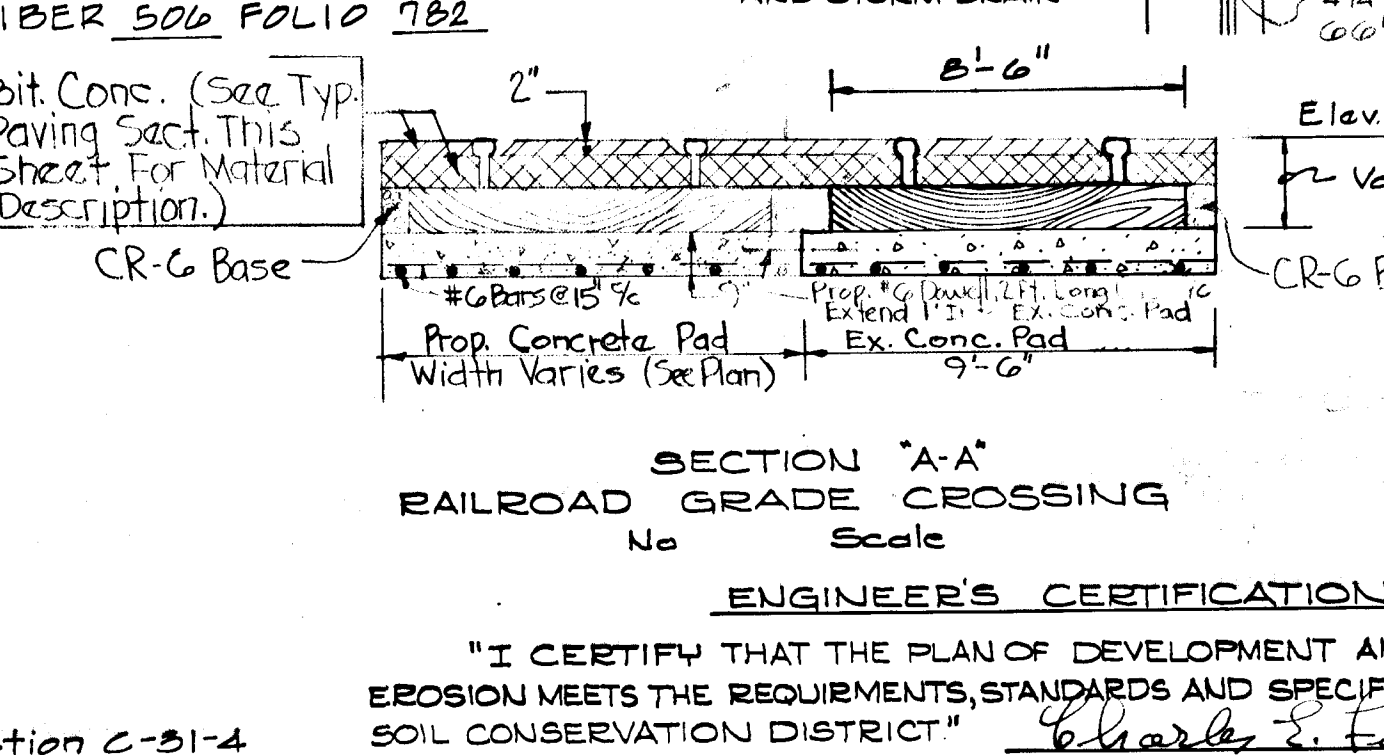
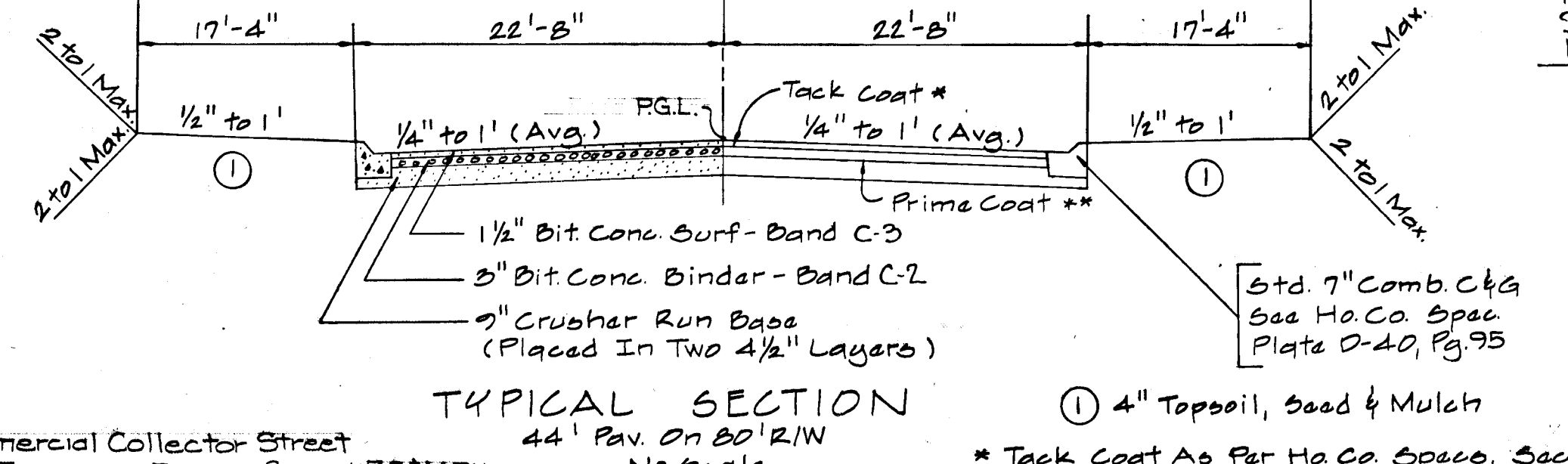
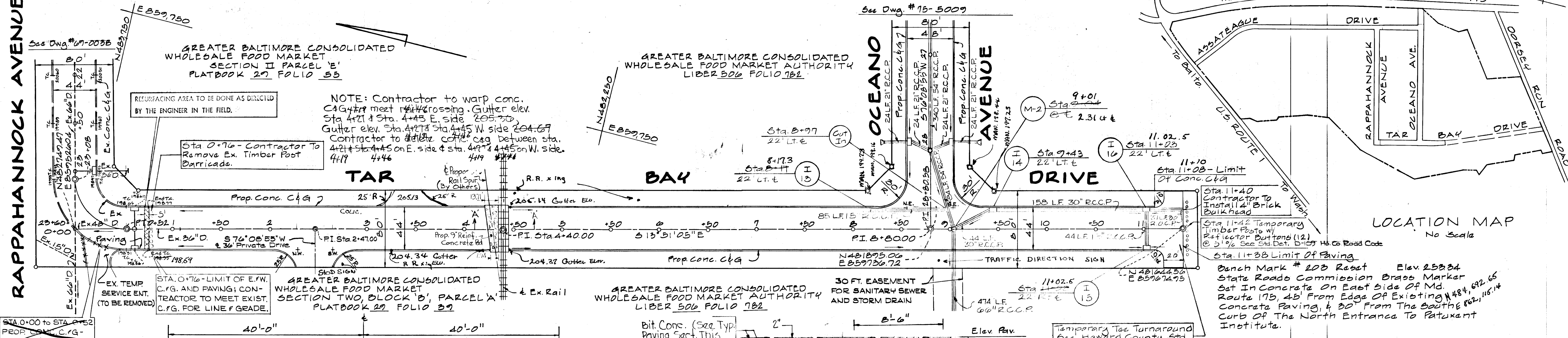
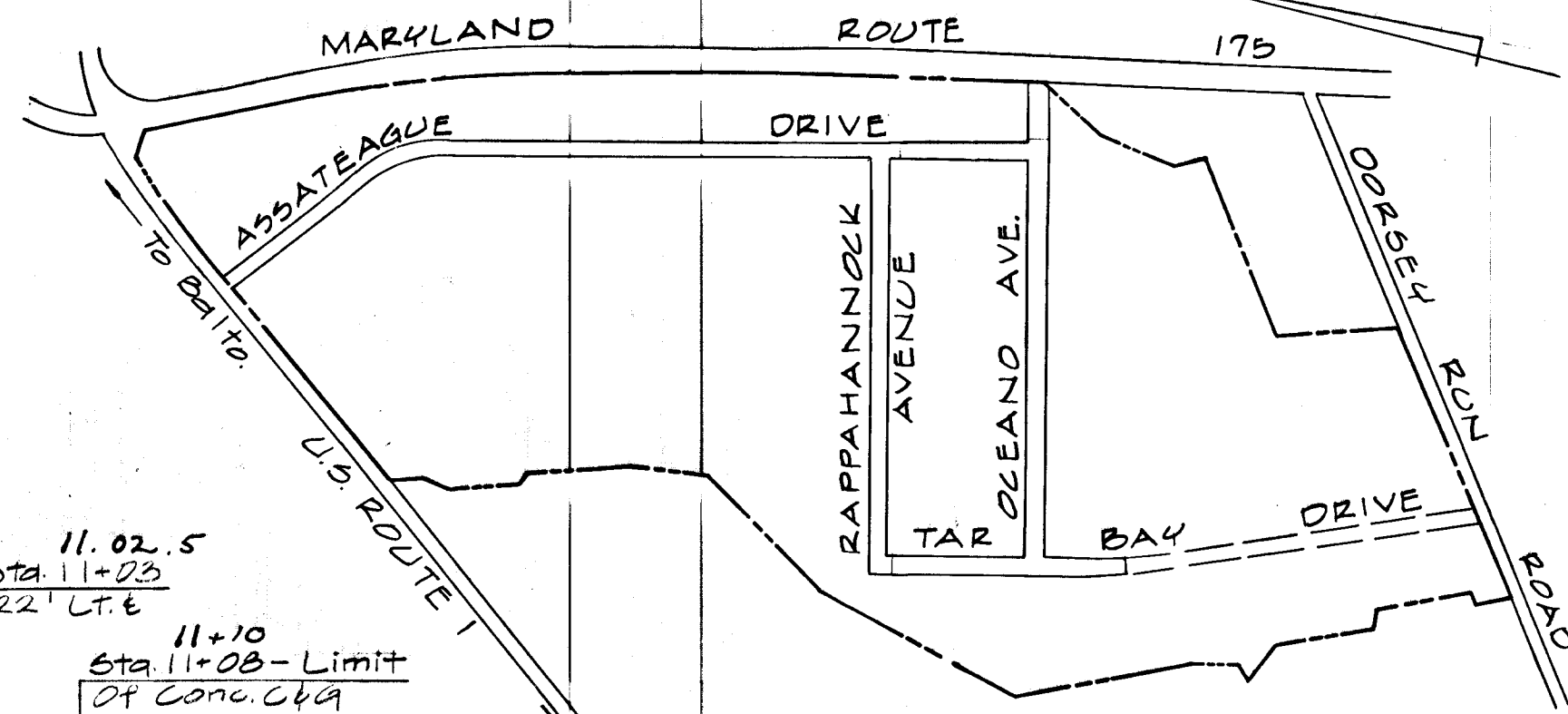
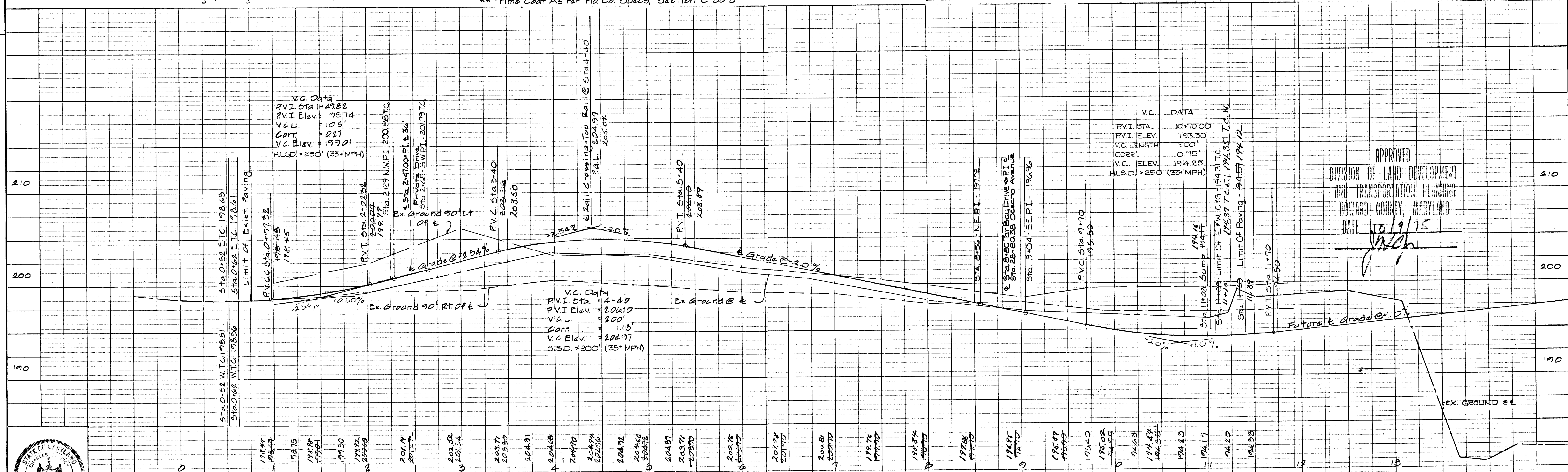


RAPPAHANNOCK AVENUE



DEVELOPER'S CERTIFICATION and ENGINEER'S CERTIFICATION text blocks.

Reference Drawings and approval signatures for the project.



Professional stamps, department information, and project details including 'TAR BAY DRIVE' and 'HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS'.

This Development Plan is Approved For Soil Erosion And Sediment Control By The Howard Soil Conservation District.

Reviewed Eric H. Heasman, Assoc.
Dist. Conservationist
Date: 12/17/75

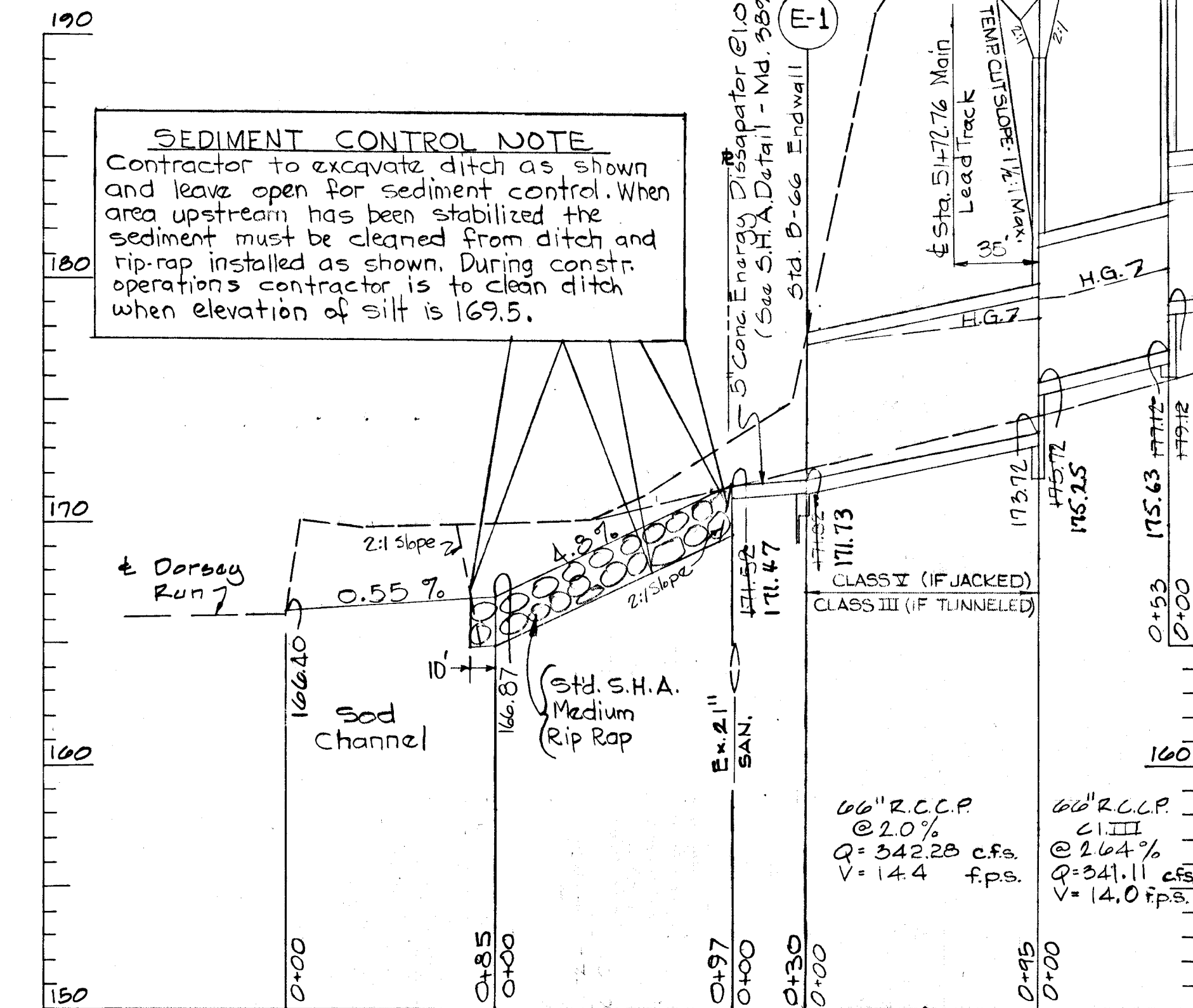
Approved Robert Zedler
Howard Soil Conservation District
Date: 12/17/75

NOTE: CONTRACTOR TO FURNISH BID PRICE AS ALTERNATE TO JACKING OPERATION. PRICE BID SHALL INCLUDE TUNNELING OPERATION THROUGH RAIL EMBANKMENT AND FURNISHING AND INSTALLING 66" R.C.C.P. CLASS III THROUGH THE LIMITS SHOWN IN PROFILE. SEE SPECIFICATIONS AND DWG. 75-5013 FOR DETAILS.

CHANNEL & CURVE DATA

R=100.00' Δ=35°30'00"
L=61.96' T=32.01'
CHD. BEG. = S 49°23'55"W
CHD. LGTH. = 60.97'

| RAILROAD CROSSING | |
|--------------------------|-----------------|
| DESCRIPTION | CARRIER PIPE |
| CONTENTS TO BE HANDLED | STORM WATER |
| NOMINAL DIAMETER | 66" |
| INSIDE DIA./OUTSIDE DIA. | 66"/79" |
| PIPE MATERIAL | R.C.C.P. |
| SPECIFICATION/ GRADE | ATSM C12-C1, V |
| WEIGHT PER LINEAR FT. | 1342 # |
| WORKING PRESSURE | 0 |
| TEST PRESSURE | 0 |
| COATING | NONE |
| CATHODIC PROTECTION | NONE |
| TYPE OF JOINTS | TONGUE & GROOVE |
| METHOD OF INSTALLATION | JACKED |



REFERENCE DRAWINGS

- Oceano Avenue - Road Plan - DWG. # 75-5009
- Oceano Avenue - Storm Drain Profiles - DWG. # 75-5012
- Tar Bay Drive - Road Plan - DWG. # 75-5010
- Tar Bay Drive - Storm Drain Profiles - DWG. # 75-5013
- Tar Bay Drive - 12" Water - DWG. # 75-5004
- Sanitary Sewer - Plan & Profiles - DWG. # 75-5005
- TUNNELING ALTERNATE DETAILS - DWG. # 75-5013

66" R.C.C.P. TO BE INSTALLED BY JACKING (OR TUNNELING ALTERNATE). SEE LIMITS SHOWN IN PROFILE.

NOTE: CONTRACTOR TO NOTIFY B.F.O.-C.F.O. RAILROAD AT LEAST 10 DAYS PRIOR TO START OF CONSTRUCTION IN THIS AREA.

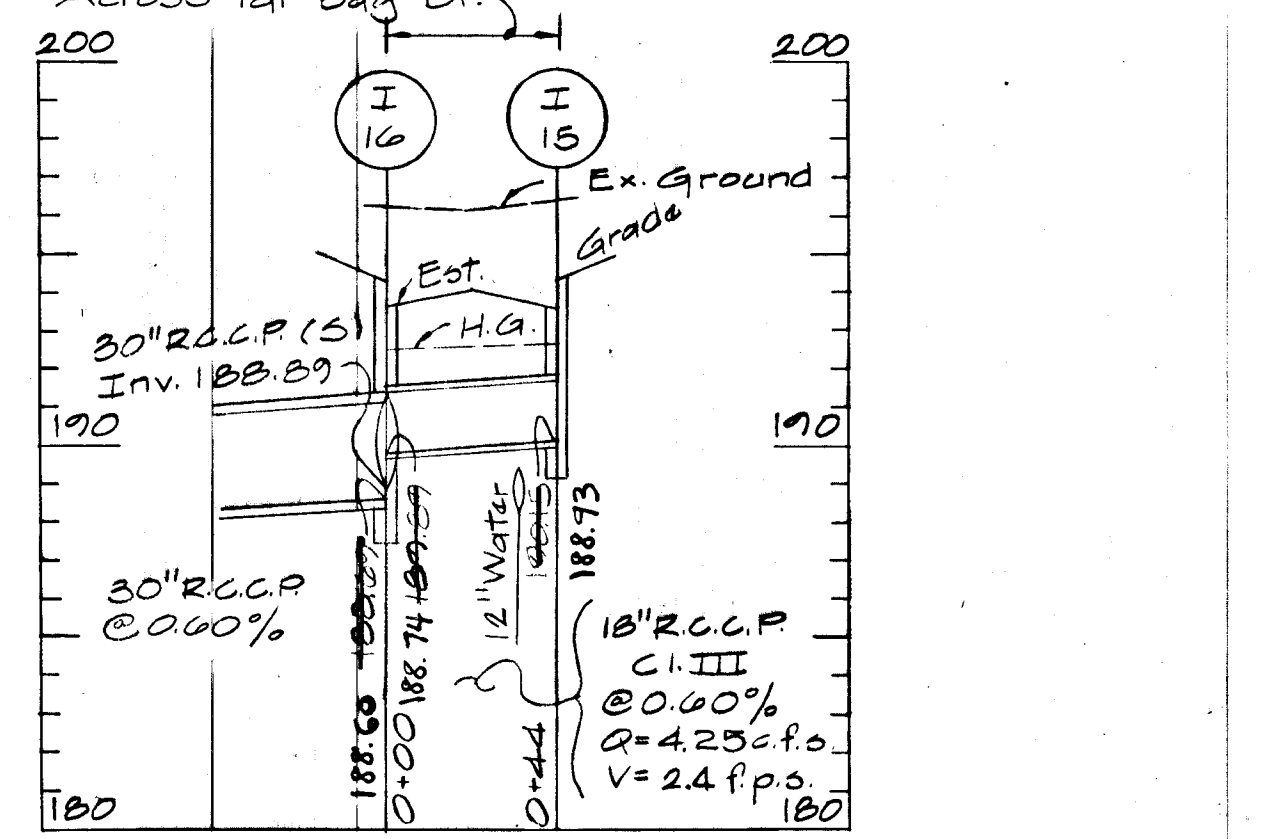
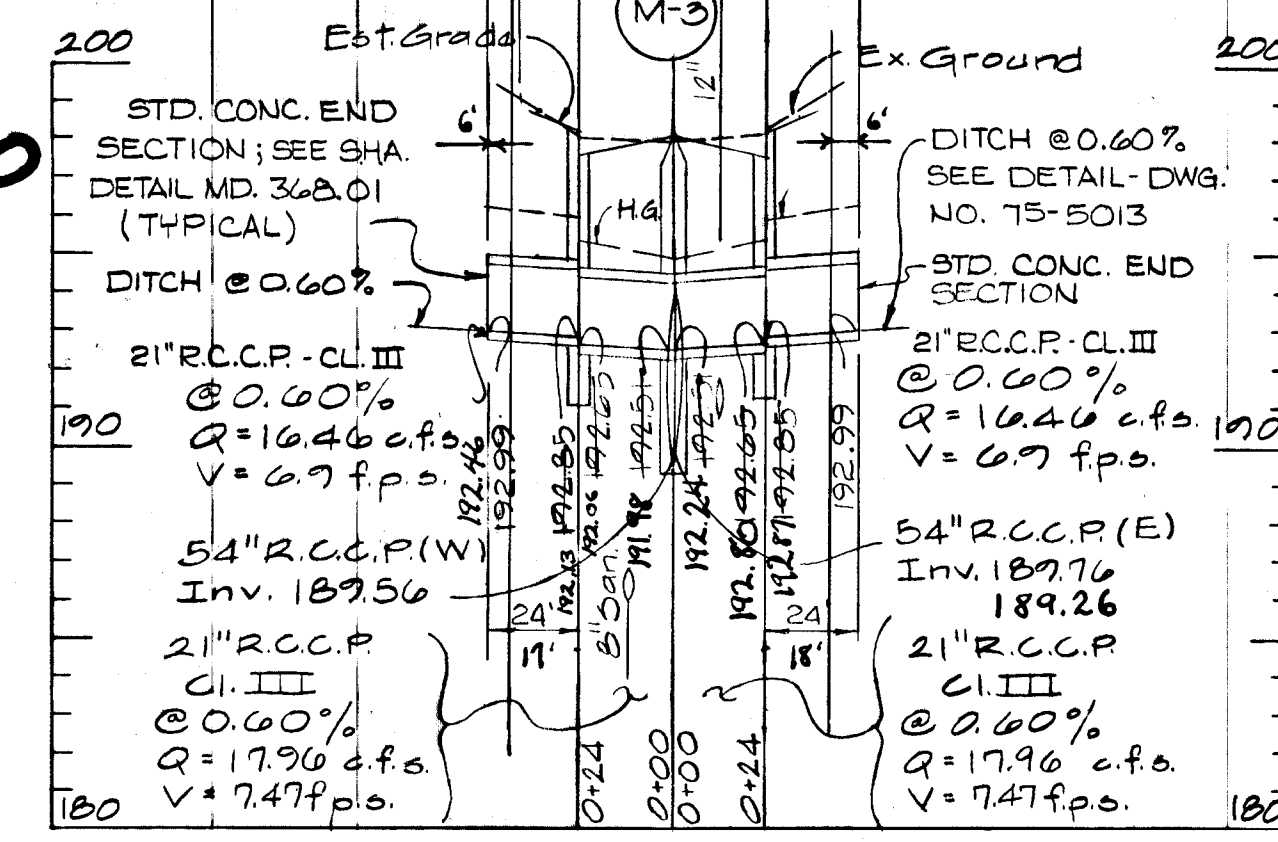
Developer's Certification:
I Certify That All Development And/or Construction Will Be Done According To This Plan Of Development And Plan Of Silt And Sediment Control.

J. Amey
Signature of Developer
Date: 9/11/75

Engineer's Certification:
I Certify That The Plan Of Development And The Plan For Control Of Silt And Erosion Meets The Requirements, Standards, and Specifications Of The Howard Soil Conservation District.

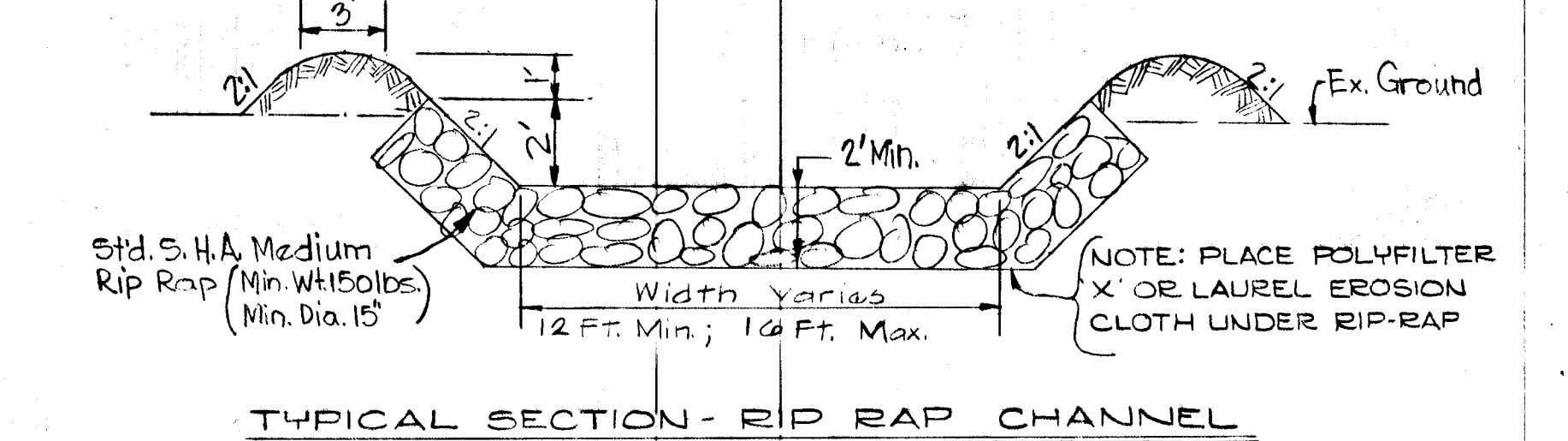
Charles E. Fiel
Signature of Engineer
Date: 9/11/75

Contractor To Restore Ex. Sediment Basin To A Condition Equal To Or Better Than That Prior To Construction.



SCALE
PLAN: 1"=50'
PROFILE: 1"=50'
VERT.: 1"=5'

S=0.0055
n=0.03
d=2.7'
A=57.8'
WR=28.1'
V=2.06
V=6.0 fps
Qcap=346.8 cfs
Qreq=342.5 cfs



12' Bottom
S=.048 n=.04 d=2.0' A=32' V=11.0 fps Qcap=352.3 cfs

16' Bottom
S=.048 n=.04 d=2.7' A=57.8' V=2.06 V=6.0 fps Qcap=346.8 cfs Qreq=342.5 cfs

APPROVED: _____
DATE: 12/17/75

DEPARTMENT OF GENERAL SERVICES
OFFICE OF DESIGN & CONSTRUCTION
APPROVED
PRINCIPAL ENG. _____
DATE: 12/17/75

DWG. NO. OF _____
PROJECT NO. _____
DATE: _____

| | | | | | | | |
|---------------------|---|--|--|--|--|---|--|
| DESIGNED: R.A.P. | G.W. STEPHENS, JR. & ASSOC. | ENGINEER | OWNER & DEVELOPER | OFFICE OF PLANNING & ZONING | DEPARTMENT OF PUBLIC WORKS | HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING | SHEET NO. 6 OF 8 |
| DRAWN: G.R.A. | <u>Charles E. Fiel</u> ENGINEER: REG. NO. 5048 | GEORGE W. STEPHENS, JR. & ASSOC. 303 ALLEGHENY AVE. TOWSON, MARYLAND 21204 | MARYLAND WHOLESALE FOOD CENTER AUTHORITY 1115 ONE CHARLES CENTER BALTIMORE, MARYLAND 21201 | CHIEF, DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING <u>J.H. Clausen</u> DATE: <u>12/5/75</u> | CHIEF, BUREAU OF HIGHWAYS <u>S.H. Beeland</u> DATE: <u>12/8/75</u> | Phase II - Maryland Wholesale Food Center PLAN AND PROFILE STORM DRAIN OUTFALL JESSUP, MARYLAND ELECTION DISTRICT NO. 6 | DRAWING NO. 75-5011 CONTRACT NO. _____ FILE: _____ |
| CHECKED: H.F.S. | DATE: <u>9/11/75</u> | | | | | DATE: _____ REVISIONS: _____ BY: _____ | |

Developer's Certification:
I Certify That All Development And/Or Construction Will Be Done According To This Plan, Of Development And Plan Of Silt And Sediment Control.

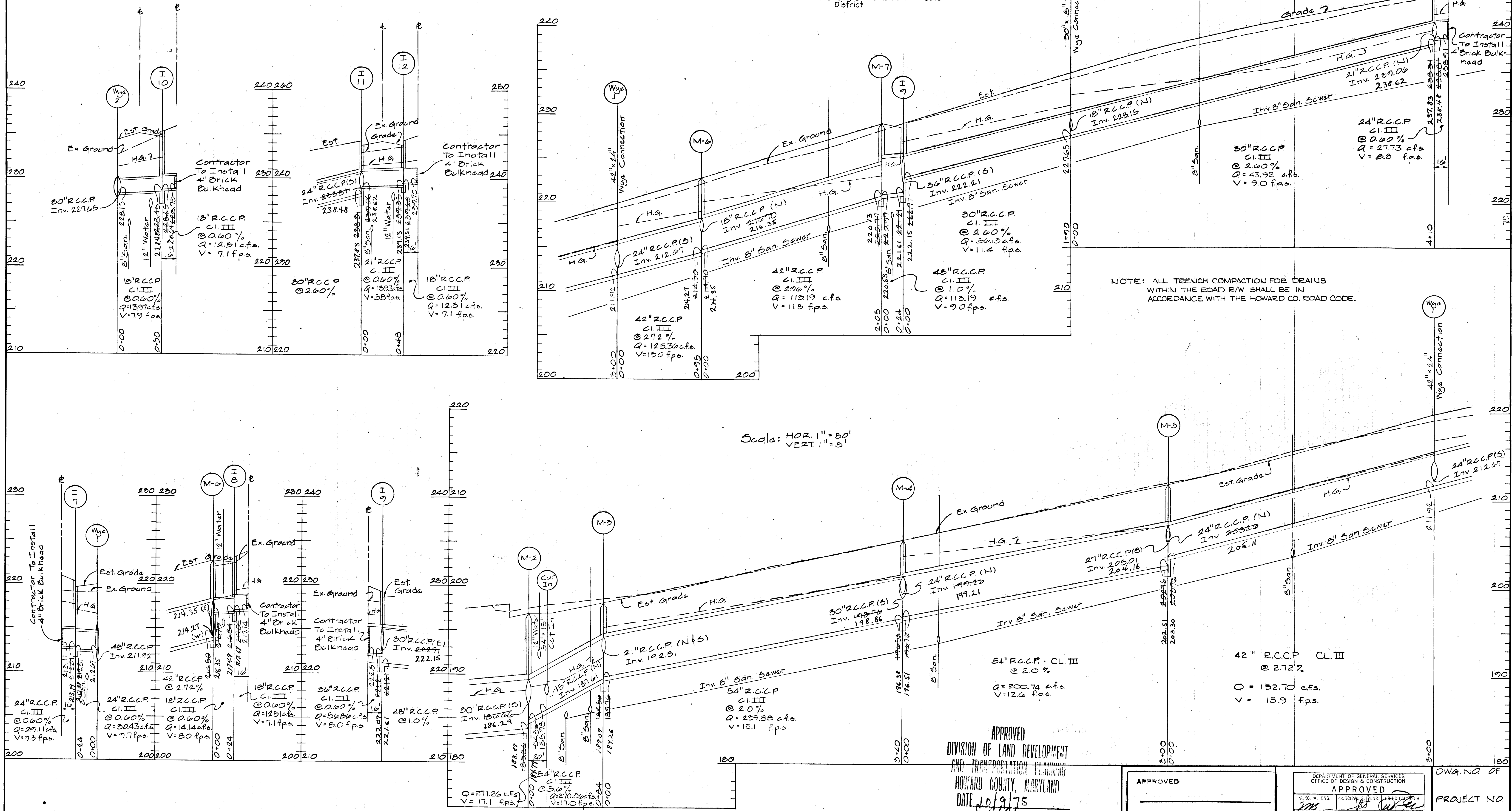
J. Ray Lee
Signature of Developer
9/11/75
Date

Engineer's Certification:
I Certify That The Plan Of Development And The Plan For Control Of Silt And Erosion Meets The Requirements, Standards, And Specifications Of The Howard Soil Conservation District.

Charles E. Fitch
Signature Of Engineer
9/11/75
Date

This Development Plan Is Approved For Soil Erosion And Sediment Control By The Howard Soil Conservation District.

Reviewed *Eric H. Herman* Assoc. Dist. Conservationist 12/2/75 Date
Approved *Robert J. Ziehm* 12/2/75 Date
Howard Soil Conservation District



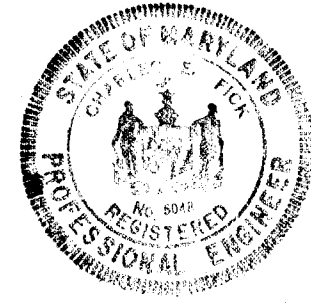
Scale: HOR. 1" = 50'
VERT. 1" = 5'

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 10/9/75
J. Ray Lee

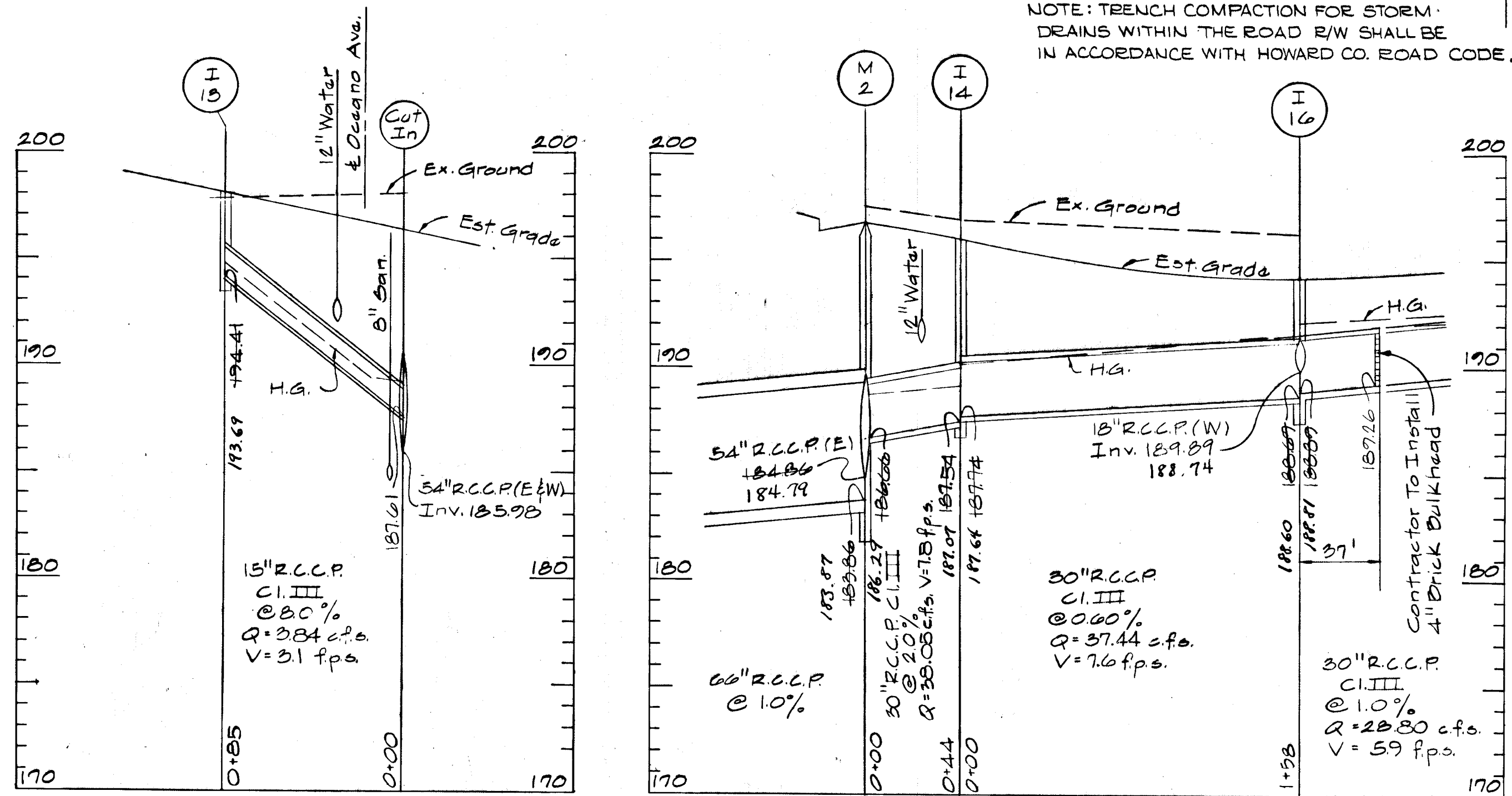
APPROVED:
[Signature]

DEPARTMENT OF GENERAL SERVICES
OFFICE OF DESIGN & CONSTRUCTION
APPROVED
[Signatures]

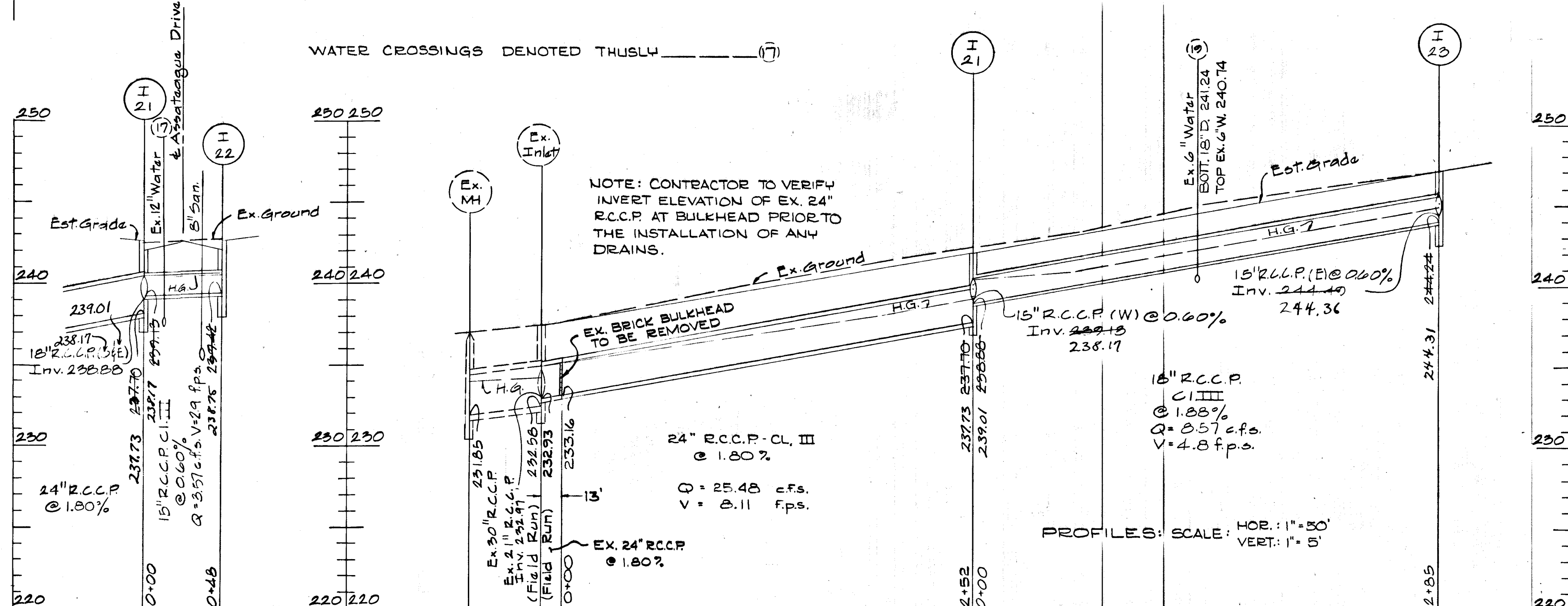
| | | | | | | | | |
|---------------------|----------------------------|--|--|---|--|--|-------------------------------|--|
| DESIGNED: R.A.P. | G.W. STEPHENS, JR & ASSOC. | ENGINEER <i>Charles E. Fitch</i> ENGINEER: REG. NO. 5048 | OWNER & DEVELOPER MARYLAND WHOLESALE FOOD CENTER AUTHORITY 1115 ONE CHARLES CENTER BALTIMORE, MARYLAND 21201 | OFFICE OF PLANNING & ZONING CHIEF, DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING <i>J. H. Clouston</i> DATE: 12/15/75 | DEPARTMENT OF PUBLIC WORKS CHIEF, BUREAU OF HIGHWAYS <i>D. H. McManis</i> DATE: 12/4/75 | HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, BUREAU OF ENGINEERING Phase II - Maryland Wholesale Food Center STORM DRAIN PROFILES OCEANO AVENUE JESSUP, MARYLAND ELECTION DISTRICT NO. 6 | DWA. NO. OF PROJECT NO. DATE: | SHEET NO. 7 OF 5 DRAWING NO. 75-5012 CONTRACT NO. FILE |
|---------------------|----------------------------|--|--|---|--|--|-------------------------------|--|



ALONG TAR BAY DRIVE



ALONG ASSATEAGUE DRIVE



INLET SCHEDULE

| Inlet No. | Remarks | TYPE | INV. IN | INV. OUT | T.G. ELEV. |
|-----------|---------------------|----------------------|---------|----------|------------|
| 1 | Ho. Co. Div. #D-99 | 5' Comb | 192.85 | 192.65 | 198.42 |
| 2 | " | 5' Comb | 192.85 | 192.65 | 198.42 |
| 3 | " | 5' Comb | 197.15 | 193.11 | 205.62 |
| 4 | " | 5' Comb | 197.65 | 197.40 | 205.02 |
| 5 | " | 5' Comb | 205.35 | 205.15 | 212.07 |
| 6 | " | 5' Comb | 205.60 | 205.40 | 212.07 |
| 7 | " | 5' Comb | 213.01 | 212.81 | 220.20 |
| 8 | " | 5' Comb | 217.04 | 216.84 | 223.05 |
| 9 | " | 5' Comb | 222.21 | 222.11 | 229.20 |
| 10 | " | 5' Comb | 223.65 | 223.45 | 235.95 |
| 11 | " | 5' Comb | 237.06 | 233.31 | 244.40 |
| 12 | " | 5' Comb | 237.60 | 237.35 | 244.40 |
| 13 | " | 5' Comb | 194.41 | 193.70 | 198.70 |
| 14 | " | 5' Comb | 187.74 | 187.54 | 194.18 |
| 15 | " | 5' Comb | 192.13 | 194.31 | 194.41 |
| 16 | " | 5' Comb | 188.89 | 188.69 | 194.31 |
| 17 | " | 5' Comb | | | Future |
| 18 | " | 5' Comb | | | " |
| 19 | " | 5' Comb | | | " |
| 20 | " | 5' Comb | | | " |
| 21 | " | 5' Comb | 237.13 | 237.70 | 242.64 |
| 22 | " | 5' Comb | | 237.94 | 242.64 |
| 23 | Ho. Co. Div. #D-97 | 5' Comb | | 244.24 | 247.77 |
| 24 | Ho. Co. Div. #D-102 | 15" R.C.C.P. @ 0.60% | 175.72 | 173.72 | 189.00* |

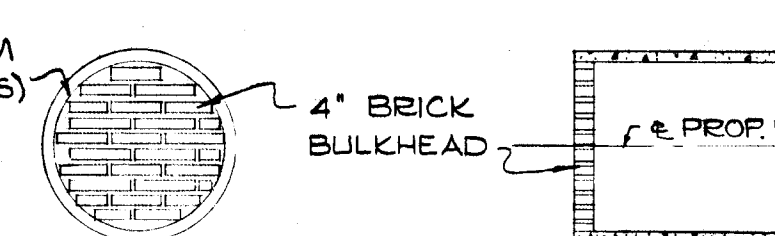
MANHOLE SCHEDULE

| No. | TYPE | REMARKS | SIZE | INV. IN | INV. OUT | TOP ELEV. |
|-----|------|--------------------|------|---------|----------|-----------|
| 1 | C | Ho. Co. Div. #D-99 | 60" | 179.12 | 177.15 | * |
| 2 | C | " | 60" | 184.86 | 183.86 | 191.42 |
| 3 | C | " | 54" | 189.76 | 187.50 | 197.40 |
| 4 | C | " | 54" | 194.76 | 192.50 | 203.41 |
| 5 | C | " | 54" | 205.76 | 202.76 | 211.55 |
| 6 | C | " | 42" | 214.70 | 214.50 | 221.80 |
| 7 | C | Ho. Co. Div. #D-98 | 48" | 220.97 | 220.77 | 228.95 |

* Contractor To Set Top Elev. In Field To Meet Existing Grade.

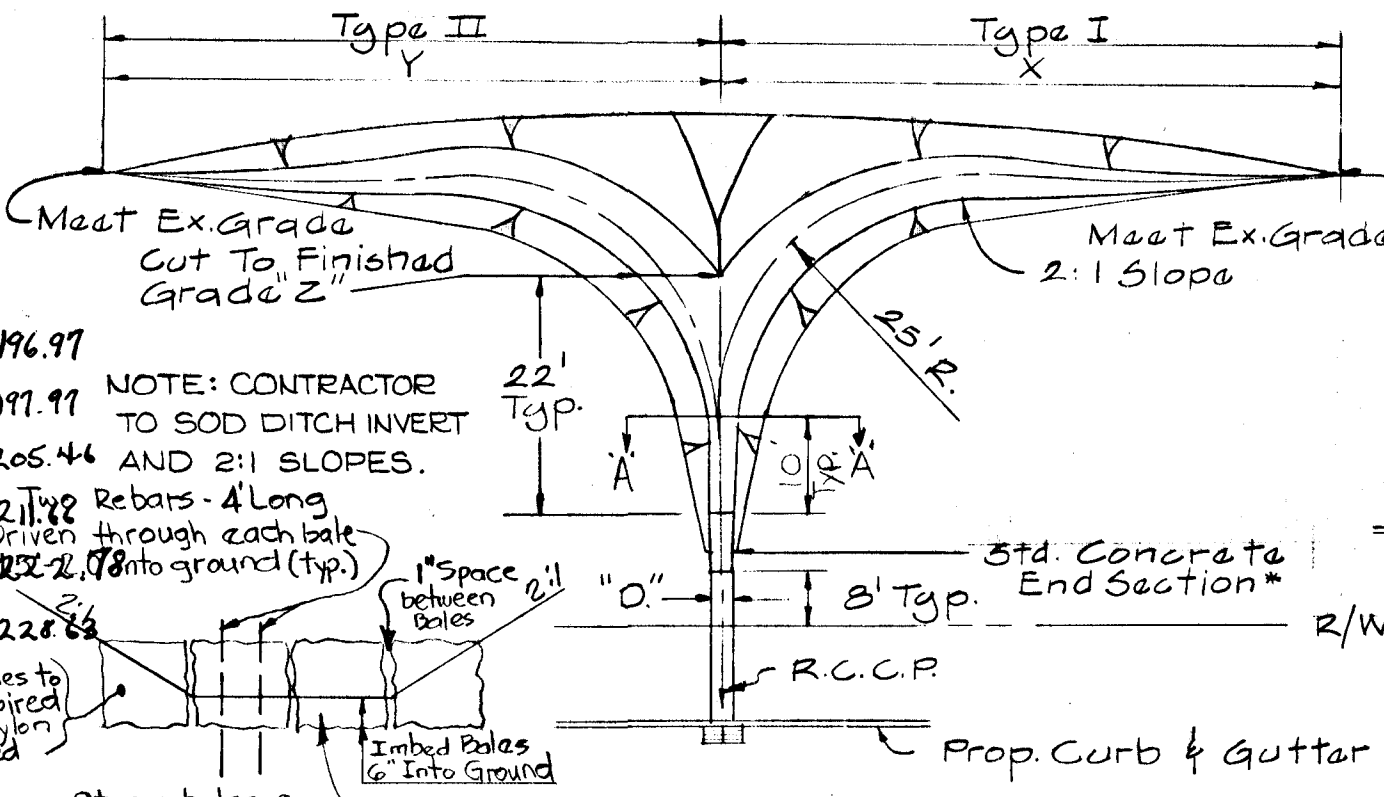
WATER CROSSINGS

| CROSSING # | EST. GRADE | BOTT. 15" DRAIN | TOP EX. 12" WATER | CLEAR | EST. GRADE | BOTT. 15" D. | TOP EX. 6" WATER | CLEAR |
|------------|------------|-----------------|-------------------|-------|------------|--------------|------------------|-------|
| * 17 | 242.29 | 239.01 | 238.00 | 1.01 | 244.55 | 241.24 | 240.74 | 0.50 |
| * 19 | | | | | | | | |



ELEVATION PROFILE

Trench Width of Smaller Pipe

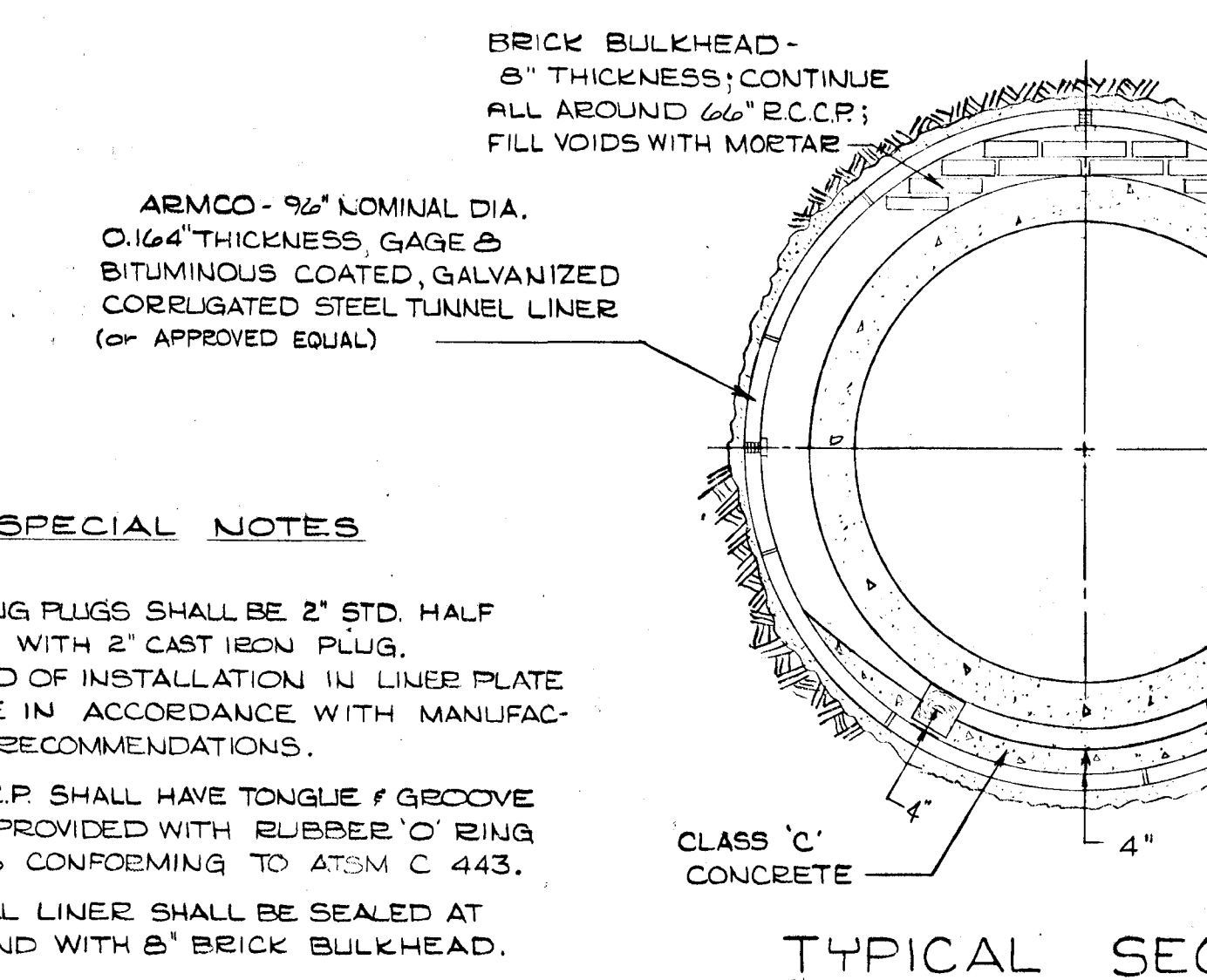


Sta. Conc. End Section Schedule

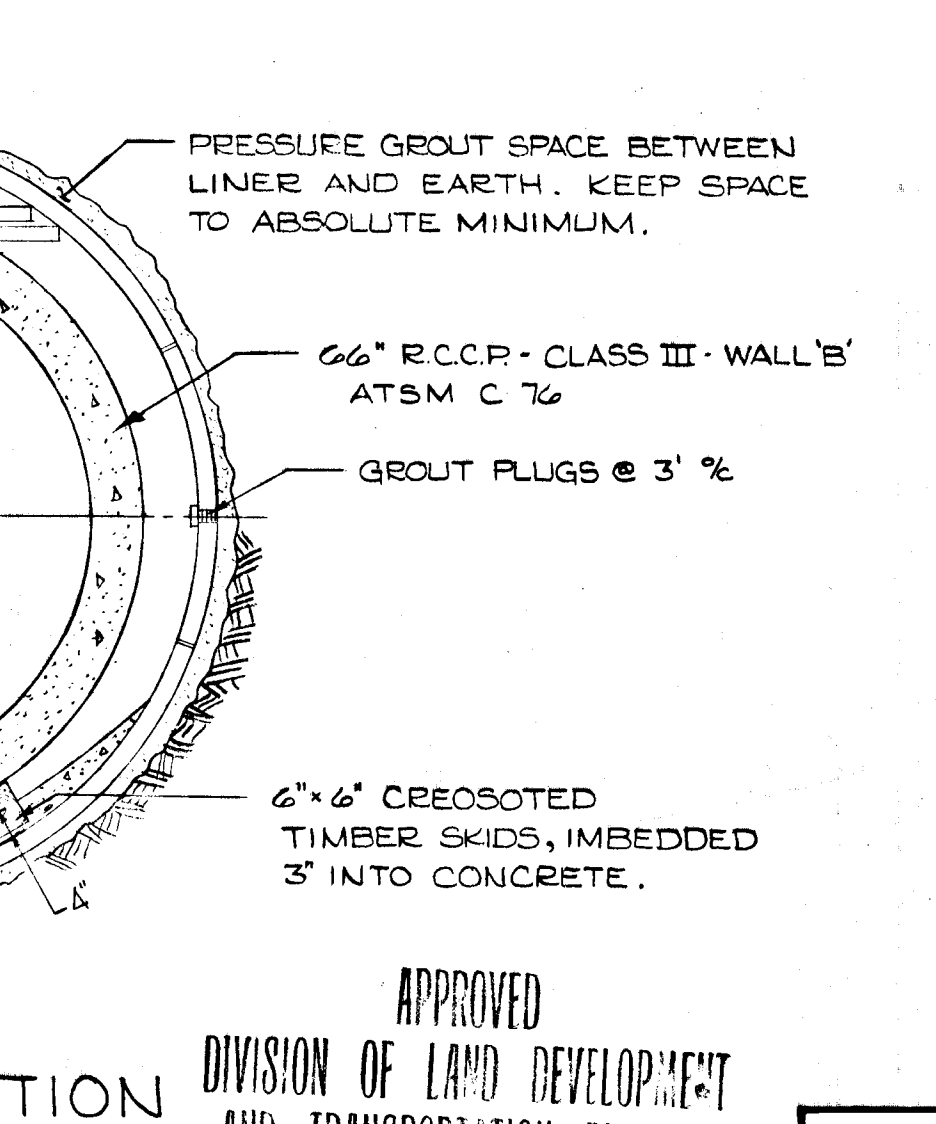
| No. | Type | R.C.C.P. D. | X | Y | Z |
|-----|------|-------------|-----|--------|--------|
| H-1 | I | 21" | 60' | 192.46 | 192.46 |
| H-2 | II | 21" | 60' | 193.17 | 193.17 |
| H-3 | I | 24" | 75' | 205.94 | 205.94 |
| H-4 | II | 27" | 75' | 205.98 | 205.98 |
| H-5 | I | 21" | 75' | 233.52 | 233.52 |

TYPICAL DITCHING DETAIL
NO SCALE

TUNNELING



ALTERNATE



DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF SILT AND SEDIMENT CONTROL.
DEVELOPER: *[Signature]* DATE: 9/11/75

ENGINEER'S CERTIFICATE
I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR SILT AND EROSION MEETS THE REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT.
ENGINEER: *[Signature]* DATE: 9/11/75

REVIEWED: *[Signature]* DATE: 10/6/75
APPROVED: *[Signature]* HOWARD SOIL CONSERVATION DISTRICT DATE: 12/2/75

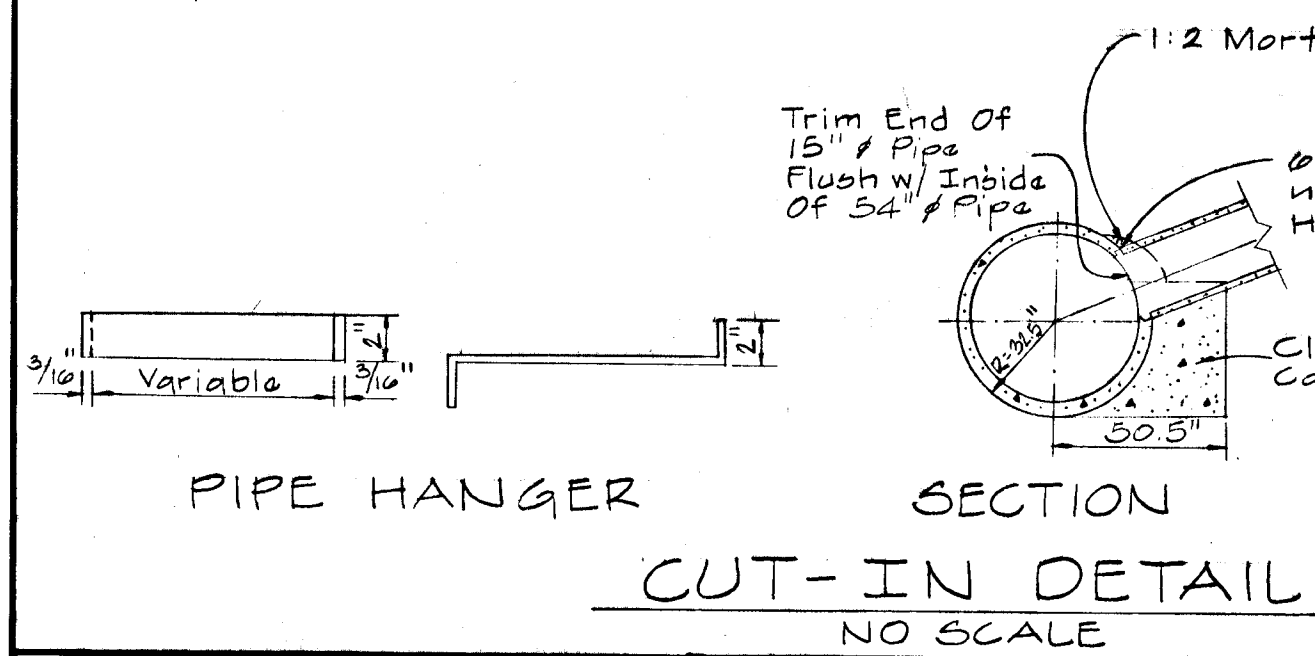
APPROVED DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING HOWARD COUNTY, MARYLAND DATE: 10/19/75 *[Signature]*

REFERENCE DRAWINGS

| ASSATEAGUE DRIVE - ROAD PLAN | DWG. #75-5007 |
|------------------------------|---------------|
| ASSATEAGUE DRIVE - EX. WATER | DWG. #69-0016 |
| TAR BAY DRIVE - ROAD PLAN | DWG. #75-5010 |

APPROVED: *[Signature]*

DEPARTMENT OF GENERAL SERVICES OFFICE OF DESIGN & CONSTRUCTION
APPROVED: *[Signature]*



| | | | | | | |
|------------------|--------------------------------------|---|--|-----------------------------------|--|---------------------|
| DESIGNED: R.A.P. | ENGINEER: G.W. STEPHENS JR. & ASSOC. | OWNER & DEVELOPER: MARYLAND WHOLESALE FOOD CENTER AUTHORITY | OFFICE OF PLANNING & ZONING | DEPARTMENT OF PUBLIC WORKS | HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING | SHEET NO. 8 OF 8 |
| DRAWN: G.R.A. | DATE: 9/11/75 | 303 ALLEGHENY AVE. TOWSON, MARYLAND 21204 | CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING | CHIEF BUREAU OF HIGHWAYS | Phase II - Maryland Wholesale Food Center STORM DRAIN PROFILES | DRAWING NO. 75-5013 |
| CHECKED: H.F.S. | | 1115 ONE CHARLES CENTER BALTIMORE, MARYLAND 21201 | <i>[Signature]</i> DATE: 12/15/75 | <i>[Signature]</i> DATE: 12/18/75 | TAR BAY DR. & ASSATEAGUE DR. JESSUP, MARYLAND | CONTRACT NO. |
| | | | | | ELECTION DISTRICT NO. 6 | FILE |

Developer's Certification:
 I Certify That All Development And/Or Construction Will Be Done According To This Plan Of Development And Plan Of Silt And Sediment Control.

Signature Of Developer
 Date 9/11/75

Engineer's Certification:
 I Certify That The Plan Of Development And The Plan For Control Of Silt And Erosion Meets The Requirements, Standards And Specifications Of The Howard Soil Conservation District.

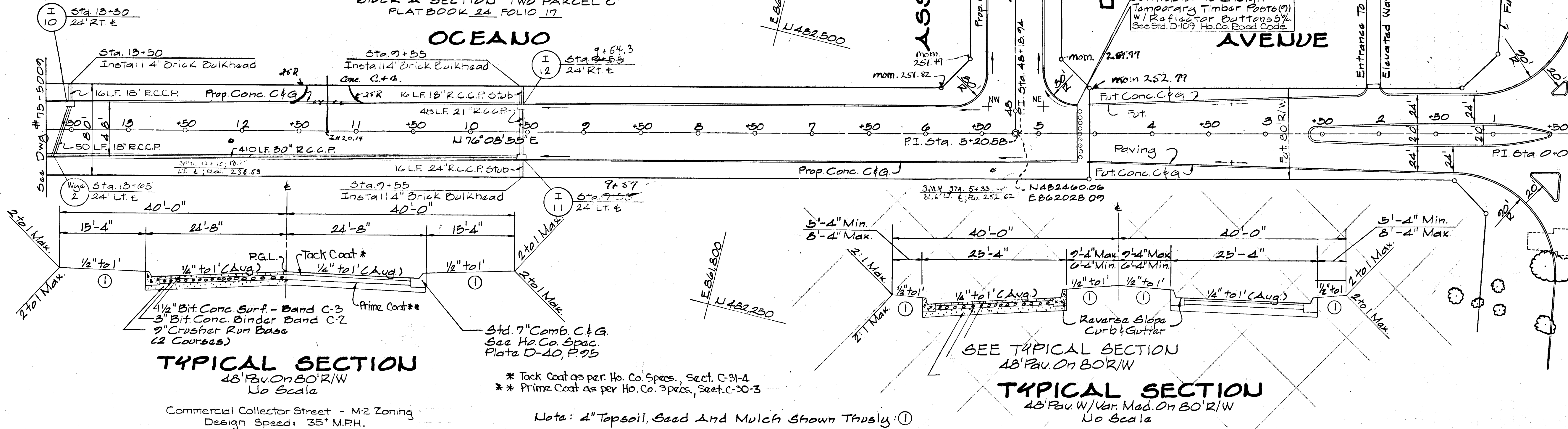
Signature Of Engineer
 Date 9/11/75

This Development Plan Is Approved For Soil Erosion And Sediment Control By The Howard Soil Conservation District.

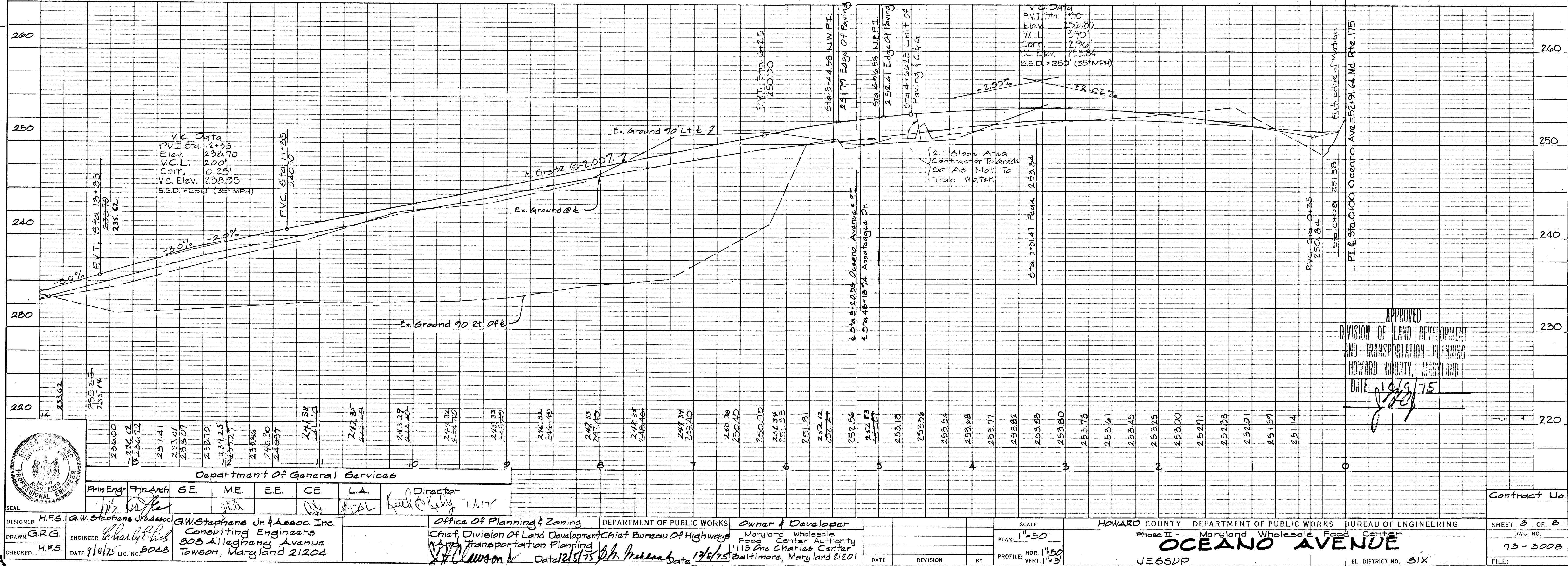
Reviewed Eric V. Harman, District Conservationist, Date 12/3/75

Approved Robert Zahn, Howard Soil Conservation District, Date 12/2/75

GREATER BALTA CONSOLIDATED WHOLESALE FOOD MARKET
 BLOCK 'A' SECTION TWO PARCEL 'C'
 PLATBOOK 24 FOLIO 17

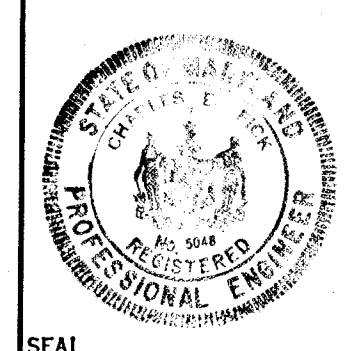


REFERENCE DRAWINGS
 Drain Profiles: #75-5012



APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 10/9/75

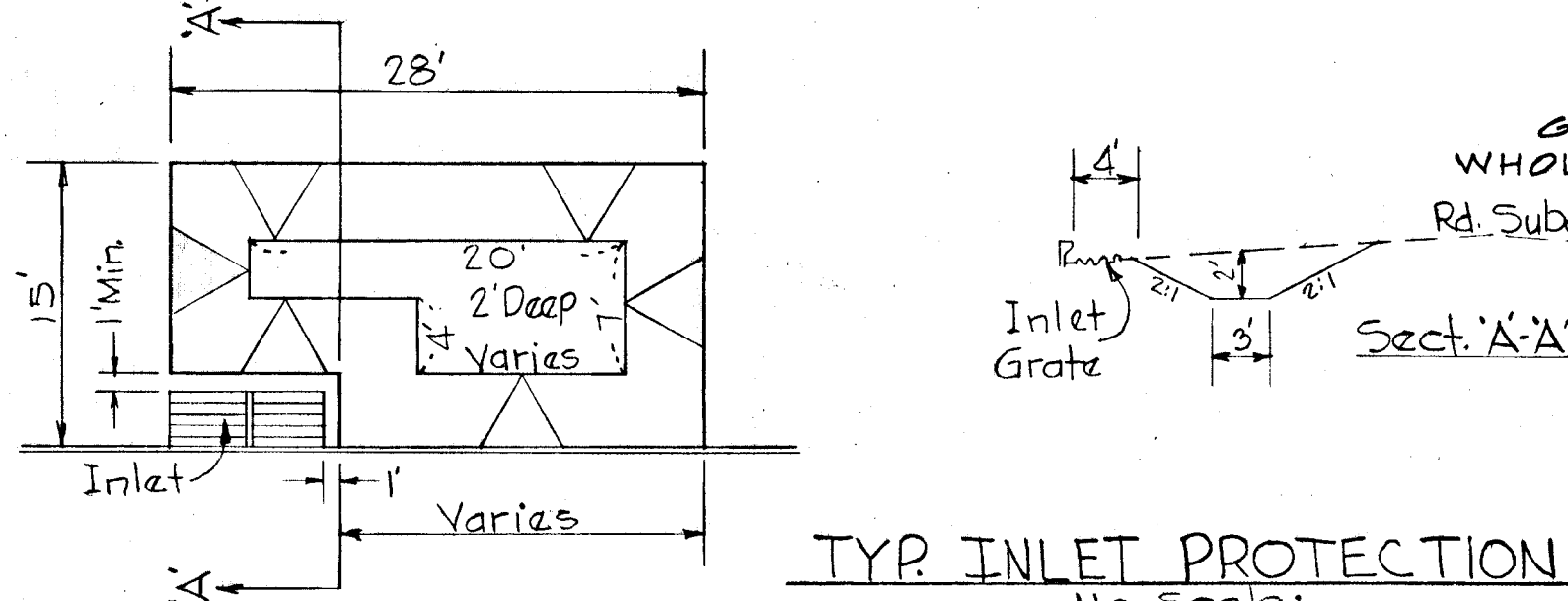
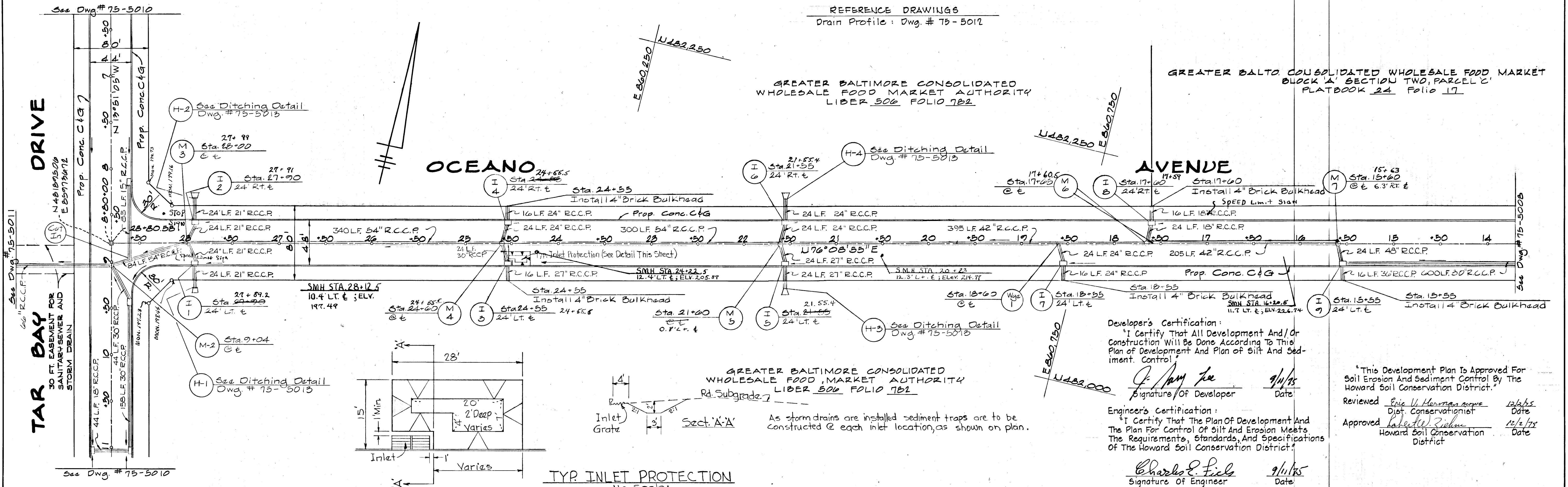
| | | | | | | | | | | | | | | | | |
|--|---|-------------------|-----------------|------------------|--------------------------------|-------------|----|----|----|----|---------------------------------|---|--|--|---|--|
| DESIGNED H.F.S. G.W. Stephens Jr. Assoc. | DRAWN G.R.G. ENGINEER Charles E. Fitch | CHECKED H.F.S. | DATE 9/14/75 | LIC. NO. 3048 | Department of General Services | | | | | | Director Keith Kelly 11/6/75 | Office of Planning & Zoning DEPARTMENT OF PUBLIC WORKS Chief Bureau of Highways Transportation Planning Date 12/15/75 | Owner & Developer Maryland Wholesale Food Center Authority 1115 One Charles Center Baltimore, Maryland 21201 | SCALE PLAN: 1"=50' PROFILE: HOR. 1"=50' VERT. 1"=5' | HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING Phase II - Maryland Wholesale Food Center OCEANO AVENUE JESSUP EL. DISTRICT NO. 31X | SHEET 3 OF 8 DWG. NO. 75-5008 FILE: |
| | | | | | Prin. Engr. | Prin. Arch. | SE | ME | EE | CE | | | | | | |



REFERENCE DRAWINGS
 Drain Profile: Dwg. # 75-5012

GREATER BALTIMORE CONSOLIDATED
 WHOLESALE FOOD MARKET AUTHORITY
 LIBER 506 FOLIO 782

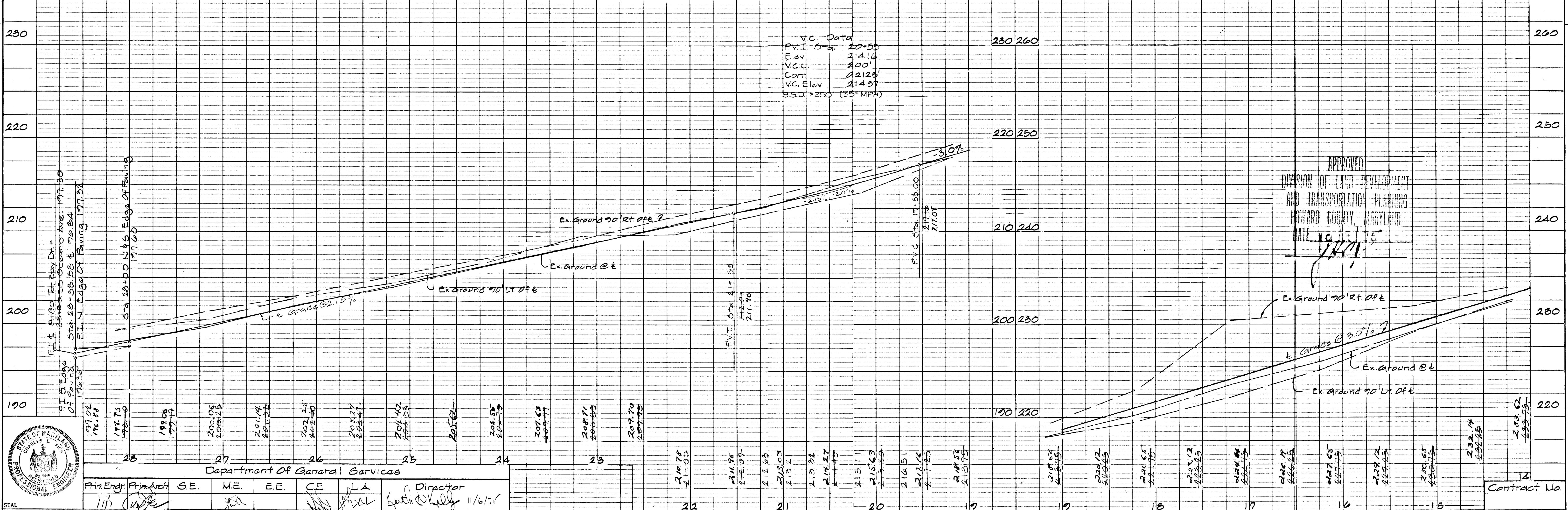
GREATER BALTO CONSOLIDATED WHOLESALE FOOD MARKET
 BLOCK 'A' SECTION TWO, PARCEL 'C'
 PLATBOOK 24 Folio 17



Developer's Certification:
 I Certify That All Development And/Or Construction Will Be Done According To This Plan Of Development And Plan Of Silt And Sediment Control.
 Signature: J. Amy Lee Date: 9/11/75

Engineer's Certification:
 I Certify That The Plan Of Development And The Plan For Control Of Silt And Erosion Meets The Requirements, Standards, And Specifications Of The Howard Soil Conservation District.
 Signature: Charles E. Fitch Date: 9/11/75

This Development Plan Is Approved For Soil Erosion And Sediment Control By The Howard Soil Conservation District.
 Reviewed: Eric W. Korman Date: 12/6/75
 Approved: Robert W. Zickler Date: 12/2/75



| | | | | | | | | |
|--------------------------------|----------------------------|-----------------------------|------------------------------------|----------------------------|--|-----------------|--|------------------------------|
| DESIGNED: H.F.S. | GW Stephens Jr & Assoc | GW Stephens Jr & Assoc Inc. | Office of Planning & Zoning | DEPARTMENT OF PUBLIC WORKS | Owner & Developer | SCALE | HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING | SHEET 4 OF 8 |
| DRAWN: G.R.G. | ENGINEER: Charles E. Fitch | 303 W. Lagrange Avenue | Chief Division of Land Development | Chief, Bureau of Highways | Maryland Wholesale Food Center Authority | PLAN: 1" = 50' | Phase II - Maryland Wholesale Food Center | DWG. NO. 75-5009 |
| CHECKED: H.F.S. | DATE: 9/11/75 | LIC. NO. 5048 | Towson, Maryland 21204 | 1115 One Charles Center | Baltimore, Maryland 21201 | HOR. 1/4" = 50' | OCEANO AVENUE | FILE: |
| Department of General Services | | Director | | DATE: 12/17/75 | | VERT. 1" = 5' | EL. DISTRICT NO. 61X | BALTIMORE COUNTY LYPI NUMBER |