

ENGINEER: HUDKINS ASSOC., INC.
101 SHELL BUILDING
200 E. JOFFA ROAD
TOWSON, MARYLAND 21204

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPT.

William P. Adams 8-6-81
HEALTH DEPT. OFFICER DATE

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

William P. Adams 8-29-81
HOWARD S.C.D. DATE

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

William P. Adams 8-29-81
U.S. SOIL CONSERVATION SERVICE DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

DIRECTOR *William P. Adams* 8-29-81
DATE

CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

William P. Adams 8-29-81
DIRECTOR DATE

William P. Adams 8-4-81
CHIEF DIVISION OF ENGINEERING DATE

DEVELOPER

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL & THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENTATION. I/WE BEFORE BEGINNING THE PROJECT ALSO AUTHORIZE THE ENGINEER ON SITE INSPECTION OF THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS AKE DEFINED NECESSARY.

William P. Adams DATE

ENGINEER

I CERTIFY THAT THE PLAN FOR DEVELOPMENT AND CONSTRUCTION REPRESENTS A FEASIBLE AND WORKABLE PLAN BASED ON MY PROFESSIONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

William P. Adams DATE

DEVELOPER

William P. Adams DATE

ARCHITECT

VICTOR SEGINA
HARRISBURG, PA.

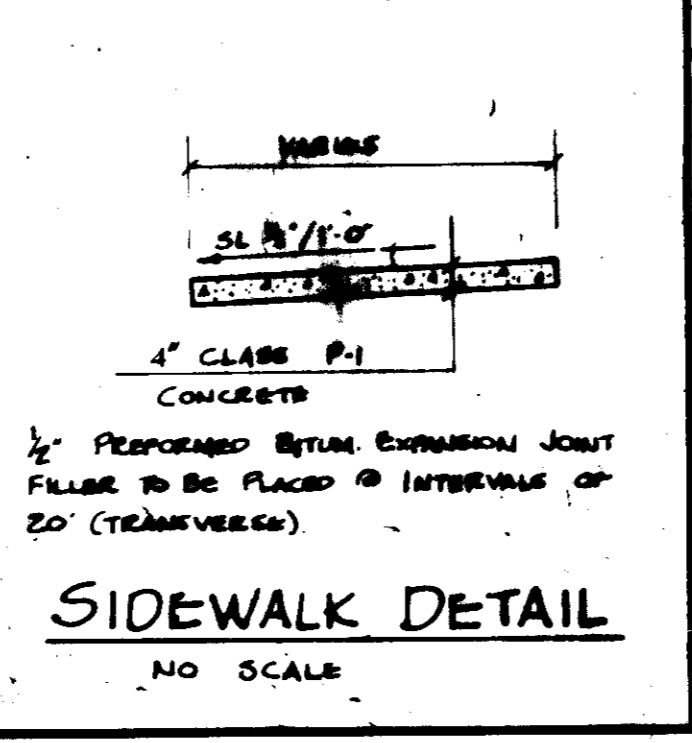
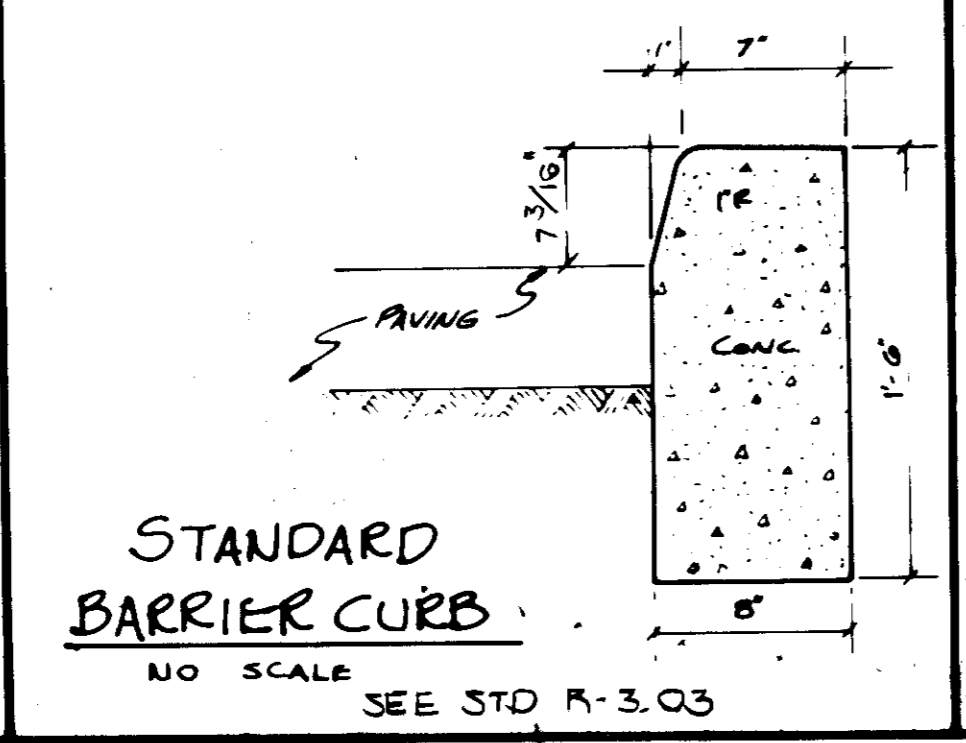
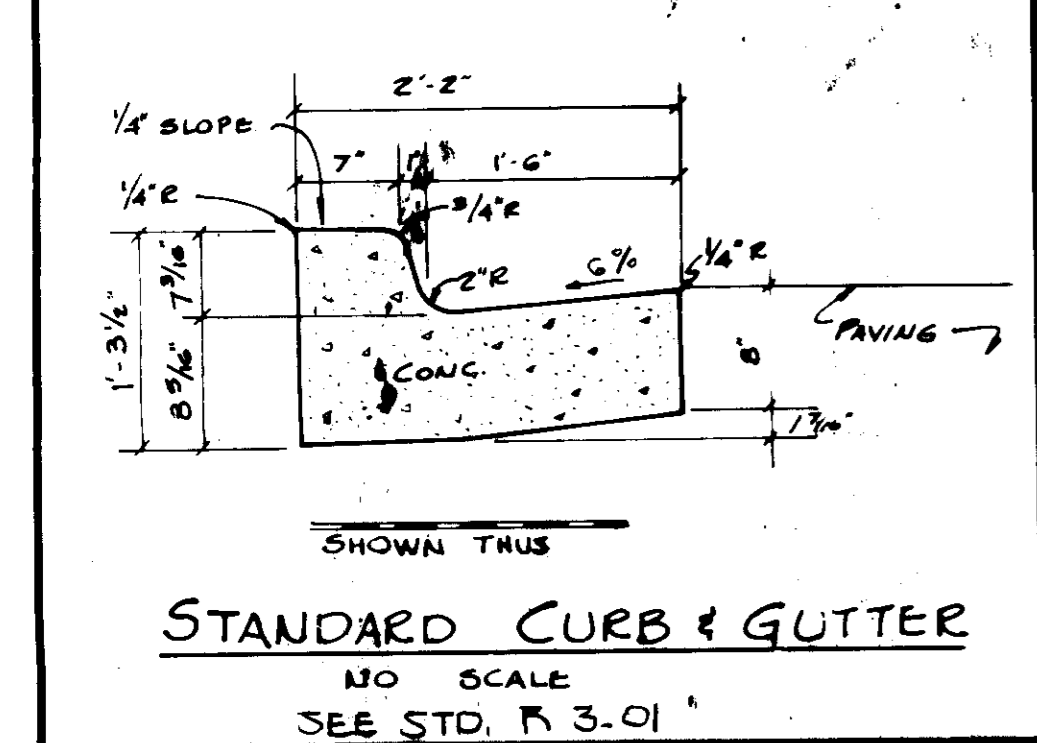
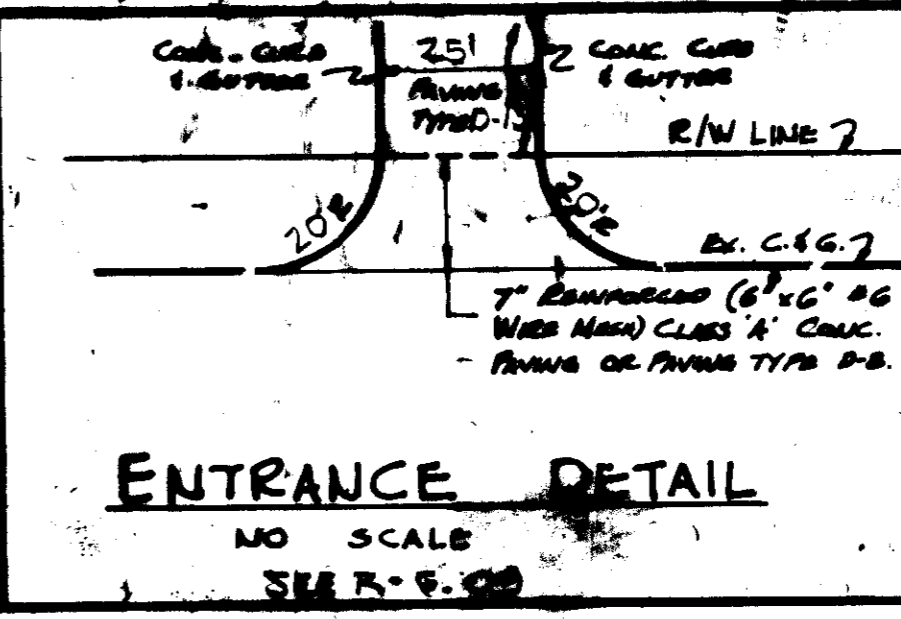
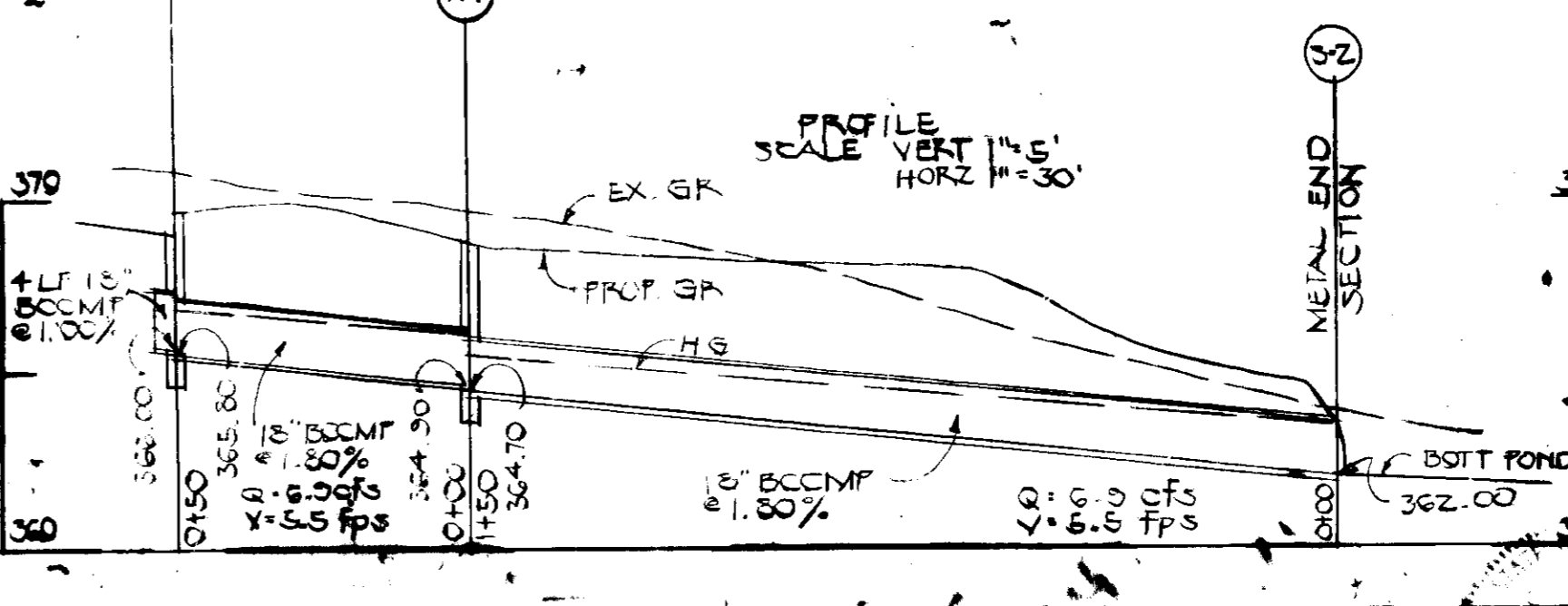
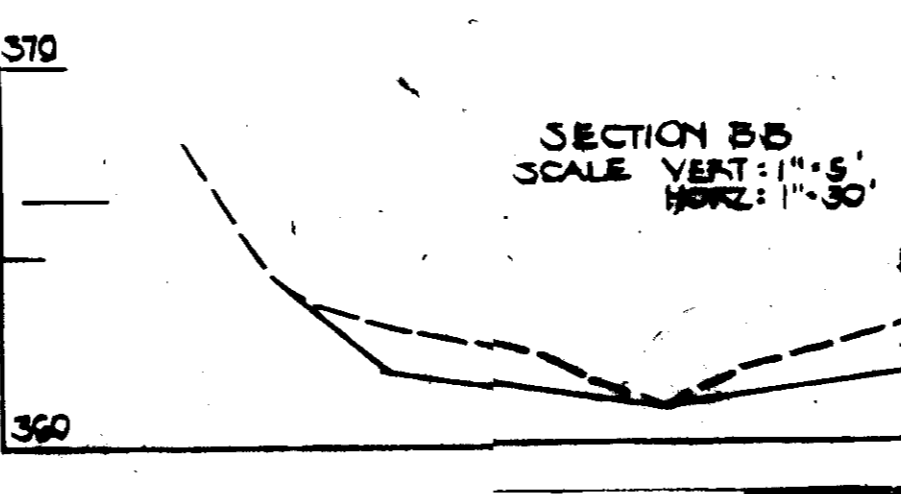
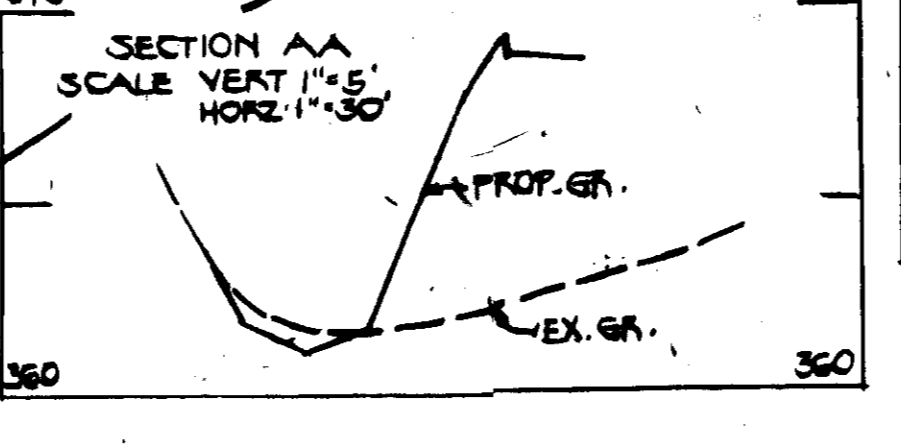
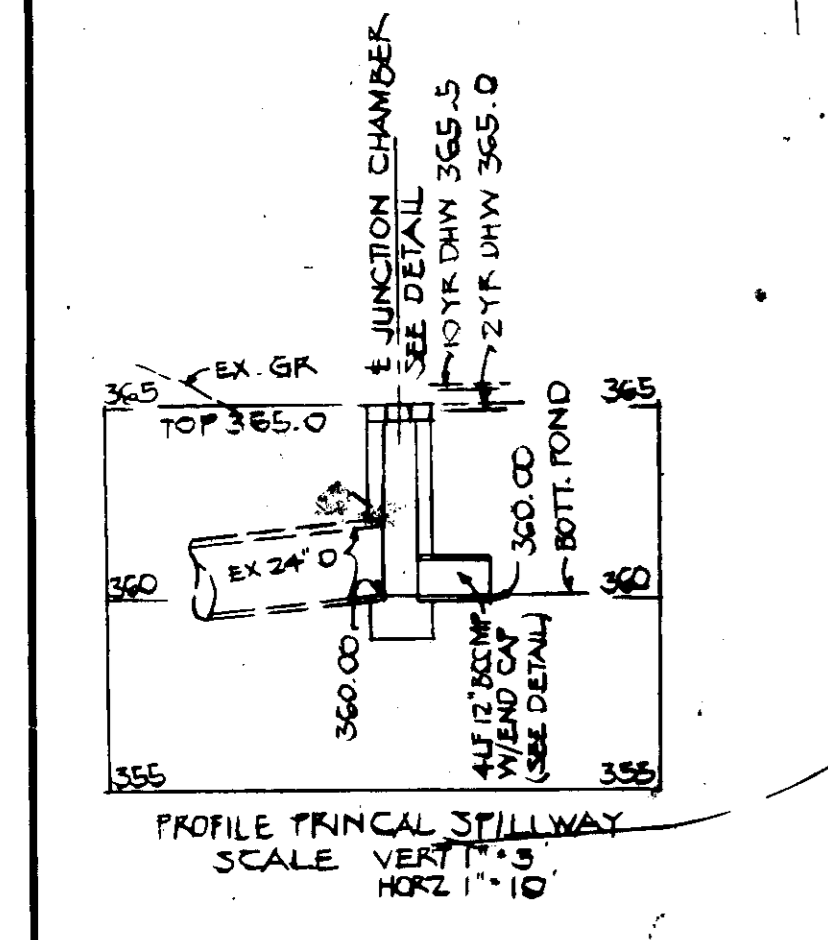
OWNER

SIELING INDUSTRIAL CENTER SECTION 1 AREA 1 PARCEL V-2
RECORDED AS PLAT 4443
ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND
SCALE 1" = 30'

REVISION TO SDP-80-51c DATE 1 OF 2

SITE DEVELOPMENT PLAN

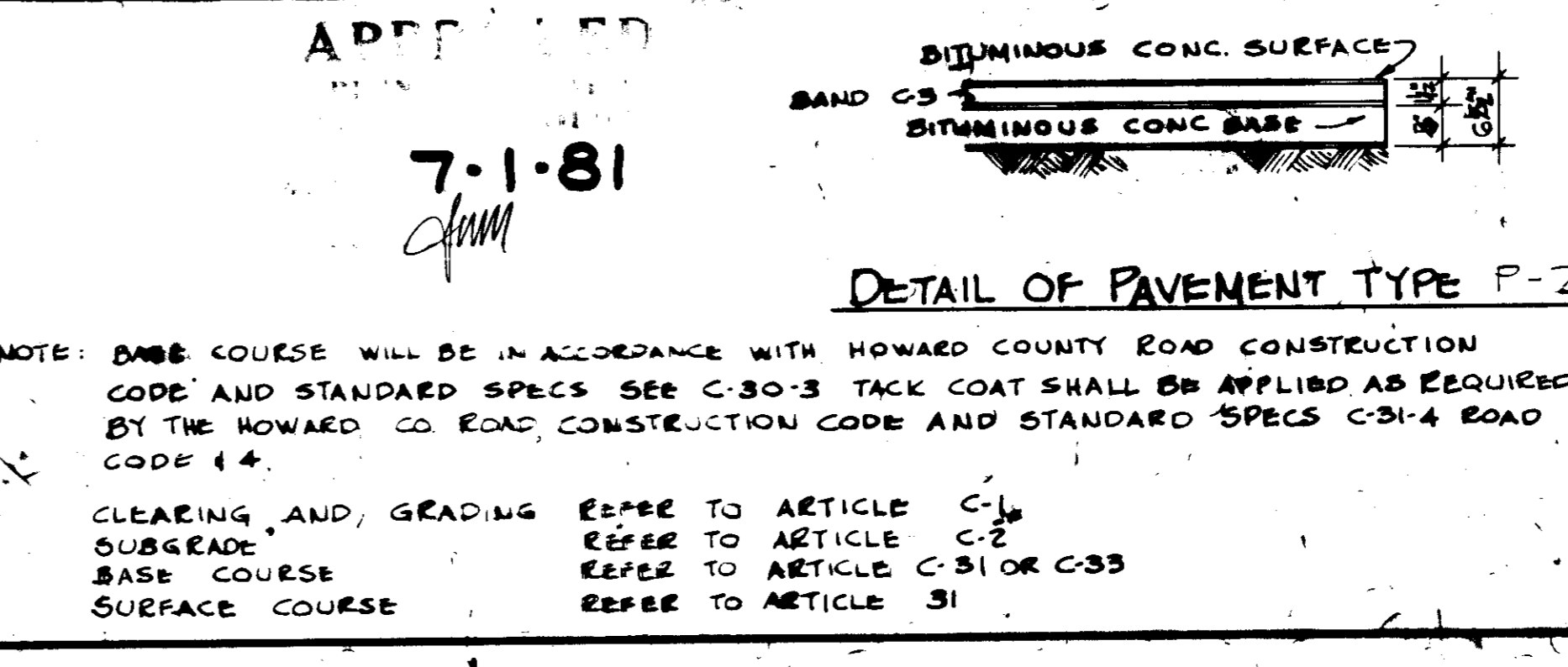
NOTE: * DENOTES LOCATION OF LIGHTS TO BE INSTALLED ON EXTERIOR OF BLDG. (175 WATT MERCURY LAMP)

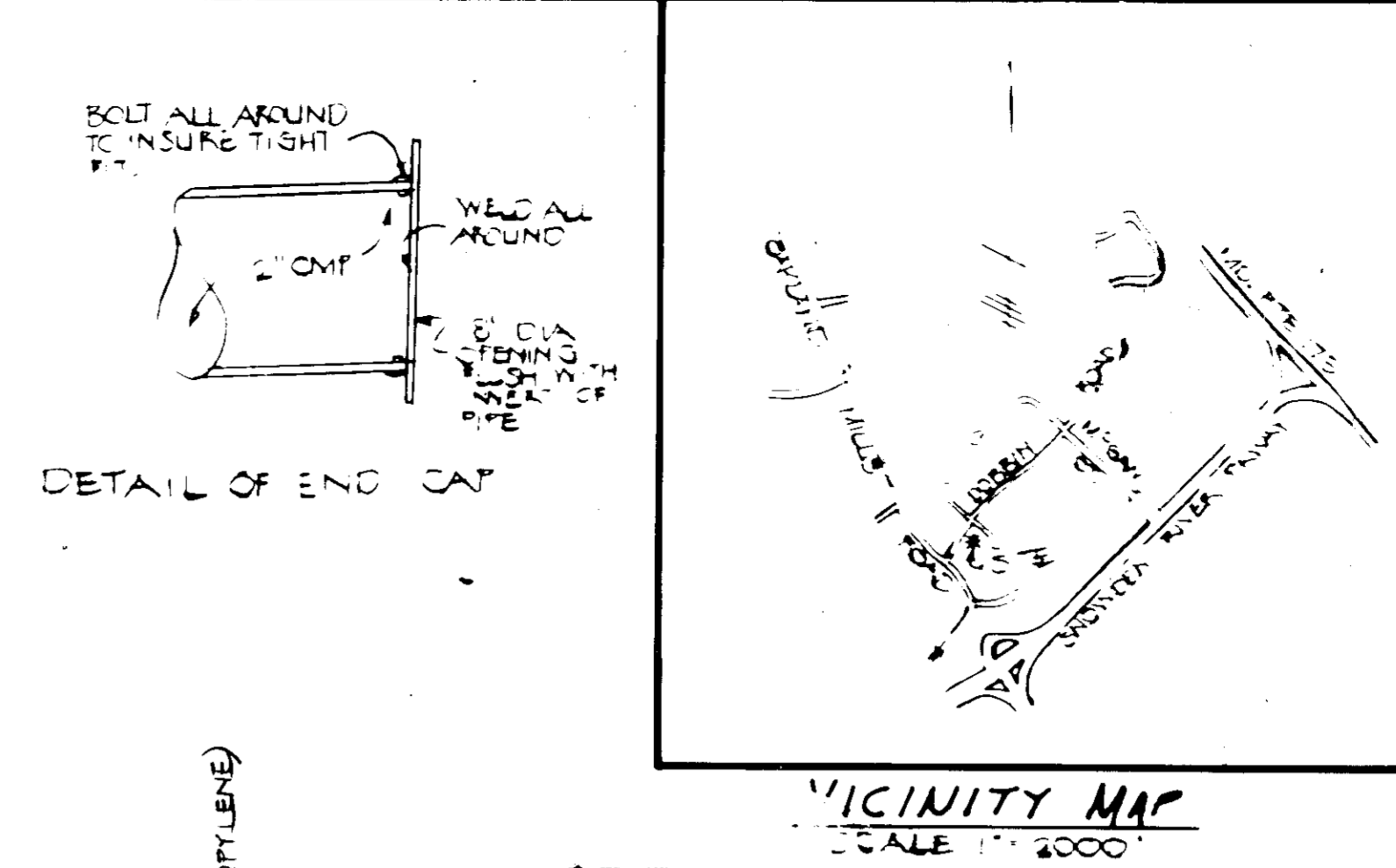
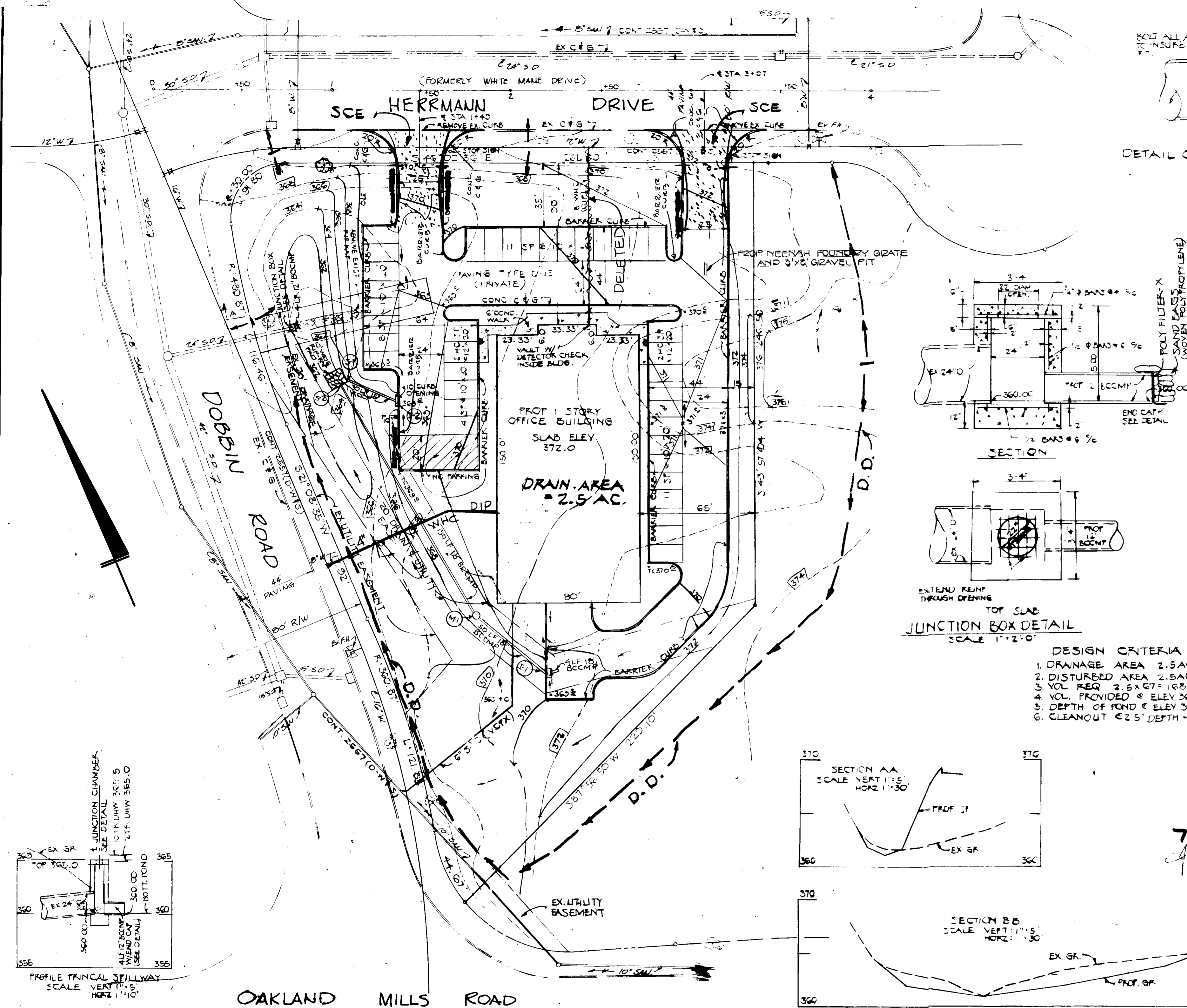


STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP	HC. TO STD.
I-1	5" COMB	366.00	365.80	365.50	50.4-52
M-1	18" M	364.50	364.70	368.50	50.3-53.3
I-2	5" COMB	-	364.58	368.70	50.4-52
S-1	METAL END SECTION	-	362.00	-	50.5-51
S-2	METAL END SECTION	-	362.00	-	50.5-51

REV. SEPT 2, 1981
RELOCATED W.H.C.
CHANGED CONC. TO 4" CLASS P-1 CONCRETE
2/9/82

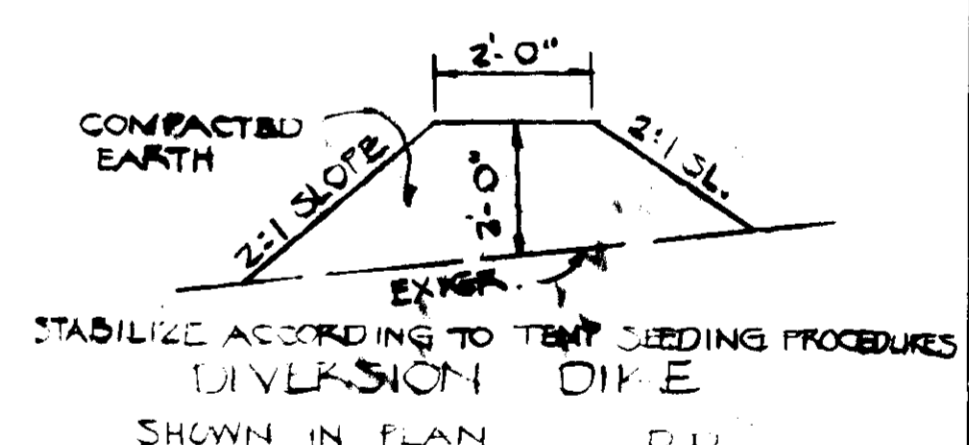
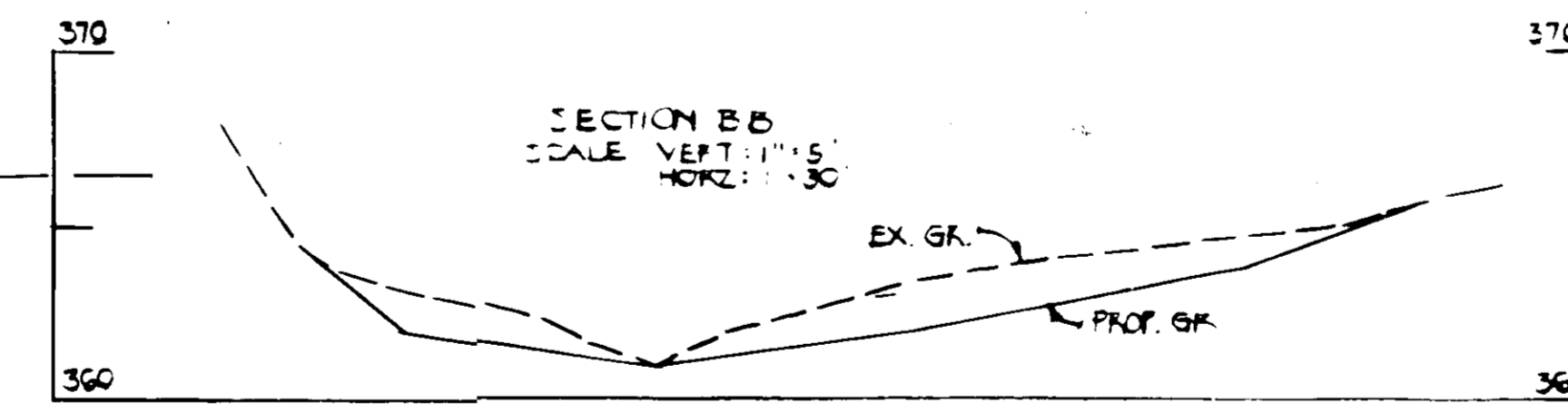
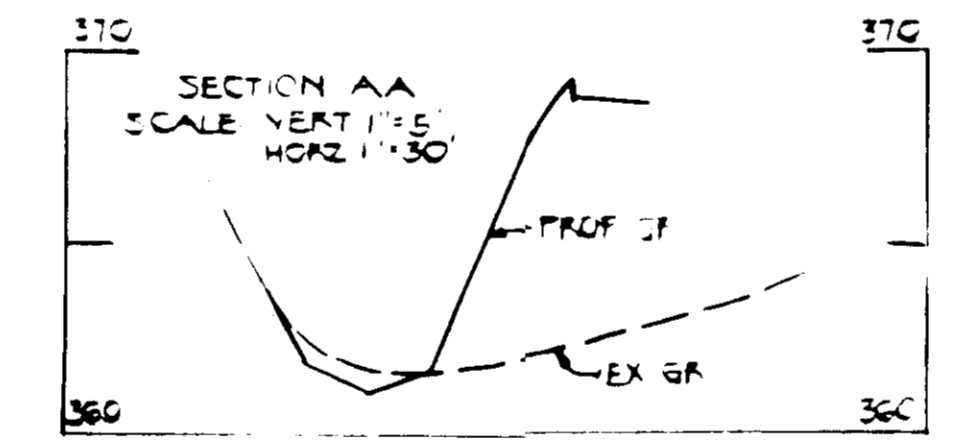




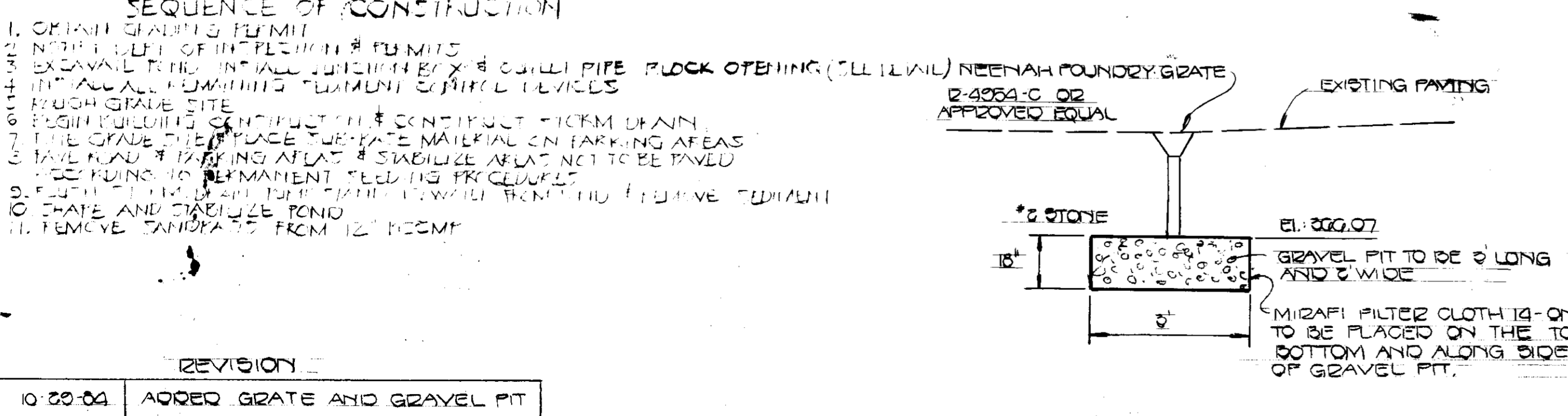
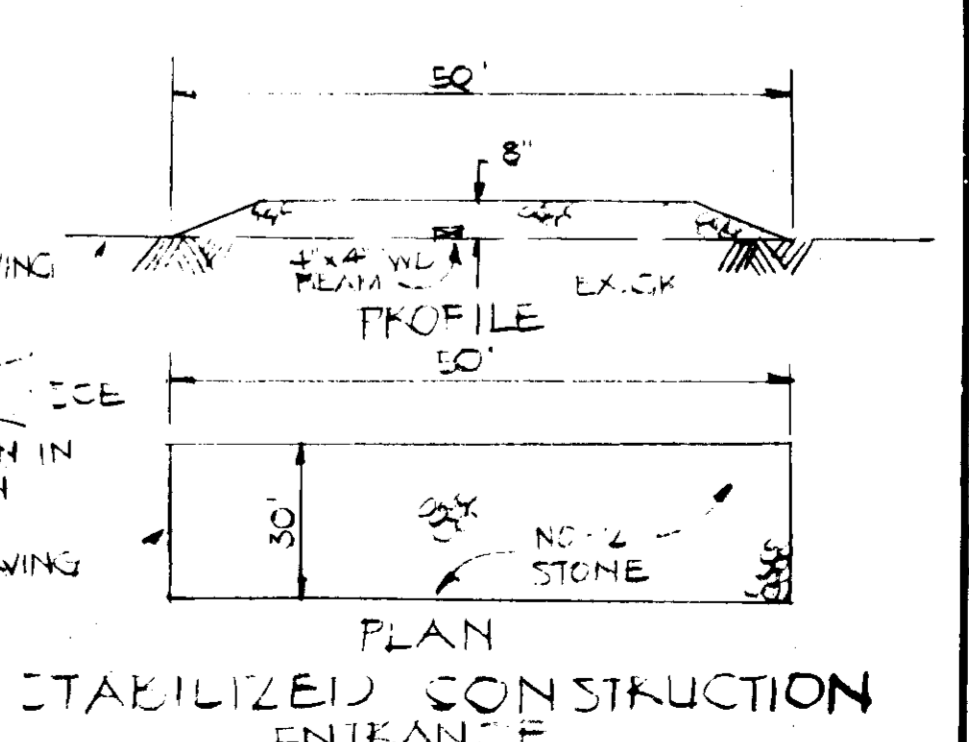
- TEMPORARY SEEDING OPTIONS & PROCEDURES:**
- (1) SEED IMMEDIATELY DIVERSION DIKE WITH 0.2 LBS DRY GRASS/1000², 20 LBS/AC; PLANTING DEPTH 1/4"; SEEDING DATE 3/14/80
 - (2) 0.2 LBS DRY GRASS/1000², 20 LBS/AC; PLANTING DEPTH 1/4"; SEEDING DATE 3/14/80
 - (3) 0.2 LBS LOVE GRASS/1000²; 30 LBS/AC; PLANTING DEPTH 1/4"; SEEDING DATE 3/14/80
 - (4) 0.2 LBS LOVE GRASS/1000²; 30 LBS/AC; PLANTING DEPTH 1/4"; SEEDING DATE 3/14/80
 - (5) 0.2 LBS LOVE GRASS/1000²; 30 LBS/AC; PLANTING DEPTH 1/4"; SEEDING DATE 3/14/80
 - (6) 0.2 LBS LOVE GRASS/1000²; 30 LBS/AC; PLANTING DEPTH 1/4"; SEEDING DATE 3/14/80
 - (7) 0.2 LBS LOVE GRASS/1000²; 30 LBS/AC; PLANTING DEPTH 1/4"; SEEDING DATE 3/14/80
- PERMANENT SEEDING PROCEDURE:**
- (1) APPLY 50 LBS/1000² OF LIMESTONE
 - (2) APPLY FERTILIZER @ RATE OF 25 LBS OF 10-10-10 PER 1000² DEPENDING ON SOIL TESTS
 - (3) HARROW OR DISC FERTILIZER INTO SOIL TO A DEPTH OF 3"
 - (4) SEED WITH W-231 TALL FESCUE @ RATE OF 5 LBS/1000² OR OTHER S.O.S. APPROVED PLAN
 - (5) MULCH WITH SMALL GRAIN STRAW, 15-20 TONS/ACRE (15% 90%/1000²)
 - (6) ANCHOR MULCH WITH SPRAYED ASPHALT @ 0.1 GAL/1000²
 - (7) IF WEATHER PREVENTS PERMANENT STABILIZATION W/500, TEMPORARILY STABILIZE W/ANCHORED MULCH

- VEGETATIVE COVER OPTIONS:**
- FEB 1 TO MAY 1:
- (1) SOD
 - (2) SEED & MULCH
- MAY 1 TO AUG 15:
- (1) SOD
 - (2) MULCH, ANCHOR, & TOOL, THEN SEED DURING NEXT PERIOD
- AUG 15 TO NOV 1:
- (1) SOD
 - (2) SEED & MULCH
- NOV 1 TO FEB 1:
- (1) SOD - DELAY UNTIL NEXT PERIOD
 - (2) IF GROUND IS FROZEN
 - (3) MULCH, ANCHOR, & TOOL, THEN SEED DURING NEXT PERIOD

- DESIGN CRITERIA FOR POND**
1. DRAINAGE AREA 2.5 AC
 2. DISTURBED AREA 2.5 AC
 3. VOL REQ 2.5 X 0.7 = 1.75 CY
 4. VOL PROVIDED @ ELEV 365.00 = 340 CY
 5. DEPTH OF POND @ ELEV 365.00 = 5.0'
 6. CLEANOUT @ 2.5' DEPTH - ELEV 362.5



- SITE ANALYSIS**
1. TOTAL AREA 1.90 AC
 2. DISTURBED AREA 1.90 AC
 3. AREA TO BE PAVED OR ROOFED 1.0 AC
 4. AREA TO BE VEGETATED 0.90 AC



- NOTES:**
- (1) NOTIFY THE HOWARD COUNTY BUREAU OF INSPECTIONS & PERMITS AT LEAST 24 HRS BEFORE STARTING WORK
 - (2) ALL SEDIMENT CONTROL DEVICES ARE TO REMAIN IN PLACE UNTIL PERMISSION FOR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD CO. BUREAU OF INSPECTIONS & PERMITS
 - (3) STRUCTURAL MEASURES SUCH AS BERMS, DIKES, TRAPS, BASINS, ETC. WILL BE INSTALLED & STABILIZED ACCORDING TO THE PLAN PRIOR TO ANY DISTURBANCE OF THE EXISTING SURFACE OF THE SITE.
 - (4) ON-SITE INSPECTION & MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES, INCLUDING CLEANOUT OF TRAPS & BASINS & PROPER ESTABLISHMENT OF ALL PLANNED VEGETATIVE MEASURES WILL BE THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE ON THE SITE ON A CONTINUING BASIS TO 90% SOBS
 - (5) Water & Sewer service to this lot will be granted under the provisions of Sec. 18.122.B of Ho. Co. Code.

ENGINEER HUDKINS' ASSOC., INC. 101 SHELL BUILDING 200 E JOPPA ROAD TOWSON, MARYLAND 21284	
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPT <i>John B. ...</i> HEALTH DEPT OFFICER	8-6-81 DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT <i>William J. ...</i> HOWARD S.C.D. DATE 7-29-81	
REVIEWED FOR HOWARD COUNTY AND NEEDS TECHNICAL REQUIREMENTS DATE 7-29-81	
U.S. SOIL CONSERVATION SERVICE DATE 7-29-81	
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING DATE 5-2-81	
CHIEF DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION DATE 5-2-81	
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE 5-2-81	
CHIEF BUREAU OF ENGINEERING DATE 5-2-81	
DEVELOPER I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL & THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.	
SIGNATURE	DATE
ENGINEER I CERTIFY THAT THE PLAN FOR DEVELOPMENT AND CONSTRUCTION REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PROFESSIONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT <i>Howard ...</i> SIGNATURE DATE	
DEVELOPER LEAMAN PROPERTIES 8850 GORMAN PLAZA BLDG. COLUMBIA, MARYLAND 21045	
ARCHITECT VICTOR SEGINA HARRISBURG, PA.	
OWNER SIELING INDUSTRIAL CENTER SECTION I AREA I PARCEL V-Z RECORDED AS PLAT 4449 ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND SCALE 1" = 30'	
REVISION TO SDP-80-51	DATE
SEDIMENT CONTROL PLAN	OF 2