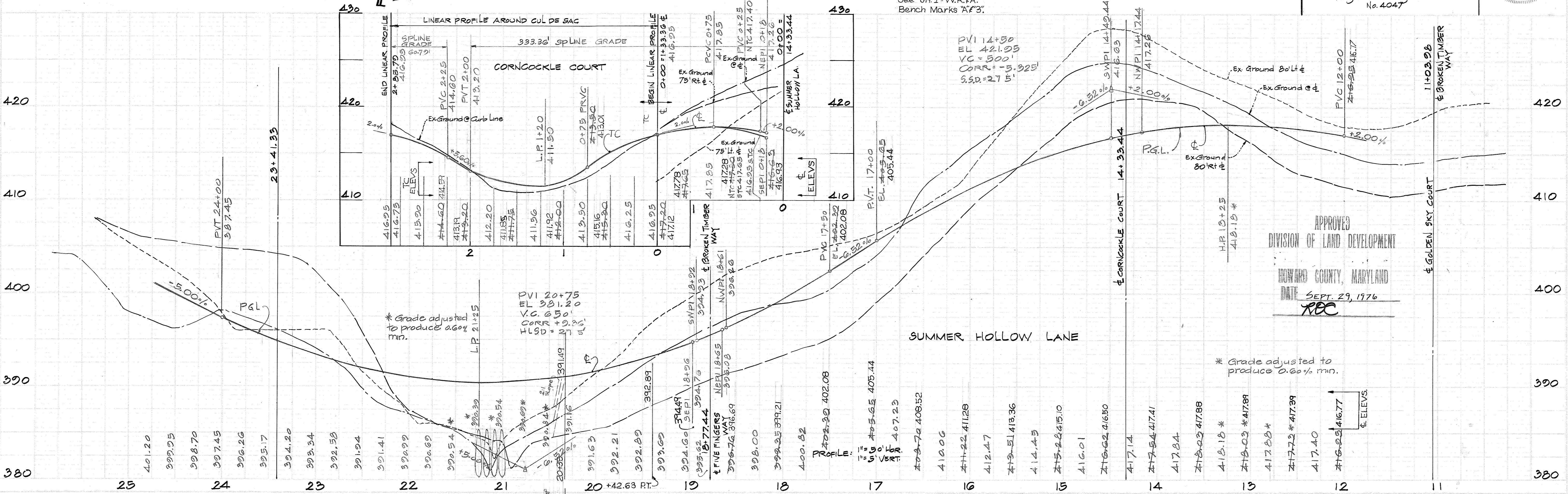
STORM DRAIN STRUCTURE SCHEDULE

| # | TYPE | # | TOP ELEV. | INV. OUT | LOCATION |
|------|-------------------|------------------------|-----------|----------|-------------------------------|
| I-5 | A-5' (2.5' Wide) | 112A | 396.35 | 392.45 | 0+50 Lt. Five Fingers Way |
| I-8 | A-10' (2.5' Wide) | 112A | 397.75 | 393.26 | 18+30 Lt. Summer Hollow La. |
| I-9 | 15" Grate | 112A | 403.00 | 392.66 | See Plan & Profile |
| I-10 | A-10' (2.5' Wide) | 112A | 398.20 | 395.16 | 18+08 Rt. Summer Hollow La. |
| M-10 | Shallow MH | See Detail Sheet of 14 | 395.60 | 391.40 | 17+11.2 +61 Summer Hollow La. |

** w/deflectors * See Howard Co. Road Construction Code of Standard Specs.



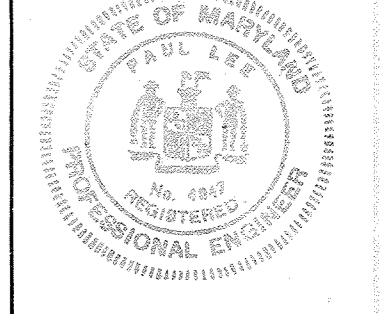
PLAN
 SCALE: 1" = 30'



For Hor. & Vert. Control
 See 5H.1-V.R.F.A.
 Bench Marks "A" & "B"

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE SEPT. 29, 1976
REC

* Grade adjusted to produce 0.60% min.



Paul Lee
 Paul Lee
 Registered Engineer
 No. 4047

0th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 OWNER AND DEVELOPER
 COLONIAL CORNER SERVICE CORPORATION
 BALTIMORE FEDERAL BUILDING
 19 E. FAYETTE STREET, BALTIMORE MARYLAND 21202
 PROJECT AREA
GLENMONT
 SECTION 1 AREA 1
 PROJECT TITLE
PLAN & PROFILE
SUMMER HOLLOW LA. CORNCOCKLE COURT
 STA. 12+ TO 25+ STA. 0+ TO 1+
 SCALE: AS SHOWN DATE
 ENGINEER
 MCA ENGINEERING CORPORATION
 1020 CROMWELL BRIDGE RD.
 TOWSON, MD. 21204

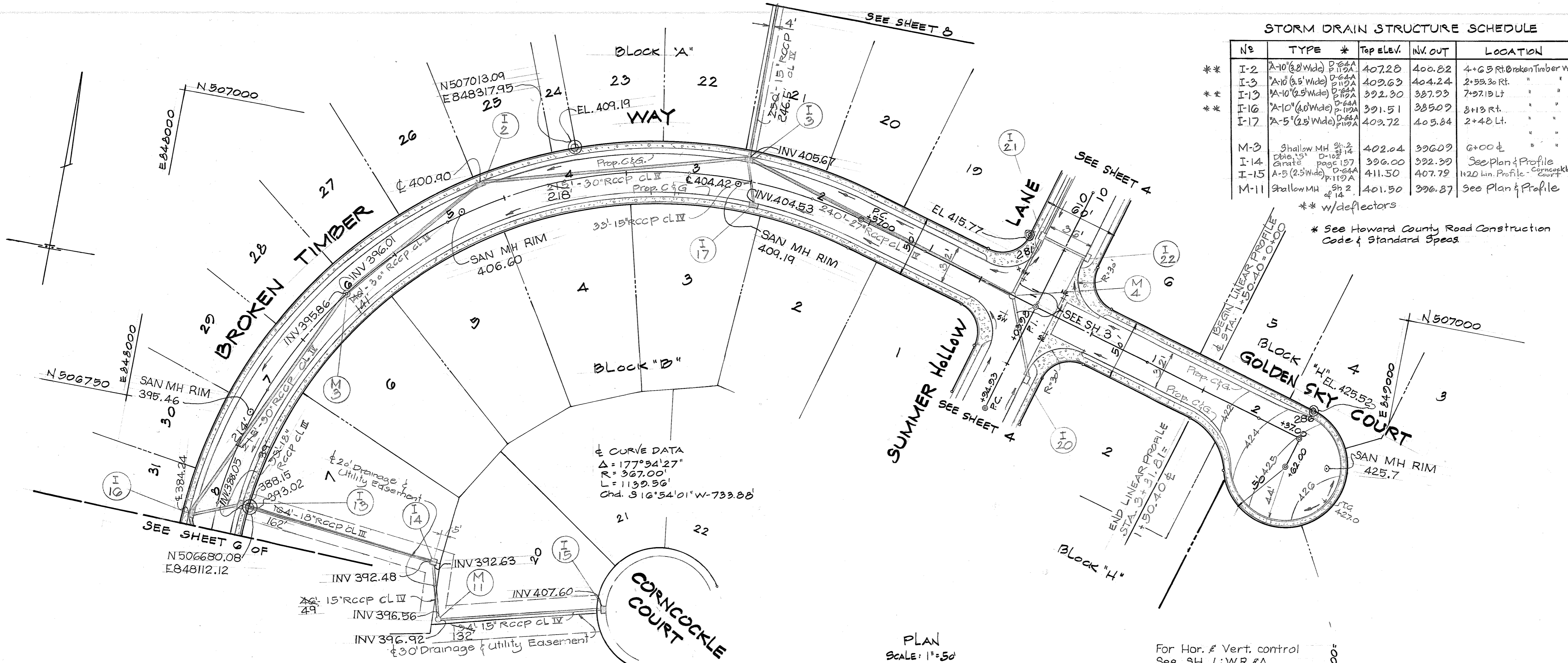
| REV | DATE | REV. NO. | REVISION DESCRIPTION |
|-----|------|----------|----------------------|
| | | | |

PLAN
 REVISIONS
 DATE
 DRAWN BY
 CHECKED BY
 IN CHARGE

PROFILE
 DATE
 DRAWN BY
 CHECKED BY
 IN CHARGE

PLAN
 NOTE BOOK
 ALTERNATE DRAWING
 NO. OF SHEETS

PROFILE
 NOTE BOOK
 ALTERNATE DRAWING
 NO. OF SHEETS



STORM DRAIN STRUCTURE SCHEDULE

| No | TYPE | # | Top Elev. | INV. OUT | LOCATION |
|------|-----------------|---|-----------|----------|----------------------------|
| I-2 | A-10 (8' Wide) | 1 | 407.28 | 400.82 | 4+65 Rt. Broken Timber Way |
| I-3 | A-10 (8' Wide) | 1 | 409.63 | 404.24 | 2+33.30 Rt. |
| I-13 | A-10 (8' Wide) | 1 | 392.30 | 387.93 | 7+97.19 Lt. |
| I-16 | A-10 (8' Wide) | 1 | 391.51 | 385.02 | 8+13 Rt. |
| I-17 | A-5 (6' Wide) | 1 | 402.72 | 403.84 | 2+48 Lt. |
| M-3 | Shallow MH | 2 | 402.04 | 396.09 | 6+00 ± |
| I-14 | Grate | 1 | 396.00 | 392.30 | See Plan & Profile |
| I-15 | A-5 (2.5' Wide) | 1 | 411.50 | 407.79 | 11+20 Lin. Profile |
| M-11 | Shallow MH | 2 | 401.50 | 396.27 | See Plan & Profile |

** w/deflectors
 * See Howard County Road Construction Code & Standard Specs

DEPARTMENT OF PUBLIC WORKS
Granville W. Weisland 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
Robert D. Clum 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev. Date | Rev. No. | Revision Description |
|-----------|----------|----------------------|
| | | |

6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER:
 COLONIAL CORNER SERVICE CORPORATION
 BALTIMORE FEDERAL BUILDING
 12 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202

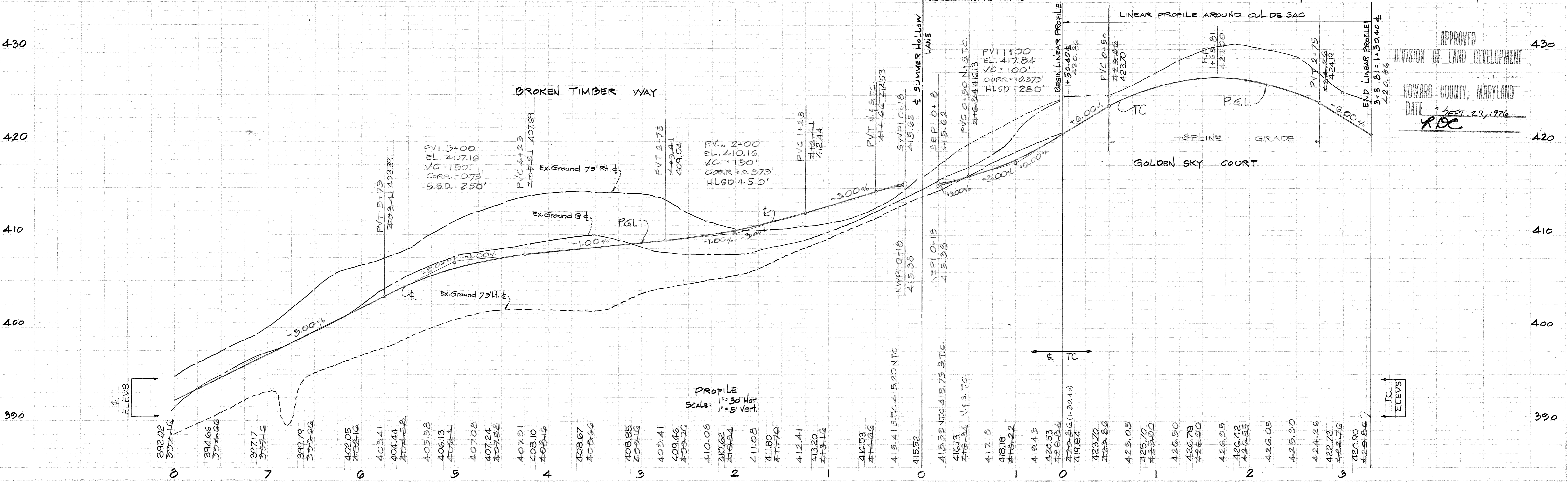
PROJECT AREA
GLENMONT
 SECTION 1 AREA 1

PROJECT TITLE
BROKEN TIMBER WAY GOLDEN SKY COURT
 STA. 0+ TO 8+ 0+ TO 2+

SCALE: AS SHOWN DATE

ENGINEER
 MCA ENGINEERING CORPORATION
 1020 CROMWELL BRIDGE RD.
 TOWSON, MD 21204

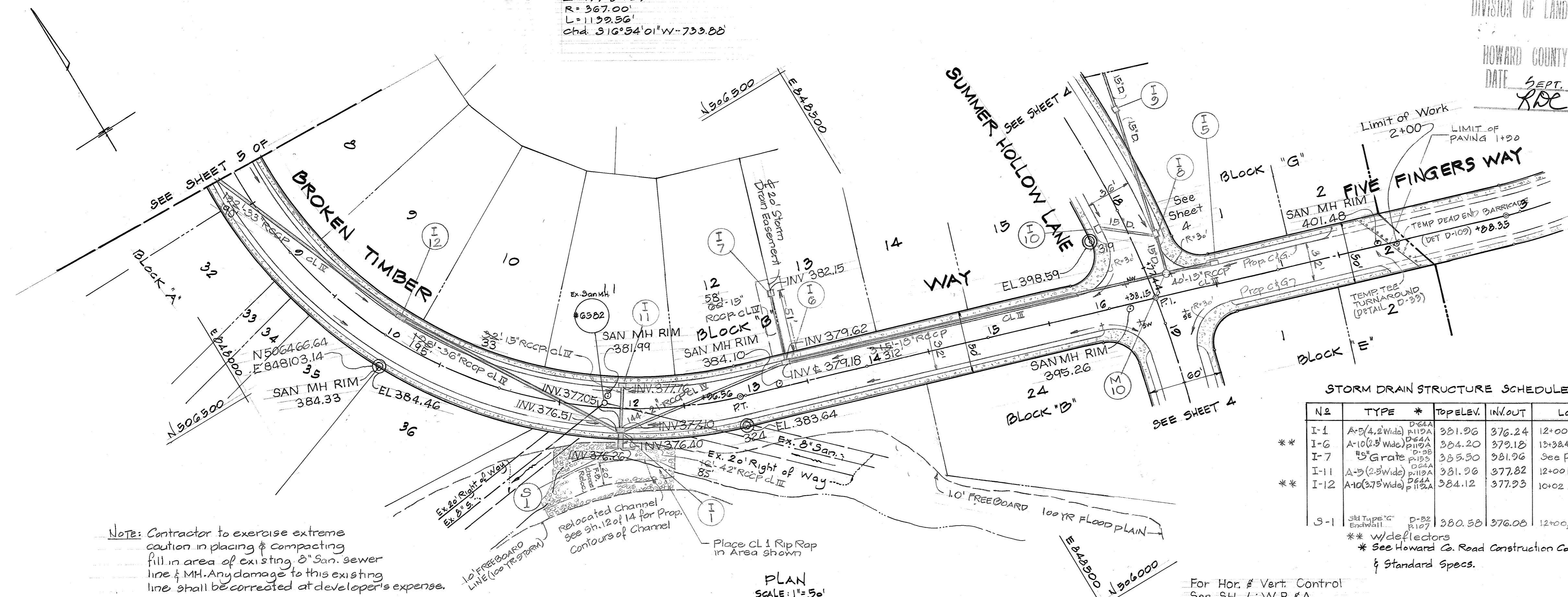
Paul Lee
 Paul Lee
 Registered Engineer
 No. 4047



CURVE DATA
 $\Delta = 177^{\circ}54'27"$
 $R = 367.00'$
 $L = 1139.96'$
 $\text{Chd. } 316^{\circ}54'01"W - 733.00'$

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE SEPT. 29, 1976
RDC

DEPARTMENT OF PUBLIC WORKS
Lawville W. Weiland 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
Robert O'Clive 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE



STORM DRAIN STRUCTURE SCHEDULE

| NO. | TYPE | TOP ELEV. | IN/OUT | LOCATION |
|------|---------------------------------|-----------|--------|-----------------------------------|
| I-1 | A-5 (4.2' wide) P15A | 381.26 | 376.24 | 12+00 Rt. Broken Timber Way |
| I-6 | A-10 (8' wide) P15A | 384.20 | 379.18 | 13+38.47 Lt. |
| I-7 | 5" Grate P15A | 383.50 | 381.96 | See Plan & Profile |
| I-11 | A-5 (2.5' wide) P15A | 381.96 | 377.82 | 12+00 Lt. Broken Timber Way |
| I-12 | A-10 (3.75' wide) P15A | 384.12 | 377.93 | 10+02 Lt. Broken Timber Way |
| S-1 | Skirt type C Entr. Wall P107 | 380.58 | 376.08 | 12+00, 3.2' Rt. Broken Timber Way |

** w/deflectors
 * See Howard Co. Road Construction Code & Standard Specs.

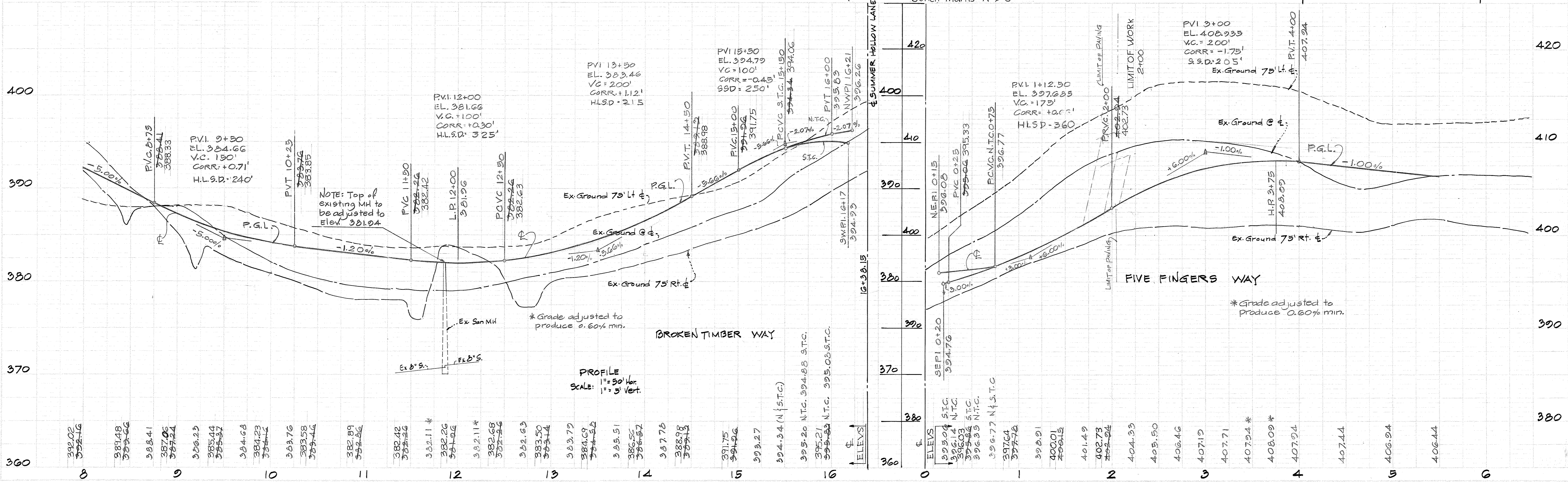
Note: Contractor to exercise extreme caution in placing & compacting fill in area of existing 8" San. sewer line & MH. Any damage to this existing line shall be corrected at developer's expense.

PLAN SCALE: 1" = 50'

For Hor. & Vert. Control
 See SH. I: V.R. & A.
 Bench Marks "A" & "3"

| Rev. Date | Rev. No. | Revision Description |
|-----------|----------|---|
| | | 6 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND |
| | | OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 19 E. FAYETTE STREET, BALTIMORE MARYLAND 21202 |
| | | PROJECT AREA GLENMONT SECTION 1 AREA 1 |
| | | PROJECT TITLE PLAN & PROFILE BROKEN TIMBER WAY FIVE FINGERS WAY STA. 8+ TO 16+ STA. 0+ TO 6+ |
| | | SCALE: As shown DATE |
| | | ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. TOWSON, MD 21204 |

Paul Lee
 Paul Lee
 Registered Engineer
 No. 4047

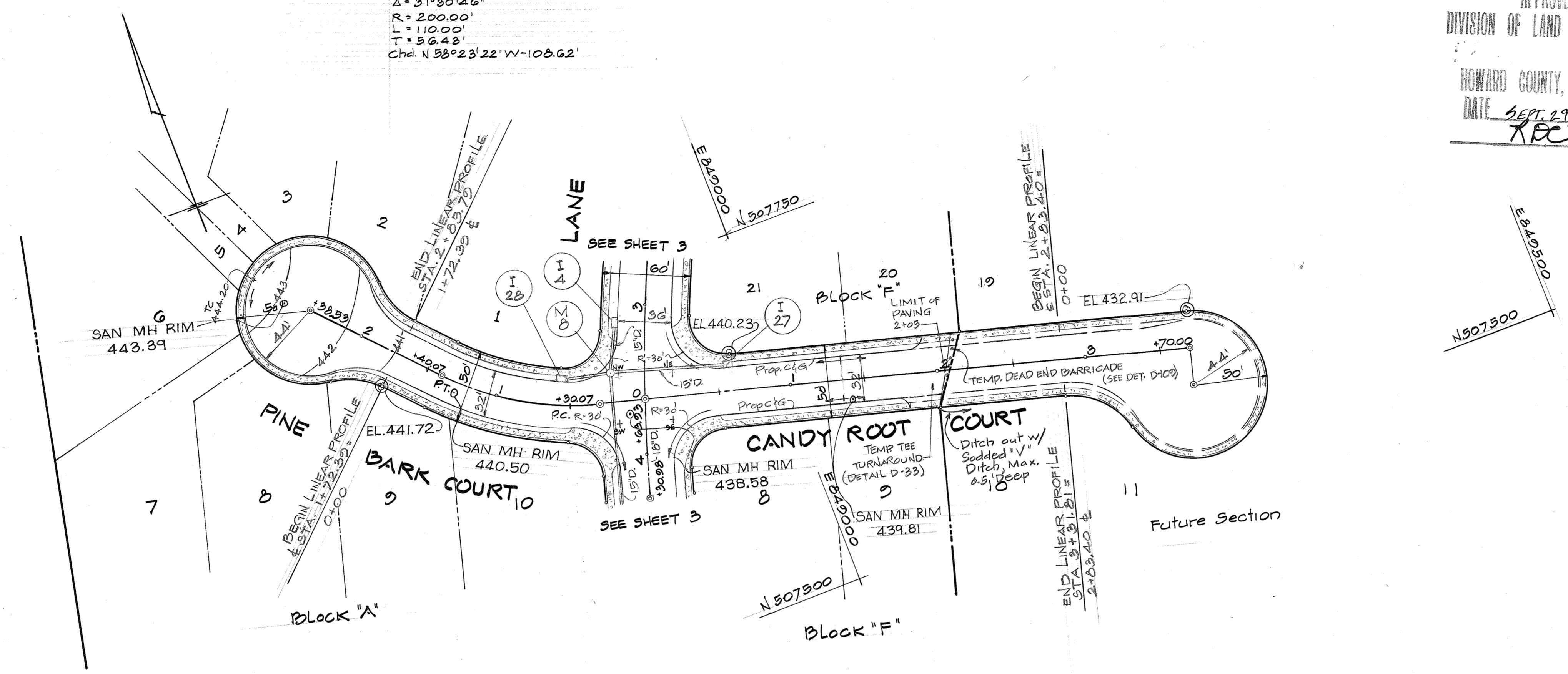


PROFILE SCALE: 1" = 50' Hor. 1" = 5' Vert.

PLAN
 1/4" = 10'-0"
 1/8" = 10'-0"
 1/16" = 10'-0"

PROFILE
 1/4" = 5'-0"
 1/8" = 5'-0"
 1/16" = 5'-0"

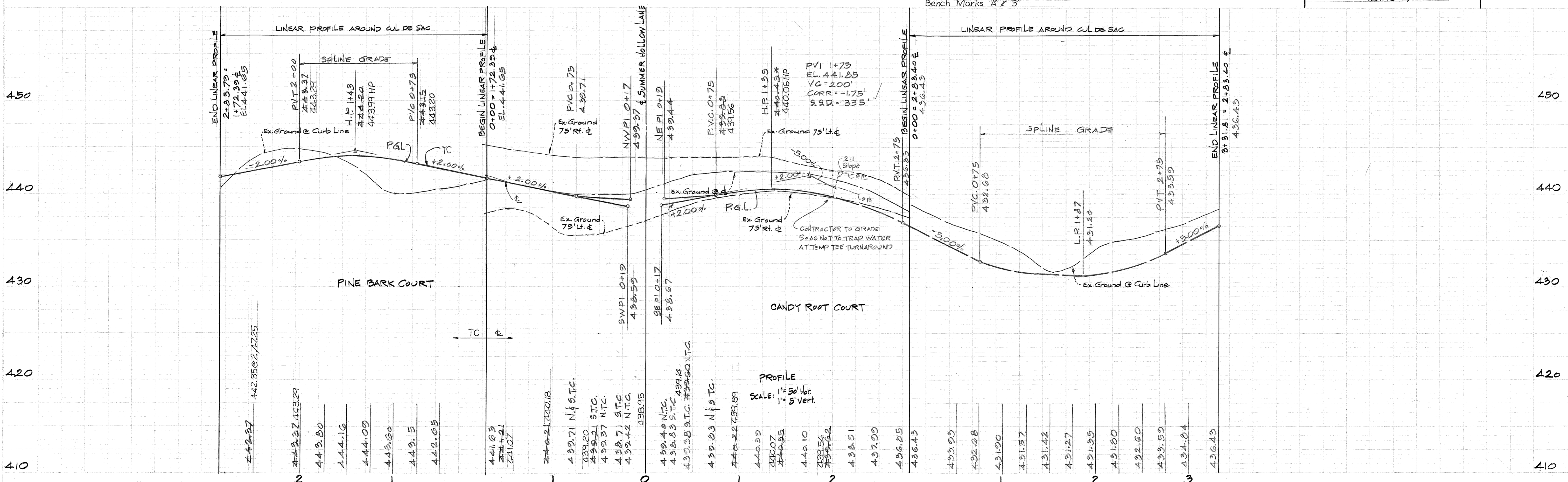
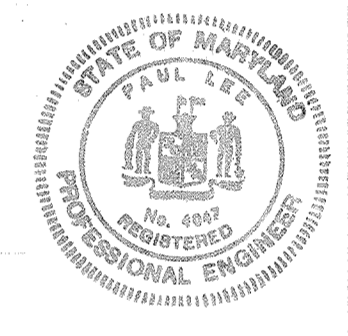
CURVE DATA
 $\Delta = 31^\circ 30' 46"$
 $R = 200.00'$
 $L = 110.00'$
 $T = 56.43'$
 $Chd. N 38^\circ 23' 22" W - 108.62'$



APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE SEPT. 29, 1976
 REC

DEPARTMENT OF PUBLIC WORKS
Granville W. Wehland 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
Robert D. Cline 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev. Date | Rev. No. | Revision Description |
|-----------|----------|--|
| | | 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND |
| | | OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 19 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202 |
| | | PROJECT AREA GLENMONT SECTION 1, AREA 1 |
| | | PROJECT TITLE PLAN & PROFILE PINE BARK COURT CANDY ROOT COURT STA. 0+ TO 2+ STA. 0+ TO 3+ |
| | | Scale: As Shown DATE |
| | | ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. TOWSON, MD. 21204 |
| | | <i>Paul Lee</i> Paul Lee Registered Engineer No. 4047 |

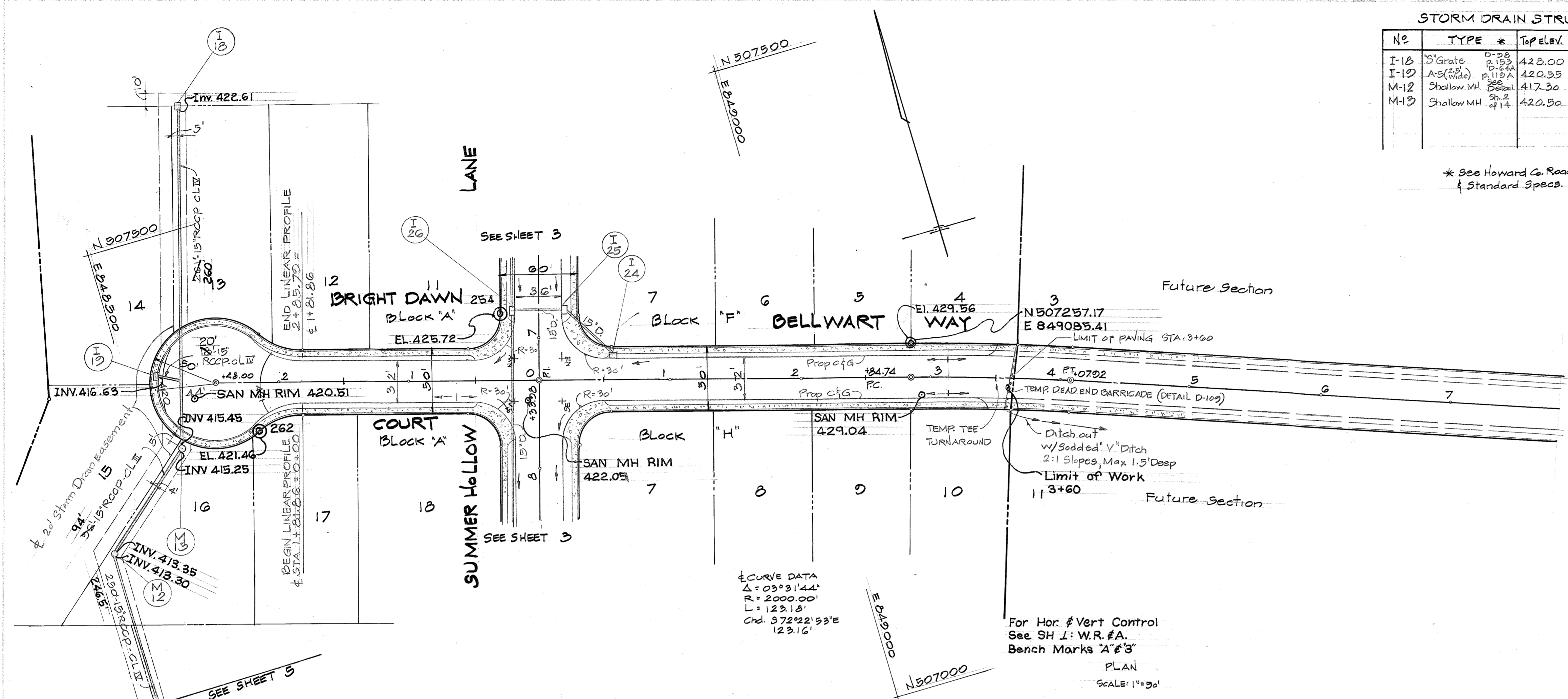


STORM DRAIN STRUCTURE SCHEDULE

| NO | TYPE | * INVERT | TOP ELEV. | INLET | LOCATION |
|------|------------|------------|-----------|--------|---------------------------|
| I-18 | 5" Grate | 0-28 | 428.00 | 422.20 | See Plan & Profile |
| I-19 | A-5 (Wide) | 0-19 | 420.35 | 416.71 | 1.50 Lin Profile Down cl. |
| M-12 | Shallow MH | See Detail | 417.30 | 413.01 | See Plan & Profile |
| M-13 | Shallow MH | See Detail | 420.50 | 414.17 | See Plan & Profile |

DEPARTMENT OF PUBLIC WORKS
Graunville W. Wehland 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
Robert O'Clune 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

* See Howard Co. Road Construction Code & Standard Specs.



| Rev. Date | Rev. No. | Revision Description |
|-----------|----------|----------------------|
| | | |

GLENMONT DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
 COLONIAL CORNER SERVICES CORPORATION
 BALTIMORE FEDERAL BUILDING
 19 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202

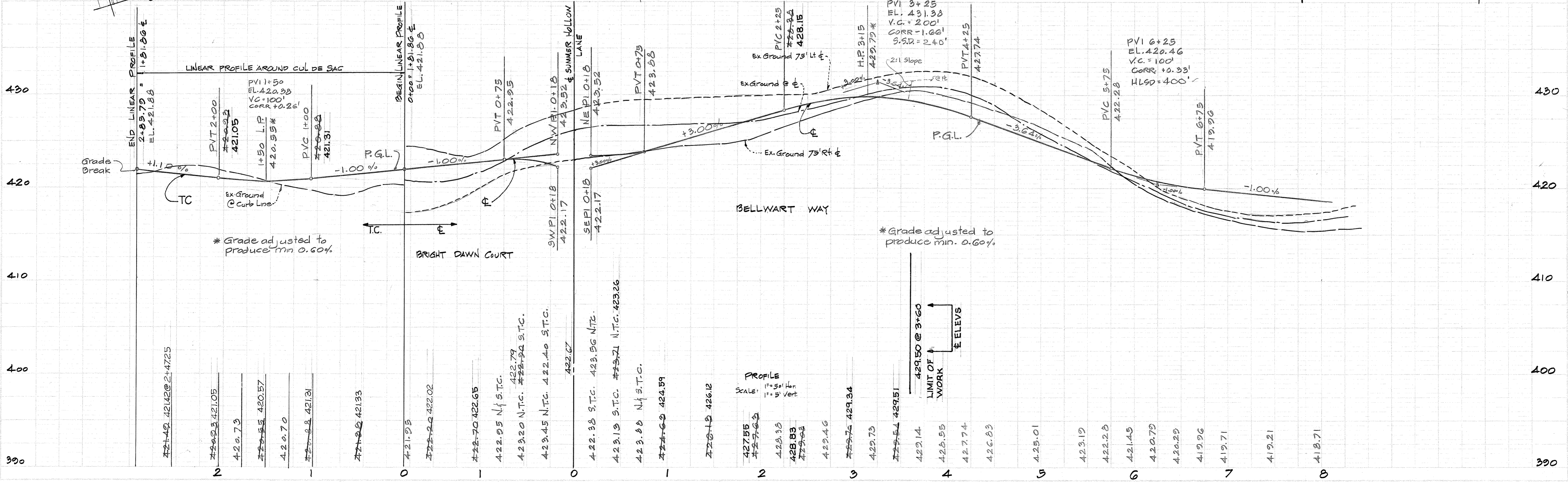
PROJECT AREA
GLENMONT
 SECTION 1 AREA 1

PROJECT TITLE
PLAN & PROFILE
BRIGHT DAWN COURT - BELLWART WAY
 STA. 0+ TO 2+ STA. 0+ TO 7+

SCALE: As Shown DATE

ENGINEER
 MCA ENGINEERING CORPORATION
 1020 CROMWELL BRIDGE RD.
 TOWSON, MD. 21204

Paul Lee
 Registered Engineer
 No. 4047



DEPARTMENT OF PUBLIC WORKS
Erwin W. Weiland 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING AND ZONING
Robert D. Clive 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev. Date | Rev. No. | Revision Description |
|-----------|----------|--|
| 9/27/76 | 1 | Accel & Decel. Lane width @ Md 108 changed to 121' |

6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER:
 COLONIAL CORNER SERVICE CORPORATION
 BALTIMORE FEDERAL BUILDING
 12 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202

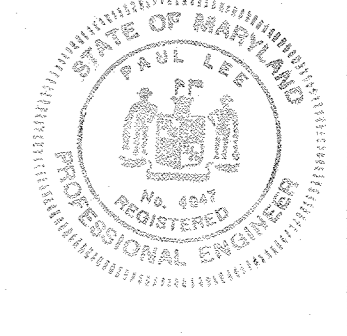
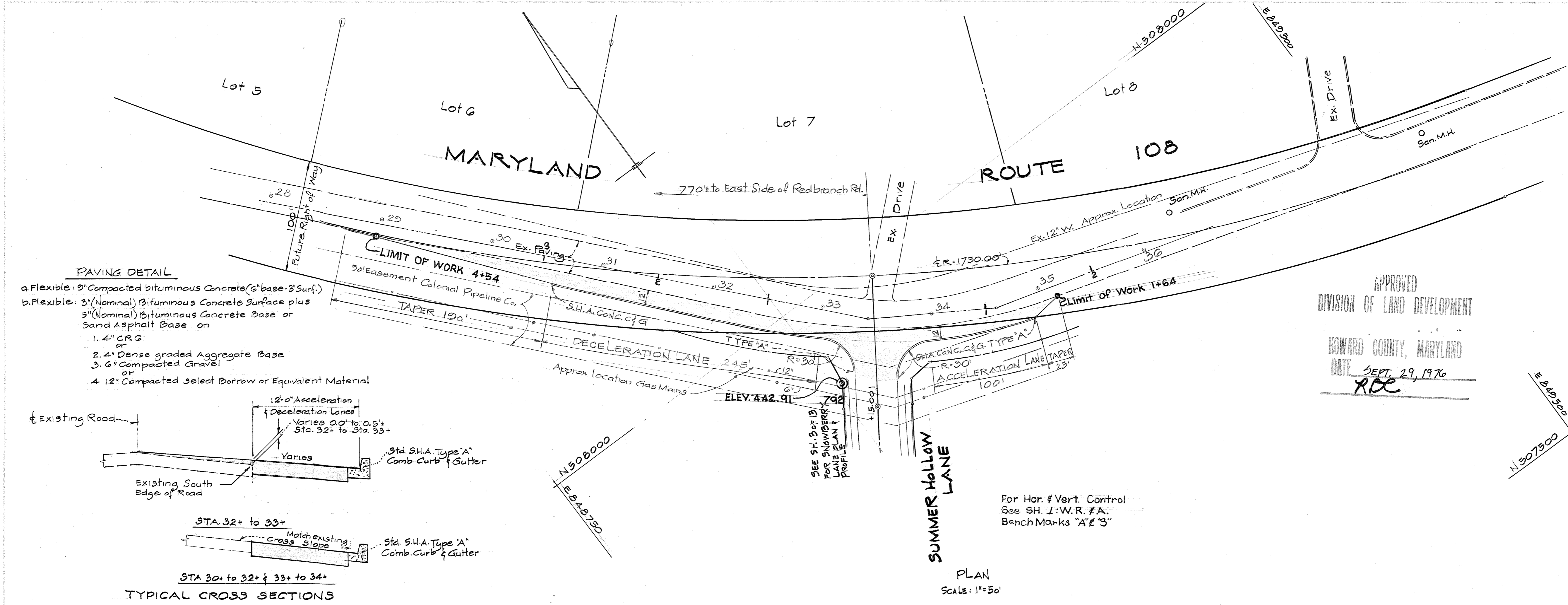
PROJECT AREA
GLENMONT
 SECTION 1 AREA 1

PROJECT TITLE
 ACCELERATION & DECELERATION LANES
 MARYLAND ROUTE 108

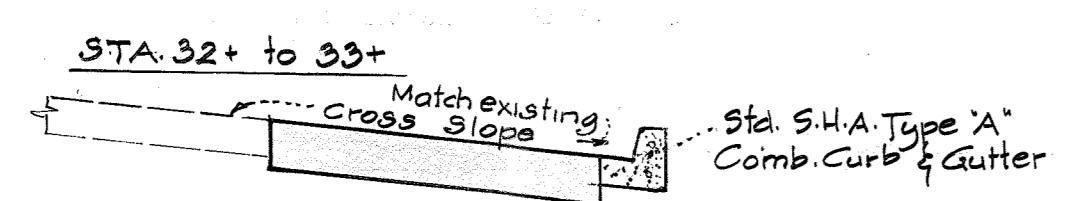
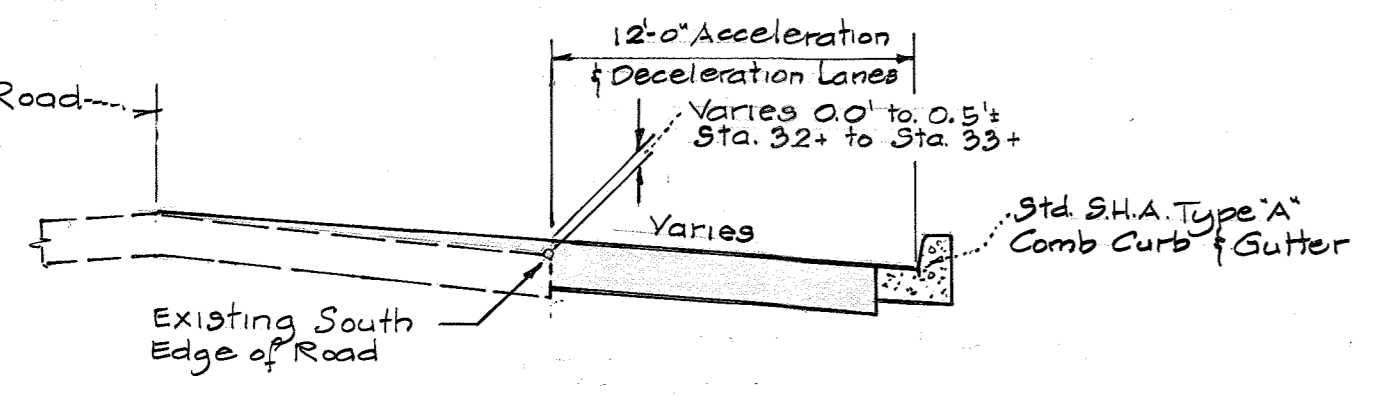
Scale: AS SHOWN DATE:

ENGINEER
 MCA ENGINEERING CORPORATION
 1020 CROMWELL BRIDGE RD
 TOWSON, MD. 21204

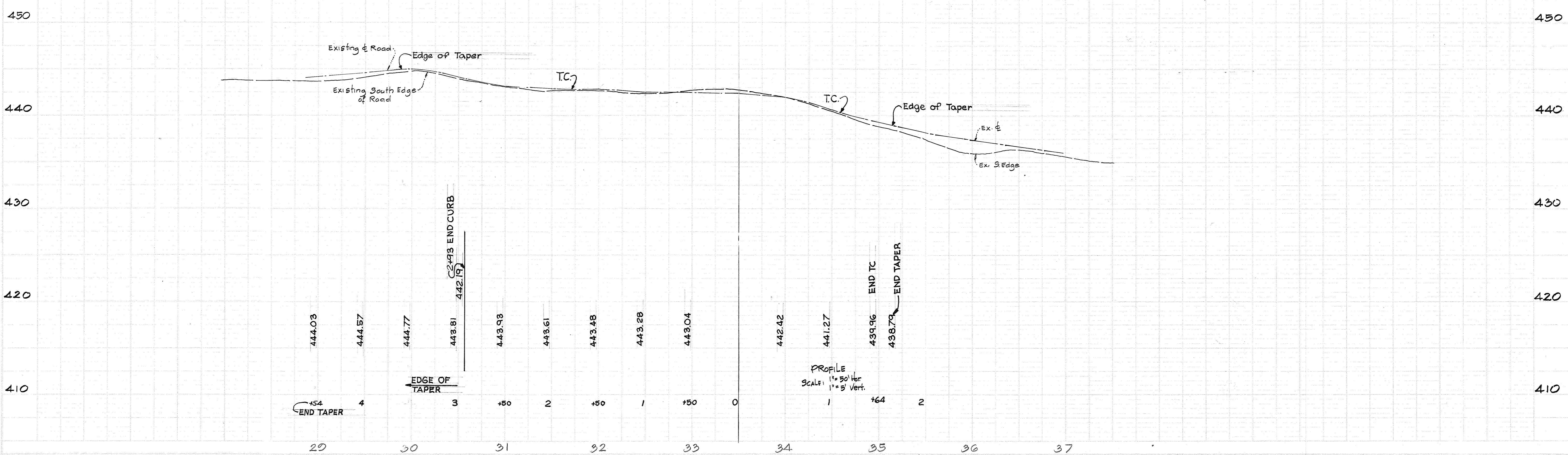
Paul Lee
 Registered Engineer
 No. 4047

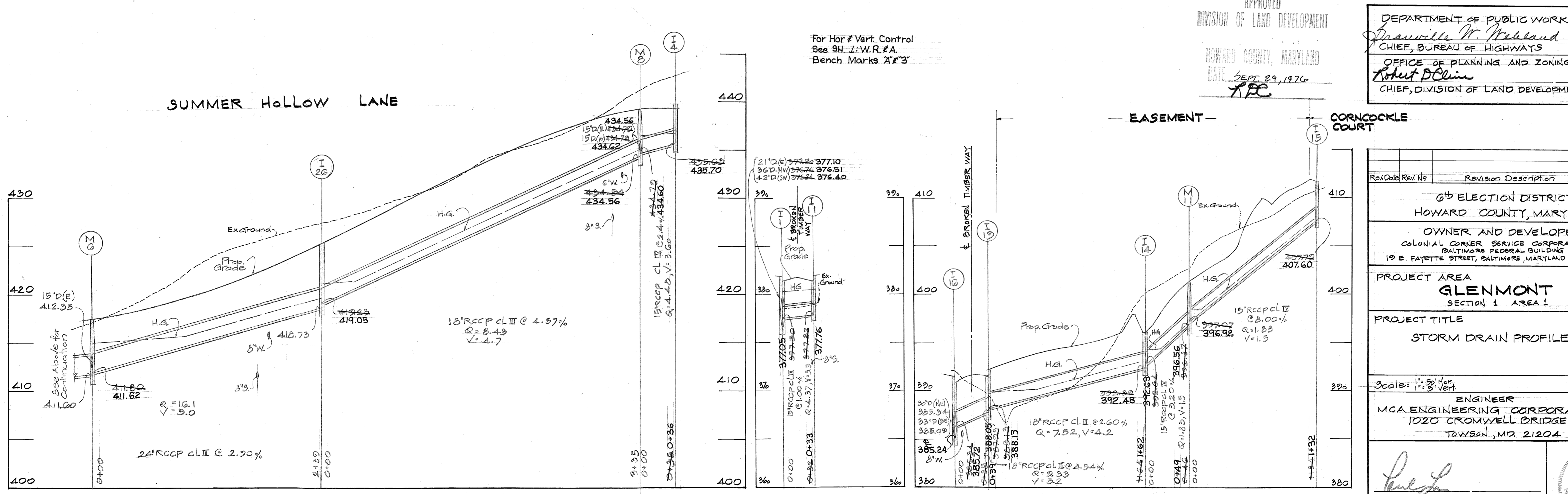
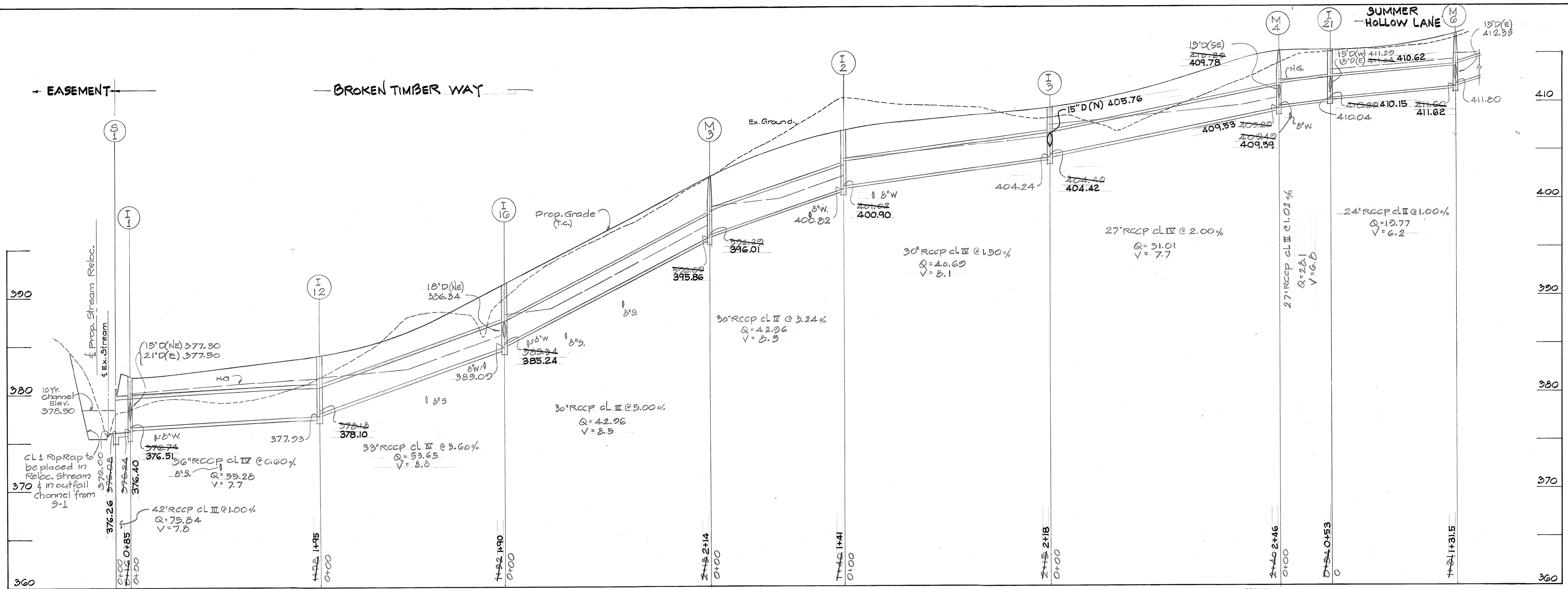



- PAVING DETAIL**
- a. Flexible: 9" Compacted bituminous Concrete (2" base-3" Surf.)
 - b. Flexible: 3" (Nominal) Bituminous Concrete Surface plus 3" (Nominal) Bituminous Concrete Base or Sand Asphalt Base on
 1. 4" CRG or
 2. 4" Dense graded Aggregate Base
 3. 6" Compacted Gravel or
 4. 12" Compacted select Borrow or Equivalent Material



TYPICAL CROSS SECTIONS





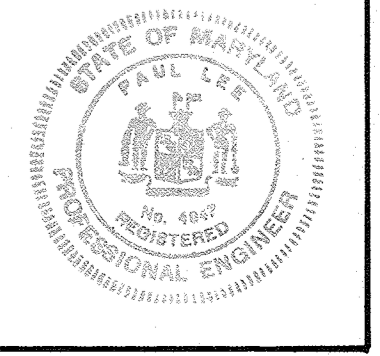
For Hor & Vert Control
See SH. L:W.R. & A.
Bench Marks 'A' & 'B'

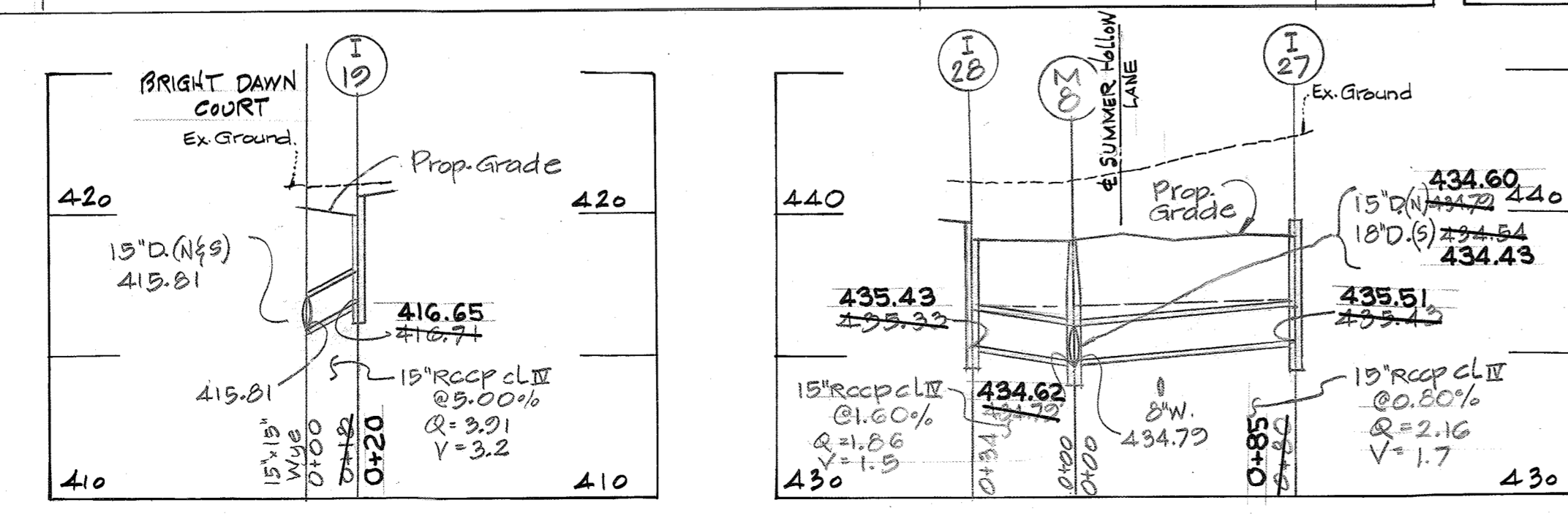
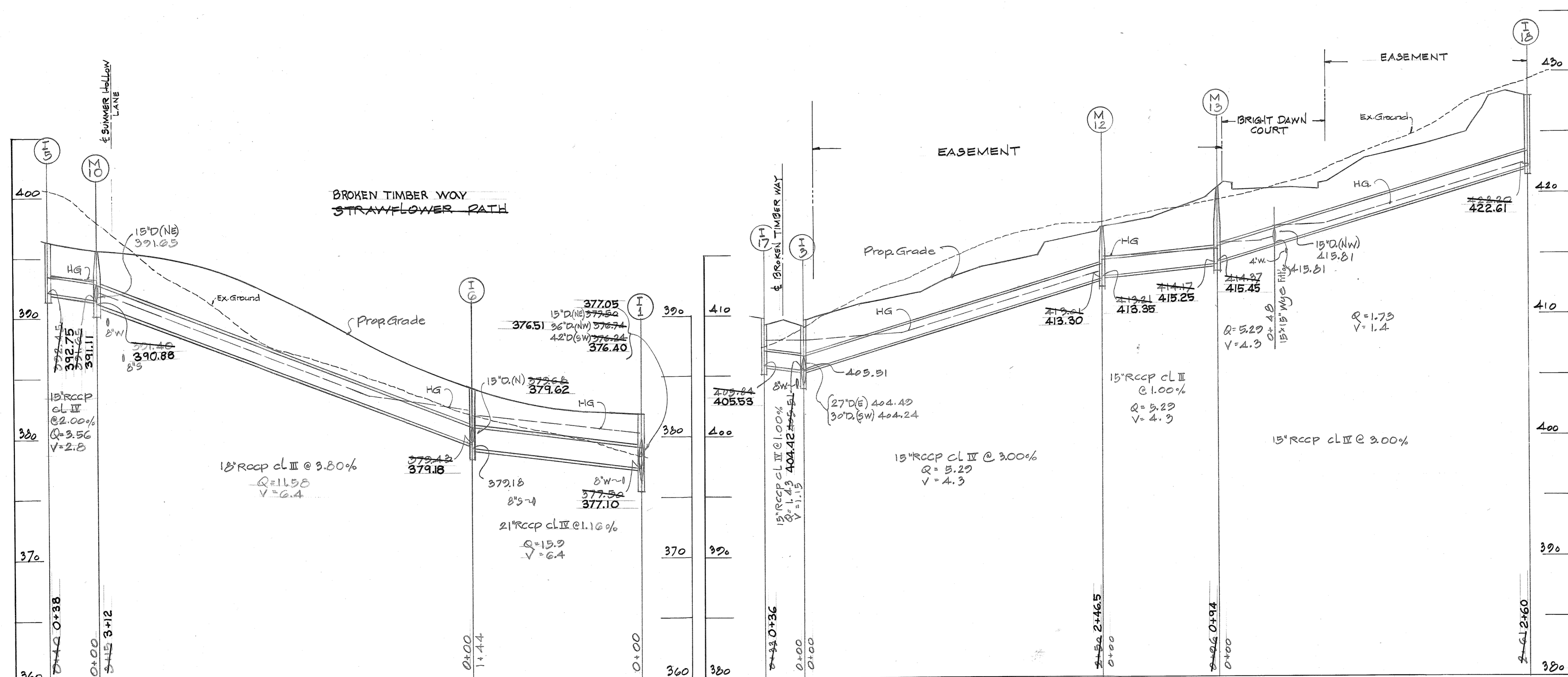
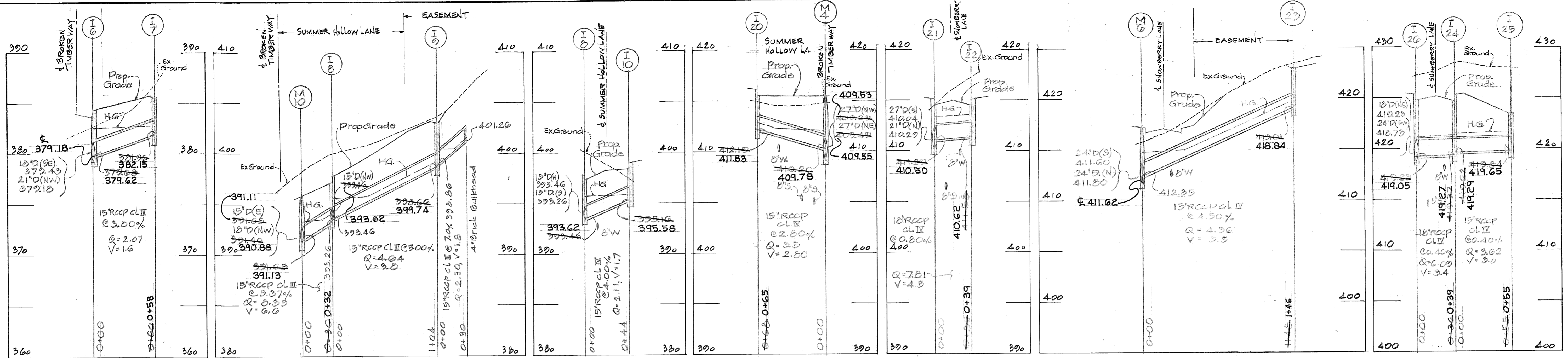
APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE SEPT 29, 1976
RBC

DEPARTMENT OF PUBLIC WORKS
Granville W. Hebland 10/29/76
CHIEF, BUREAU OF HIGHWAYS DATE
OFFICE OF PLANNING AND ZONING
Robert D. Clin 11-3-76
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev/Date | Rev/No | Revision Description |
|----------|--------|--|
| | | 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND |
| | | OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 19 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202 |
| | | PROJECT AREA GLENMONT SECTION 1 AREA 1 |
| | | PROJECT TITLE STORM DRAIN PROFILES |
| | | Scale: 1" = 50' Hor. 1" = 5' Vert. DATE: |
| | | ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE ROAD TOWSON, MD 21204 |

Paul Lee
Paul Lee
Registered Engineer
No. 4047





For Hor. & Vert. Control
See S.H. 1: W.R. #A.
Bench Marks 'A' & '3'

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE SEPT. 29, 1976
RBC

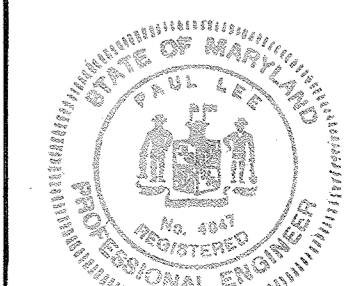
DEPARTMENT OF PUBLIC WORKS
Grawville W. Weiland 10/29/76
CHIEF, BUREAU OF HIGHWAYS DATE
OFFICE OF PLANNING AND ZONING
Robert D. Clinch 11-3-76
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

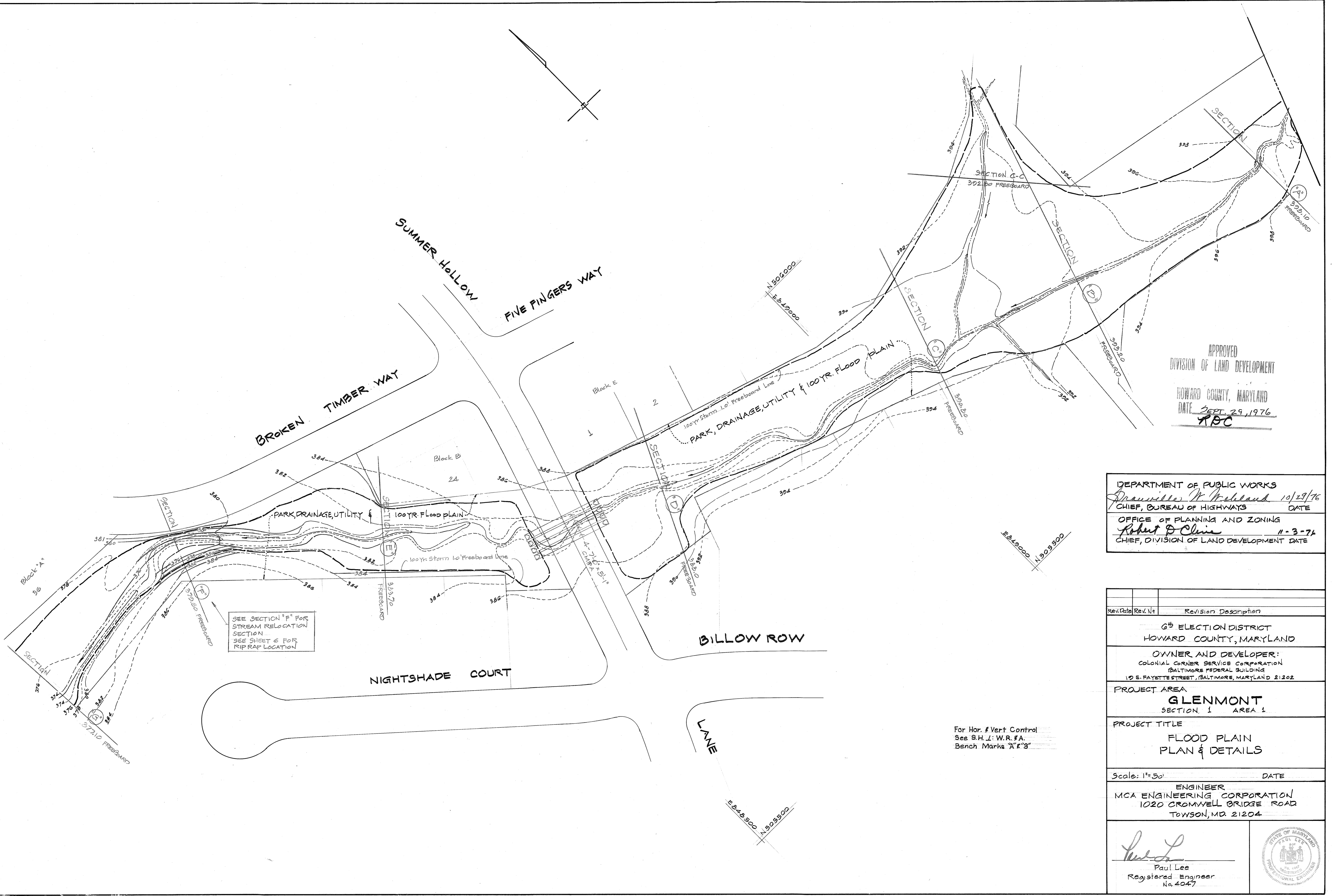
| Rev. Date | Rev. No. | Revision Description |
|--|----------|----------------------|
| 6 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | | |
| OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 10 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202 | | |
| PROJECT AREA GLENMONT SECTION 1 AREA 1 | | |
| PROJECT TITLE STORM DRAIN PROFILES | | |

Scale: 1" = 30' Hor.
1" = 5' Vert. DATE

ENGINEER
MCA ENGINEERING CORPORATION
1020 CROMWELL BRIDGE ROAD
TOWSON, MD. 21204

Paul Lee
Registered Engineer
No. 2047



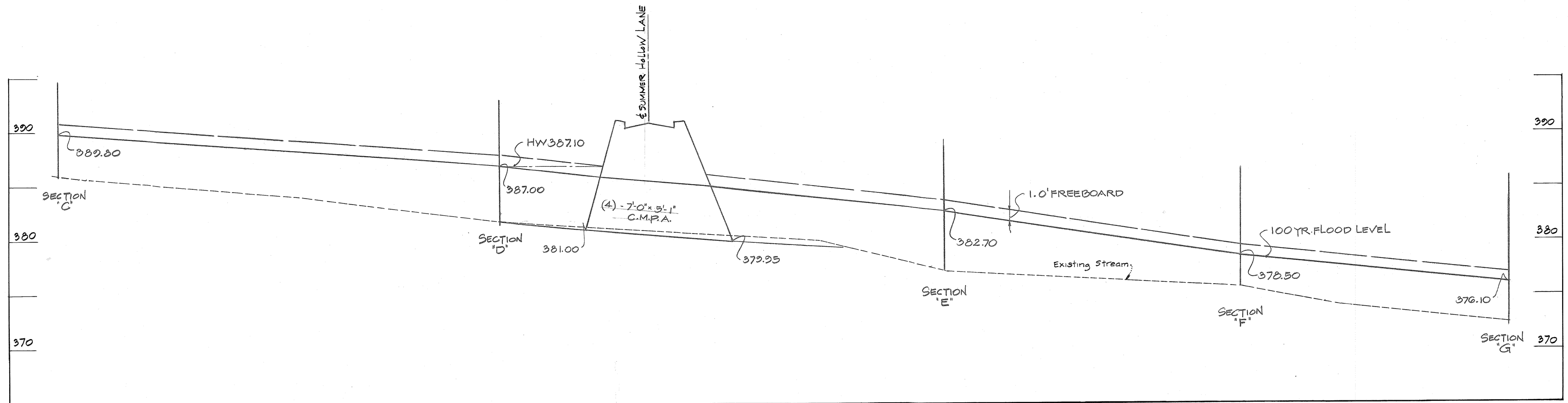


APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE SEPT. 29, 1976
RBC

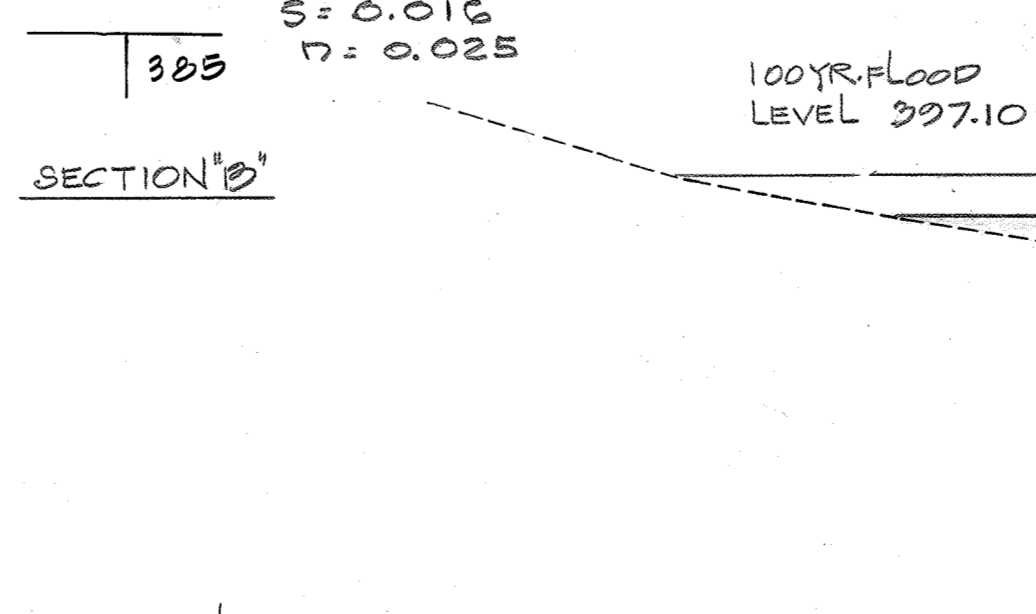
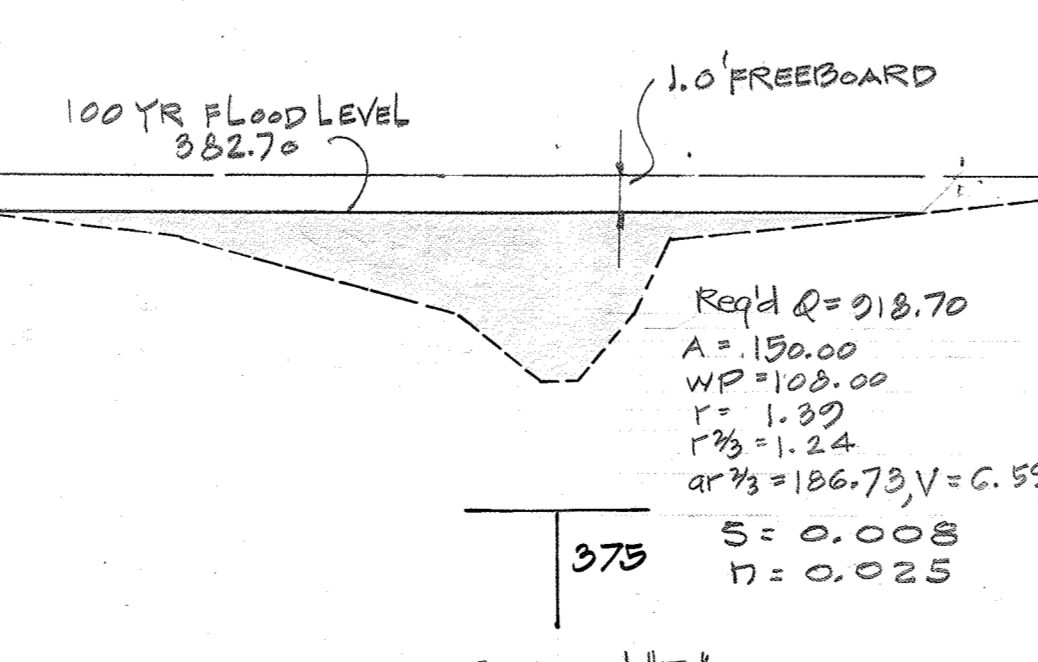
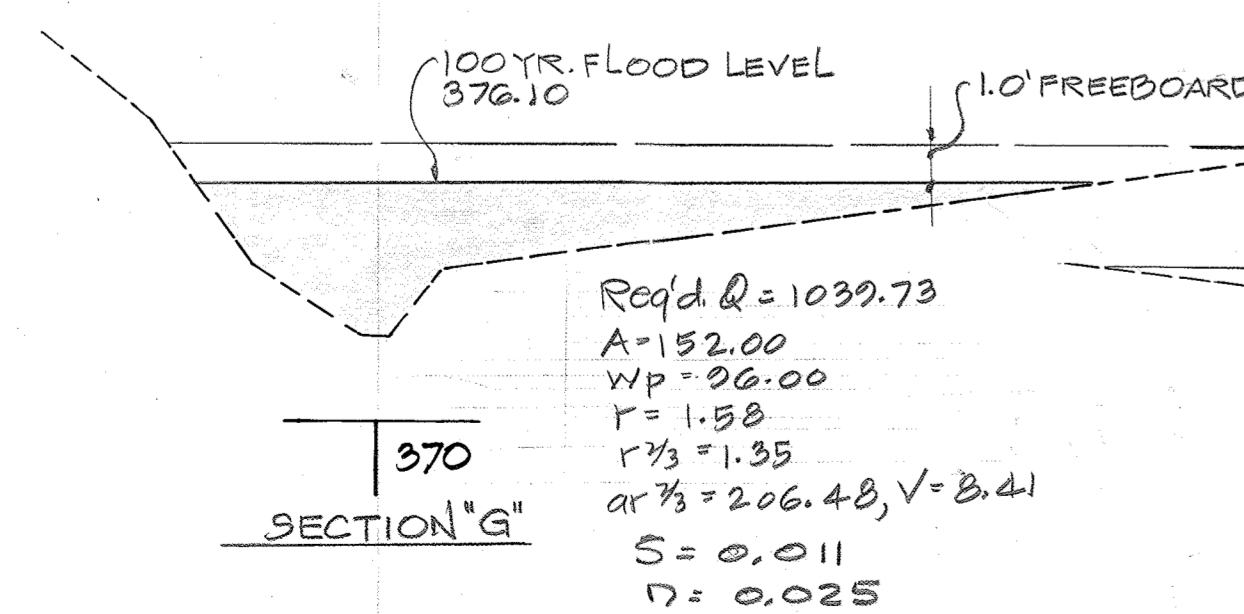
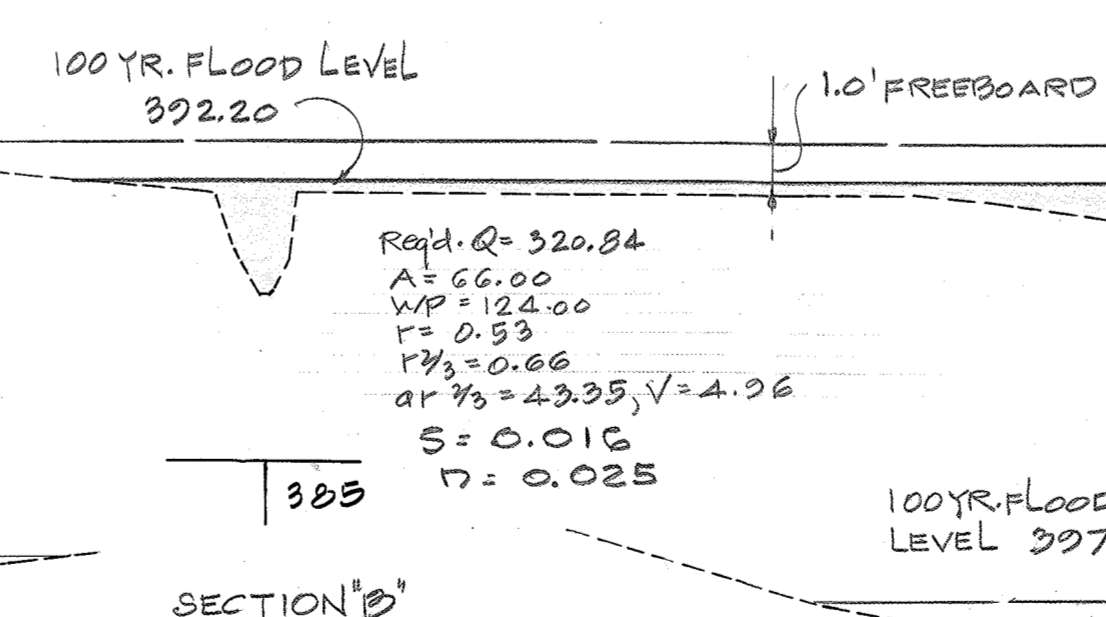
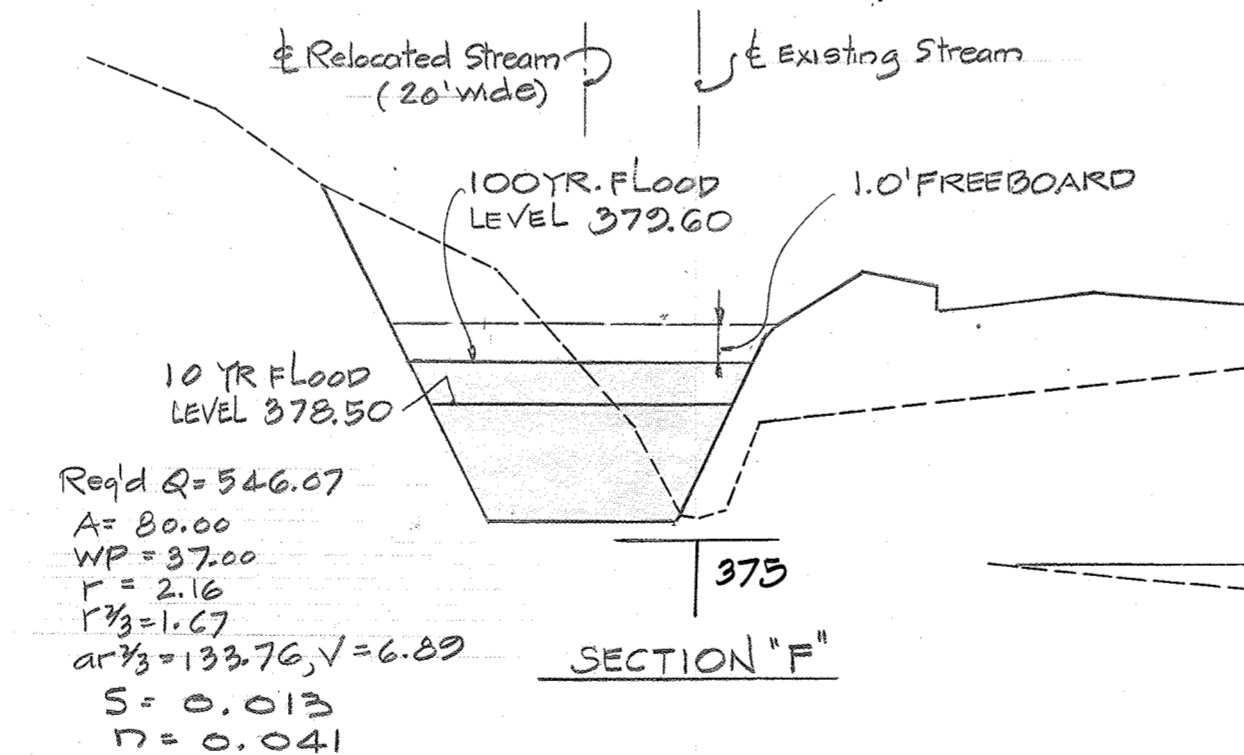
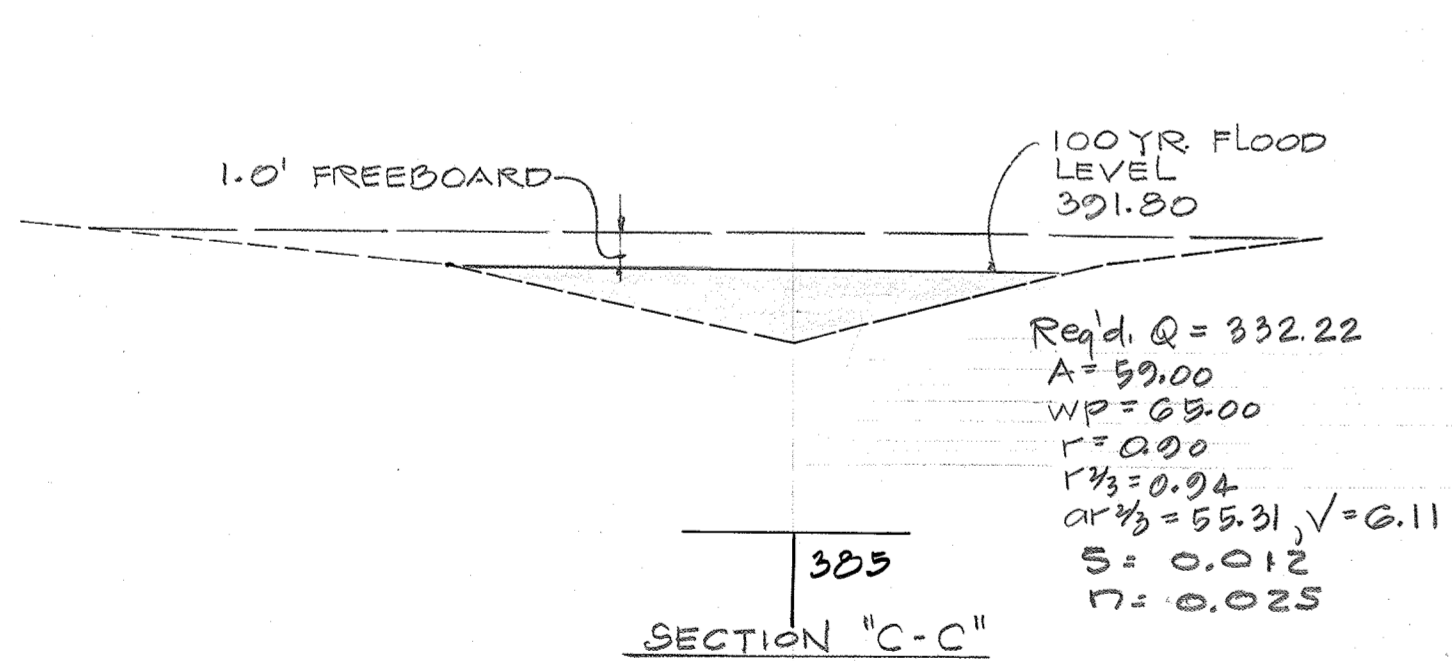
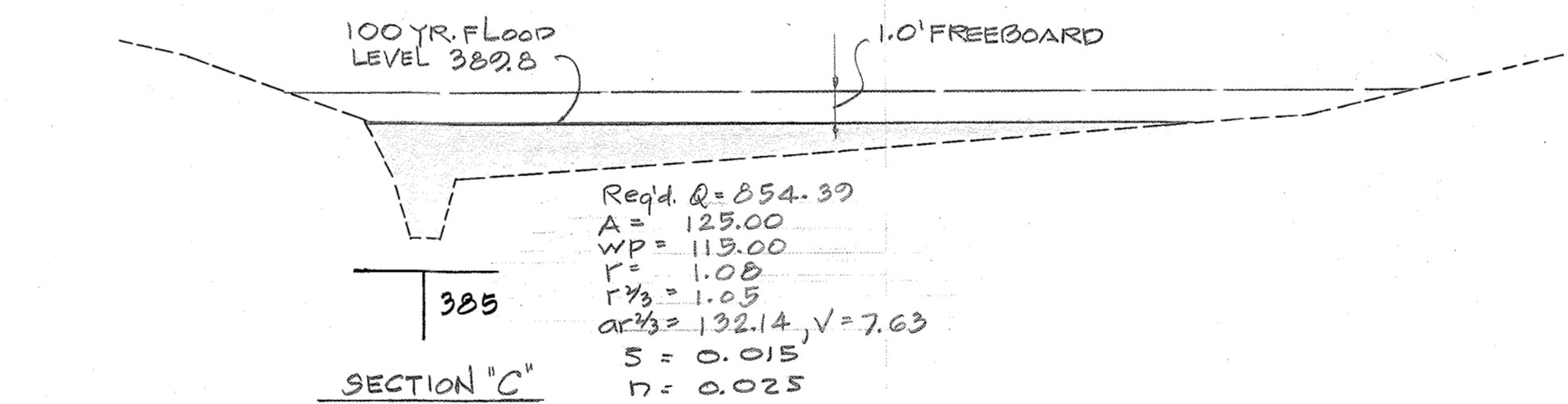
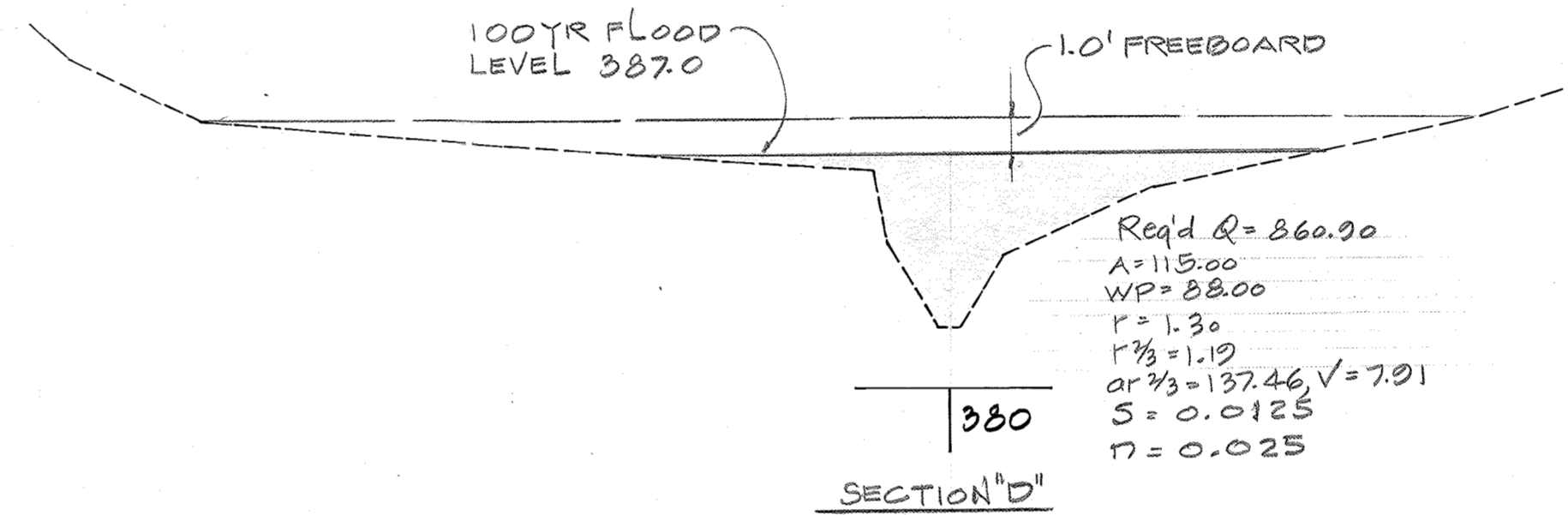
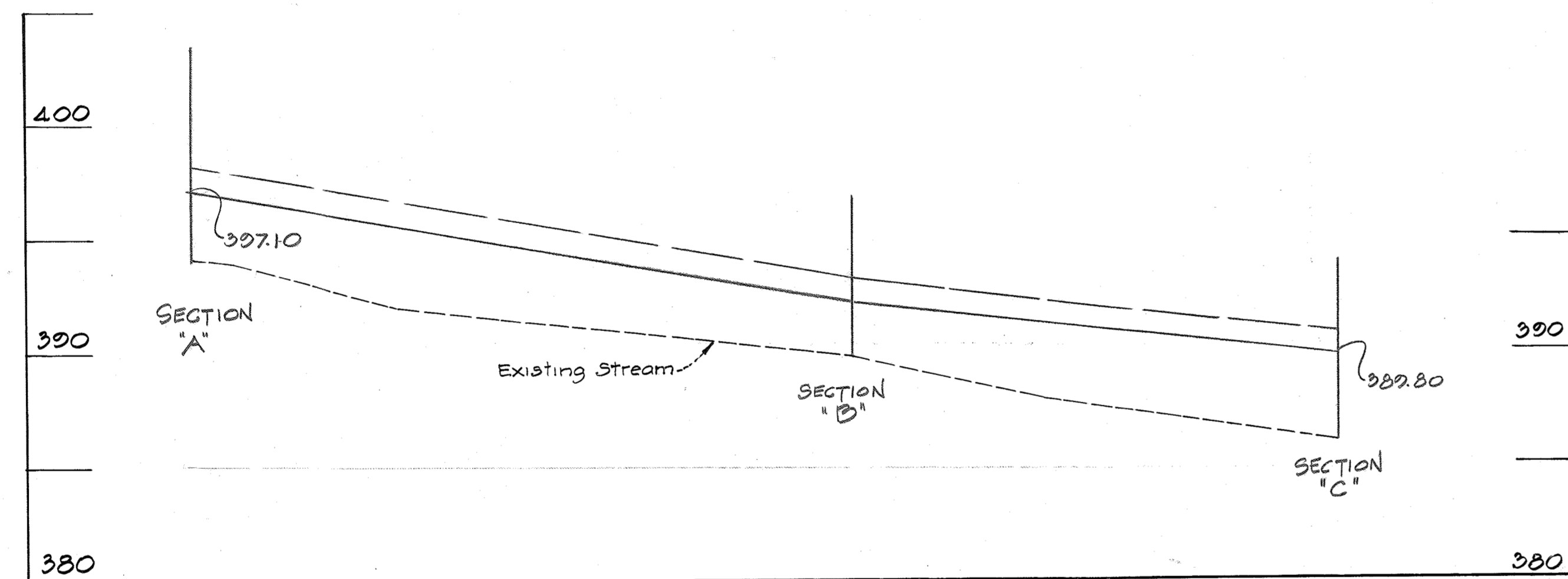
DEPARTMENT OF PUBLIC WORKS
Drewville N. Ireland 10/29/76
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
Robert D. Clavin 11-3-76
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev. Date | Rev. No. | Revision Description |
|-----------|----------|--|
| | | 6 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND |
| | | OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 12 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202 |
| | | PROJECT AREA GLENMONT SECTION 1 AREA 1 |
| | | PROJECT TITLE FLOOD PLAIN PLAN & DETAILS |
| | | Scale: 1"=50' DATE |
| | | ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE ROAD TOWSON, MD 21204 |
| | | <i>Paul Lee</i> Paul Lee Registered Engineer No. 4047 |
| | | |

For Hor. & Vert Control
 See S.H.L.: W.R.#A.
 Bench Marks 'A' & 'B'



PROFILE OF EXISTING CHANNEL
SCALE: 1" = 50' Hor.
1" = 5' Vert.



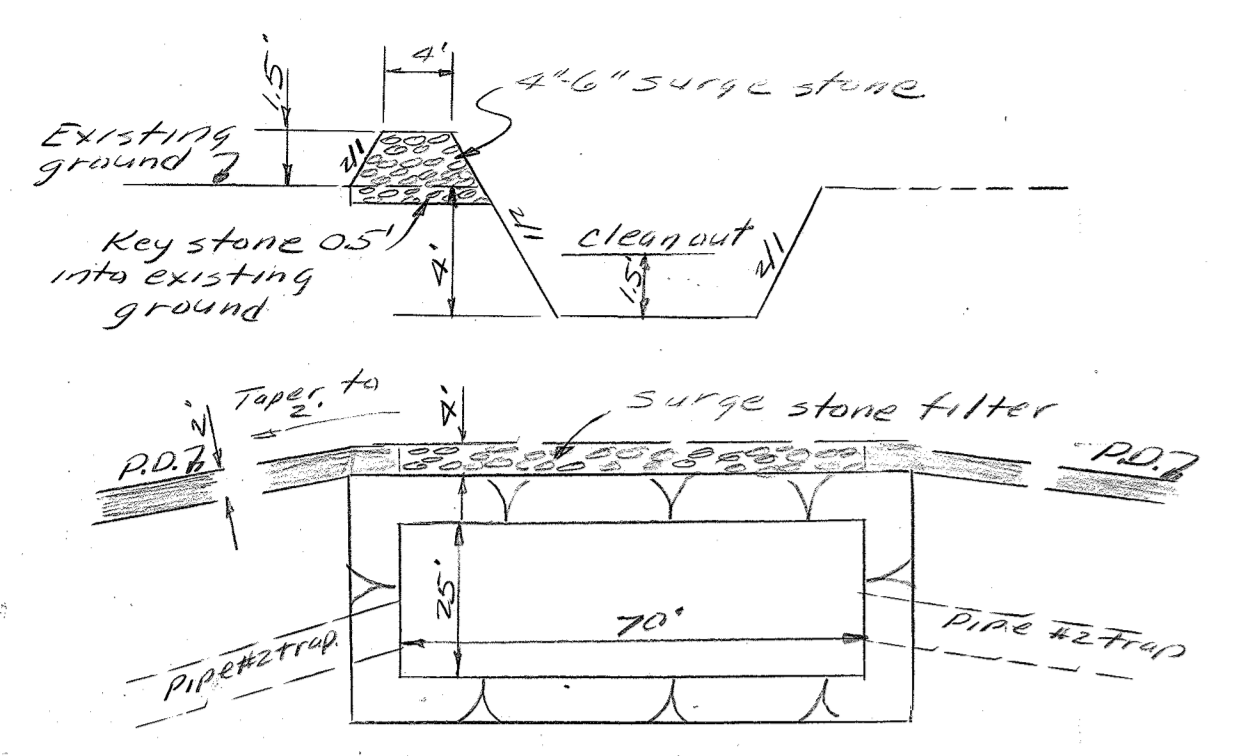
For Vert. & Hor. Control
See S.H. 2: W.R. & A.
Bench Marks 'A' & 'B'

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE: SEPT. 29, 1976
RDC

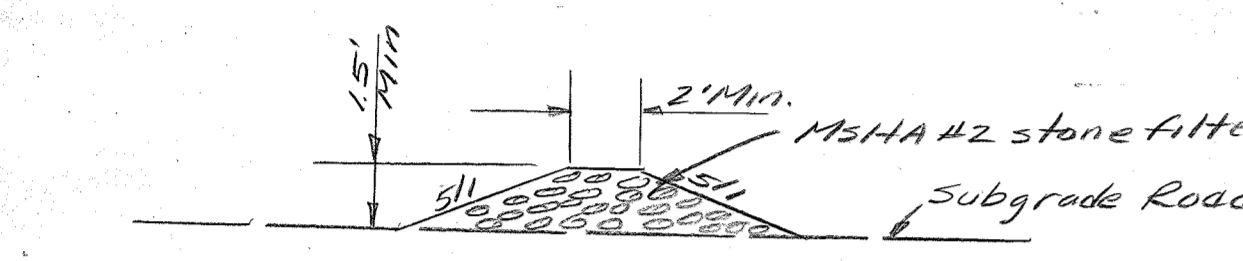
DEPARTMENT OF PUBLIC WORKS
Branville W. Weiland 10/29/76
CHIEF, BUREAU OF HIGHWAYS DATE
OFFICE OF PLANNING AND ZONING
Robert Decline 11/3/76
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev. Date | Rev. No. | Revision Description |
|--|----------|----------------------|
| | | |
| 6 th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | | |
| OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 19 E. FAYETTE STREET, BALTIMORE, MARYLAND 21202 | | |
| PROJECT AREA GLENMONT SECTION 1 AREA 1 | | |
| PROJECT TITLE CHANNEL PROFILE & CROSS SECTIONS | | |
| Scale: | DATE: | |
| ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE ROAD TOWSON, MD. 21204 | | |
| Paul Lee Registered Engineer No. 4047 | | |

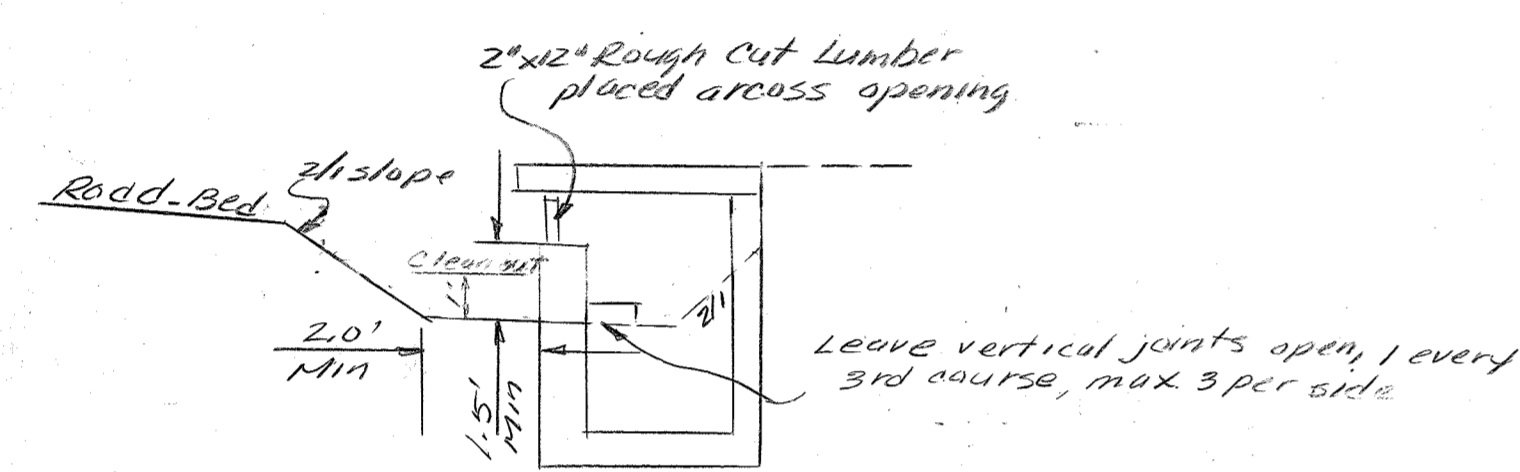
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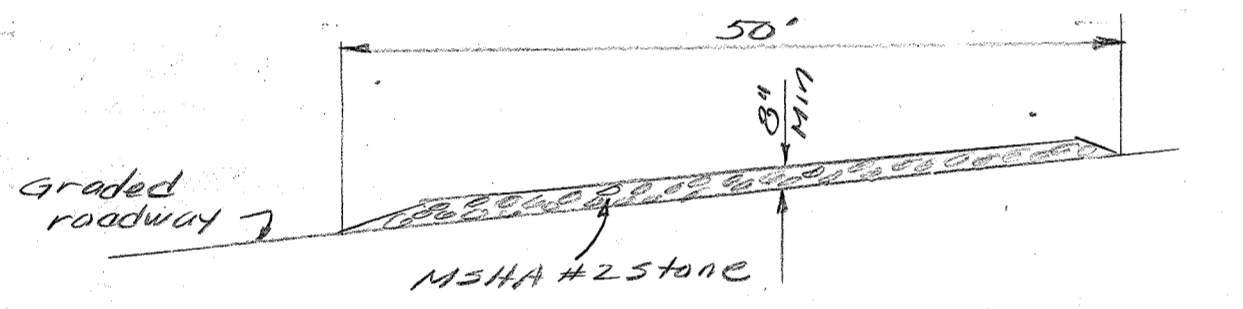
Silt traps: No scale



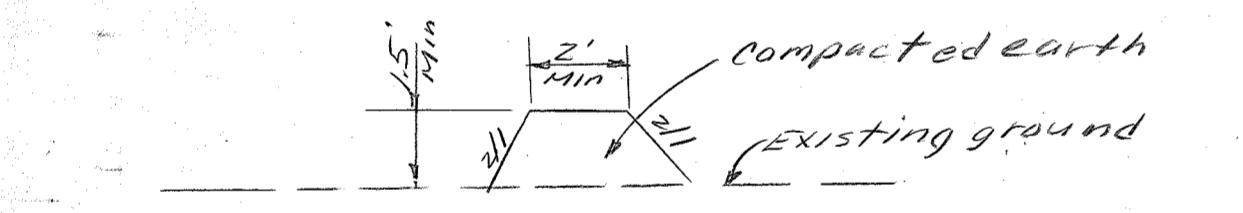
Typical Stone Filter Berm Across Roadway: No scale



Typical Silt Trap @ Inlets No scale



(See) Stabilized Construction Entrance No scale



RD Perimeter Dike: No scale

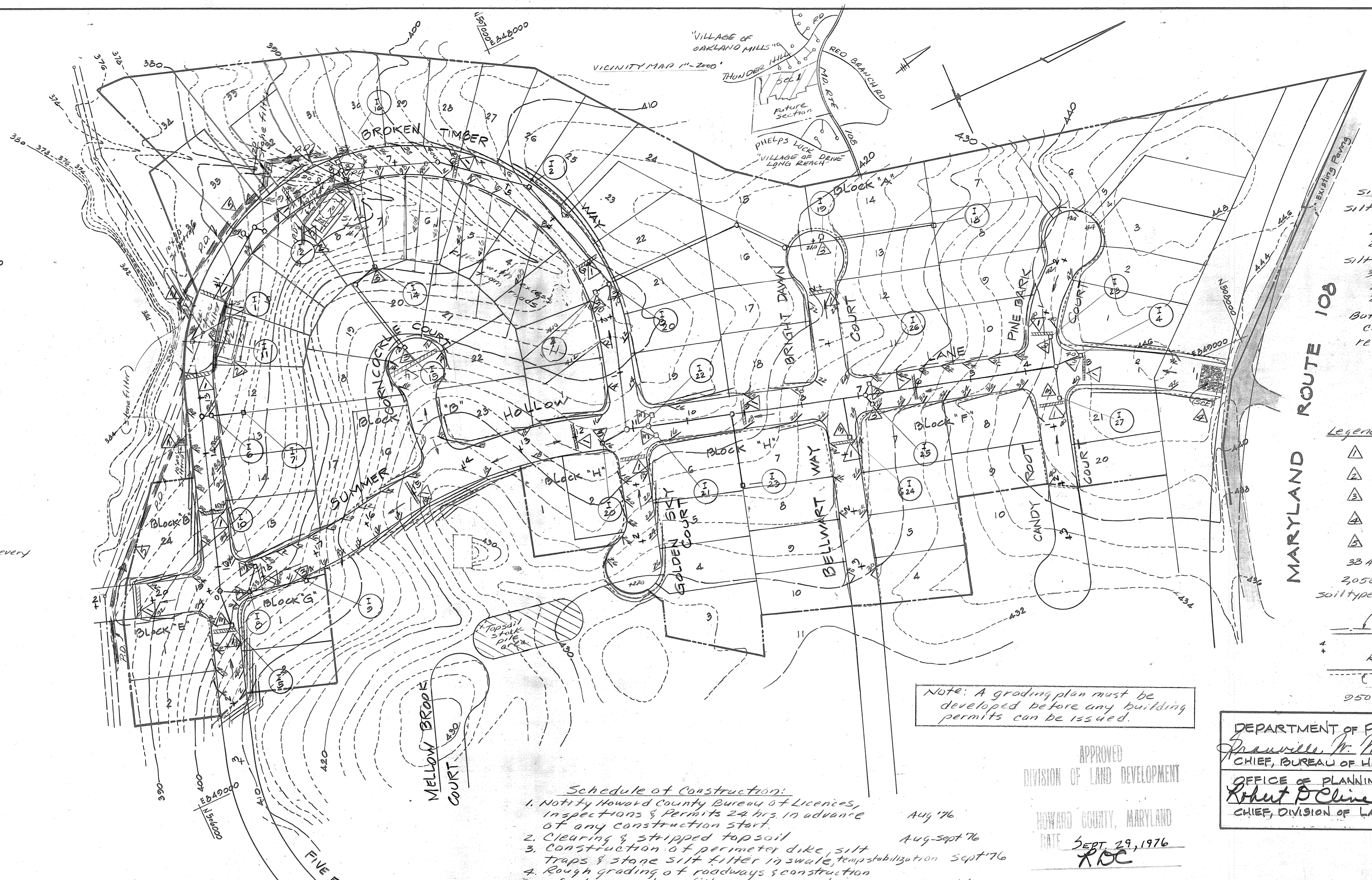
Sediment Control Notes:

- Contractor to notify Howard County Soil Conservation Dist & Howard County Bureau of Licenses, Inspection & Permits 24hrs. prior to starting grading operations.
- After clearing, contractor to strip topsoil within the R/W's additional area beyond R/W for slopes & stockpile topsoil in the area designated on plan or other locations as directed by Field Engineer. All topsoil stockpiled shall be surrounded with perimeter dike with stone filters placed every 100' (10' length). All stockpiles left undisturbed for 3 months or longer shall immediately be fertilized, limed & seeded with annual ryegrass @ rate of 1 lb/100 sq ft.
- Before grading operation start, contractor to construct perimeter dikes & both silt traps with stone filters & stone filter in swale.
- As grading operation start, contractor to construct stone filter berms & stabilized construction entrance across roadway in locations shown, as each section or area is brought to sub-grade. These stone filter berms are to be left in place & maintained until storm drain system has been constructed in each section affected. Stabilized construction entrance to be left in place until sub-base has been laid on roadways.
- As storm drains are constructed each inlet shall be used as a temp. silt trap as detailed on this sheet. At this time any stone filter berm above said constructed inlet may be removed & this stone placed at other locations as shown on plan. The inlet silt traps shall remain in operation, with proper maintenance, until road bed sub-base has been laid & all disturbed shoulders & sideslopes have been stabilized with seed & mulch. Pin-wood to be placed over the open end of any unfinished storm drain at the end of each working day.

- Shoulders & slopes shall immediately be seeded & mulched as each section or area has been brought to grade:
Seed bed Preparation (Per Acre)
2 tons limestone
600 lbs 0-20-20 worked to 3" depth
400 lbs 38-0-0 area form fertilizer
500 lbs 10-20-20
Seed used shall be predominately Kentucky 31 Tall Fescue @ 60 lbs/1 ac, applied to a firm moist seed bed. After seeding uniformly mulch these areas with unweathered small grain straw (preferably wheat) @ the rate of 1.5 tons/acre. After mulching use asphalt tie-down (Liquid asphalt) rapid-curing (ECT9, EC250 or RL800) applied @ 0.1 gal/sq. yd. Seeded areas to be watered as necessary until plant growth has been firmly established.
- Other sediment control measures may be necessary in addition to those outlined, if inspection so deems.
- All sediment control measures to be built according to Standards & Specifications for Soil Erosion and Sediment Control in Developing Areas.

Reviewed for Howard S.C.D. and meets Technical Requirements.
Eric K. Herman 10/22/76
Signature Date
U.S. Soil Conservation Service

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.
Robert W. Zelman 11/22/76
Approved Date:
Howard S.C.D.



Silt trap design data
Silt trap #1 3.8 AC. drainage area
254 cu yd storage required, 259 cu yd provided
Silt trap #2
3.7 AC. drainage area,
252 cu yd storage required, 259 cu yd provided
Both silt trap to be cleaned out when silt reaches 1/2 depth of trap.

Legend & site Data.
▲ Stone Filter Berm
△ Silt Trap
□ Inlet Silt Trap
▣ Stabilized Const. Ent.
▭ Perimeter Dike
33 Act Area Sec. 1
3,058 cu yd MSHA #2 used
Soil type: Glenely-Chester Manor Assoc.
(Fill (Toe slope)
+ Roadway
(Cut: (Top slope)
950 L.F. of Earth Berm (RD.)

Note: A grading plan must be developed before any building permits can be issued.

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE: SEPT 29, 1976
RDC

- Schedule of Construction:
- Notify Howard County Bureau of Licenses, Inspections & Permits 24 hrs in advance of any construction start. Aug '76
 - Clearing & stripped topsoil Aug-Sept '76
 - Construction of perimeter dike, silt traps & stone silt filter in swale, temp stabilization Sept '76
 - Rough grading of roadways & construction of stone roadway filters across roadways as roads are graded to sub-grade Sept-Oct '76
 - Construction of utilities (Inlets 1 & 11 with outfall not to be constructed at this time) Nov '76-Feb '77
 - Placement of sub-base stone on roadways as utilities are constructed Nov '76-Mar '77
 - Stabilized disturbed areas (slopes, etc.) as said areas are brought to grade, within the planting season. Oct '76-April '77
 - Removal of silt traps, after all control buting areas are stabilized & construction of inlets 1 & 11 with outfall pipe & only with permission from Howard County April '77
 - Maintenance immediately following stabilization until growth is established.

Engineer's Certification
I certify that this plan for Erosion & Sediment Control represents a practical & workable plan based on my personal knowledge of the site conditions, and that it was prepared in accordance with the requirements of the Howard Co. Soil Conservation District.
Date: 6-29-76
MCA Engineering Corp.

Developer's Certification
I certify that all development and or construction will be done according to this plan of development & plan for Erosion & Sediment Control & I also authorize periodic on site inspection by the Howard Co. Soil Conservation Dist. or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Co. Soil Conservation District.
Date: 6-30-76
Signature of Developer
Colonial Corner Service Corporation

DEPARTMENT OF PUBLIC WORKS
Brawley W. McLeod 10/29/76
CHIEF, BUREAU OF HIGHWAYS DATE
OFFICE OF PLANNING AND ZONING
Robert P. Cline 11/3/76
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

| Rev/Date | Rev No. | Revision Description |
|--|---------------|----------------------|
| 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND | | |
| OWNER AND DEVELOPER: COLONIAL CORNER SERVICE CORPORATION BALTIMORE FEDERAL BUILDING 12 E. FAYETTE STREET BALTIMORE, MARYLAND 21202 | | |
| PROJECT AREA GLENMONT SECTION 1 AREA 1 | | |
| PROJECT TITLE SEDIMENT CONTROL PLAN | | |
| Scale: 1"=100' | DATE: 6-28-76 | |
| ENGINEER MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. TOWSON, MD. 21204 | | |
| Paul Lee Registered Engineer No. 4047 | | |