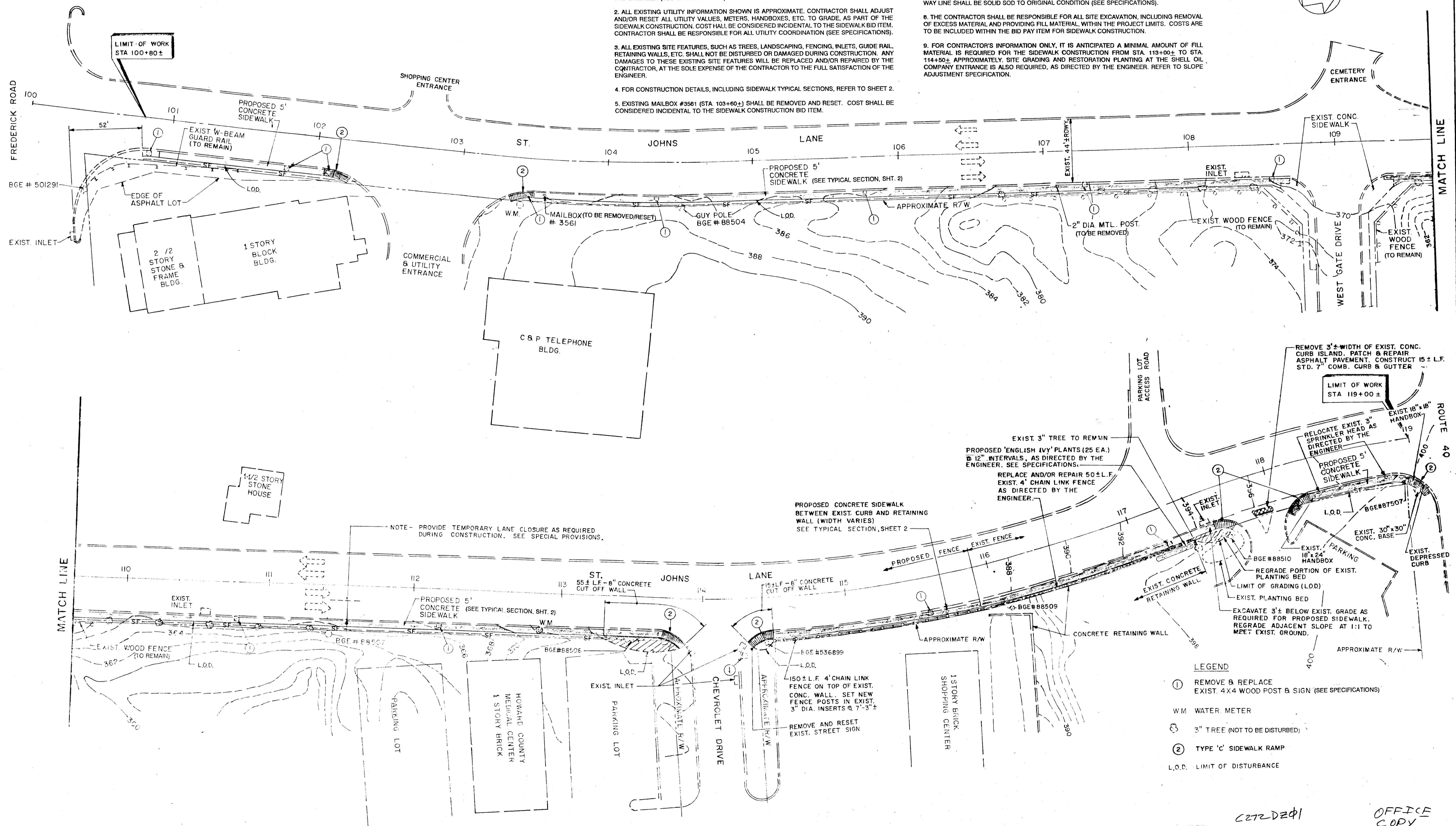


GENERAL CONSTRUCTION NOTES

1. ALL TOPOGRAPHY, SURVEY AND RIGHT-OF-WAY INFORMATION WAS OBTAINED FROM AS-BUILT CONSTRUCTION PLANS FOR ST. JOHN'S LANE (CAPITAL PROJECT J-4056, DATED 4/85) AND SHELL OIL COMPANY (SITE PLAN, DATED 12/93) AND VISUALLY VERIFIED. ALL INFORMATION AND ASSOCIATED QUANTITIES ARE TO BE CONSIDERED APPROXIMATE AND VERIFIED PRIOR TO ACTUAL CONSTRUCTION. CONTRACTOR SHALL FIELD STAKEOUT SIDEWALK LOCATIONS, AS DIRECTED BY THE ENGINEER (SEE SPECIFICATIONS).
2. ALL EXISTING UTILITY INFORMATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST AND/OR RESET ALL UTILITY VALUES, METERS, HANDBOXES, ETC. TO GRADE, AS PART OF THE SIDEWALK CONSTRUCTION. COST SHALL BE CONSIDERED INCIDENTAL TO THE SIDEWALK BID ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY COORDINATION (SEE SPECIFICATIONS).
3. ALL EXISTING SITE FEATURES, SUCH AS TREES, LANDSCAPING, FENCING, INLETS, GUIDE RAIL, RETAINING WALLS, ETC. SHALL NOT BE DISTURBED OR DAMAGED DURING CONSTRUCTION. ANY DAMAGES TO THESE EXISTING SITE FEATURES WILL BE REPLACED AND/OR REPAIRED BY THE CONTRACTOR, AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE FULL SATISFACTION OF THE ENGINEER.
4. FOR CONSTRUCTION DETAILS, INCLUDING SIDEWALK TYPICAL SECTIONS, REFER TO SHEET 2.
5. EXISTING MAILBOX #3561 (STA. 103+60±) SHALL BE REMOVED AND RESET. COST SHALL BE CONSIDERED INCIDENTAL TO THE SIDEWALK CONSTRUCTION BID ITEM.

6. EXISTING STREET SIGN (CHEVROLET DRIVE/ST. JOHN'S LANE) SHALL BE REMOVED AND RESET. SEE SPECIFICATIONS.
7. ALL AREAS FROM THE EDGE OF THE PROPOSED SIDEWALK TO THE RIGHT-OF-WAY LINE, SHALL BE TOPSOILED, (2-INCH MINIMUM) SEEDED AND MULCHED TO ORIGINAL CONDITION (SEE SPECIFICATIONS). ALL AREAS FOR THE PROPOSED CONCRETE CUT-OFF WALL TO THE RIGHT-OF-WAY LINE SHALL BE SOLID SOD TO ORIGINAL CONDITION (SEE SPECIFICATIONS).
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE EXCAVATION, INCLUDING REMOVAL OF EXCESS MATERIAL AND PROVIDING FILL MATERIAL, WITHIN THE PROJECT LIMITS. COSTS ARE TO BE INCLUDED WITHIN THE BID PAY ITEM FOR SIDEWALK CONSTRUCTION.
9. FOR CONTRACTOR'S INFORMATION ONLY, IT IS ANTICIPATED A MINIMAL AMOUNT OF FILL MATERIAL IS REQUIRED FOR THE SIDEWALK CONSTRUCTION FROM STA. 113+00± TO STA. 114+50± APPROXIMATELY. SITE GRADING AND RESTORATION PLANTING AT THE SHELL OIL COMPANY ENTRANCE IS ALSO REQUIRED, AS DIRECTED BY THE ENGINEER. REFER TO SLOPE ADJUSTMENT SPECIFICATION.



- LEGEND**
- ① REMOVE & REPLACE EXIST. 4X4 WOOD POST & SIGN (SEE SPECIFICATIONS)
  - WM WATER METER
  - ③ 3" TREE (NOT TO BE DISTURBED)
  - ② TYPE 'C' SIDEWALK RAMP
  - L.O.D. LIMIT OF DISTURBANCE

SCALE: 1" = 30'

C272DZ01 OFFICE COPY

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

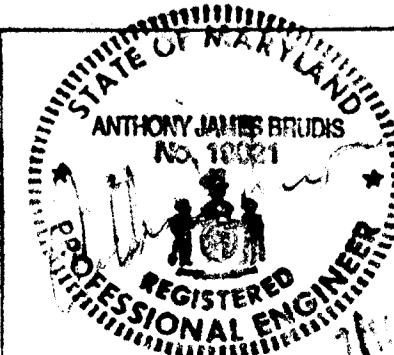
*James J. ...* 7/22/96  
DIRECTOR OF PUBLIC WORKS DATE

*Robert J. ...* 7/22/96  
CHIEF ENGINEER DATE

*Andrew M. ...* 7-20-96  
DATE

BRUDIS & ASSOCIATES, INC.  
Consulting Engineers

9220 Rumsey Road, Suite 210  
Columbia, Maryland 21045  
(410) 884-3607



DES: T.E.M.					
DRN: P.S.M.					
CHK: A.J.B.					
DATE: 7-19-96					
EY	NC	REVISION	DATE	600' SCALE MAP NO.	BLOCK NO.

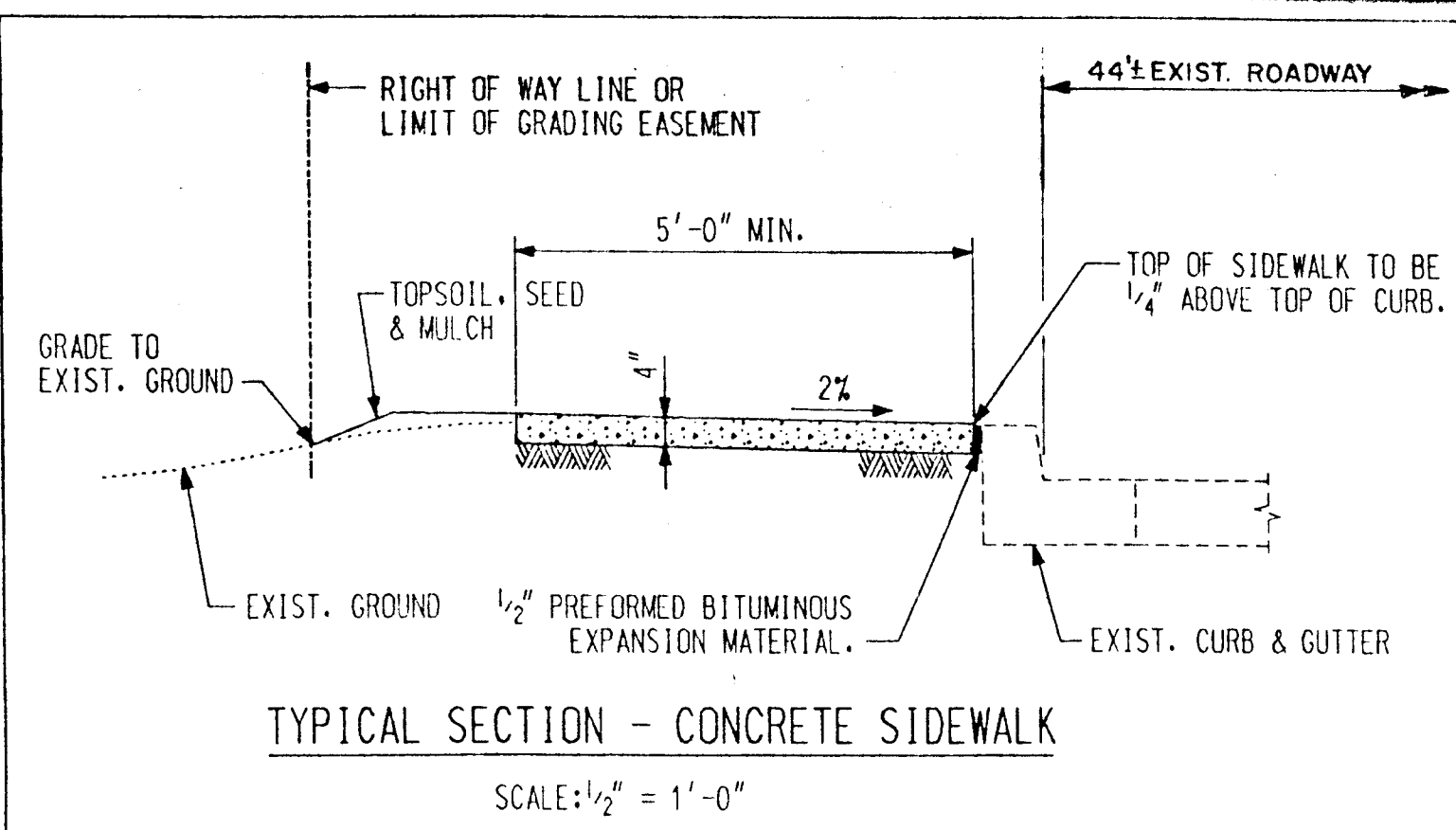
St. John's Lane Sidewalk Improvements

**GENERAL PLAN**

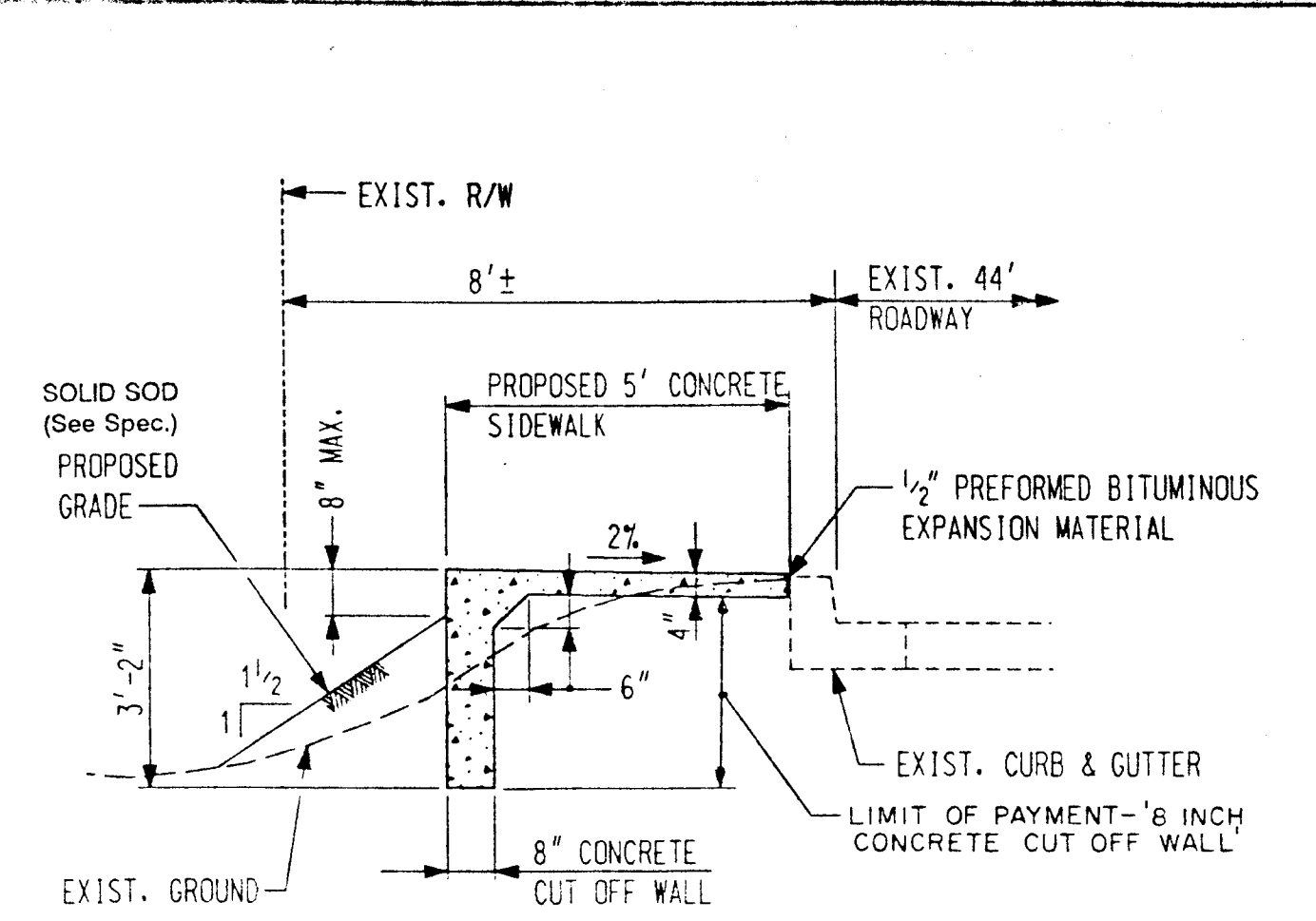
Capital Project K-5020

SCALE AS SHOWN

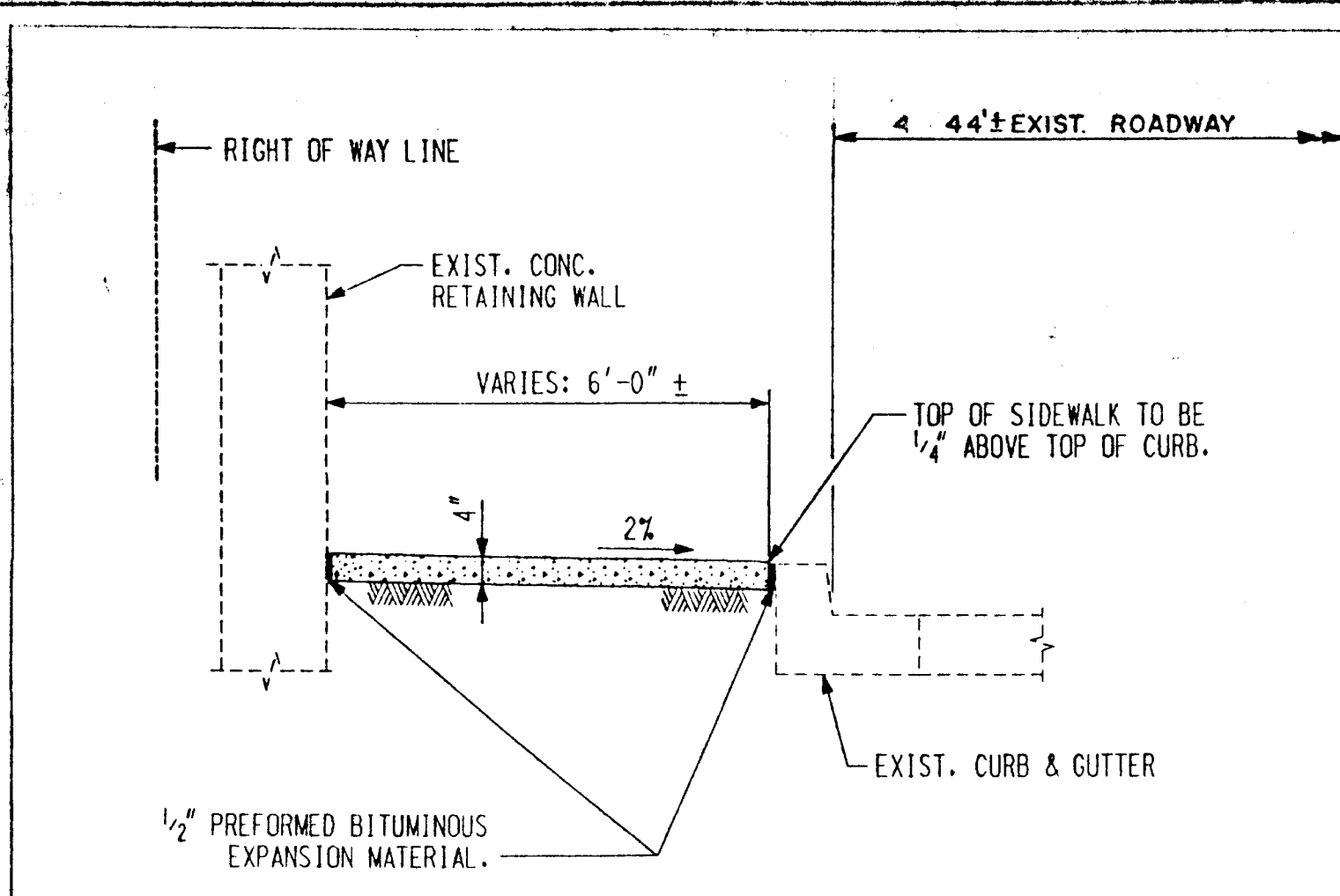
SHEET 1 OF 2



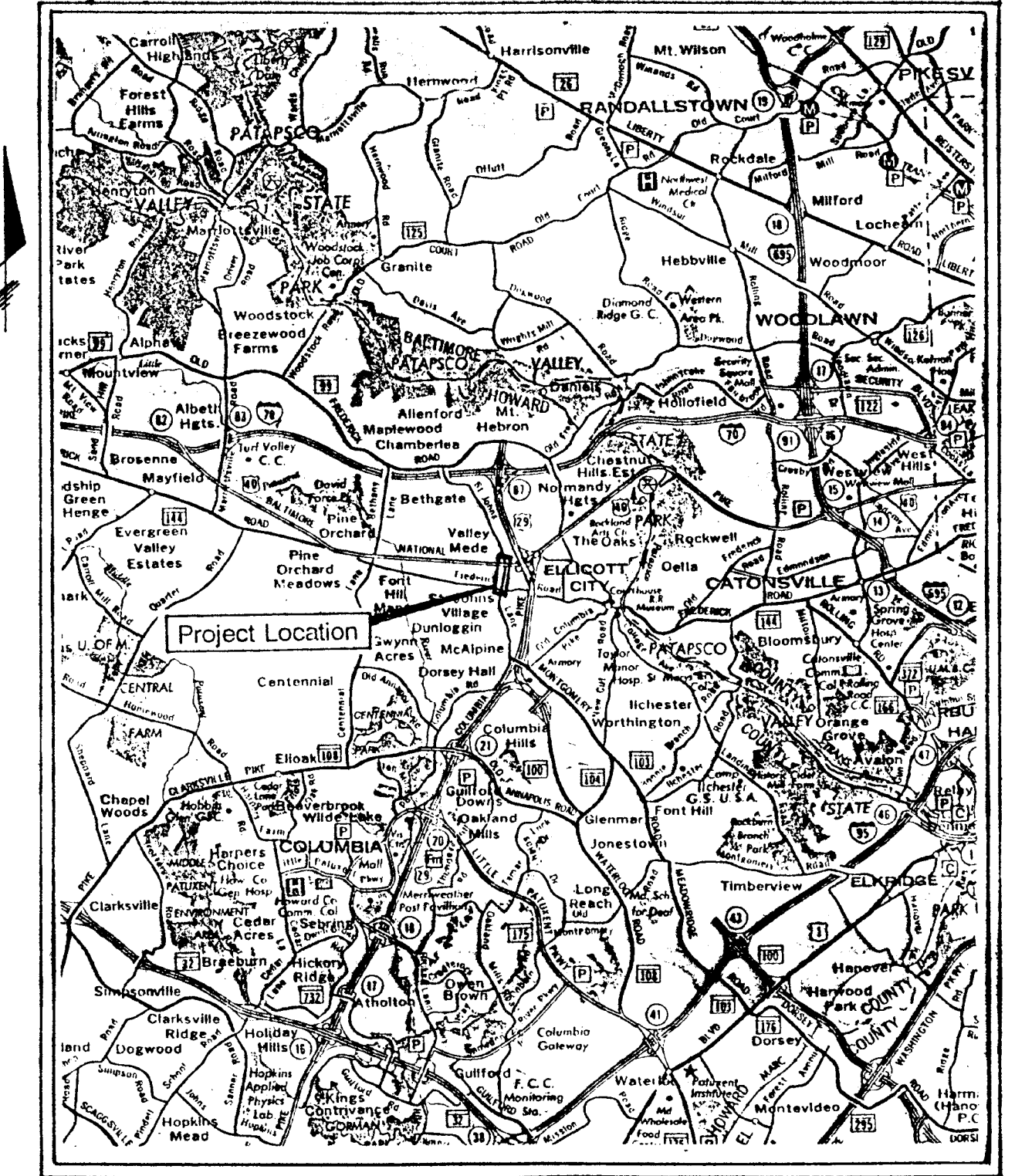
- NOTES:
1. SIDEWALK TO BE SCRIBED IN 5'-0" MAXIMUM SQUARES.
  2. EXPANSION JOINT SPACING NOT TO EXCEED 15'.
  3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE SET 1/4" BELOW SURFACE OF SIDEWALK.
  4. CONCRETE TO BE MIX NO. 2
  5. WHEN SIDEWALK ABUTS CURB, TOP OF SIDEWALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB.
  6. ON LONGITUDINAL SIDEWALK GRADES OF 5% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 45 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.
  7. SIDEWALK WIDTH ADJACENT TO CURB SHALL BE 5'-0" MINIMUM EXCEPT SIDEWALK ADJACENT TO RETAINING WALLS SHALL BE CONSTRUCTED THE FULL WIDTH BETWEEN CURB AND WALL.



TYPICAL SECTION 8 INCH CONCRETE CUT OFF WALL  
SCALE: 1/8" = 1'-0"



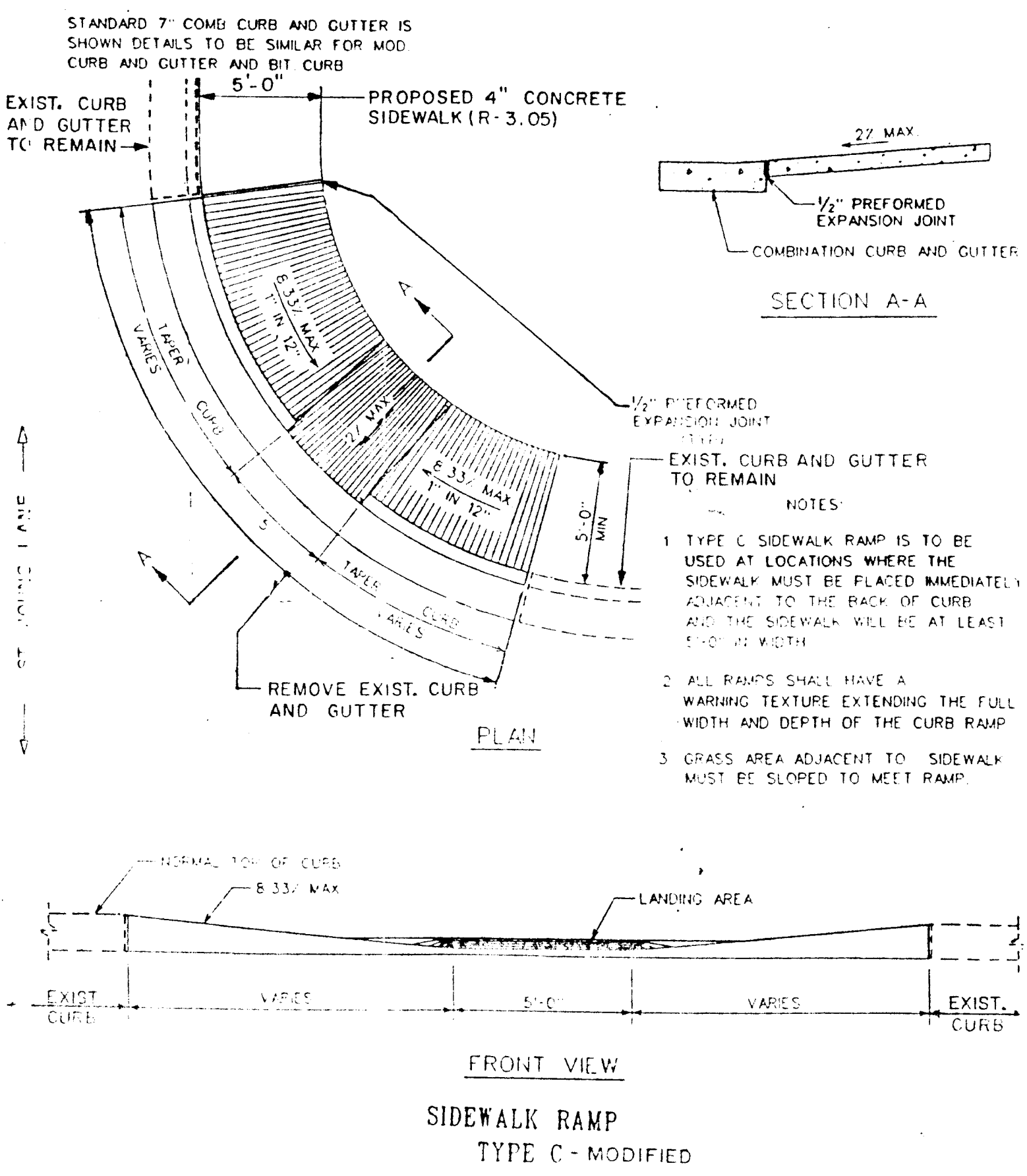
TYPICAL SECTION - CONCRETE SIDEWALK AT RETAINING WALL  
SCALE: 1/2" = 1'-0"



LOCATION MAP  
Scale 1 Inch = 2.2 Miles

- HOWARD SOIL CONSERVATION DISTRICT  
STANDARD STATEMENT CHECKLIST NOTES:
- 1) A minimum of 48 hours notice must be given to the Howard County Department of Inspection, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313-1855).
  - 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "HOWARD STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
  - 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 5:1, b) 14 days as to all other disturbed or graded areas on the project site.
  - 4) All sediment traps/basins shall be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
  - 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1993 HOWARD STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 51), and (Sec. 54), temporary seeding (Sec. 58) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
  - 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
  - 7) Site Analysis:  
Total Area of Site: 0.17 Acres  
Area Disturbed: 0.17 Acres  
Area to be roofed or paved: 0.17 Acres  
Area to be vegetatively stabilized: 0 Acres  
Total Cut: 95 Cu. Yds.  
Total Fill: 20 Cu. Yds.  
Offsite waste/harrow area location: AT A SITE WITH AN ACTIVE GRADING PERMIT, SELECTED BY THE CONTRACTOR.
  - 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
  - 9) Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
  - 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
  - 11) Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

- SEQUENCE OF CONSTRUCTION
1. OBTAIN GRADING PERMIT.
  2. CONTRACTOR SHALL ATTEND THE EROSION AND SEDIMENT CONTROL FIELD MEETING AS SCHEDULED BY THE ENGINEER.
  3. NOTIFY SEDIMENT CONTROL INSPECTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
  4. INSTALL TRAFFIC CONSTRUCTION SIGNS.
  5. INSTALL SEDIMENT CONTROL DEVICES.
  6. EXCAVATE AND CONSTRUCT SIDEWALK, ETC.
  7. STABILIZE ALL DISTURBED AREAS.
  8. UPON APPROVAL FROM SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES.
  9. STABILIZE ALL AREAS DISTURBED AS A RESULT OF ITEM B.
  10. REMOVE TRAFFIC CONSTRUCTION SIGNS.



DETAIL 22 - SILT FENCE

CONSTRUCTION SPECIFICATIONS

1. Fence posts shall be a minimum of 3/4" dia. x 16' minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square minimum cut, or 1 1/2" diameter minimum round and shall be of sound quality hardwood. Steel posts will be standard 1 or 2 section galvanized pipe with 1.60 gpd per linear foot.
2. Gate shall be constructed in accordance with the following requirements: a) Gate shall be constructed of 2" x 4" lumber with 1/2" wire mesh. b) Gate shall be constructed of 2" x 4" lumber with 1/2" wire mesh and 1/2" x 1/2" mesh fabric. c) Gate shall be constructed of 2" x 4" lumber with 1/2" wire mesh and 1/2" x 1/2" mesh fabric and 1/2" x 1/2" mesh fabric.
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt fence shall be inspected after each rainfall event and maintained when buildup occurs or when sediment accumulation reaches 50% of the fence height.

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

SECTION A-A

- NOTES:
1. TYPE C SIDEWALK RAMP IS TO BE USED AT LOCATIONS WHERE THE SIDEWALK MUST BE PLACED IMMEDIATELY ADJACENT TO THE BACK OF CURB AND THE SIDEWALK WILL BE AT LEAST 4" WIDE.
  2. ALL RAMPS SHALL HAVE A WARNING TEXTURE EXTENDING THE FULL WIDTH AND DEPTH OF THE CURB RAMP.
  3. GRASS AREA ADJACENT TO SIDEWALK MUST BE SLOPED TO MEET RAMP.

FRONT VIEW  
SIDEWALK RAMP  
TYPE C - MODIFIED

CERTIFICATION BY OWNER/DEVELOPER

"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

*Paul D. Sepp*  
SIGNATURE OF OWNER/DEVELOPER

7/22/06  
DATE

CERTIFICATION BY THE ENGINEER

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

*Tony Pro*  
SIGNATURE OF ENGINEER

1/18/06  
DATE

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

APPROVED *John R. Roberts* DATE 7/23/06  
HOWARD S.C.D.

REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL REQUIREMENTS

*J. H. Wainfield* DATE 7/23/06  
SIGNATURE U.S. NATURAL RESOURCES CONSERVATION SERVICE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Paul D. Sepp* 7/22/06  
DIRECTOR OF PUBLIC WORKS DATE

*Paul D. Sepp* 7/22/06  
CHIEF, BUREAU OF ENGINEERING DATE

BRUDIS & ASSOCIATES, INC.  
Consulting Engineers

9220 Rumsey Road, Suite 210  
Columbia, Maryland 21045  
(410) 864-3607

ANTHONY JAMES BRUDIS  
No. 19021  
REGISTERED PROFESSIONAL ENGINEER

DES: T.E.M.					
DRN: T.E.M.					
CHK: A.J.B.					
DATE: 7-19-06	BY: NC	REVISION:		DATE: 600 SCALE MAP NO.	BLOCK NO.

St. John's Lane Sidewalk Improvements

TYPICAL DETAILS/SITE LOCATION

SCALE AS SHOWN

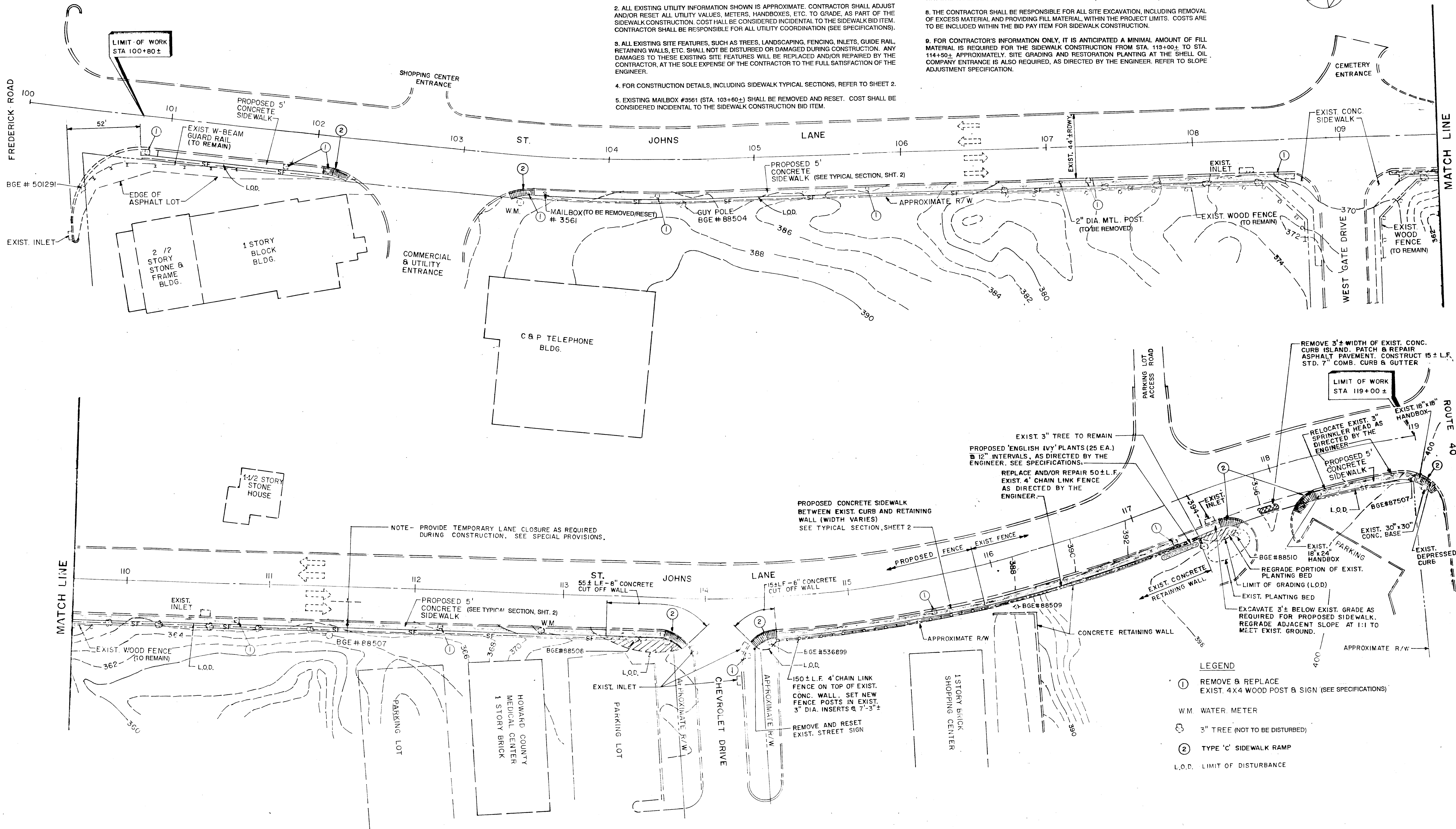
SHEET 2 OF 2

Capital Project K-5020

GENERAL CONSTRUCTION NOTES

1. ALL TOPOGRAPHY, SURVEY AND RIGHT-OF-WAY INFORMATION WAS OBTAINED FROM AS-BUILT CONSTRUCTION PLANS FOR ST. JOHN'S LANE (CAPITAL PROJECT J-4056, DATED 4/85) AND SHELL OIL COMPANY (SITE PLAN, DATED 12/93) AND VISUALLY VERIFIED. ALL INFORMATION AND ASSOCIATED QUANTITIES ARE TO BE CONSIDERED APPROXIMATE AND VERIFIED PRIOR TO ACTUAL CONSTRUCTION. CONTRACTOR SHALL FIELD STAKEOUT SIDEWALK LOCATIONS, AS DIRECTED BY THE ENGINEER (SEE SPECIFICATIONS).
2. ALL EXISTING UTILITY INFORMATION SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST AND/OR RESET ALL UTILITY VALUES, METERS, HANDBOXES, ETC. TO GRADE, AS PART OF THE SIDEWALK CONSTRUCTION. COST SHALL BE CONSIDERED INCIDENTAL TO THE SIDEWALK BID ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY COORDINATION (SEE SPECIFICATIONS).
3. ALL EXISTING SITE FEATURES, SUCH AS TREES, LANDSCAPING, FENCING, INLETS, GUIDE RAIL, RETAINING WALLS, ETC. SHALL NOT BE DISTURBED OR DAMAGED DURING CONSTRUCTION. ANY DAMAGES TO THESE EXISTING SITE FEATURES WILL BE REPLACED AND/OR REPAIRED BY THE CONTRACTOR, AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE FULL SATISFACTION OF THE ENGINEER.
4. FOR CONSTRUCTION DETAILS, INCLUDING SIDEWALK TYPICAL SECTIONS, REFER TO SHEET 2.
5. EXISTING MAILBOX #3561 (STA. 103+60±) SHALL BE REMOVED AND RESET. COST SHALL BE CONSIDERED INCIDENTAL TO THE SIDEWALK CONSTRUCTION BID ITEM.

6. EXISTING STREET SIGN (CHEVROLET DRIVE/ST. JOHN'S LANE) SHALL BE REMOVED AND RESET, SEE SPECIFICATIONS.
7. ALL AREAS FROM THE EDGE OF THE PROPOSED SIDEWALK TO THE RIGHT-OF-WAY LINE, SHALL BE TOPSOILED, (2-INCH MINIMUM) SEEDED AND MULCHED TO ORIGINAL CONDITION (SEE SPECIFICATIONS). ALL AREAS FOR THE PROPOSED CONCRETE CUT-OFF WALL TO THE RIGHT-OF-WAY LINE SHALL BE SOLID SOD TO ORIGINAL CONDITION (SEE SPECIFICATIONS).
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE EXCAVATION, INCLUDING REMOVAL OF EXCESS MATERIAL AND PROVIDING FILL MATERIAL, WITHIN THE PROJECT LIMITS. COSTS ARE TO BE INCLUDED WITHIN THE BID PAY ITEM FOR SIDEWALK CONSTRUCTION.
9. FOR CONTRACTOR'S INFORMATION ONLY, IT IS ANTICIPATED A MINIMAL AMOUNT OF FILL MATERIAL IS REQUIRED FOR THE SIDEWALK CONSTRUCTION FROM STA. 113+00± TO STA. 114+50± APPROXIMATELY. SITE GRADING AND RESTORATION PLANTING AT THE SHELL OIL COMPANY ENTRANCE IS ALSO REQUIRED, AS DIRECTED BY THE ENGINEER. REFER TO SLOPE ADJUSTMENT SPECIFICATION.



- LEGEND**
- ① REMOVE & REPLACE EXIST. 4X4 WOOD POST & SIGN (SEE SPECIFICATIONS)
  - W.M. WATER METER
  - ③ 3" TREE (NOT TO BE DISTURBED)
  - ② TYPE 'C' SIDEWALK RAMP
  - L.O.D. LIMIT OF DISTURBANCE

SCALE: 1" = 30'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James J. ...* 7/20/96  
DIRECTOR OF PUBLIC WORKS DATE

*Richard J. ...* 7/22/96  
CHIEF ENGINEER DATE

*Andrew ...* 7-26-96  
CHIEF SUPERVISOR DATE

BRUDIS & ASSOCIATES, INC.  
Consulting Engineers

9220 Rumsey Road; Suite 210  
Columbia, Maryland 21045  
(410) 884-3607



DES: T.E.M.	
DRN: P.S.M.	
CHK: A.J.B.	
DATE: 7-19-96	
REV. NO.	DATE

600' SCALE MAP NO. \_\_\_\_\_ BLOCK NO. \_\_\_\_\_

St. John's Lane Sidewalk Improvements

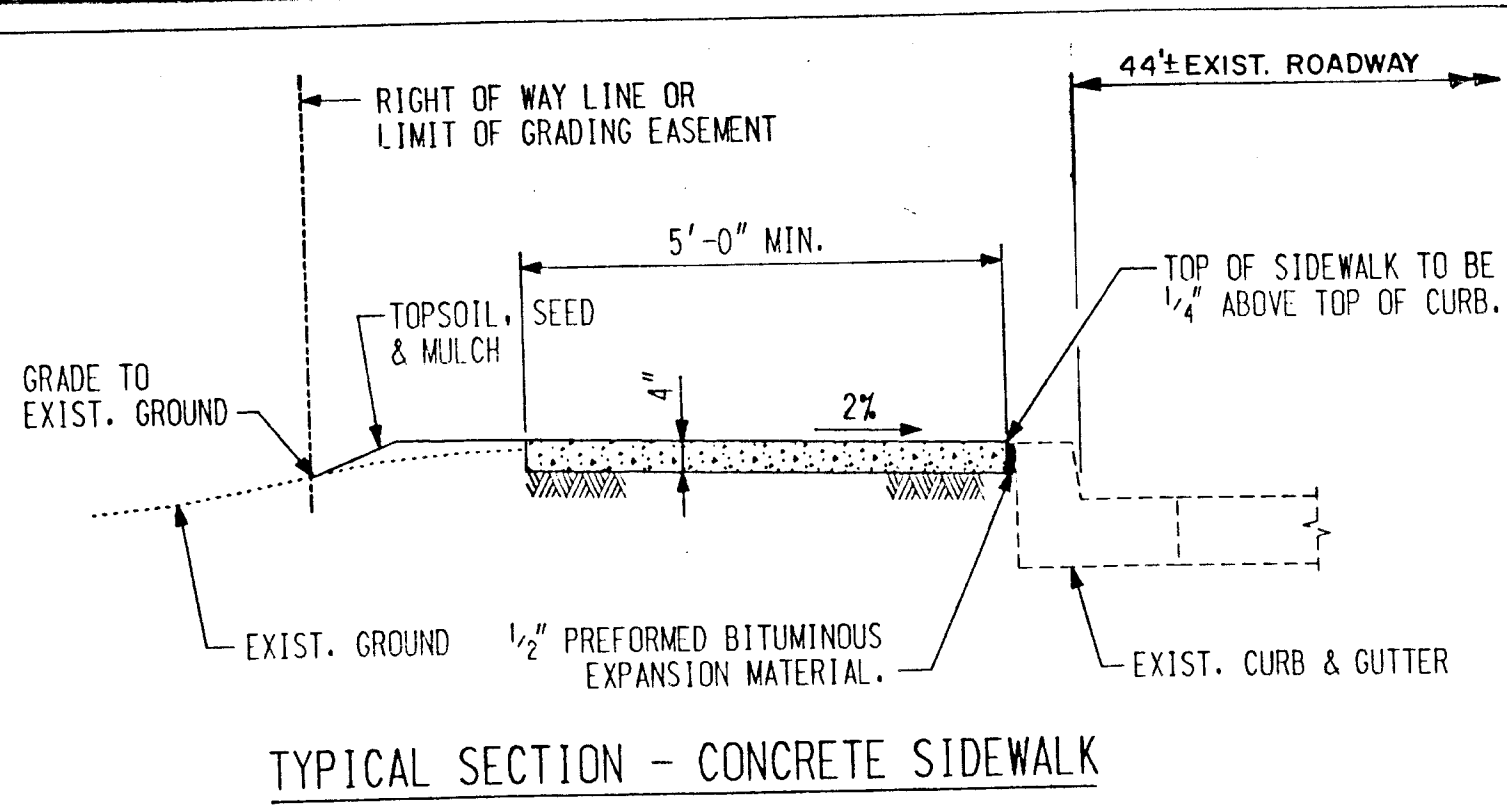
**GENERAL PLAN**

Capital Project K-5020

SCALE AS SHOWN

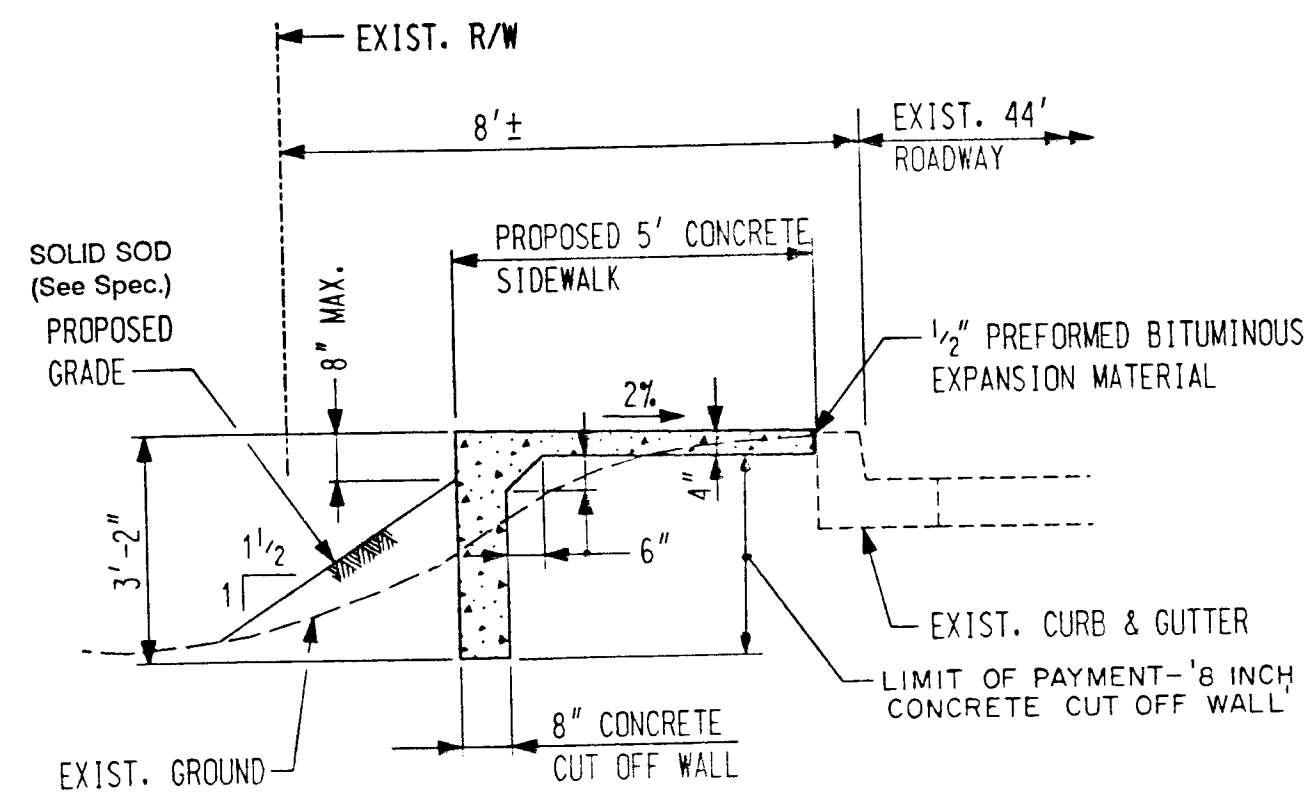
SHEET 1 OF 2

C 272 e 291  
K0272-01



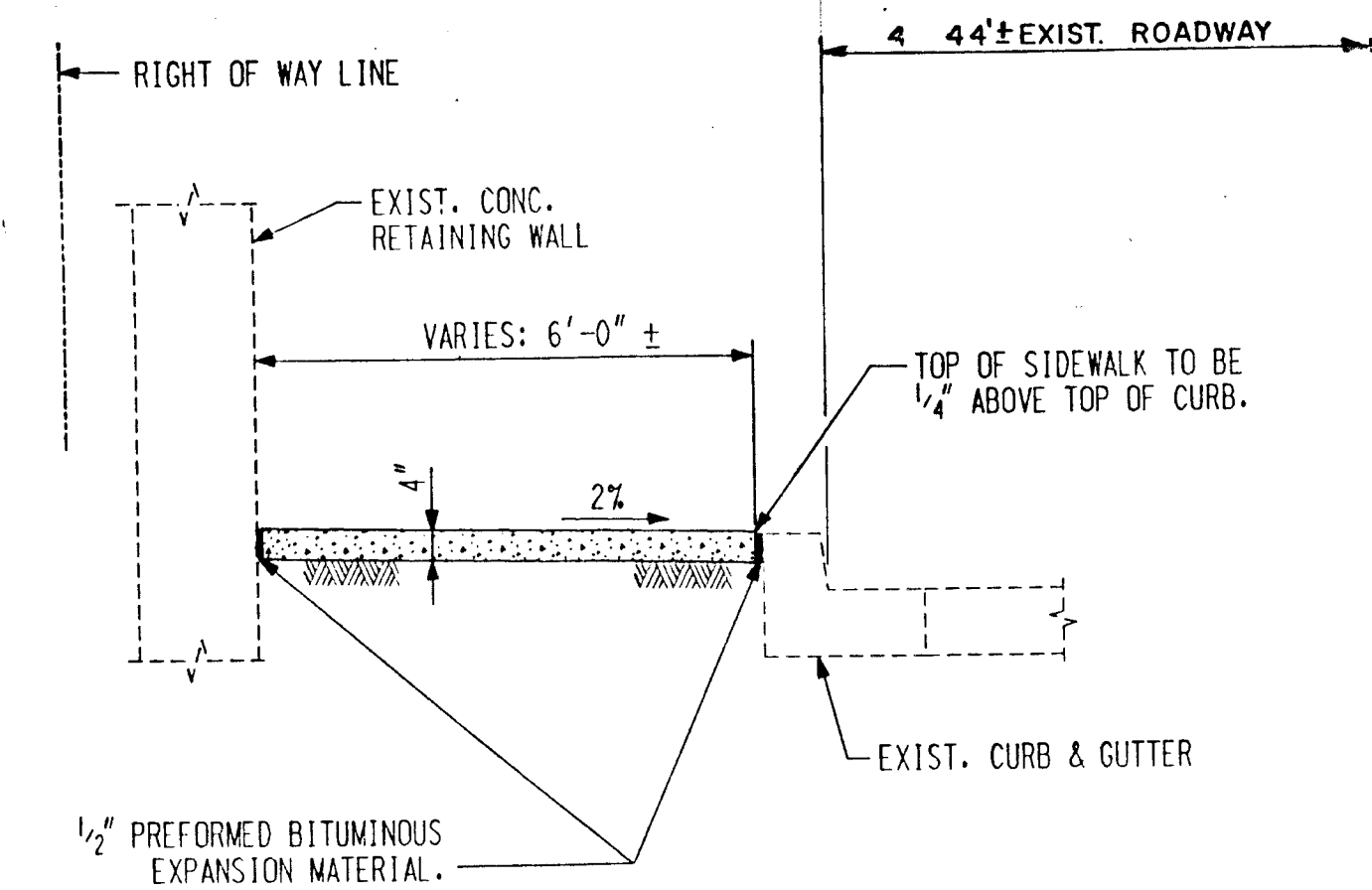
NOTES:

1. SIDEWALK TO BE SCRIBED IN 5'-0" MAXIMUM SQUARES.
2. EXPANSION JOINT SPACING NOT TO EXCEED 15'.
3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE SET 1/4" BELOW SURFACE OF SIDEWALK.
4. CONCRETE TO BE MIX NO. 2
5. WHEN SIDEWALK ABUTS CURB, TOP OF SIDEWALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB.
6. ON LONGITUDINAL SIDEWALK GRADES OF 5% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 45 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.
7. SIDEWALK WIDTH ADJACENT TO CURB SHALL BE 5'-0" MINIMUM EXCEPT SIDEWALK ADJACENT TO RETAINING WALLS SHALL BE CONSTRUCTED THE FULL WIDTH BETWEEN CURB AND WALL.



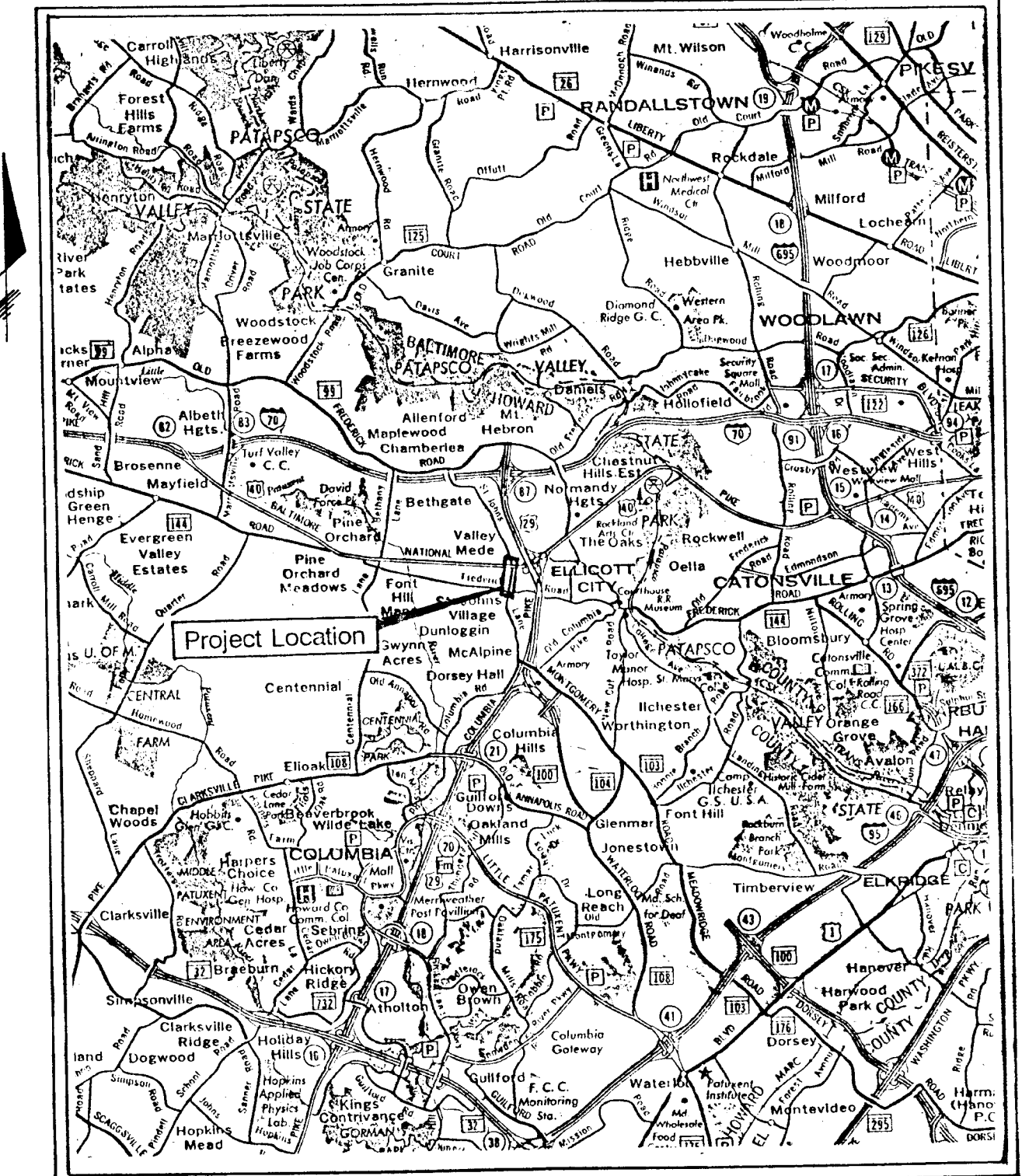
TYPICAL SECTION 8 INCH CONCRETE CUT OFF WALL

SCALE: 1/2" = 1'-0"



TYPICAL SECTION - CONCRETE SIDEWALK AT RETAINING WALL

SCALE: 1/2" = 1'-0"

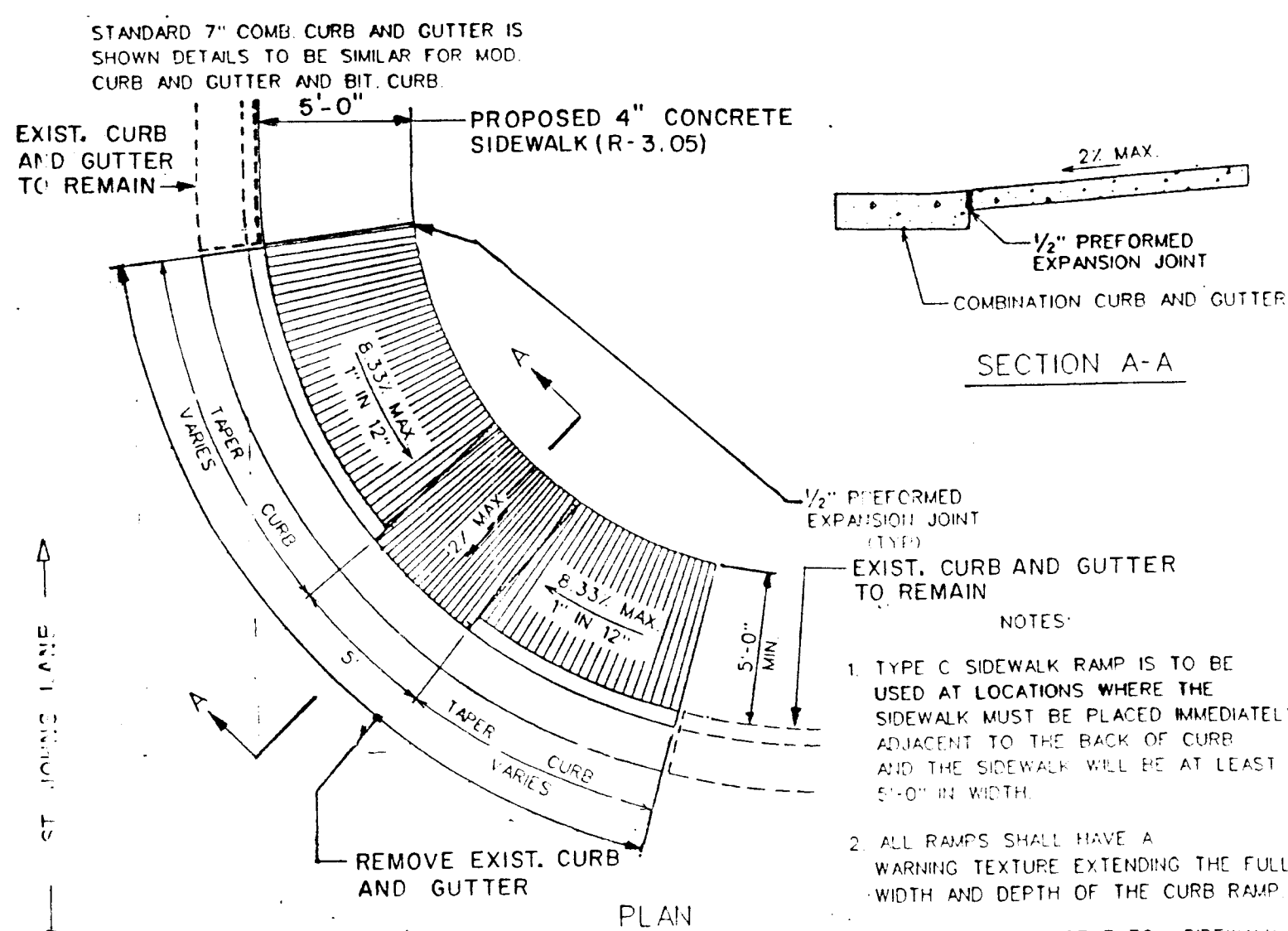


LOCATION MAP  
Scale 1 Inch = 2.2 Miles

- HOWARD SOIL CONSERVATION DISTRICT  
PERMANENT SEEDING NOTES
1. A minimum of 48 hours notice must be given to the Howard County Department of Inspection, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313-1855).
  2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
  3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
  4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
  5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
  6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
  7. Site Analysis:  
Total Area of Site: 0.17 Acres  
Area Disturbed: 0.17 Acres  
Area to be roofed or paved: 0.17 Acres  
Area to be vegetatively stabilized: 0 Acres  
Total Cut: 95 Cu. Yds.  
Total Fill: 0 Cu. Yds.  
Offsite waste/hazard area location: AT A SITE WITH AN ACTIVE GRADING PERMIT, SELECTED BY THE CONTRACTOR.
  8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
  9. Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
  10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
  11. Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

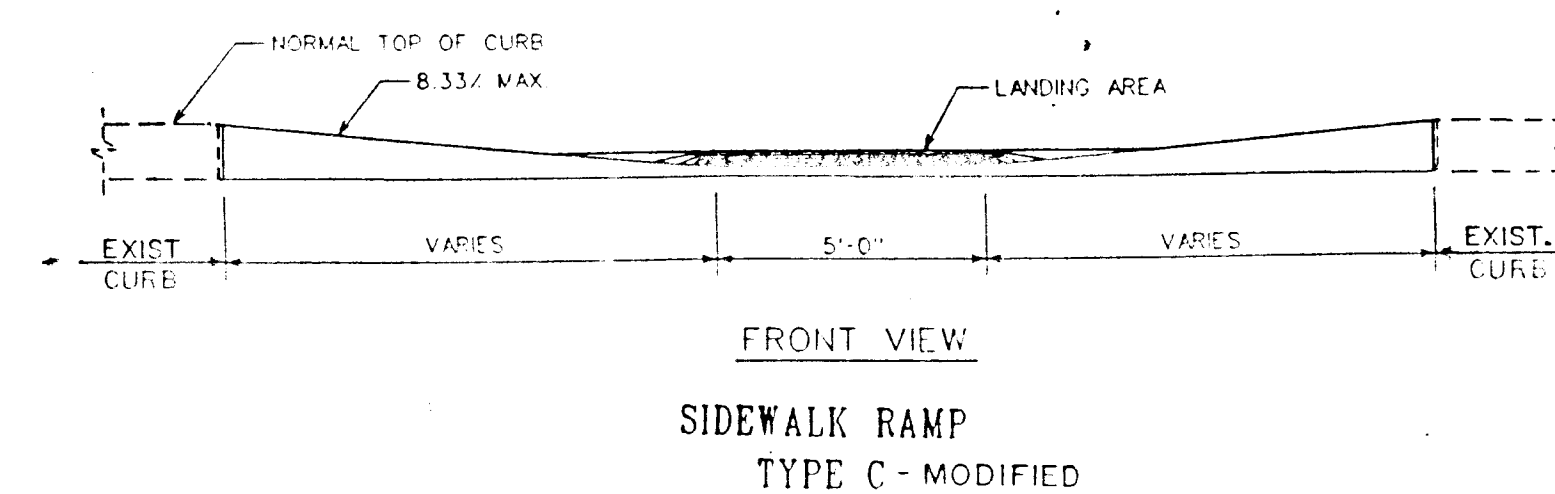
SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. CONTRACTOR SHALL ATTEND THE EROSION AND SEDIMENT CONTROL FIELD MEETING AS SCHEDULED BY THE ENGINEER.
3. NOTIFY SEDIMENT CONTROL INSPECTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
4. INSTALL TRAFFIC CONSTRUCTION SIGNS.
5. INSTALL SEDIMENT CONTROL DEVICES.
6. EXCAVATE AND CONSTRUCT SIDEWALK ETC.
7. STABILIZE ALL DISTURBED AREAS.
8. UPON APPROVAL FROM SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES.
9. STABILIZE ALL AREAS DISTURBED AS A RESULT OF ITEM 8.
10. REMOVE TRAFFIC CONSTRUCTION SIGNS.

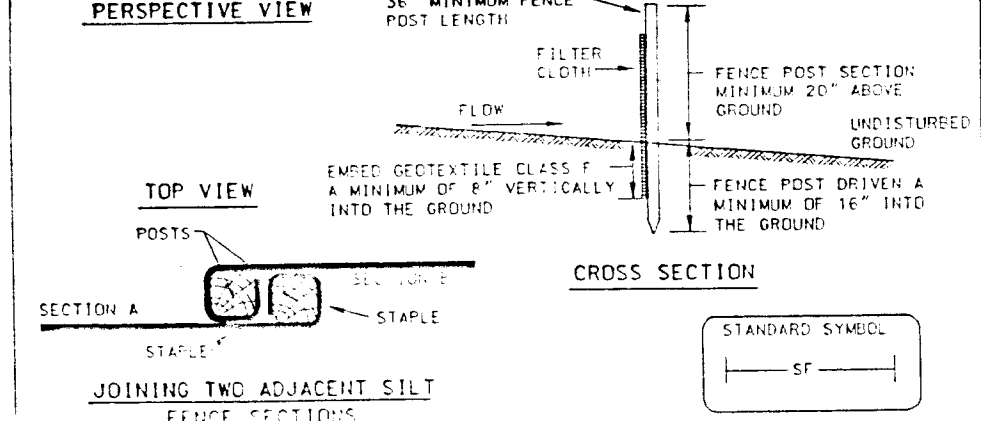
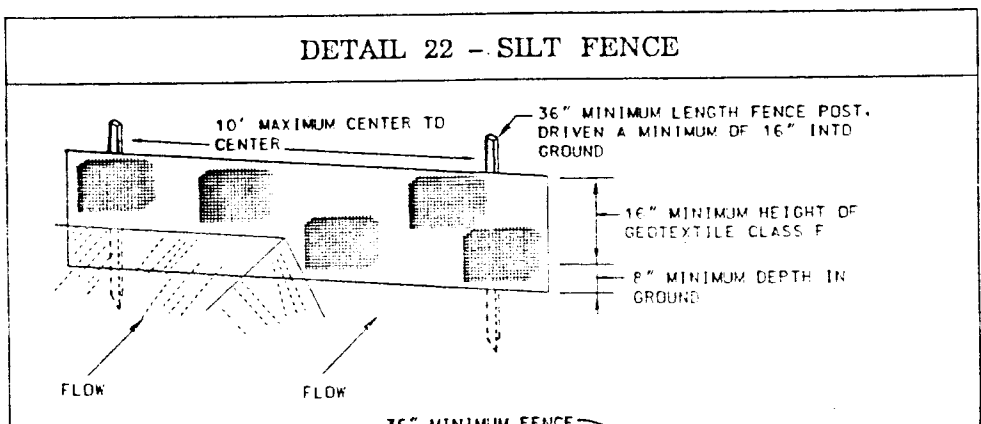


SECTION A-A

- NOTES:
1. TYPE C SIDEWALK RAMP IS TO BE USED AT LOCATIONS WHERE THE SIDEWALK MUST BE PLACED IMMEDIATELY ADJACENT TO THE BACK OF CURB AND THE SIDEWALK WILL BE AT LEAST 5'-0" IN WIDTH.
  2. ALL RAMPS SHALL HAVE A WARNING TEXTURE EXTENDING THE FULL WIDTH AND DEPTH OF THE CURB RAMP.
  3. GRASS AREA ADJACENT TO SIDEWALK MUST BE SLOPED TO MEET RAMP.



FRONT VIEW  
SIDEWALK RAMP  
TYPE C - MODIFIED



- Construction Specifications
1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" square minimum cut, or 1 1/2" diameter minimum round and shall be of sound quality hardwood. Steel posts will be standard 1" or U section, weighing not less than 1.00 pound per linear foot.
  2. Geotextile shall be fastened securely to each fence post with wire ties or stakes at top and mid-section and shall meet the following requirements for Geotextile Class F:  
Tensile Strength: 50 lbs/ft (min.) Test: MMT 509  
Tensile Modulus: 25 lbs/ft (min.) Test: MMT 509  
Flow Rate: 6.0 gal/4 1/2" minute (max.) Test: MMT 322  
Filtering Efficiency: 75% (min.)
  3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
  4. Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

CERTIFICATION BY OWNER/DEVELOPER

"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

*Paul D. Sporn* 7/22/96  
SIGNATURE OF OWNER/DEVELOPER DATE

CERTIFICATION BY THE ENGINEER

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

*Tom P. [Signature]* 7/18/96  
SIGNATURE OF ENGINEER DATE

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

*John R. Robison* 7/23/96  
APPROVED HOWARD S.C.D.

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
*J. H. Wardlaw* 7/23/96  
SIGNATURE U.S. NATURAL RESOURCES CONSERVATION SERVICE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Paul D. Sporn* 7/22/96  
DIRECTOR OF PUBLIC WORKS DATE

*Christopher M. [Signature]* 7/22/96  
DATE

BRUDIS & ASSOCIATES, INC.  
Consulting Engineers

9220 Rumsey Road; Suite 210  
Columbia, Maryland 21045  
(410) 864-3607

REGISTERED PROFESSIONAL ENGINEER  
No. 10281

DES: T.E.M.				
DRN: T.E.M.				
CHK: A.J.B.				
DATE: 7-19-96	BY: [Signature]	REVISION:	DATE:	600' SCALE MAP NO. ELOOP NO.

St. John's Lane Sidewalk Improvements

TYPICAL DETAILS/SITE LOCATION

Capital Project K-5020

SCALE AS SHOWN

SHEET 2 OF 2

K0272-02