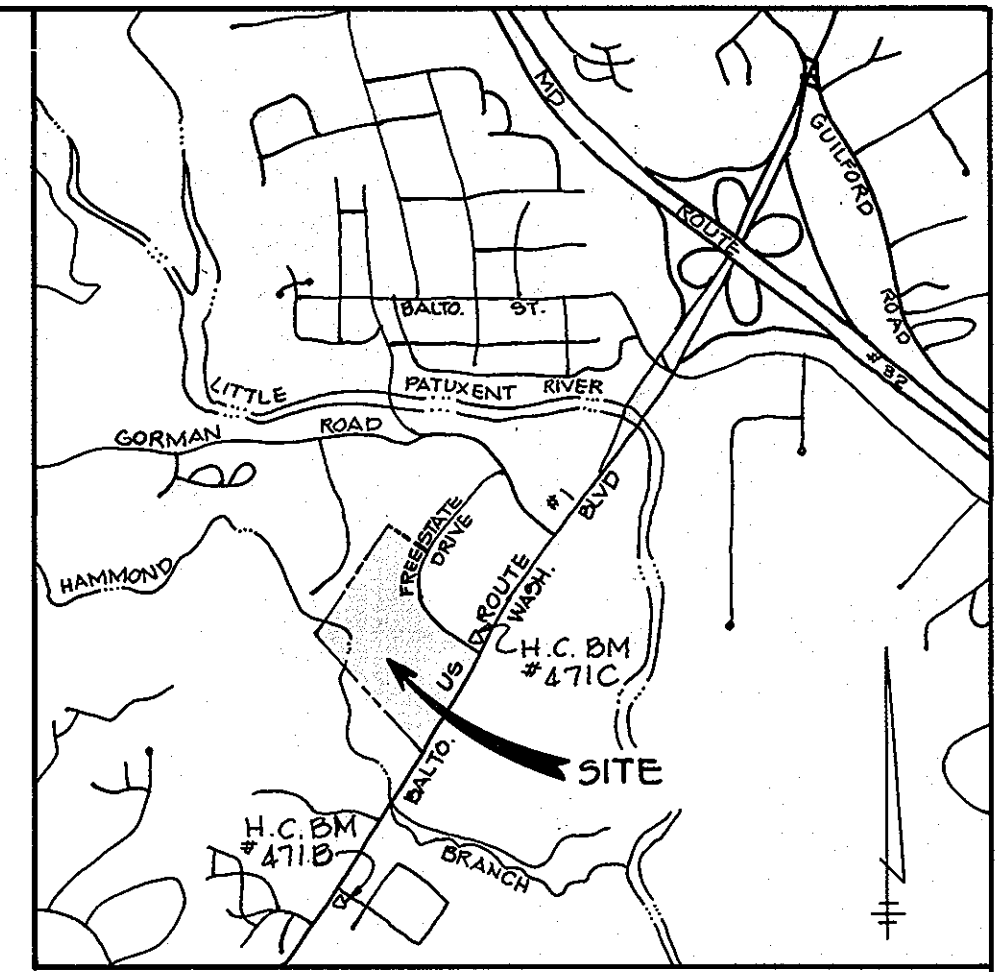


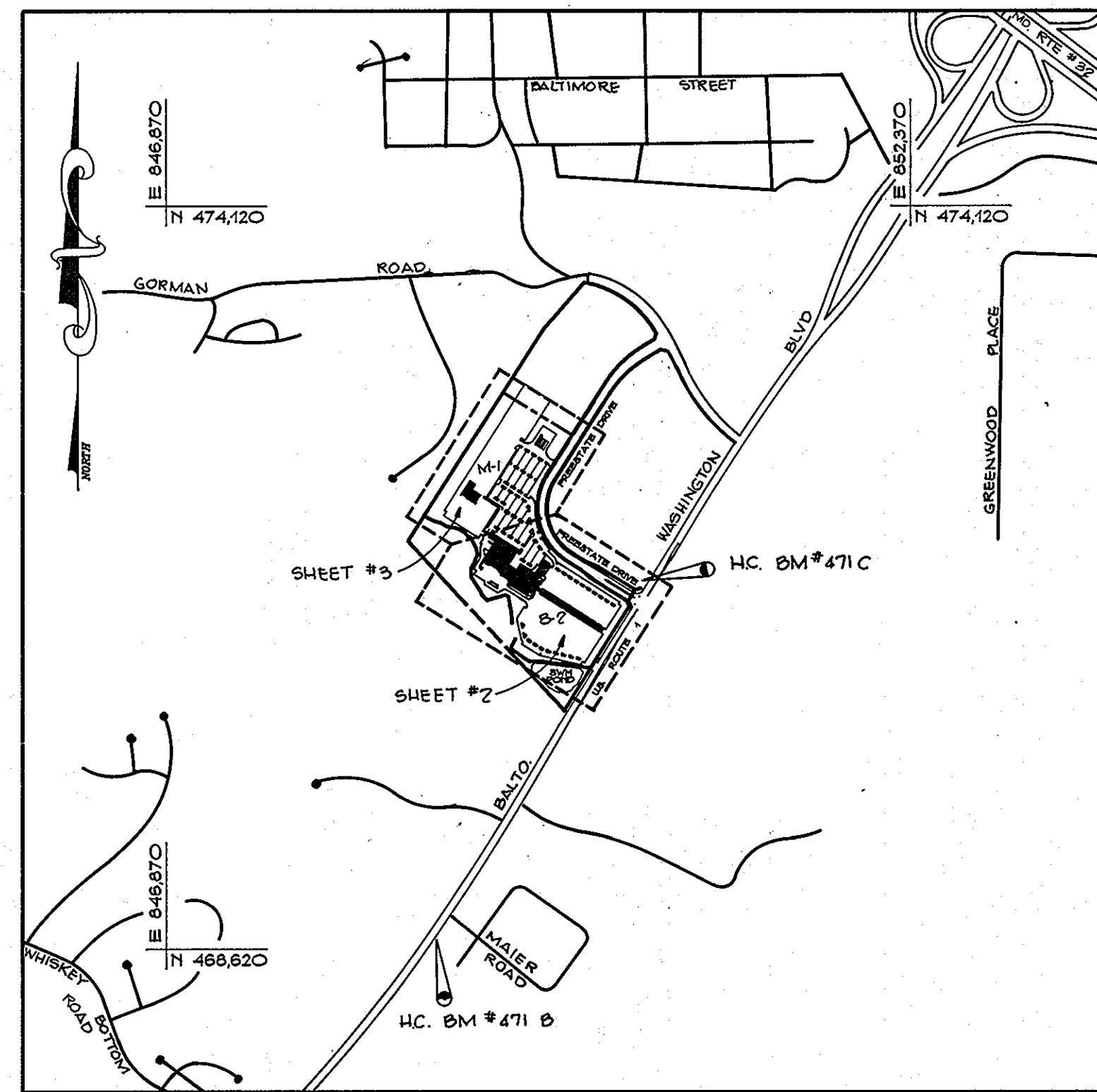
SHEET INDEX	
NO.	DESCRIPTION
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	SEDIMENT CONTROL PLAN
5	SEDIMENT CONTROL PLAN
6	SEDIMENT CONTROL NOTES AND DETAILS
7	DETAILS
8	DRAINAGE AREA MAP
9	MISC. PROFILES
10	SITE GEOMETRY
11	WATER QUALITY DETAILS
12	PAVING PLAN AND DETAILS
13	STORM DRAIN PROFILES
14	STORM DRAIN PROFILES
15	LANDSCAPE PLAN
16	LANDSCAPE PLAN
17	LIGHTING PLAN
18	LIGHTING PLAN



VICINITY MAP  
SCALE: 1" = 2000'

## 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

(FORMERLY SDP 96-147)  
SITE ANALYSIS



LOCATION MAP  
SCALE: 1" = 1000'

TOTAL AREA OF PARCEL B = 46.91 AC. OR 1999798 SQ. FT.  
TOTAL AREA OF THIS SUBMISSION = 33.24 AC. OR 1,447,935 SQ. FT.  
ZONING: M-1 = 16.64 AC. AND B-2 = 16.60 AC.  
PROPOSED USE = COMMERCIAL IE; AUTO SALES AND SERVICE.  
THERE ARE NO EXISTING OR PROPOSED SLOPES 15% OR GREATER EXCEPT AS SHOWN.  
THE SOILS TYPES SHOWN ON THESE PLANS ARE AS SHOWN IN THE 'HOWARD COUNTY SOILS SURVEY'. THE SITE HAS SINCE BEEN REGRADED, AS PER F-92-74. THIS MAY NOT BE AN ACCURATE DEPICTION OF PRESENT SOIL CONDITIONS.

WETLANDS AND FLOODPLAINS ARE AS SHOWN ON DRAWINGS.  
ALL EXISTING VEGETATION ON SITE IS IN THE FORM OF LAWN.  
OPEN SPACE (GREEN AREA) TO REMAIN ON SITE = 373,395 SQ. FT. OR 25.0% OF GROSS AREA

BUILDING COVERAGE OF SITE = 10,715 SQ. FT. ± OR 25% OF GROSS AREA  
BUILDING 'A' MAIN BUILDING = 84,325 SQ. FT. (INCLUDES 2ND FLOOR = 78% SF) AUTO SALES  
BUILDING 'B' DETAILING BUILDING = 13,189 SQ. FT. AUTO SERVICE  
BUILDING 'C' CARWASH = 1,104 SQ. FT.  
BUILDING 'D' AUCTION BUILDING = 7,800 SQ. FT.  
BUILDING 'E' = 4,797 SQ. FT.  
TOTAL AREA TO BE DISTURBED = 107,215 SQ. FT.

32.98 ACRES

PARKING TABULATION

A. BUILDING AREA (EXCLUDING SERVICE BAYS):		
1) BLDG. A: 45,979 SQ. FT. @ 2 SPACES / 1000 SQ. FT.		= 92 SPACES REQUIRED
2) BLDG. B: 9,347 SQ. FT. @ 2 SPACES / 1000 SQ. FT.		= 19 SPACES REQUIRED
3) BLDG. C: 1,104 SQ. FT. @ 4 SPACES		= 4 SPACES REQUIRED
4) BLDG. D: 7,800 SQ. FT. @ 2 SPACES / 1000 SQ. FT.		= 15 SPACES REQUIRED
5) BUILDING 'E': 4,797 SQ. FT. @ 2 SPACES / 1000 SQ. FT.		= 10 SPACES REQUIRED
B. OUTDOOR DISPLAY AREA: 348,350 SQ. FT. @ 1 SPACE / 1,000 SQ. FT.		= 349 SPACES REQUIRED
C. SERVICE BAYS IN BUILDING A: 44 @ 3 SPACES PER BAY (9800 SQ. FT.)		= 132 SPACES REQUIRED
D. TOTAL NUMBER OF PARKING SPACES REQUIRED		= 621 SPACES REQUIRED
E. TOTAL NUMBER OF PARKING SPACES PROVIDED		= 691 SPACES PROVIDED
F. OUTDOOR DISPLAY AREA SPACES:		= 1191 SPACES PROVIDED
G. STAGING AREA SPACES: (WIP SPACES)		= 1,132 SPACES PROVIDED
H. TOTAL HANDICAP SPACES REQUIRED		= 43 SPACES
REGULAR HANDICAP SPACES PROVIDED		= 3 SPACES
8' X 18' TYPICAL (WITH 5' AISLE)		
VAN ACCESSIBLE HANDICAP SPACES PROVIDED		= 5 SPACES
8' X 18' TYPICAL (WITH 8' AISLE)		
TOTAL HANDICAP SPACES PROVIDED		= 14 SPACES

AN ENVIRONMENTAL CONCEPT PLAN FOR THIS SITE WAS APPROVED ON G-16-11

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV IE; STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- THE LOCATIONS OF THE UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND DEPTH OF ANY UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEERING OFFICE, PHOENIX ENGINEERING, INC. AT (410) 247-8683 IN THE EVENT OF ANY DISCREPANCIES IN THE PLANS OR IN THE RELATIONSHIP OF FINISHED GRADES TO EXISTING GRADES, PRIOR TO BEGINNING ANY WORK.
- THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK ON THESE DRAWINGS:  
 \*MISS UTILITY.....(800) 257-7777  
 BALTIMORE GAS & ELECTRIC COMPANY.....(410) 685-0123  
 C&P TELEPHONE.....(410) 725-9976  
 AT&T CABLE LOCATION DIVISION.....(410) 393-3553  
 HOWARD COUNTY BUREAU OF UTILITIES.....(410) 393-3648  
 HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK).....(410) 393-3648
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINE OF EXCAVATION HAS BEEN BROUGHT TO SUBGRADE.
- ALL SPOT ELEVATIONS SHOWN ARE TOP OF PROPOSED PAVING OR CONCRETE. WHEN ADJACENT TO CURB ELEVATION SHOWN IS BOTTOM OF CURB FLOWLINE.
- ALSO SEE PREVIOUS FILE #'S: ZB 917M, S 90-28, P 91-02, F 92-74, F 96-29, WP 91-01, WP 91-52, WP 91-207, WP 92-166, RESOLUTION 139 AND RESOLUTION 251, SDP 96-147 AND F09-71.
- STORMWATER MANAGEMENT WAS PROVIDED UNDER F 92-74. HOWEVER ADDITIONAL PRETREATMENT OF RUNOFF WILL BE PROVIDED WITH 4 STORMCEPTORS (SEE SHEET #11 WET POND).
- HANDICAP RAMPS SHALL MEET ADA REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY BUILDING PERMITS FOR CONSTRUCTION.
- TOPO TAKEN FROM SURVEY BY GREENHORNE AND OMARA, INC. DATED JANUARY 1996
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE GRID COORDINATES, AS PER PLAT NO.'S 11899 THRU 11894.
- CONTRACTOR SHALL USE DIMENSIONS SHOWN. SCALING OF THESE PLANS IS DISCOURAGED UNLESS DIRECTED BY THE CIVIL ENGINEER.
- ANY DAMAGE TO COUNTY RIGHT-OF-WAY AND PAVING OF PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY SPECIFICATIONS AND STANDARDS.

LEGEND

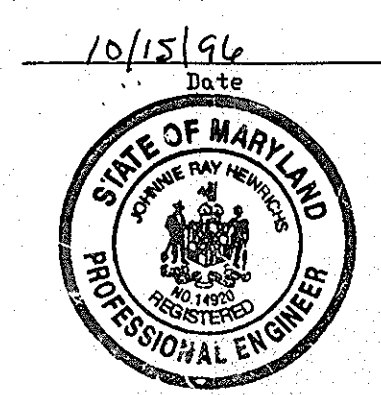
- 100--- EX. CONTOUR
- 100— PROP. CONTOUR
- 52 X 61 SPOT ELEVATION
- — — — — PROP. STORM DRAIN
- — — — — PROPERTY LINE
- --- --- ZONING LINE

BM #471B ELEV. 180.709  
3/4" REBAR AND ALUMINUM CAP ON EAST SIDE OF U.S. ROUTE #1, 2.4' BEHIND CURB AND 70.5' SOUTH OF BG&E POLE #30202  
NORTHING 161453.3643  
EASTING 414976.8122

BM #471C ELEV. 189.047  
ALUMINUM DISC ON CONCRETE MONUMENT SET FLUSH WITH GROUND ON WEST SIDE OF U.S. ROUTE #1, @ INTERSECTION OF FREESTATE DRIVE AND ROUTE #1, 3.0' BEHIND CURB AND 63.4' FROM FIRE HYDRANT  
NORTHING 162165.1670  
EASTING 415388.0797

ADDRESS CHART

LOT No.	STREET ADDRESS
PAR. B-1	8800 FREESTATE DRIVE
SUBDIVISION NAME	SECT./AREA N/A
FREESTATE	PARCEL B-1
PLAT	BLOCK
15791-93	17
ZONE	TAX/ZONE
M-1 & B-2	MAP 47
ELEC. DIST.	CENSUS TR.
6th	6069.02
WATER CODE	SEWER CODE
C 05	722 0000



7-12-11		ADDED WHC & SHC TO GUARD HOUSE & REV. PARKING
6-17-11		BLDG 'V' ADDN. W/ADDED PARKING & GUARD SHACK
5-4-07		ADDED 600 SF EXPANSION TO BLDG 'D' AND 72 SF EXPANSION TO BLDG 'E'
3-10-03		MOVED PAINT BLDG 'E'
6-20-02		ADDED PAINT BLDG 'E'
5-29-02		ADDED ADDITION TO BUILDING 'B'
5-9-02		ADDED 108 W.I.P. SPACES @ BUILDING 'D'
DATE	NO.	REVISION

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*James M. Boyd MD* 1/23/97  
CORP. HEALTH OFFICER H.E. DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Richard Blood* 1/24/97  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*Mark J. Laugel* 1/24/97  
DIRECTOR DATE

Date	No.	Revision Description
11-10-01		ADDED BUILDING 'D'
5-7-01		ADDED CARPORTS AND 260 WIP SPACES

OWNER: ACME COMMERCIAL CORPORATION  
6500 MALLARD DRIVE  
RODMOND, VIRGINIA 22328  
ATTN: BENJAMIN R. CUMMINGS, JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
3343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30326  
ATTN: MICHAEL R. MCLOD (414) 238-0265

PHOENIX ENGINEERING, INC.  
CONSULTING ENGINEERS  
815 MARDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833 FAX 247-8997

AREA PLAT NO. 15791-93 CENSUS TRACT NO. 6069.02  
FREESTATE CARMAX PARCEL B-1 & B-2  
8800 FREESTATE DRIVE  
TAX MAP NO. 47 ELEC. DIST. No. 6 HOWARD COUNTY, MARYLAND PARCEL 142

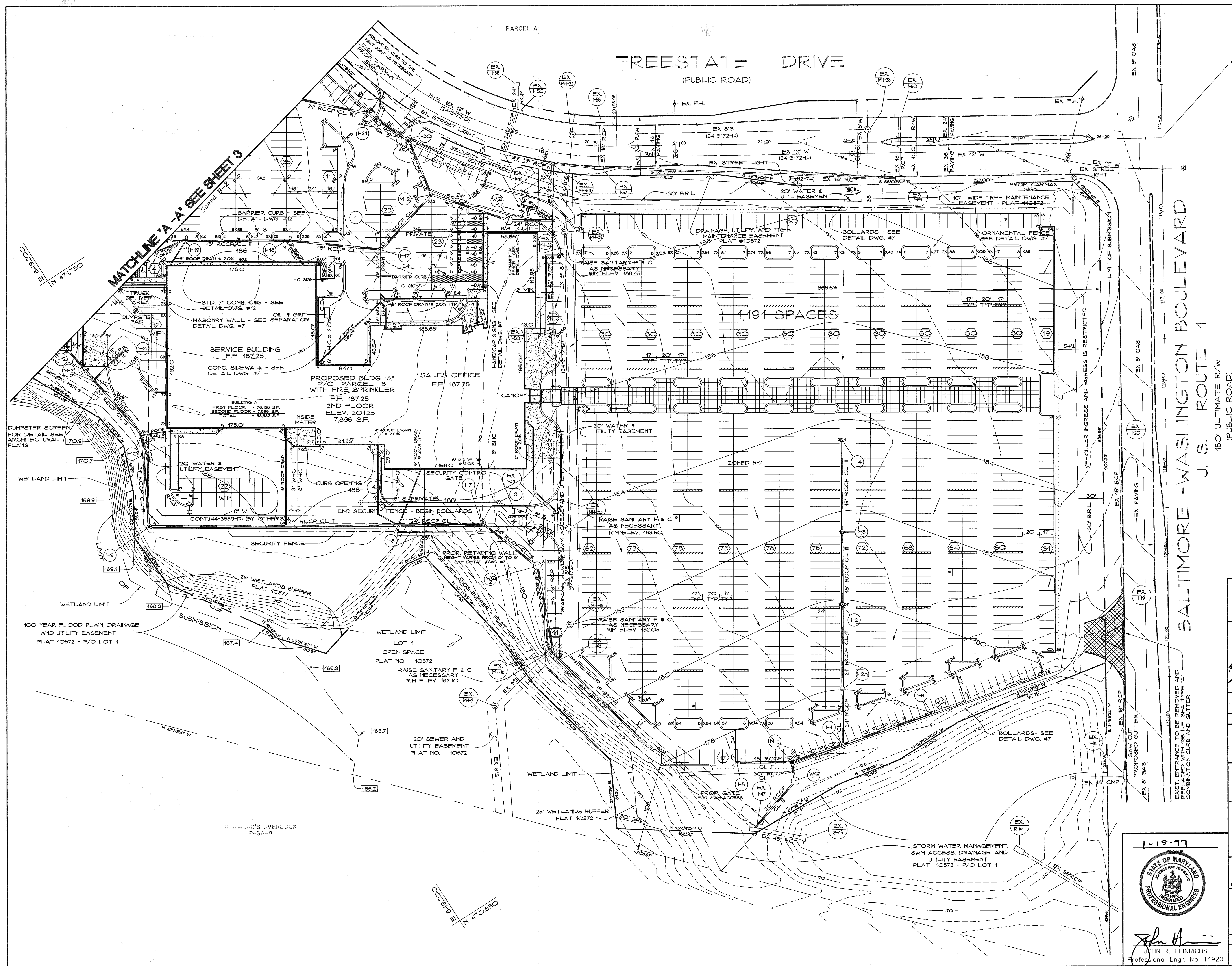
TITLE FORMERLY SDP 96-147 **CARMAX** THE AUTO SUPERSTORE JAN 15 1997

AMENDED COVER SHEET

Des By	R.J.W.	Scale	AS SHOWN	Proj No	CMCOVER.DWG 96-010
Des By	A.J.R.	Date	OCTOBER 1996		
Des By	J.R.H.	SDP	96-147		

1 OF 18  
SDP-97-49

3/29/97 0:00:00 AM X:\M\97\12 18:55:06 1283



115+12.76 U.S. 1  
+26+69.39 FREESTATE DR.

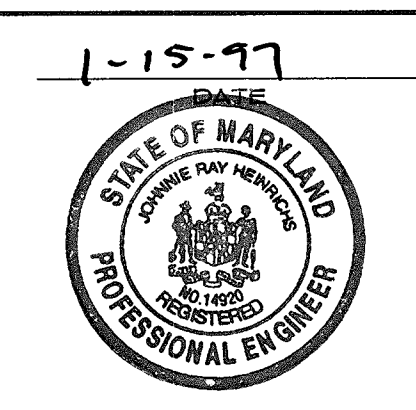
BALTIMORE - WASHINGTON BOULEVARD  
U.S. ROUTE 1  
150' ULTIMATE R/W  
(PUBLIC ROAD)

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY ENGINEER OFFICER *James M. Boyd* 1/23/97  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION *Mark D. Danner* 1/24/97  
 CHIEF, DIVISION OF LAND DEVELOPMENT *Richard Blood* 1/24/97  
 DIRECTOR *Mark J. Taylor* 1/24/97

OWNER: ACME COMMERCIAL CORPORATION  
 9909 MANTLAND DRIVE  
 RICHMOND, VIRGINIA 23233  
 ATTN: BENJAMIN B. CUMMINGS, JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 3343 PEACHTREE ROAD N.E., SUITE 1050  
 ATLANTA, GEORGIA 30326  
 ATTN: MICHAEL B. MCLOD (414) 238-0265

PHOENIX ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 813 MAIDEN CHOICE LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8833 FAX 247-9397

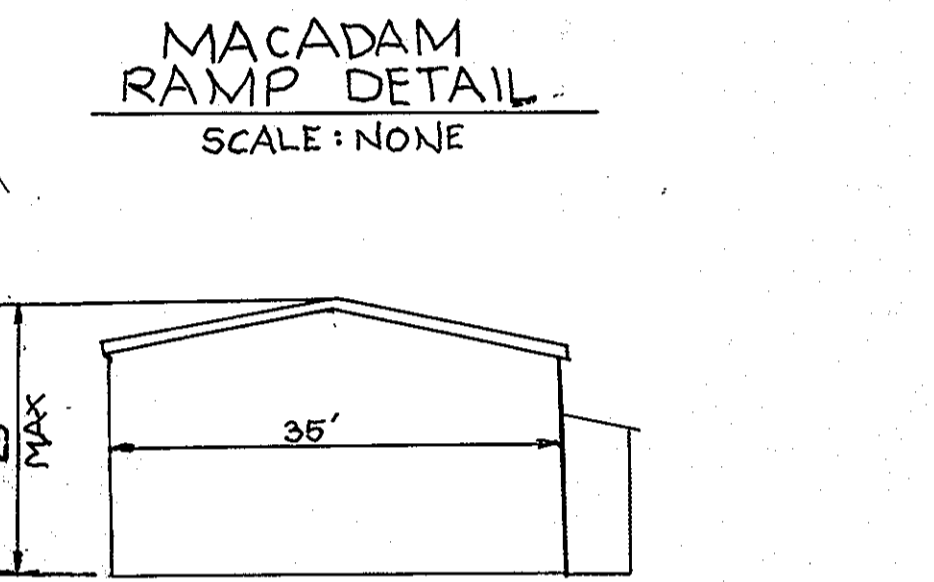
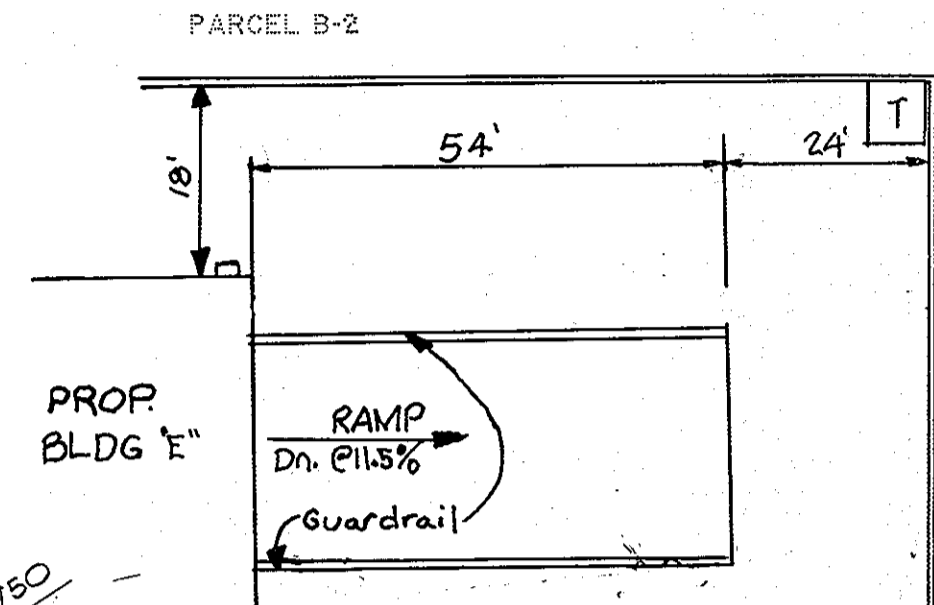
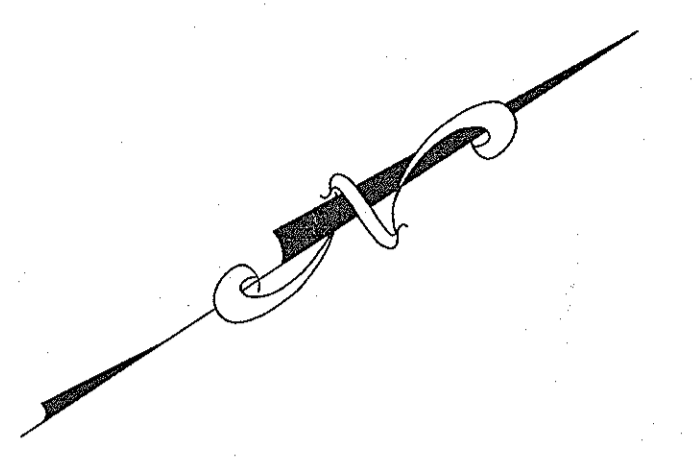
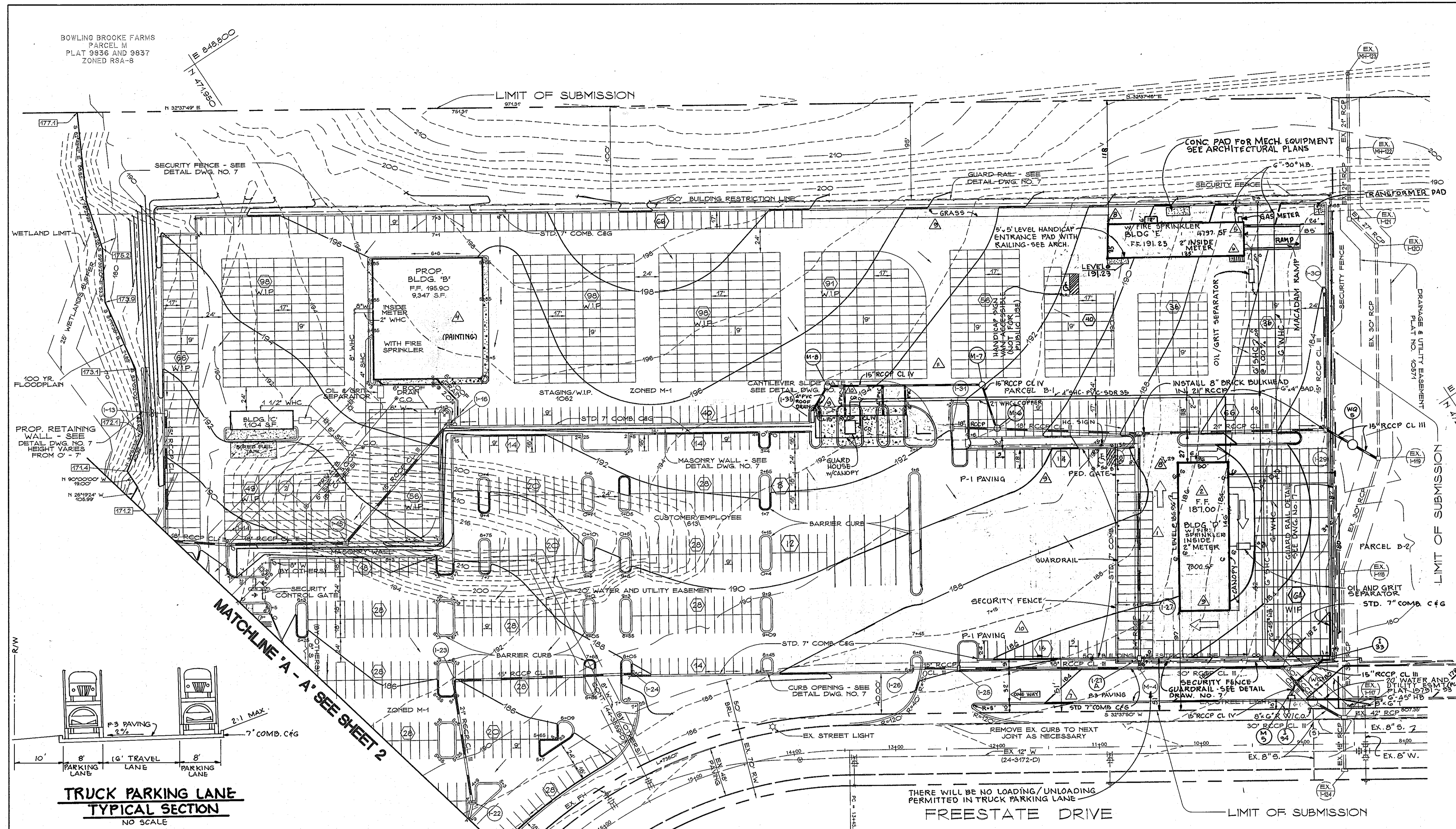


1-15-97  
 JOHN R. HEINRICHS  
 Professional Engr. No. 14920

AREA PLAT NO. 11889-11891 CENSUS TRACT No. 6065.02  
 FREESTATE CARMAX P/O PARCEL B  
 8800 FREESTATE DRIVE  
 TAX MAP No. 47 ELEC. DIST. No. 6 HOWARD COUNTY, MARYLAND PARCEL 142  
 TITLE FORMERLY **CARMAX** THE AUTO SUPERSTORE JAN 15 1997  
 AMENDED SITE DEVELOPMENT PLAN  
 Des By R.J.W. Scale 1" = 50' Proj No 96-010  
 Dm By A.J.R. Date DECEMBER 1996 DRAWING NO  
 Ck By J.R.H. Approved 2 OF 18

1991 01 02 01 11 06.1 182 SMA:RHW/010-00/02/03

BOWLING BROOKE FARMS  
PARCEL #  
PLAT 9836 AND 9837  
ZONED RSA-8



NOT TO SCALE

DATE	NO.	REVISION
6-20-11	1	BLDG. D ADDN. W/ADDED PARKING & GUARD HOUSE IMP.
5-4-07	1	ADDED 600 SF EXPANSION TO BLDG. D AND 72 SF EXPANSION TO BLDG. E
9-01-05	1	ADDED TRUCK PARKING LANE
3-10-03	1	MOVED PAINT BLDG. E
6-20-02	1	ADDED PAINT BLDG. E
5-25-02	1	ADDED ADDITION TO BUILDING 'B'
5-9-02	1	ADDED 108 W.I.P. SPACES @ BUILDING 'D'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. Boyd MD* 1/23/97  
COUNTY HEALTH OFFICER

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Richard Blood* 1/21/97  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Richard Blood* 1/21/97  
CHIEF, DIVISION OF LAND DEVELOPMENT

*John R. Heinrichs* 1/24/97  
DIRECTOR

DATE	NO.	REVISION DESCRIPTION
11-10-01	1	ADDED BUILDING 'D'
5-7-01	1	ADDED CARPORTS AND 260 WIP SPACES

OWNER: ACME COMMERCIAL CORPORATION  
8950 MAYLAND DRIVE  
RICHMOND, VIRGINIA 23235  
NEW YORK, NEW YORK 10007  
ATTN: BENJAMIN B. CUMMINGS, JR.

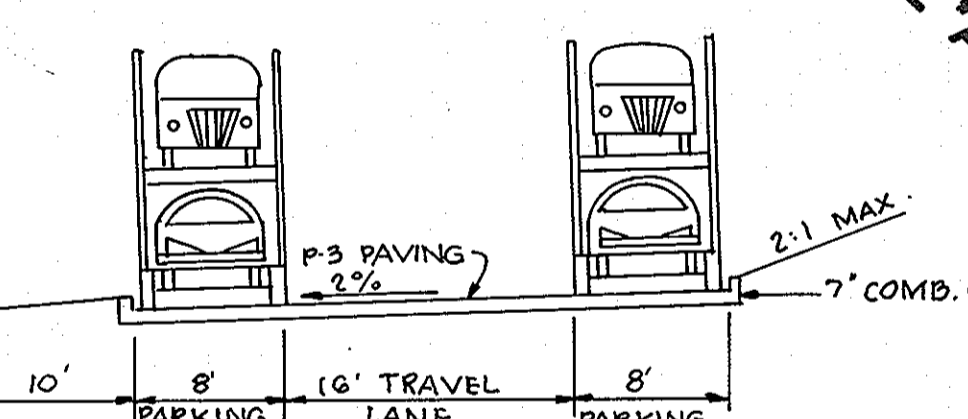
DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
3343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30329  
ATTN: MICHAEL B. MCLOD (414) 238-0285

PHOENIX ENGINEERING, INC.  
CONSULTING ENGINEERS  
813 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833 FAX 247-9397

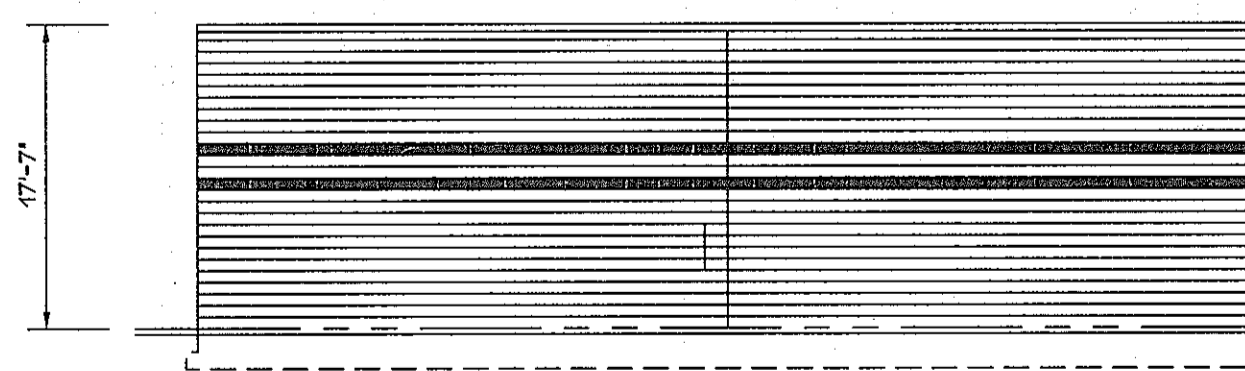
AREA PLAT NO. 15791-93 CENSUS TRACT NO. 6069.02  
FREESTATE CARMAX PARCEL B-1 & B-2  
8800 FREESTATE DRIVE  
TAX MAP NO. 47 ELEC. DIST. NO. 6, HOWARD COUNTY, MARYLAND PARCEL 142  
TITLE: CARMAX  
FORMERLY SDP 96-147  
JAN 15 1997

AMENDED SITE DEVELOPMENT PLAN  
Des. By: R.J.W. Scale: 1" = 50' Proj. No.: PLAZ2.DWG 96-010  
Dm. By: A.J.R. Date: DECEMBER 1996 DRAWING NO.: 3 OF 18  
Chk. By: J.R.H. Approved: 600-06-142

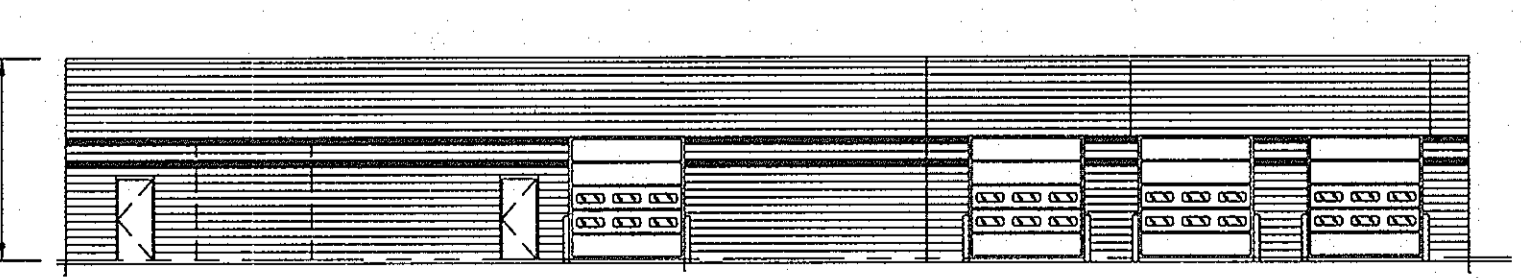
1-15-97  
STATE OF MARYLAND  
JOHN R. HEINRICHS  
Professional Engr. No. 14920



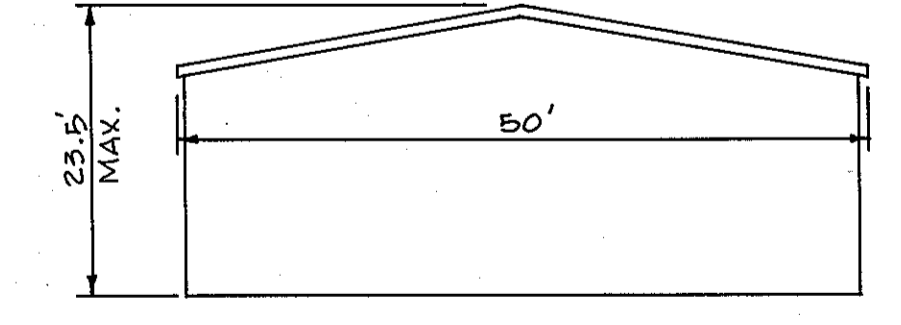
TRUCK PARKING LANE TYPICAL SECTION  
NO SCALE



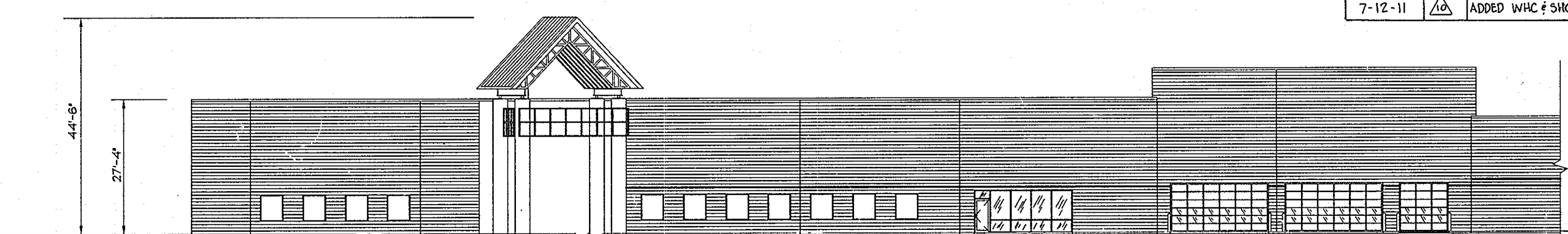
SCHEMATIC OF BUILDING "C"  
NOT TO SCALE



SCHEMATIC OF BUILDING "B"  
NOT TO SCALE



SCHEMATIC OF BUILDING "D"  
NOT TO SCALE



SCHEMATIC OF BUILDING "A"  
NOT TO SCALE

NOTE: INDICATES STAGING AREA (WORK IN PROGRESS) PARKING TO BE USED FOR THE TEMPORARY STORAGE OF VEHICLES BEING PREPARED FOR FUTURE SALE. THESE SPACES ARE NOT FOR CUSTOMER OR EMPLOYEE PARKING.

DATE	REVISION
4-10-12	REVISED 15' SD FROM M-1-G TO I-35
7-12-11	ADDED WHC # 5HC TO GUARD HOUSE - REV. M-1-G # I-35 LOCATION

1/28/91 8:30 AM 1/11/96 1:11 PM 1/11/96 1:11 PM 1/11/96 1:11 PM

**SEDIMENT TRAP NO. 4**  
ST I PIPE OUTLET SEDIMENT TRAP

DRAINAGE AREA 4.72 AC.  
 DIST. AREA 4.72 AC.  
 WET STOR. REQ'D 8496 C.F.  
 WET STOR. PROV. 8546 C.F.  
 DRY STOR. REQ'D 8496 C.F.  
 DRY STOR. PROV. 8529 C.F.  
 TOP EMBANKMENT ELEV. 162.25  
 BOTTOM ELEV. 177.0  
 CREST ELEV. 161.25  
 CLEANOUT ELEV. 173.30  
 SIDE SLOPES INSIDE 2:1  
 OUTSIDE 3:1  
 BOTTOM DIMENSIONS 44 X 68 X 4.0  
 PIPE INV. @ INLET 174.52

**SEDIMENT TRAP NO. 2**  
ST II STONE OUTLET SEDIMENT TRAP

DRAINAGE AREA 4.81 AC.  
 DIST. AREA 4.81 AC.  
 WET STOR. REQ'D 8658 C.F.  
 WET STOR. PROV. 8701 C.F.  
 DRY STOR. REQ'D 8658 C.F.  
 DRY STOR. PROV. 8989 C.F.  
 TOP EMBANKMENT ELEV. 162.0  
 BOTTOM ELEV. 177.0  
 CREST ELEV. 179.21  
 CLEANOUT ELEV. 176.50  
 SIDE SLOPES INSIDE 2:1  
 OUTSIDE 3:1  
 BOTTOM DIMENSIONS 47 X 72 X 4.0  
 PIPE INV. @ INLET 175.94

**SEDIMENT TRAP NO. 1**  
ST IV STONE / RIPRAP OUTLET SEDIMENT TRAP

DRAINAGE AREA 9.64 AC.  
 DIST. AREA 9.64 AC.  
 WET STOR. REQ'D 17352 C.F.  
 WET STOR. PROV. 17428 C.F.  
 DRY STOR. REQ'D 17352 C.F.  
 DRY STOR. PROV. 18635 C.F.  
 TOP EMBANKMENT ELEV. 173.0  
 BOTTOM ELEV. 173.0  
 CREST ELEV. 177.0  
 CLEANOUT ELEV. 174.1  
 SIDE SLOPES INSIDE 2:1  
 OUTSIDE 3:1  
 BOTTOM DIMENSIONS 82 X 92 X 4.0

TYPE	SYMBOL	DESCRIPTION
C	BeA	BELTSVILLE SILT LOAM, 0 TO 1% SLOPES
C	BeB2	BELTSVILLE SILT LOAM, 0 TO 5% SLOPES, MODERATELY ERODED
D	Ho	HATBORO SILT LOAM
C	Md	MADE LAND
B	M6F	MONTALTO AND RELAY VERY STONEY SILT LOAM, 25 TO 60% SLOPES
B	NeB2	NESHAMINY SILT LOAM, 3 TO 8% SLOPES, MODERATELY ERODED
B	NeC2	NESHAMINY SILT LOAM, 8 TO 15% SLOPES, MODERATELY ERODED
D	W6B	WATCHUNG SANDY LOAM, 1 TO 5% SLOPES, MODERATELY ERODED

**ENGINEER'S CERTIFICATE**

I, J. HEINRICHS, 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 COUNTY SOIL CONSERVATION DISTRICT.

ENGINEER: JOHN H. HEINRICHS, VICE PRESIDENT  
 PHOENIX ENGINEERING, INC.  
 DATE: 1-15-97

**DEVELOPER'S CERTIFICATE**

I, MICHAEL B. MCLOAD, CERTIFY THAT ALL DEVELOPMENT AND 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 HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER: MICHAEL B. MCLOAD, VICE PRESIDENT  
 INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 DATE: 12-11-96

**FREESTATE DRIVE**  
(PUBLIC ROAD)

**BALTIMORE - WASHINGTON BOULEVARD**  
U. S. ROUTE 1  
150' ULTIMATE R/W  
(PUBLIC ROAD)

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*Cheryl S. Semmons* 01-22-97  
 NATURAL RESOURCES CONSERVATION SERVICES DATE

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

*John R. Robertson* 1/22/97  
 HOWARD S.O.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. Boyd MD* 1/23/97  
 COUNTY HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Michael B. McLoad* 1/24/97  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Richard B. Boyd* 1/21/97  
 CHIEF, DIVISION AND LAND DEVELOPMENT DATE

*David S. Taylor* 1/23/97  
 DIRECTOR DATE

OWNER: ACME COMMERCIAL CORPORATION  
8800 MARYLAND DRIVE  
RICHMOND, VIRGINIA 23235  
ATTN: BENJAMIN B. CUMMINGS, JR.

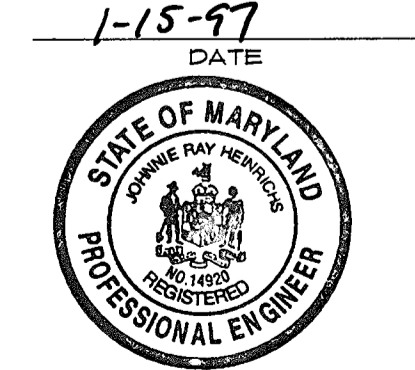
DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
3343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30326  
ATTN: MICHAEL B. MCLOAD (414) 238-0265

**PHOENIX ENGINEERING, INC.**  
CONSULTING ENGINEERS  
813 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833 FAX 247-9397

AREA PLAT NO. 11889-11891 CENSUS TRACT NO. 6069.02  
 PRESTATE CARMAX P/O PARCEL B  
 TAX MAP NO. 47 ELEC. DIST. NO. 6 HOWARD CO. MD. PARCEL 142

TITLE: **Carmax**  
 FORMERLY SDP 96-147  
 THE AUTO SUPERSTORE  
 JAN 15 1997

**AMENDED SEDIMENT EROSION CONTROL PLAN**  
 Des By: R.J.W. Scale: 1" = 50' Proj No: SDP 97-49  
 Dm By: A.J.R. Date: DECEMBER 1996 DRAWING NO: 4 OF 19  
 Ck By: J.R.H. Approved: SDP 97-49

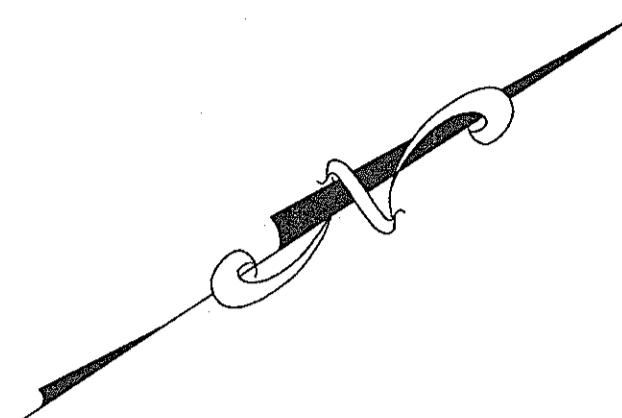
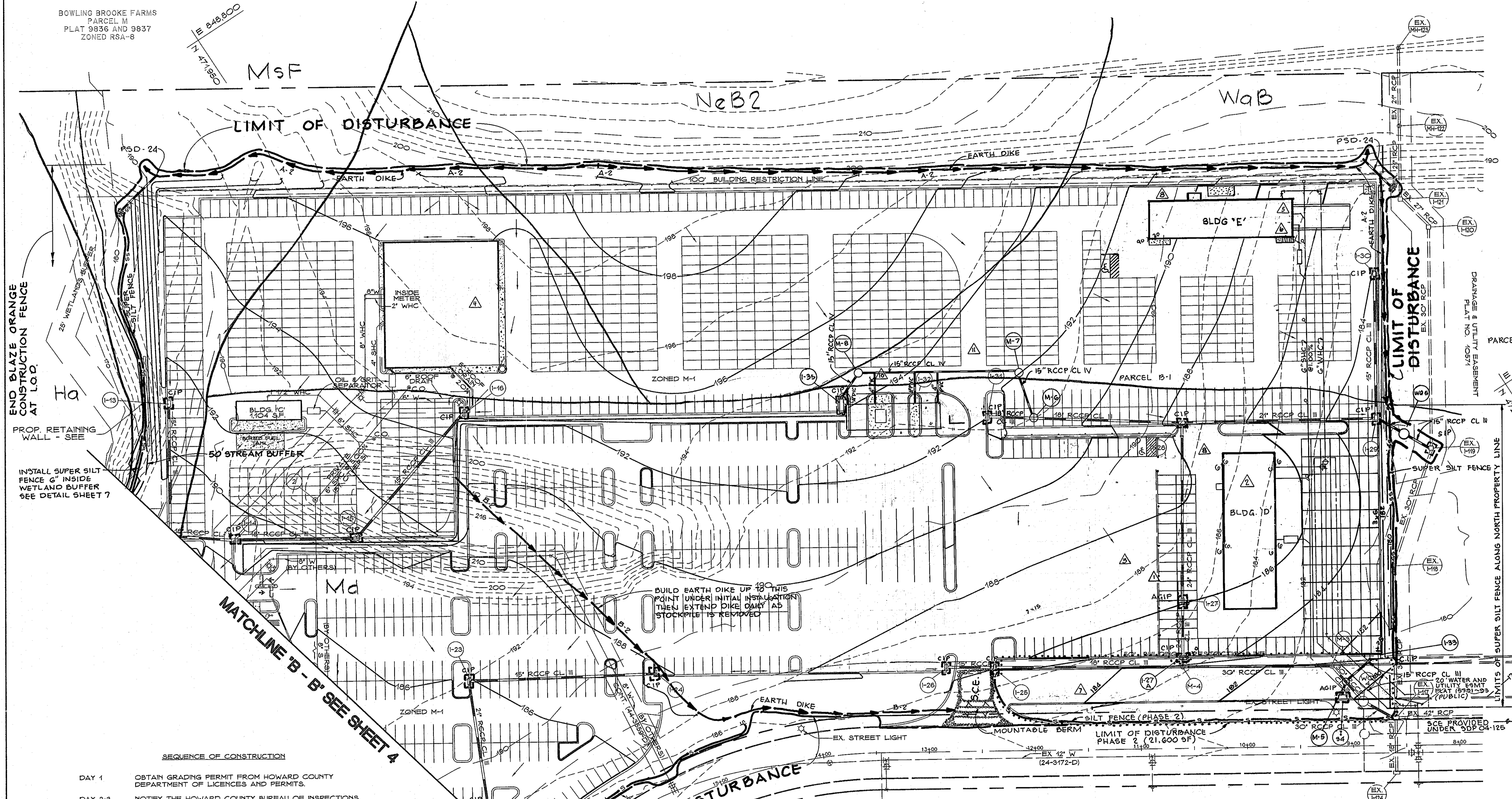


STORMWATER MANAGEMENT IS PROVIDED UNDER F-92-74

SDP-97-49

© 1997/08/01-01/20/2000/01/18 10:18:48 10.1828

BOWLING BROOKE FARMS  
PARCEL M  
PLAT 9836 AND 9837  
ZONED RSA-8



END BLAZE ORANGE  
CONSTRUCTION FENCE  
AT LOD.

INSTALL SUPER SILT  
FENCE 6" INSIDE  
WETLAND BUFFER  
SEE DETAIL SHEET 7

MATCHLINE 'B' - 'B' SEE SHEET 4

SEQUENCE OF CONSTRUCTION

- DAY 1 OBTAIN GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF LICENCES AND PERMITS.
- DAY 2-3 NOTIFY THE HOWARD COUNTY BUREAU OF INSPECTIONS AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK.
- DAY 4-10 CLEAR AND GRUB AREA FOR AND INSTALL ALL PERIMETER SEDIMENT CONTROL DEVICES.
- DAY 11-18 AFTER ALL PERIMETER SEDIMENT CONTROL DEVICES ARE IN PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE SEDIMENT CONTROL INSPECTOR, THEN CLEAR AND GRUB REMAINDER OF THE SITE.
- DAY 19-36 GRADE SITE MAINTAINING POSITIVE DRAINAGE TO ALL SEDIMENT CONTROL DEVICES AT ALL TIMES.
- DAY 37-39 STABILIZE ALL DISTURBED AREAS AS PER TEMPORARY SEEDING NOTES.
- DAY 40-75 CONSTRUCT ALL UTILITIES: STORM DRAINS ETC. PROVIDING INLET PROTECTION TO ALL INLETS IMMEDIATELY UPON CONSTRUCTION.
- DAY 76-125 AFTER ALL UTILITIES ARE IN PLACE CONSTRUCT BUILDINGS, CURBS, AND PARKING AREAS.
- DAY 126-128 STABILIZE ALL DISTURBED AREAS AS PER PERMANENT SEEDING NOTES.
- DAY 129-135 WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE DISTURBED AREAS AS PER PERMANENT SEEDING NOTES.

BUILD EARTH DIKE UP TO THIS POINT UNDER INITIAL INSTALLATION THEN EXTEND DIKE DAILY AS STOCKPILE IS REMOVED

FREESTATE DRIVE  
(PUBLIC ROAD)

ENGINEER'S CERTIFICATE  
"I/WE 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 COUNTY SOIL CONSERVATION DISTRICT."

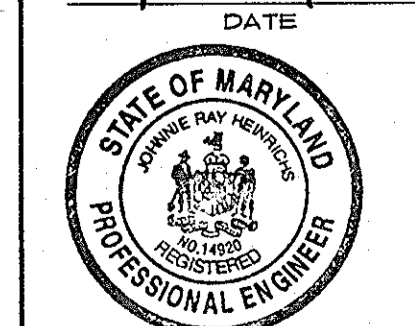
John H. Henrichs  
1-15-97  
ENGINEER JOHN R. HENRICHS, VICE PRESIDENT  
PHOENIX ENGINEERING, INC.

DEVELOPER'S CERTIFICATE  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND 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 HOWARD SOIL CONSERVATION DISTRICT."

M. D. Felton  
12-1-96  
DEVELOPER MICHAEL FELTON, VICE PRESIDENT  
INDUSTRIAL DEVELOPMENTS INTERNATIONAL

SEDIMENT TRAP NO. 3  
ST. IV. STONE / RIPRAP OUTLET SED. TRAP

DRAINAGE AREA	9.84 AC.
DISTURBED AREA	8.9 AC.
WET VOLUME REQD.	1772 C.F.
WET VOLUME PROV.	17787 C.F.
DRY VOLUME REQD.	17712 C.F.
DRY VOLUME PROV.	18322 C.F.
TOP EMBANKMENT ELEV.	182.0
BOTTOM ELEV.	177.0
CREST ELEV.	179.02
CLEANOUT ELEV.	178.12
SIDE SLOPES	INSIDE 2:1 OUTSIDE 3:1
BOTTOM DIM.	64 X 148 X 4.0



STORMWATER MANAGEMENT  
IS APPROVED UNDER F-92-74

DATE	NO.	REVISION
4-19-12	1	REVISED 15' SD FROM M-6 TO 1-35
7-12-11	2	REVISED SD BETWEEN 1-31 AND 1-35
6-20-11	3	BLDG 'D' ADDITION AND GUARD HOUSE IMPROVEMENTS
5-4-07	4	ADDED 600 SF EXPANSION TO BLDG. 'D' AND 72 SF EXPANSION TO BLDG 'E'
9-01-05	5	ADDED TRUCK PARKING LANE
3-10-03	6	MOVED PAINT BLDG 'E'
6-20-02	7	ADDED PAINT BLDG 'E'
5-25-02	8	ADDED ADDITION TO BUILDING 'B'
5-9-02	9	ADDED 108 W.I.P. SPACES & BUILDING 'D'

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Cheryl J. Dunnington 01-22-97  
NATURAL RESOURCE CONSERVATION SERVICES DATE

John R. Robertson 1/23/97  
HOWARD S.C.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Coyle M. Bayle MD 1/23/97  
COUNTY HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Richard Blum 1/24/97  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Richard Blum 1/21/97  
CHIEF, DIVISION AND LAND DEVELOPMENT DATE

James J. Taylor 1/24/97  
DIRECTOR DATE

Date	No.	Revision Description
11-10-01	1	ADDED BUILDING 'D'
5-7-01	2	ADDED CARPORTS AND 200 WIP SPACES

OWNER: ACME COMMERCIAL CORPORATION  
9850 MAYLAND DRIVE  
RODMOND, VIRGINIA 22053  
ATTN: BENJAMIN B. COUMINGS

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
3343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30328  
ATTN: MICHAEL B. MCLOAD (414) 238-0265

PHOENIX ENGINEERING, INC.  
CONSULTING ENGINEERS  
813 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833 FAX 247-9397

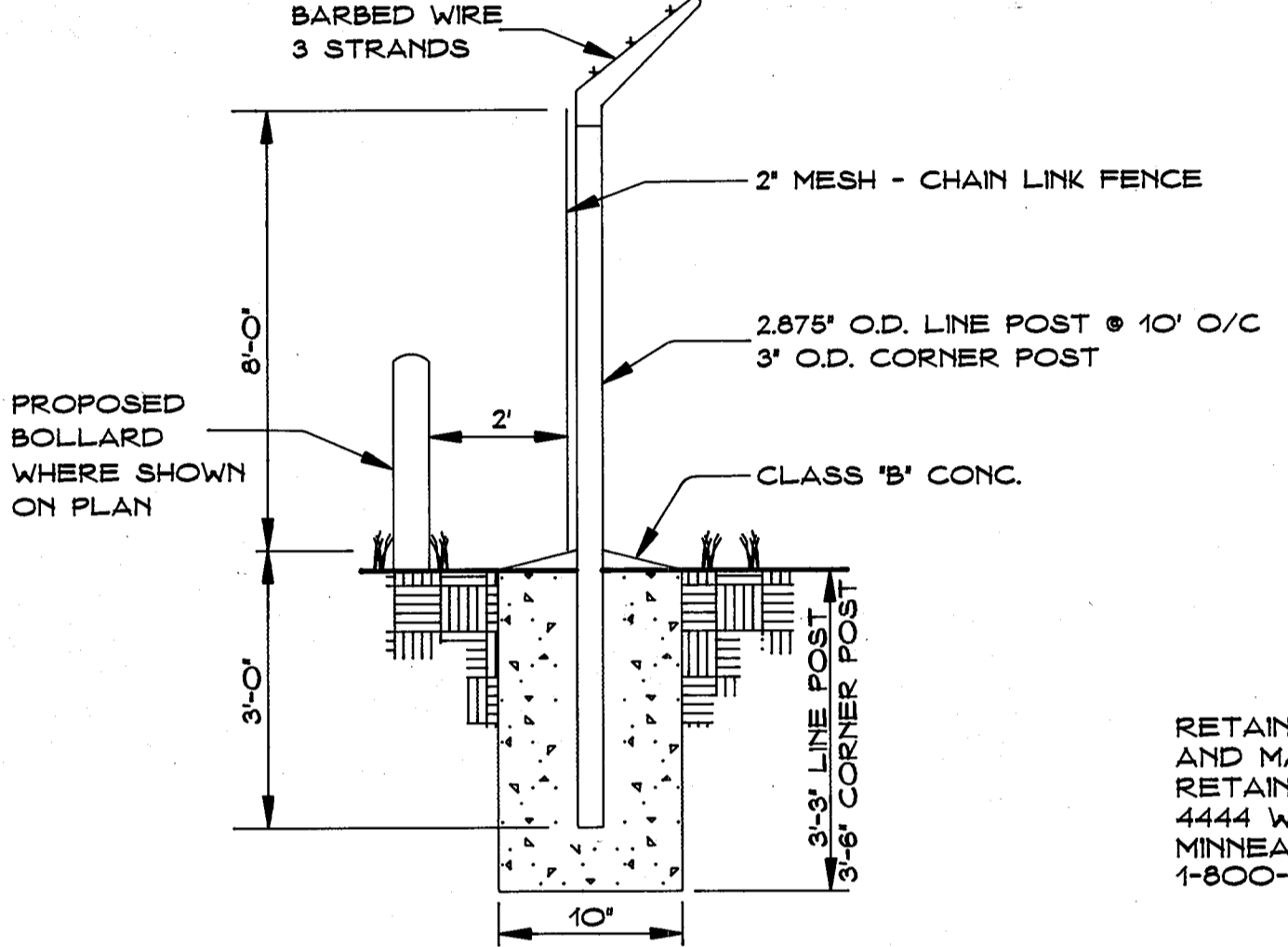
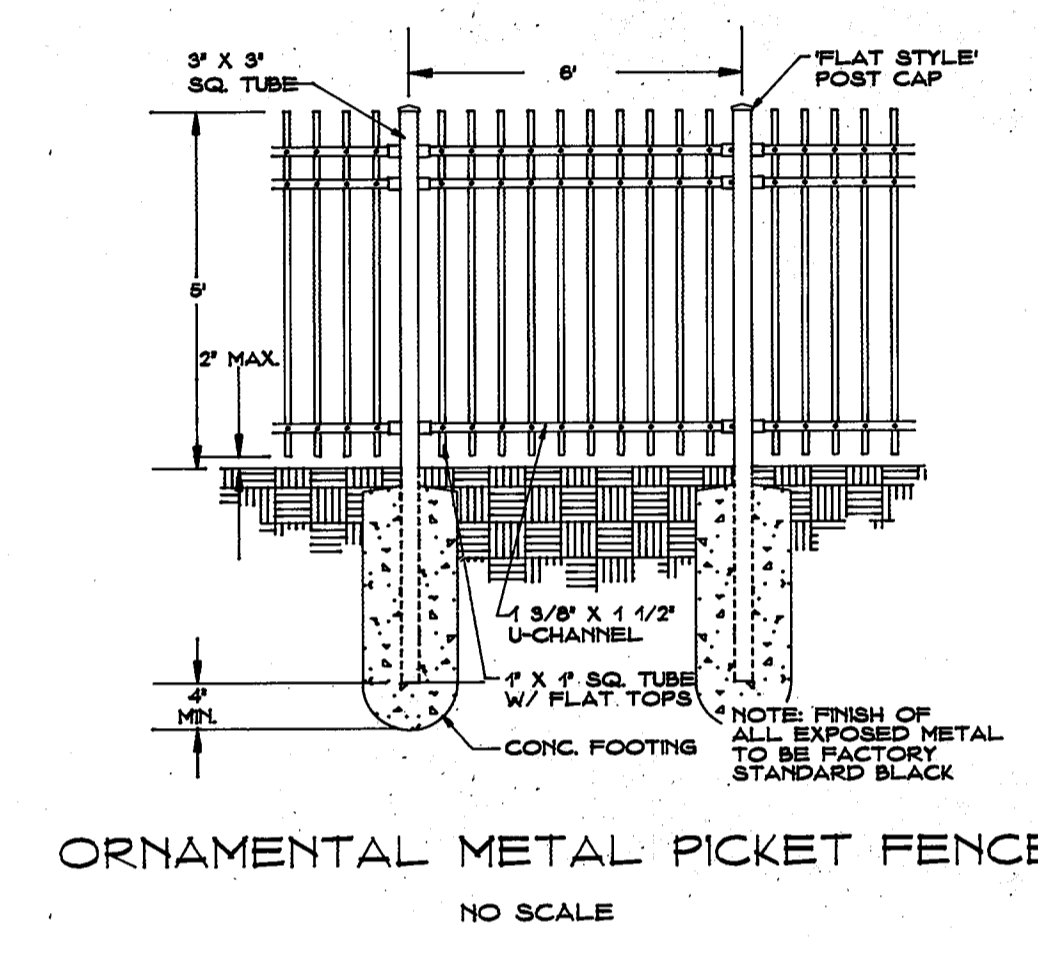
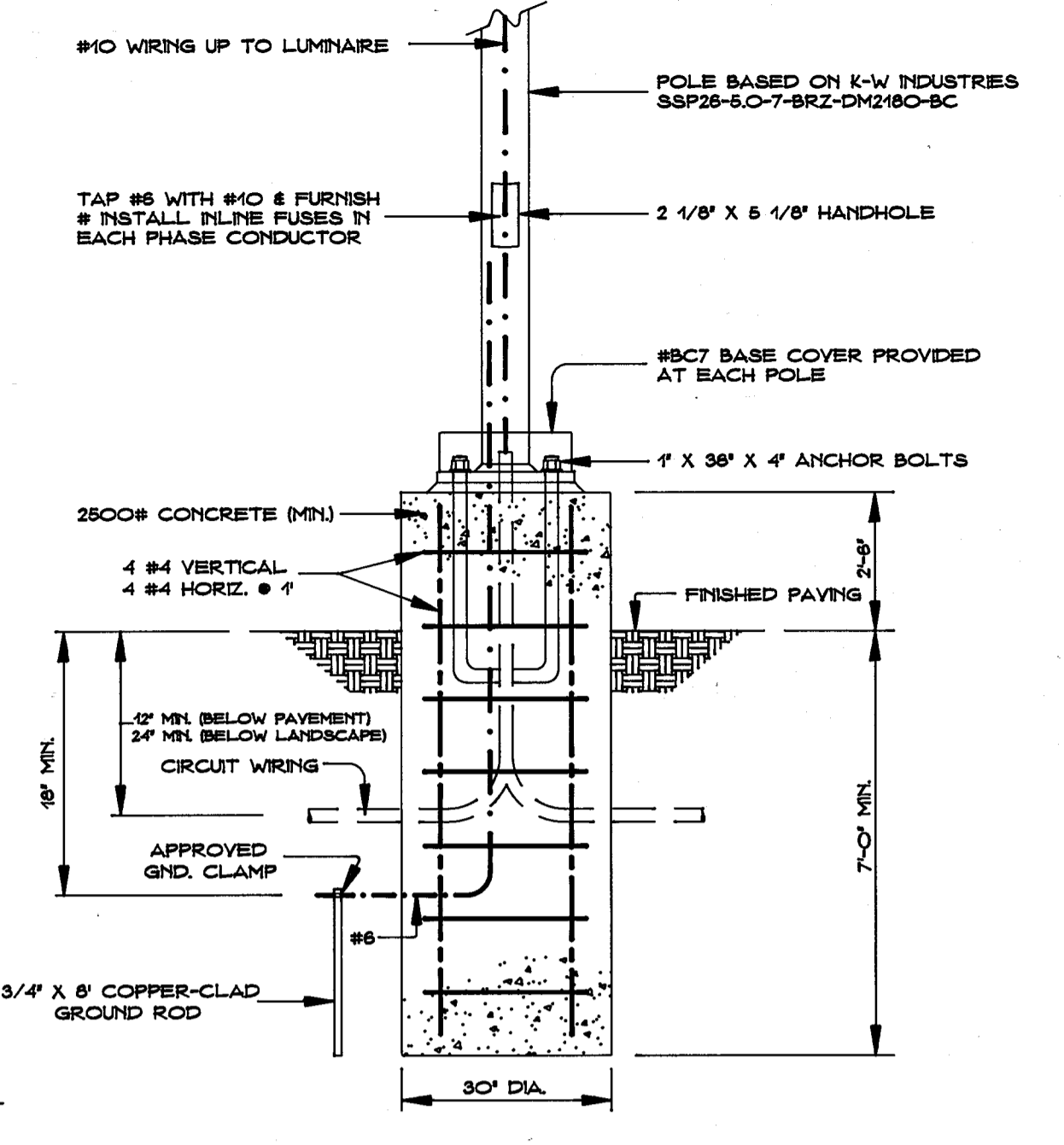
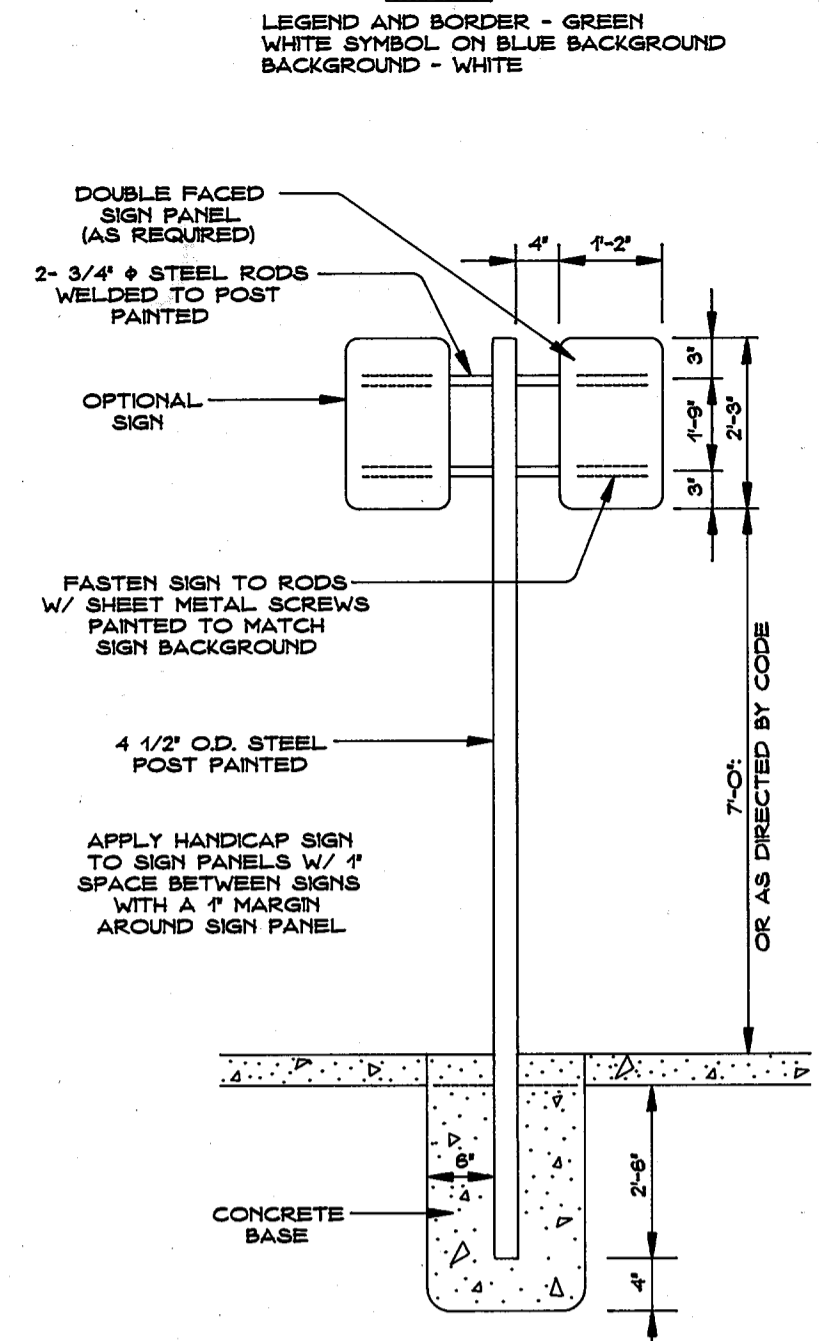
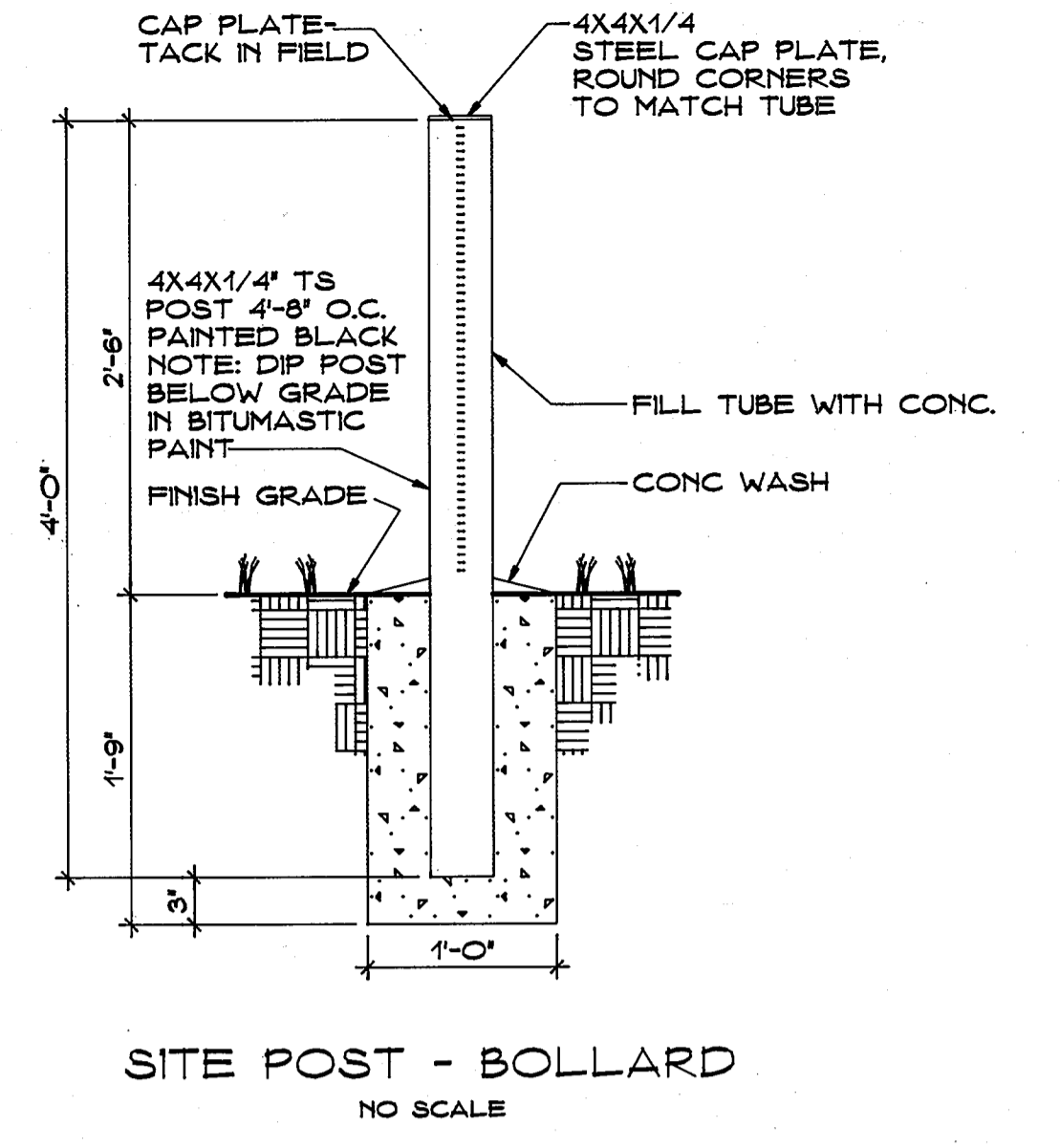
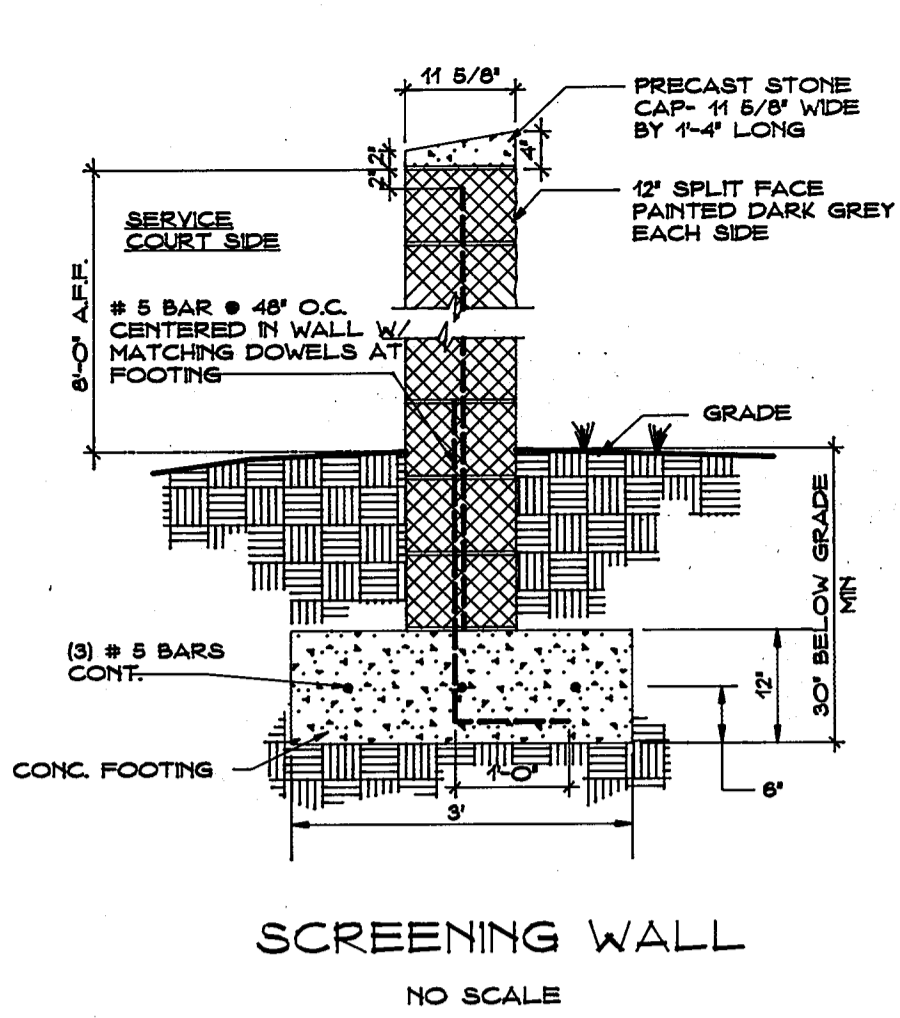
AREA PLAT NO. 15791-95 CESSUS TRACT NO. 6089.02  
FREESTATE CARMAX PARCEL B-16W2  
8800 FREESTATE DRIVE  
TAX MAP NO. 47 ELEC. DIST. NO. 6 HOWARD COUNTY, MARYLAND PARCEL 142

TITLE: FORMERLY SDP 96-147 **CARMAX** THE AUTO SUPERSTORE JAN 15 1997

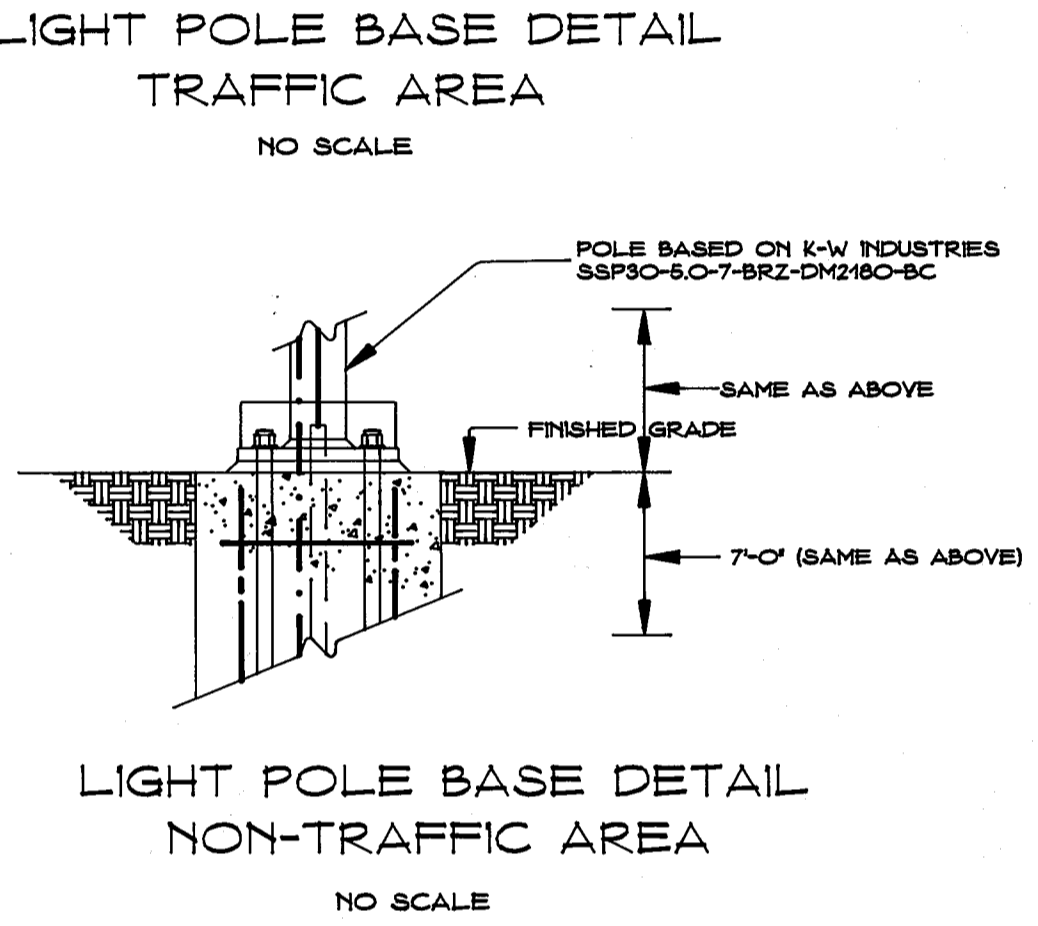
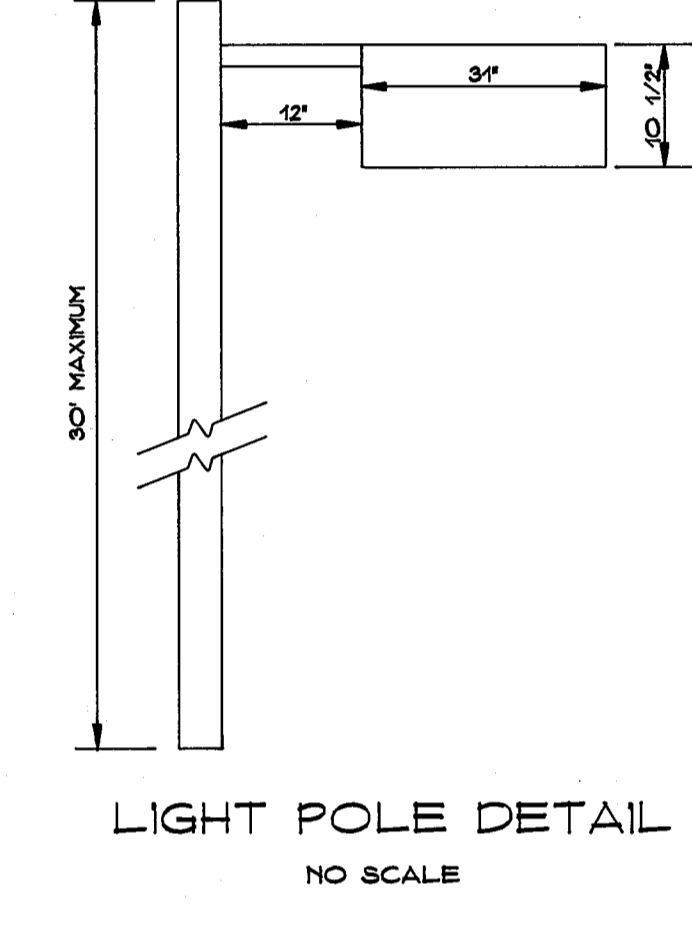
AMENDED SEDIMENT EROSION CONTROL PLAN

Des By R.J.W. Scale 1" = 50' Proj No SECPLAN2.DWG  
Dwn By A.J.R. Date DECEMBER 1996 DRAWING NO 96-010  
Ckr By J.R.H. Approved 5 OF 18

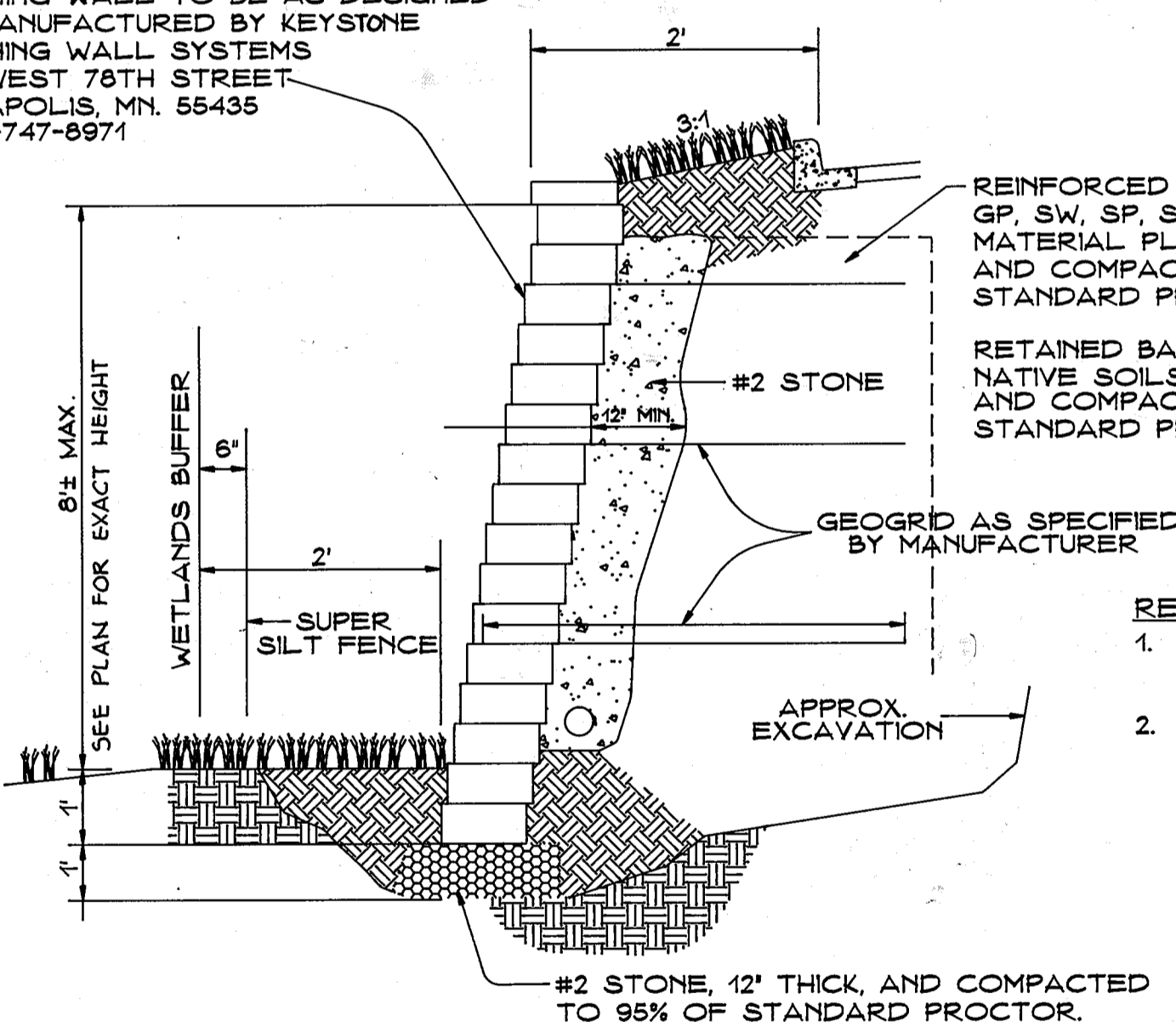




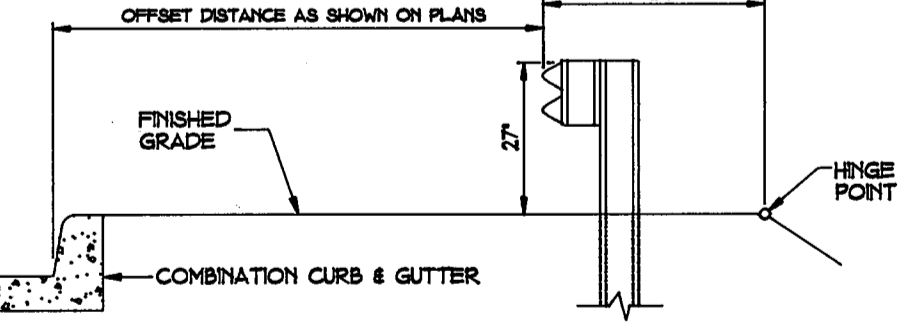
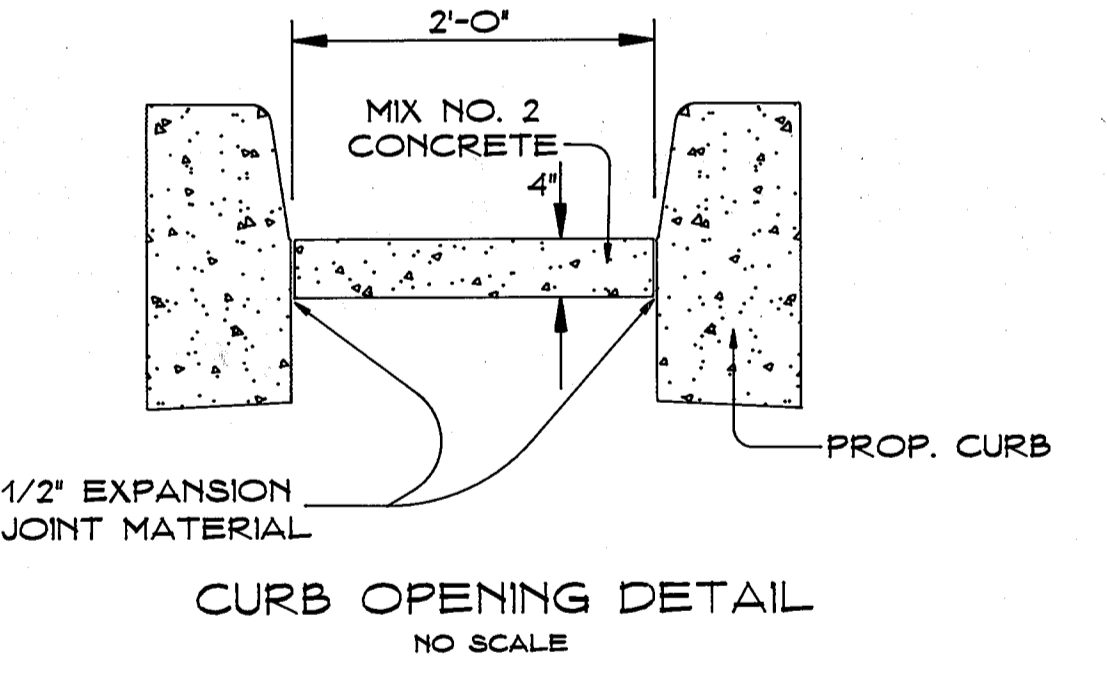
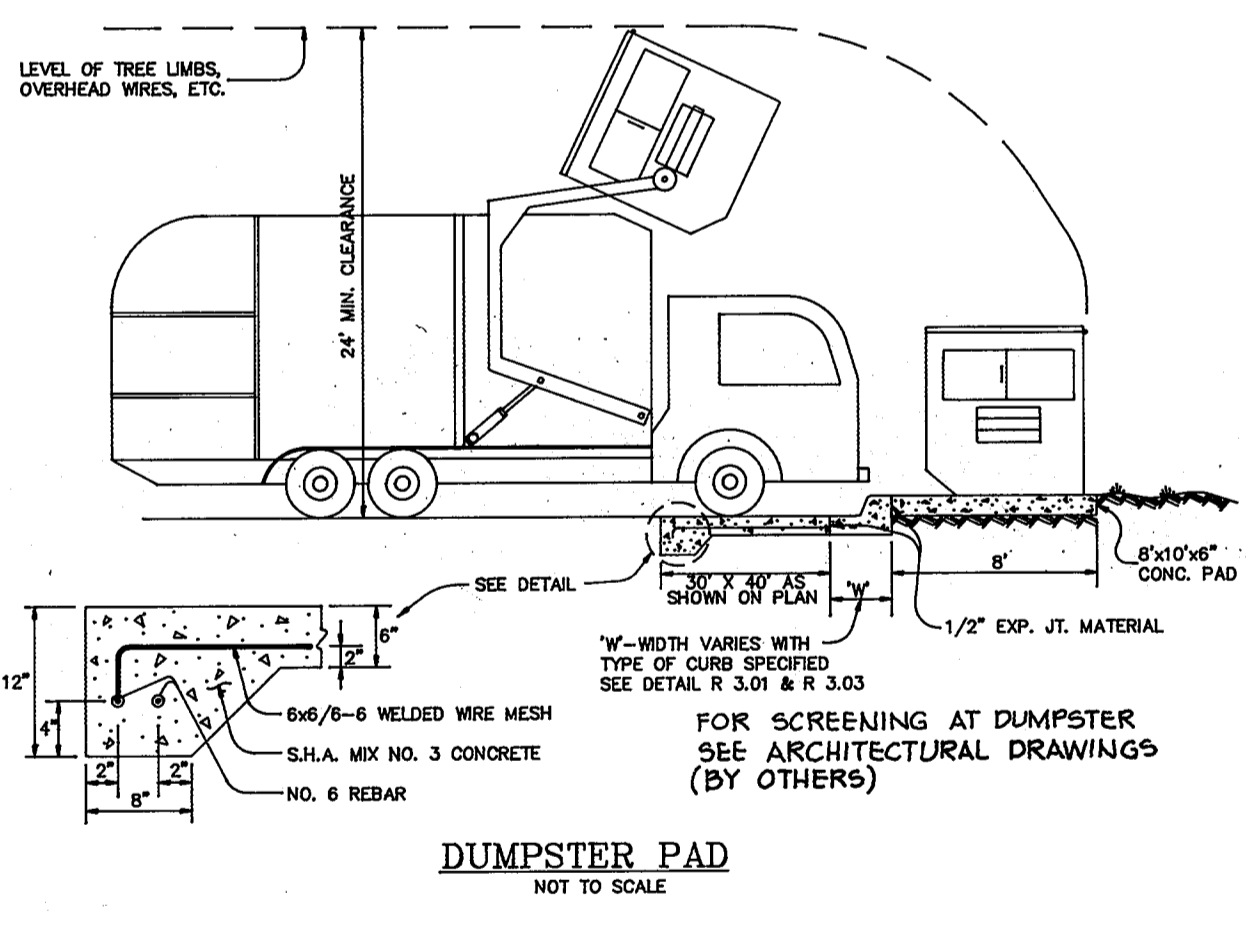
**\$98 FINE SIGN**  
SIGN TO UTILIZE AN ALUMINUM BLANK 6X12X.060 INCH THICK WITH TWO SINGLE POST MOUNTING HOLES.  
THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON R7-6 AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. TEXT SHALL BE IN 3" CHARACTERS.  
SIGN SHALL BE MOUNTED DIRECTLY BELOW THE STANDARD R7-6 RESERVED PARKING FOR HANDICAPPED SIGN. ITS BOTTOM EDGE SHALL BE NO LESS THAN 7 FEET ABOVE GROUND. IF THE SIGN IS PLACED AGAINST A BUILDING, STRUCTURE, OR OTHER LOCATION WHERE VEHICLE OR PEDESTRIAN TRAFFIC IS NOT OBSTRUCTED THE BOTTOM EDGE OF SIGN SHALL BE AT LEAST 6 FEET BUT NOT MORE THAN 10 FEET ABOVE GROUND.



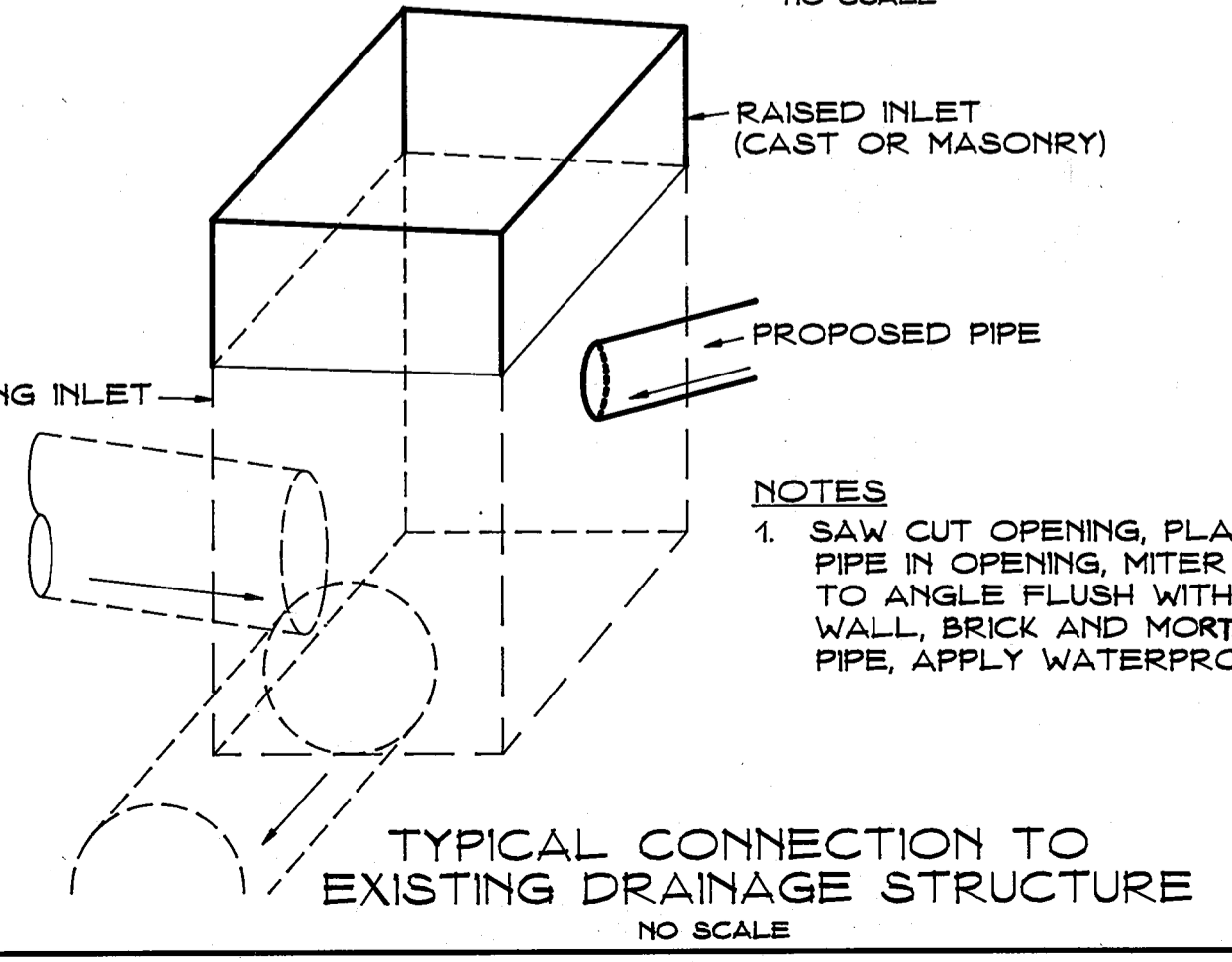
RETAINING WALL TO BE AS DESIGNED AND MANUFACTURED BY KEYSTONE RETAINING WALL SYSTEMS  
4444 WEST 78TH STREET  
MINNEAPOLIS, MN. 55435  
1-800-747-8971



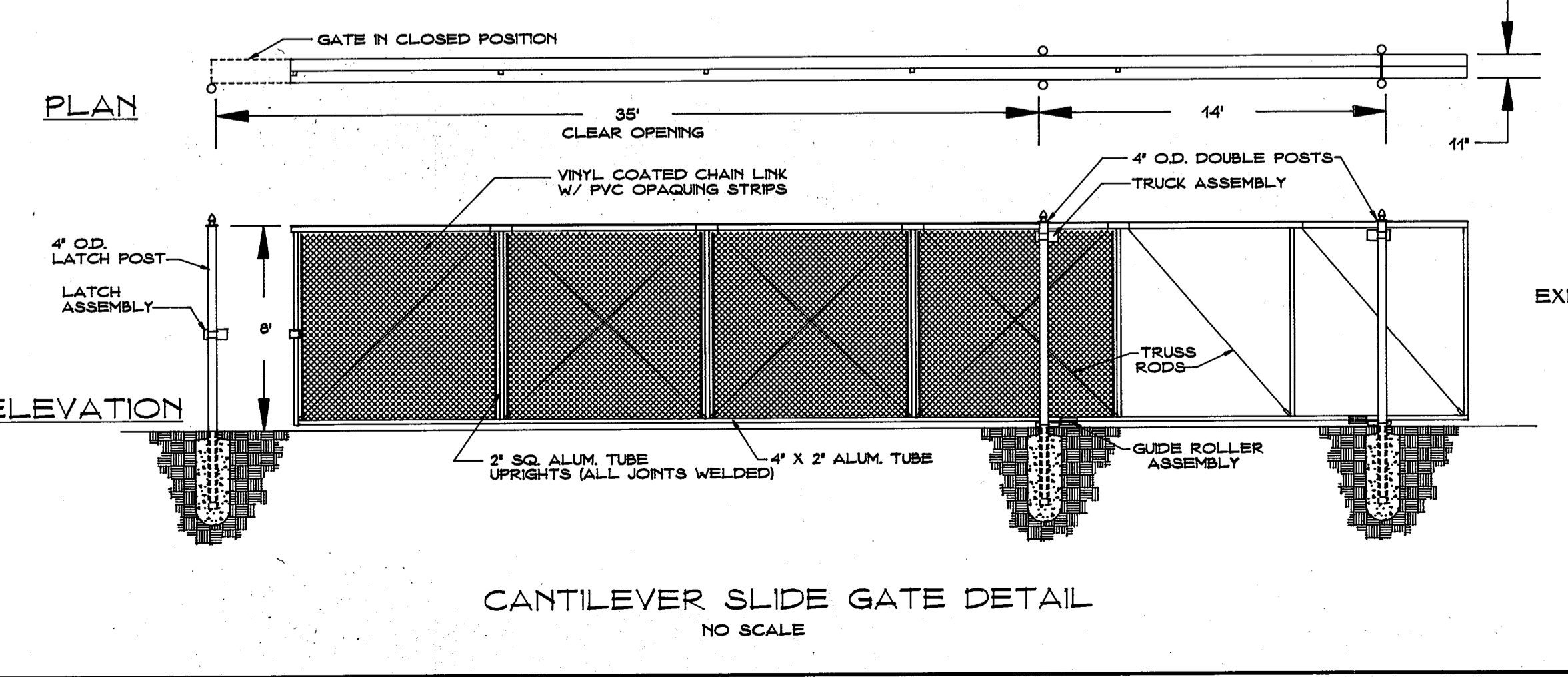
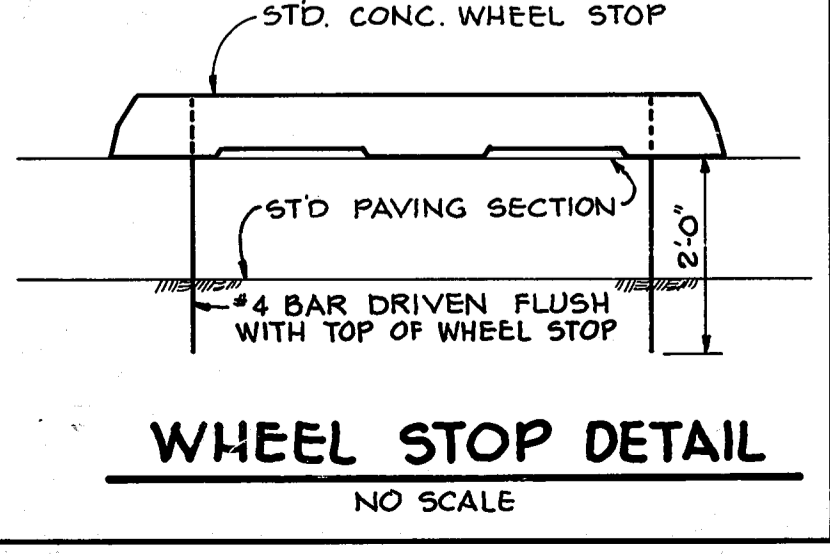
**RETAINING WALL NOTES**  
1. THE LEVELING PAD SUB-GRADE BEARING MUST BE CERTIFIED BY A MARYLAND REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.  
2. THE RETAINING WALL CONSTRUCTION MUST BE INSPECTED BY A QUALIFIED ENGINEER DURING CONSTRUCTION.



MARYLAND DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
TRAFFIC BARRIER W BEAM  
NO SCALE



**NOTES**  
1. SAW CUT OPENING, PLACE PIPE IN OPENING, MITER PIPE TO ANGLE FLUSH WITH INSIDE WALL, BRICK AND MORTAR AROUND PIPE, APPLY WATERPROOFING TO OUTSIDE.



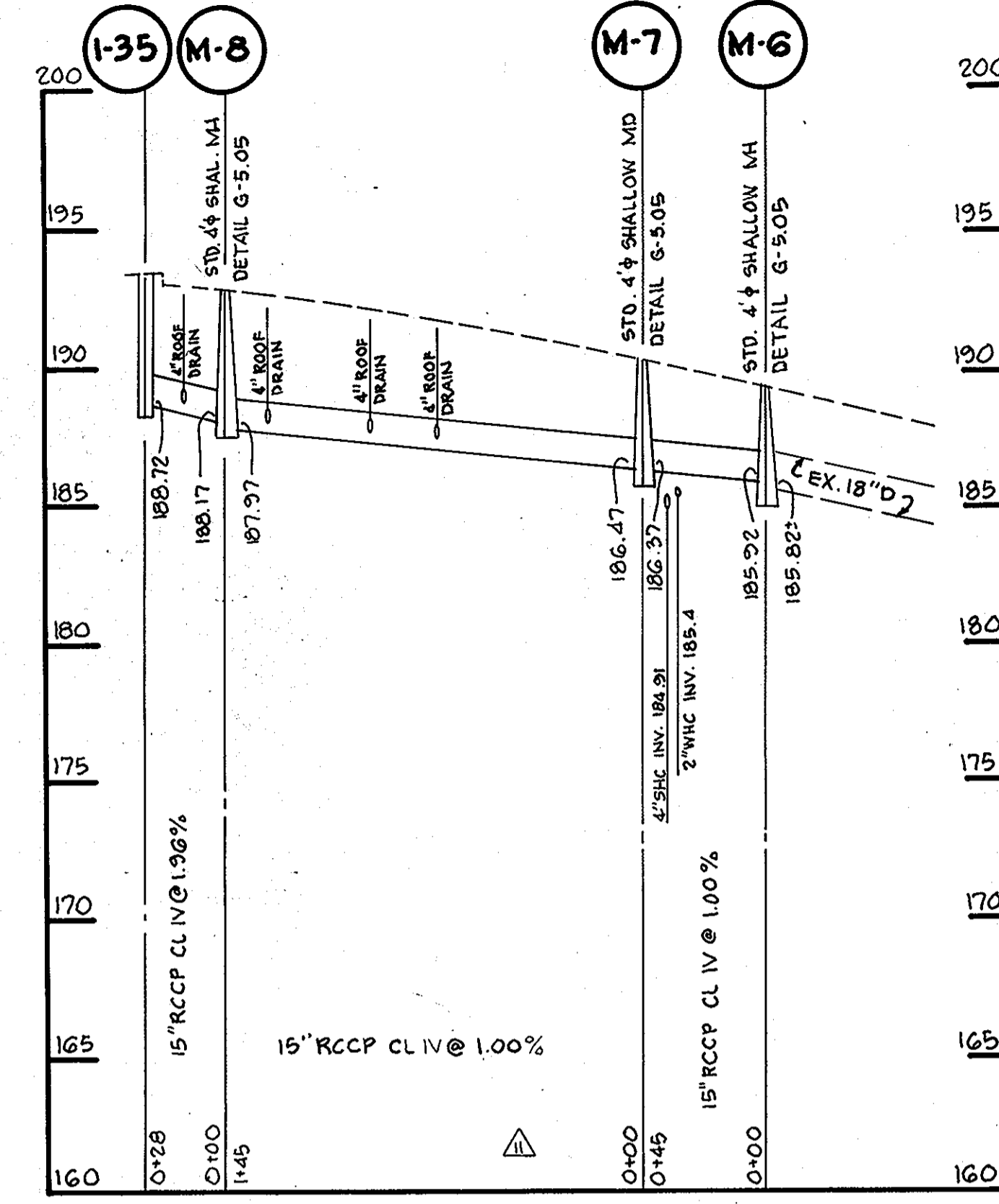
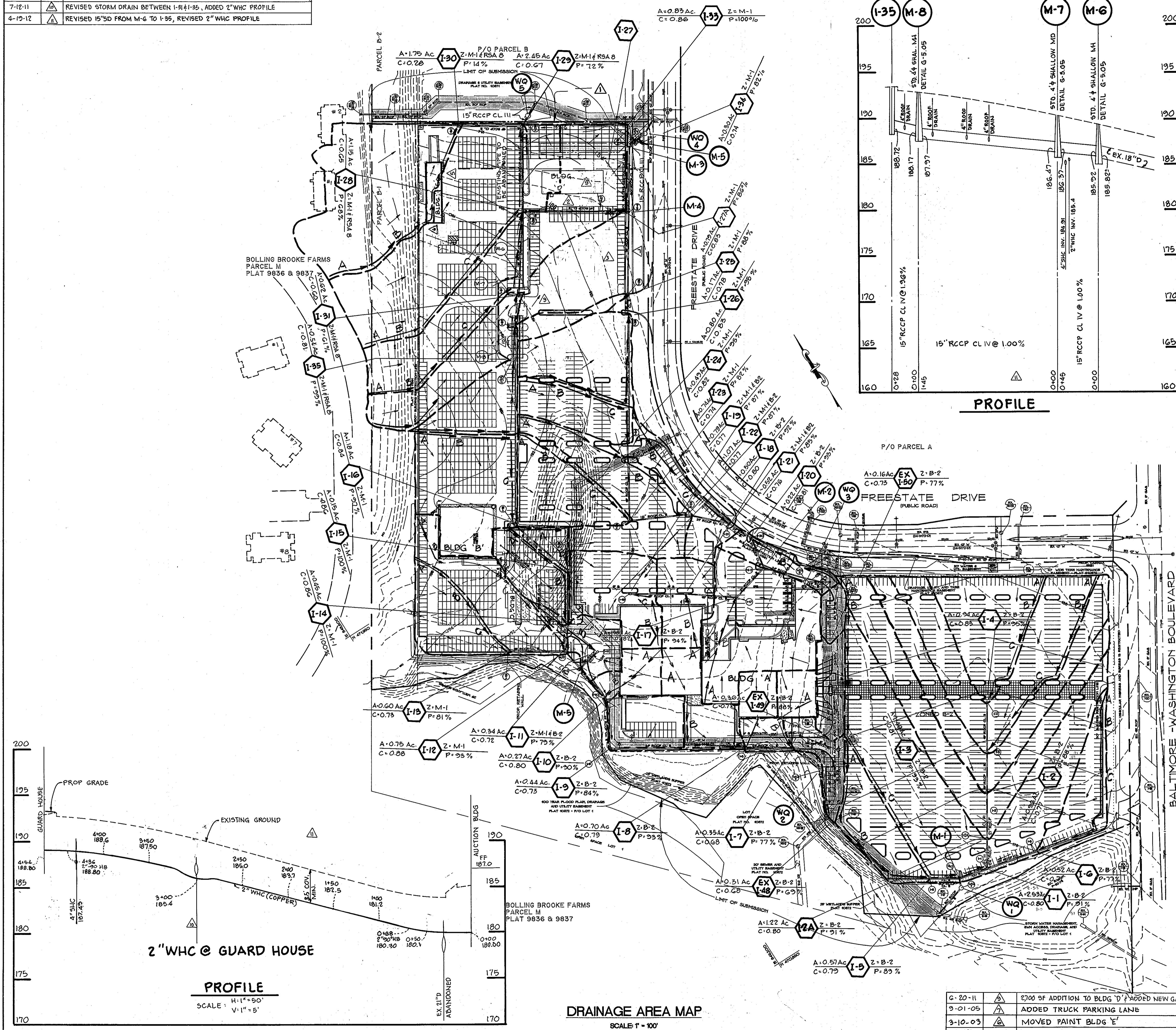
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
<i>James M. Boyd MD</i> COUNTY HEALTH OFFICER	1/23/97 DATE
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	1/24/97 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	1/21/97 DATE
<i>[Signature]</i> DIRECTOR	1/21/97 DATE

Date	No.	Revision Description
OWNER: ACME COMMERCIAL CORPORATION 8960 MARYLAND DRIVE ROCKMONT, VIRGINIA 22086 ATTN: BENJAMIN B. CUMMINGS, JR.		
DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL 3345 PRACHTREZ ROAD N.E., SUITE 1050 ATLANTA, GEORGIA 30326 ATTN: MICHAEL B. MCLOAD (414) 238-0266		
 813 MAIDEN CHOICE LANE, SUITE 300 BALTIMORE, MARYLAND 21220 (410) 247-8633 FAX 247-8397		
AREA	PLAT NO. 11891	CENSUS TRACT NO. 60663.02
	FREESTATE	P/O PARCEL B
TITLE	8800 FREESTATE DRIVE	
FORMERLY	ELEC. DIST. No. 6 HOWARD COUNTY, MARYLAND	PARCEL 142
SDP 96-147		JAN 15 1997
AMENDED DETAILS		
Des By	R.J.W.	Scale NO SCALE
Proj No		96-010
Drn By	A.J.R.	Date MAY 1996
Proj No		7 OF 18
Chk By	J.R.H.	Approved 96-06-142

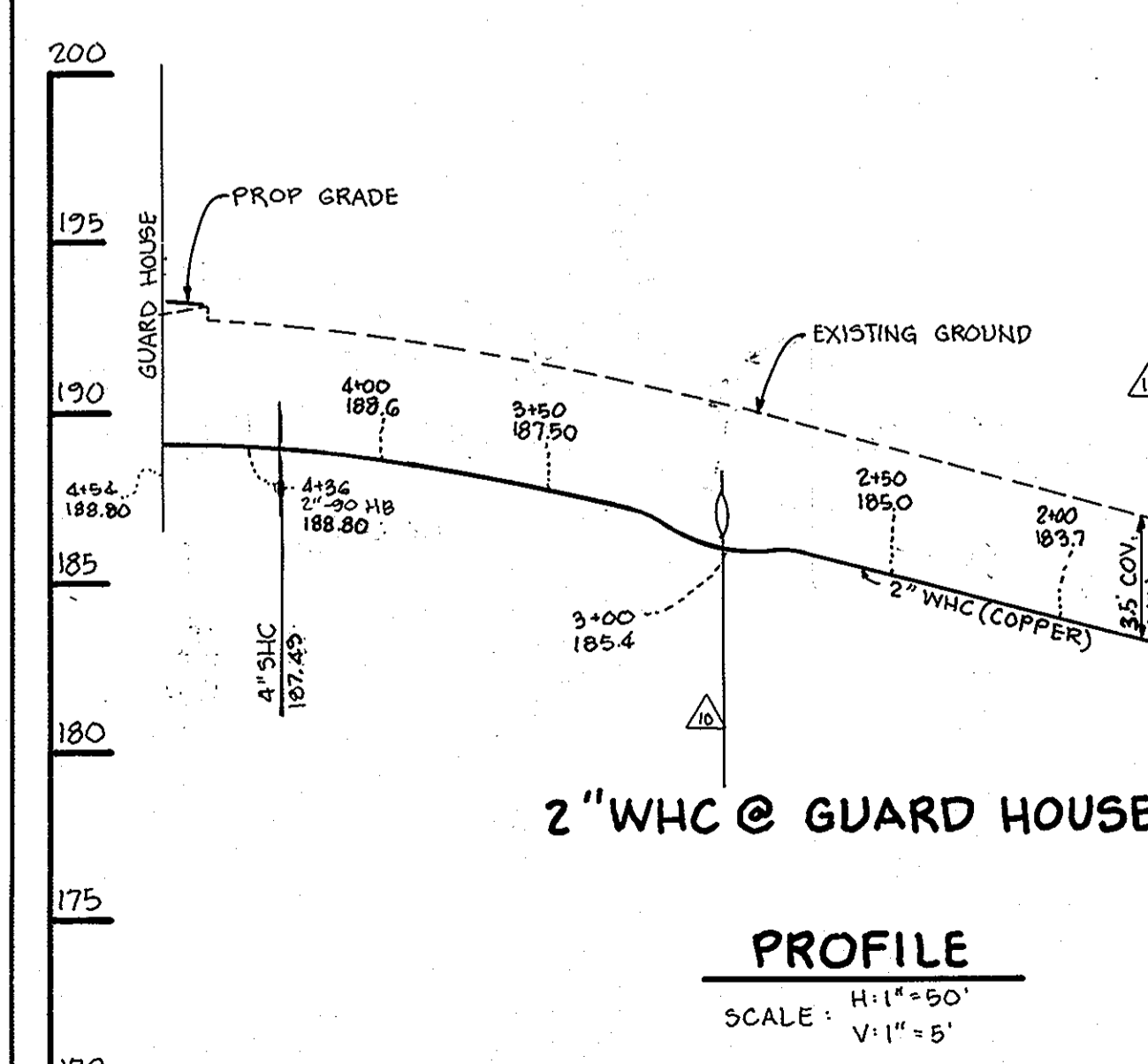
10/15/96 Date  
  
 JOHN R. HENRICHS  
 Professional Engr. No. 14920

DATE	NO.	REVISION
7-12-11	1A	REVISED STORM DRAIN BETWEEN I-31 & I-35, ADDED 2" WHC PROFILE
4-19-12	1A	REVISED 15" SD FROM M-6 TO I-35, REVISED 2" WHC PROFILE

ALL STORM DRAIN BEDDING IS TO BE CLASS 'C' UNLESS OTHERWISE NOTED



STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV.	INV. OUT	RIM/TOP SLAB ELEV.	REMARKS
I-1	DOUBLE 'S'	SEE PLAN	172.00	170.75	GRATE 176.00	H.C. STD. SD 4.34
I-2	DOUBLE 'S'	SEE PLAN	175.45	175.20	GRATE 179.87	H.C. STD. SD 4.23
I-3	DOUBLE 'S'	SEE PLAN	177.76	177.51	GRATE 181.40	H.C. STD. SD 4.23
I-4	DOUBLE 'S'	SEE PLAN	-	179.50	GRATE 183.40	H.C. STD. SD 4.23
I-5	DOUBLE 'S'	SEE PLAN	-	172.66	GRATE 177.10	H.C. STD. SD 4.34
I-6	DOUBLE 'S'	SEE PLAN	-	173.94	GRATE 178.00	H.C. STD. SD 4.34
I-7	DOUBLE 'S'	SEE PLAN	174.11	173.91	GRATE 184.00	H.C. STD. SD 4.22
I-8	'S'	SEE PLAN	175.61	175.41	GRATE 184.90	H.C. STD. SD 4.22
I-9	A-5	SEE PLAN	178.74	178.54	THROAT 184.80	H.C. STD. SD 4.01
I-10	S	SEE PLAN	180.07	179.82	GRATE 186.45	H.C. STD. SD 4.22
I-11	S	SEE PLAN	-	181.87	GRATE 185.50	H.C. STD. SD 4.22
I-12	A-5	SEE PLAN	182.96	182.76	THROAT 188.25	H.C. STD. SD 4.01
I-13	-	SEE PLAN	-	187.21	GRATE 191.15	H.C. STD. SD 4.22
I-14	A-5 WITH COVE	SEE PLAN	184.20	184.00	THROAT 189.00	H.C. STD. SD 4.01
I-15	A-5	SEE PLAN	186.51	186.26	THROAT 191.15	H.C. STD. SD 4.01
I-16	A-5	SEE PLAN	189.31	189.31	THROAT 194.00	H.C. STD. SD 4.01
I-17	DOUBLE 'S'	SEE PLAN	177.75	177.50	GRATE 184.00	H.C. STD. SD 4.23
I-18	A-5	SEE PLAN	179.40	178.85	THROAT 185.00	H.C. STD. SD 4.01
I-19	A-5	SEE PLAN	180.30	180.30	THROAT 185.00	H.C. STD. SD 4.01
I-20	A-5	SEE PLAN	177.34	177.14	THROAT 183.00	H.C. STD. SD 4.01
I-21	A-5	SEE PLAN	178.12	177.92	THROAT 184.00	H.C. STD. SD 4.01
I-22	A-5	SEE PLAN	179.33	179.08	THROAT 184.70	H.C. STD. SD 4.01
I-23	A-5	SEE PLAN	180.80	180.85	THROAT 186.00	H.C. STD. SD 4.01
I-24	A-5	SEE PLAN	-	183.46	THROAT 187.80	H.C. STD. SD 4.01
I-25	A-5	SEE PLAN	181.80	181.60	THROAT 186.00	H.C. STD. SD 4.01
I-26	A-5	SEE PLAN	-	182.25	THROAT 186.40	H.C. STD. SD 4.01
I-27	DOUBLE 'S'	SEE PLAN	174.84	174.24	GRATE 186.00	H.C. STD. SD 4.23
I-28	DOUBLE 'S'	SEE PLAN	183.29	176.84	GRATE 187.50	H.C. STD. SD 4.34
I-29	DOUBLE 'S'	SEE PLAN	-	178.94	GRATE 182.60	H.C. STD. SD 4.34
I-30	DOUBLE 'S'	SEE PLAN	-	179.97	GRATE 184.00	H.C. STD. SD 4.34
I-31	A-5	SEE PLAN	-	187.48	THROAT 192.10	H.C. STD. SD 4.01
M-6	STD. 4" SHAL. MANHOLE	SEE PLAN	185.92	185.82	EX. GROUND	H.C. STD. G 5.05
I-2A	DOUBLE 'S'	SEE PLAN	172.96	172.71	GRATE 178.00	H.C. STD. SD 4.23
M-1	'S' MANHOLE	SEE PLAN	188.22	188.96	RIM 178.60	H.C. STD. G 5.13
M-2	'S' MANHOLE	SEE PLAN	176.44	176.19	RIM 185.90	H.C. STD. G 5.13
M-3	'S' MANHOLE	SEE PLAN	174.73	174.53	RIM 181.50	H.C. STD. G 5.13
M-4	'S' MANHOLE	SEE PLAN	176.25	173.13	RIM 184.25	H.C. STD. G 5.13
M-5	'S' MANHOLE	SEE PLAN	181.58	181.28	RIM 188.25	H.C. STD. G 5.13
I-34	'S' COMB	SEE PLAN	-	175.20	GRATE 180.24	H.C. STD. G 4.32
WQ-1	STICL 3600	SEE PLAN	168.68	168.48	RIM 175.50	STORMCEPTOR CORPORATION STD.
WQ-2	STICL 3600	SEE PLAN	172.87	172.71	RIM 182.00	STORMCEPTOR CORPORATION STD.
WQ-3	STICL 3600	SEE PLAN	174.62	174.52	RIM 188.00	STORMCEPTOR CORPORATION STD.
WQ-4	STICL 3600	SEE PLAN	171.09	170.98	RIM 181.25	STORMCEPTOR CORPORATION STD.
I-35	A-10	SEE PLAN	-	188.72	EX. GROUND	H.C. STD. SD. 4.02
EX. I-47	EX. A-10	SEE PLAN	187.57	189.98	-	ADJUST TOP
EX. I-48	EX. A-10	SEE PLAN	174.25	181.89	THROAT 181.25	ADJUST TOP
EX. I-49	EX. DOUBLE 'S' & SILET	SEE PLAN	-	-	GRADE 183.85	ADJUST FRAME & GRATE
EX. I-50	EX. DOUBLE 'S' & SILET	SEE PLAN	-	-	GRADE 186.90	ADJUST FRAME & GRATE
EX. I-17	EX. A-10	SEE PLAN	170.65	188.80	-	ADJUST FRAME & COVER
EX. M-52	BUSTERS BRICK MANHOLE	SEE PLAN	173.73	165.50	RIM 188.35	ADJUST FRAME & COVER
M-7	STD. 24" SHAL. MANHOLE	SEE PLAN	186.47	186.37	EX. GROUND	H.C. STD. G-5.05
M-5	STD. 5" MANHOLE	SEE PLAN	150.11/139	171.50	EX. GROUND	H.C. STD. SD 5.13
WQ-5	MODEL STICL 2400	SEE PLAN	174.84	174.61	EX. GROUND	STORMCEPTOR CORP.
I-33	A-5	SEE PLAN	-	177.10	THROAT 181.75	H.C. STD. SD 4.01
I-21A	A-5	SEE PLAN	175.83	173.79	THROAT 185.10	H.C. STD. SD 4.01
M-8	STD. 4" SHAL. MANHOLE	SEE PLAN	188.17	187.97	EX. GROUND	WC STD G-5.05



**DRAINAGE AREA MAP**  
SCALE: 1" = 100'

DATE	NO.	REVISION
6-20-11	1A	2700 SF ADDITION TO BLDG 'D' & ADDED NEW GATE
9-01-05	1A	ADDED TRUCK PARKING LANE
9-10-09	1A	MOVED PAINT BLDG 'E'

DATE	NO.	REVISION
6-20-02	1A	ADDED PAINT BLDG 'E'
5-25-02	1A	ADDED ADDITION TO BUILDING 'B'
5-9-02	1A	ADDED 108 W.I.P. SPACES @ BUILDING 'D'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. Boyd MD* 1/23/97  
 COUNTY HEALTH OFFICER (MIR 2012) DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*John R. Henrichs* 1/24/97  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Richard Blouel* 1/24/97  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*Robert J. Savage* 1/4/97  
 DIRECTOR DATE

OWNER: ACME COMMERCIAL CORPORATION  
 890 MAYLAND DRIVE  
 BETHESDA, VIRGINIA 22233  
 ATTN: BENJAMIN B. CUMMINGS, JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 3343 PRACHTREE ROAD N.E., SUITE 1050  
 ATLANTA, GEORGIA 30329  
 ATTN: MICHAEL B. MCLOD (414) 238-0265

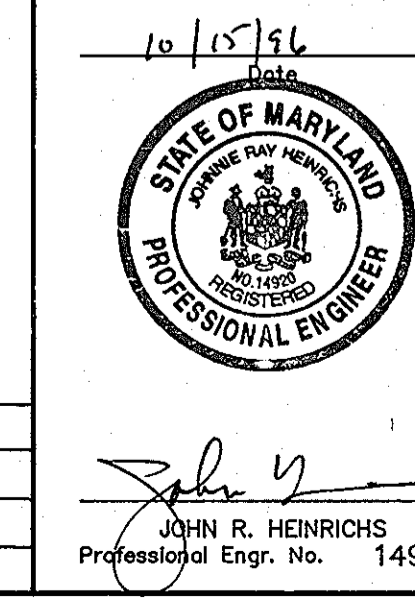
PHOENIX ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 813 MAIDEN CHOICE LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8833 FAX 247-9397

AREA: PLAT NO. 15791-93 CENSUS TRACT NO. 6059.02  
 FREESTATE CARMAX P/O PARCEL B4482  
 TAX MAP NO. 47 ELEC. DIST. NO. 6 HOWARD COUNTY, MARYLAND PARCEL 142

TITLE: **CARMAX**  
 FORMERLY SDP 96-147 THE AUTO SUPERSTORE JAN 15 1997

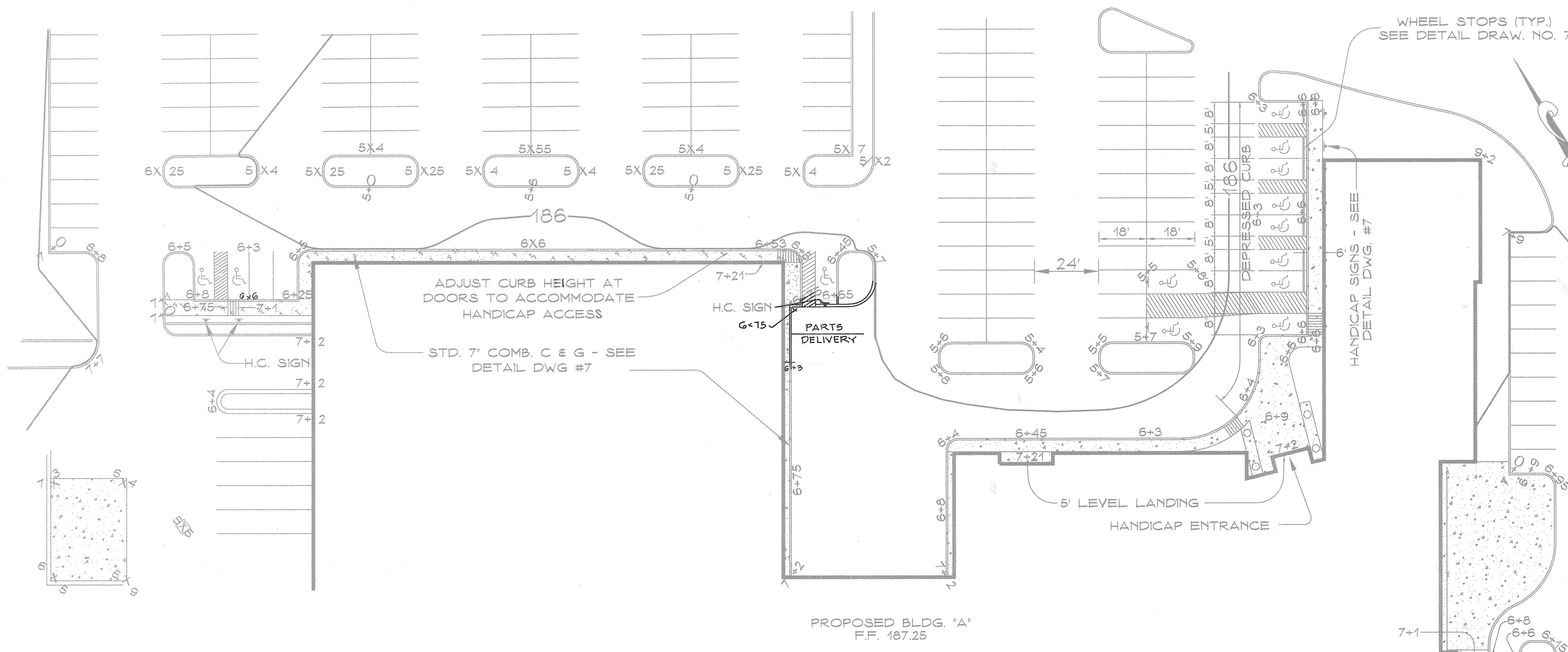
AMENDED DRAINAGE AREA MAP

Des By: E.M.P. Scale: 1" = 100' Proj No: DAMAP2.DWG 96-010  
 Dm By: D.R.B. Date: OCTOBER 1996 DRAWING NO:  
 Chk By: J.R.H. Approved: 589-96-147 8 OF 18





1997 08 06 01 01 06 171 0-112030/010-02/00/0



**HANDICAPPED PARKING DETAIL**  
SCALE: 1" = 30'

**STANDARD AND SPECIFICATIONS FOR TOPSOIL**

**DEFINITION**  
PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION

**PURPOSE**  
TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

**CONDITION WHERE PRACTICE APPLIES**

1. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
  - A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
  - B. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
  - C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
  - D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
2. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

**CONSTRUCTION AND MATERIAL SPECIFICATIONS**

1. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
2. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
  1. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY SILT LOAM, LOAMY SAND, OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CHOKES, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
  2. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
  3. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

3. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
  1. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 200. VEGETATIVE STABILIZATION SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

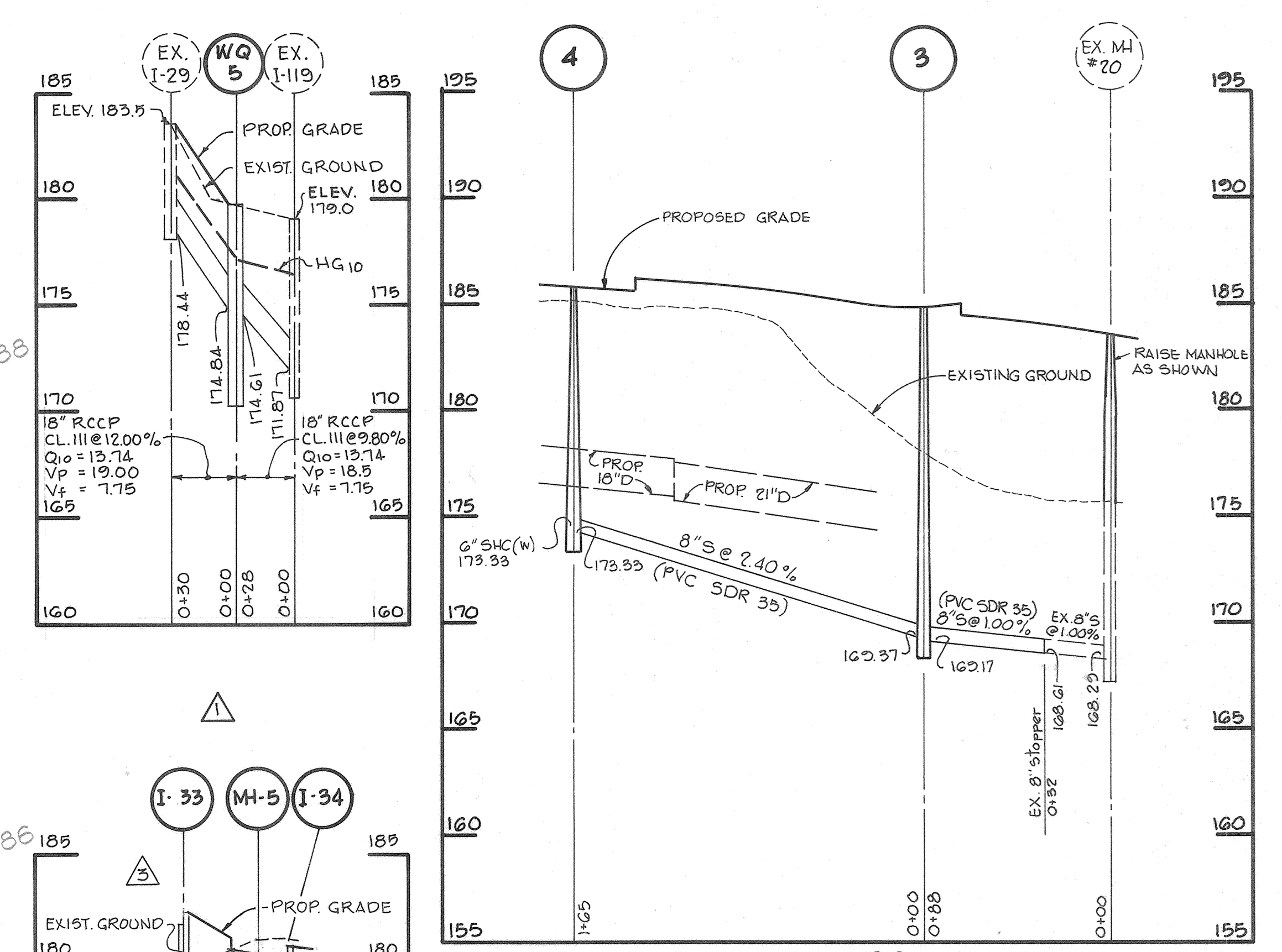
4. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
  1. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
    - A. PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE PH TO 6.5 OR HIGHER.
    - B. ORGANIC CONTENT OF TOPSOIL SHALL NOT BE LESS THAN 15 PERCENT BY WEIGHT.
    - C. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
    - D. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.

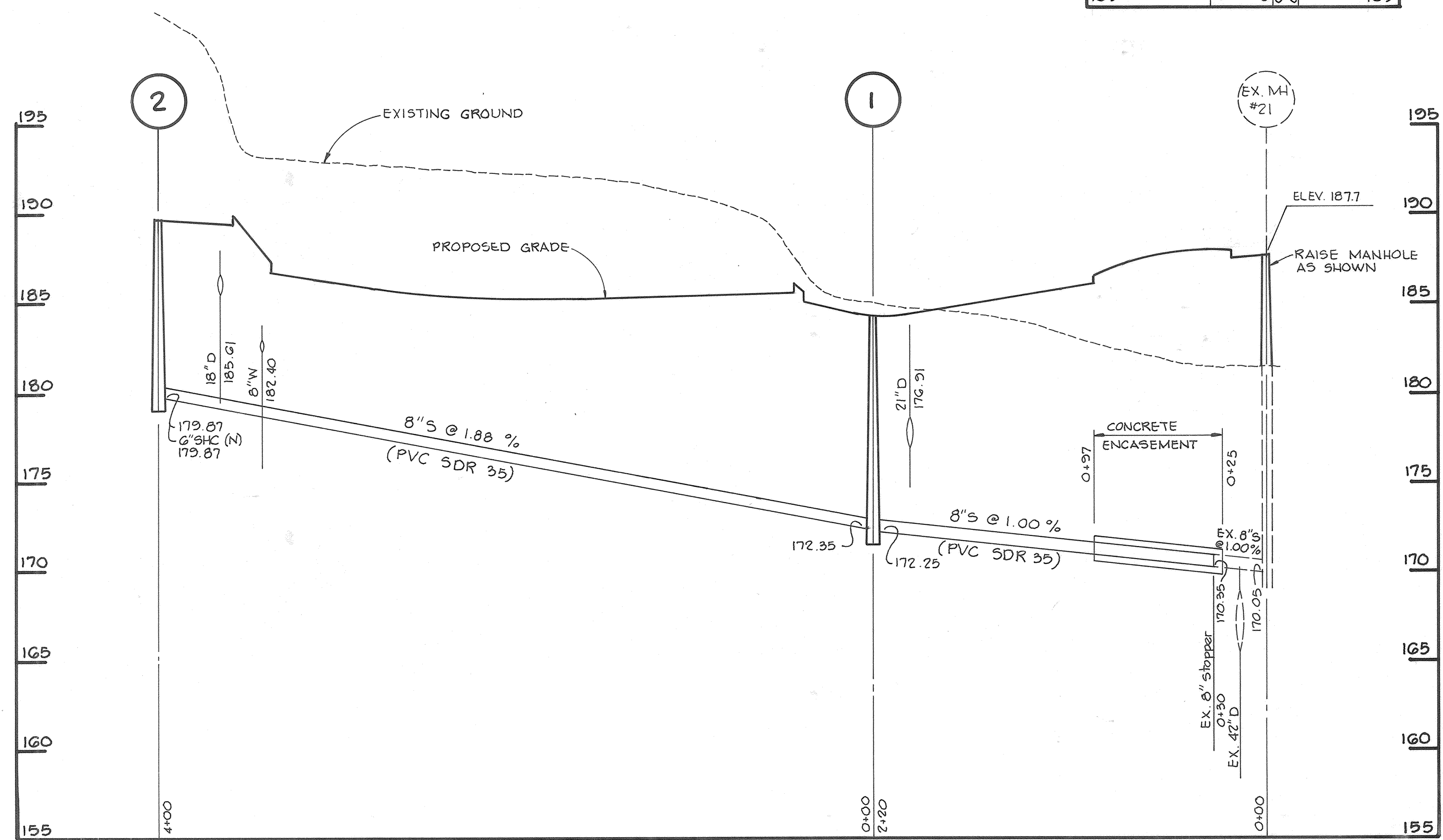
**V. TOPSOIL APPLICATION**

1. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
2. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED ALBERT 4" - 8" HIGHER IN ELEVATION.
3. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" - 6" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SOODING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
4. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
5. ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW:
  1. COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES SHALL BE TESTED TO PRESCRIBE AMENDMENTS AND FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
    - A. COMPOSTED SLUDGE SHALL BE SUPPLIED BY OR ORIGINATE FROM A PERSON OR PERSONS THAT ARE PERMITTED AT THE TIME OF ACQUISITION OF THE COMPOST BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.
    - B. COMPOSTED SLUDGE SHALL CONTAIN AT LEAST 4 PERCENT NITROGEN, 15 PERCENT PHOSPHORUS, AND 0.2 PERCENT POTASSIUM AND HAVE A PH OF 7.0 TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE.
    - C. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.
    1. COMPOSTED SLUDGE SHALL BE AMENDED WITH POTASSIUM FERTILIZER APPLIED AT THE RATE OF 4 LB./1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SOODING MD-VA, PUB. #1, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES, REVISED 1973.

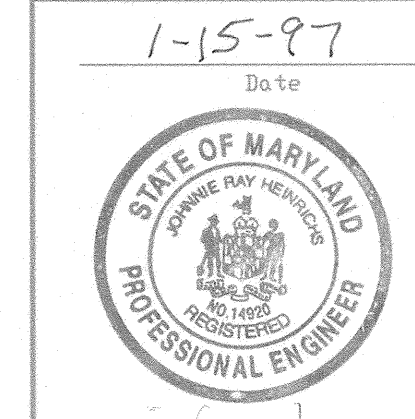


**SEWER PROFILE**  
SCALE: H:1"=50' V:1"=5'

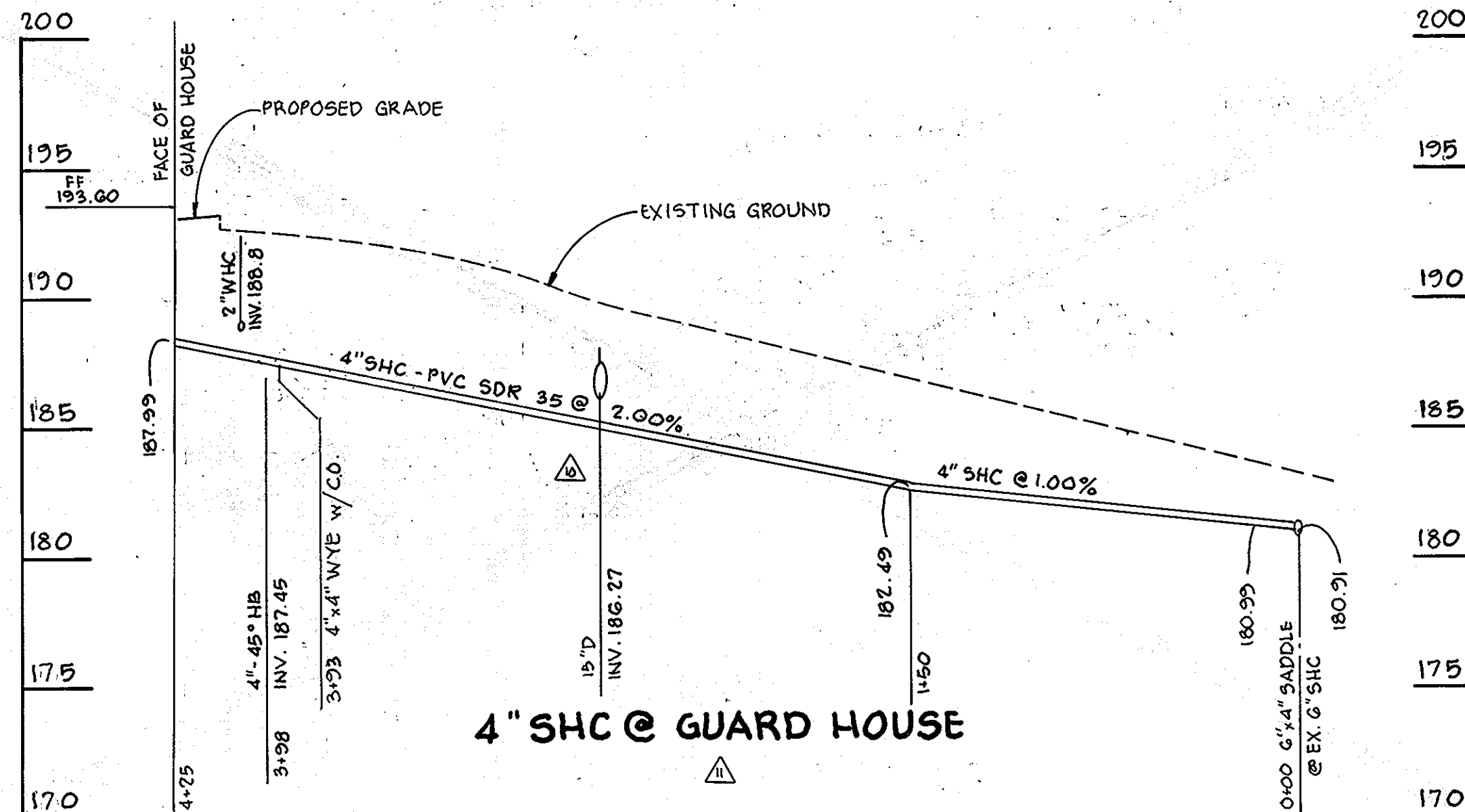
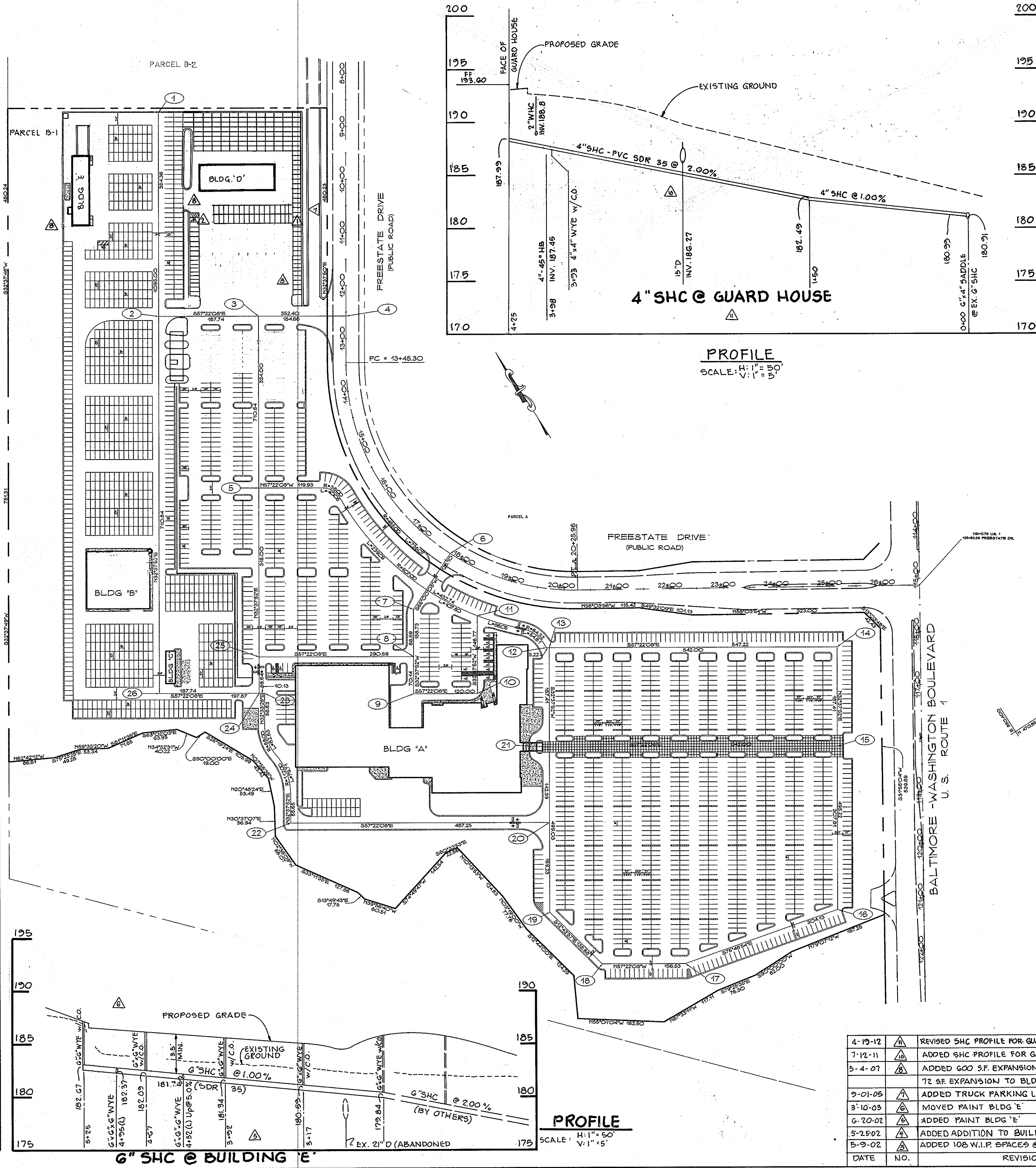


**SEWER PROFILE**  
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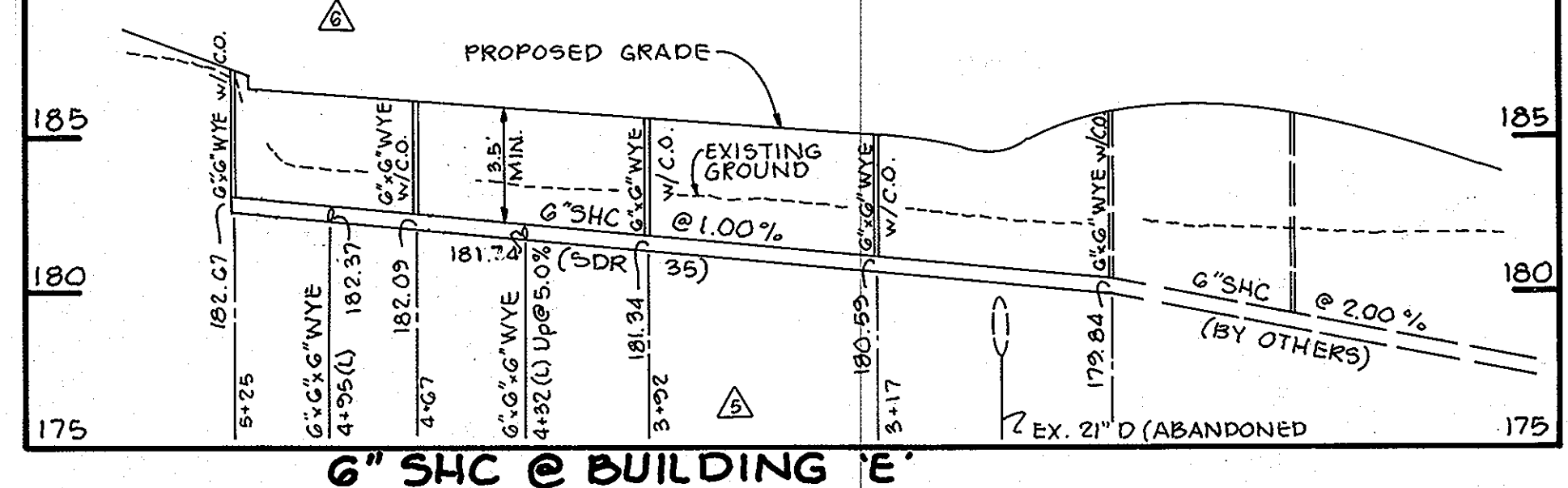
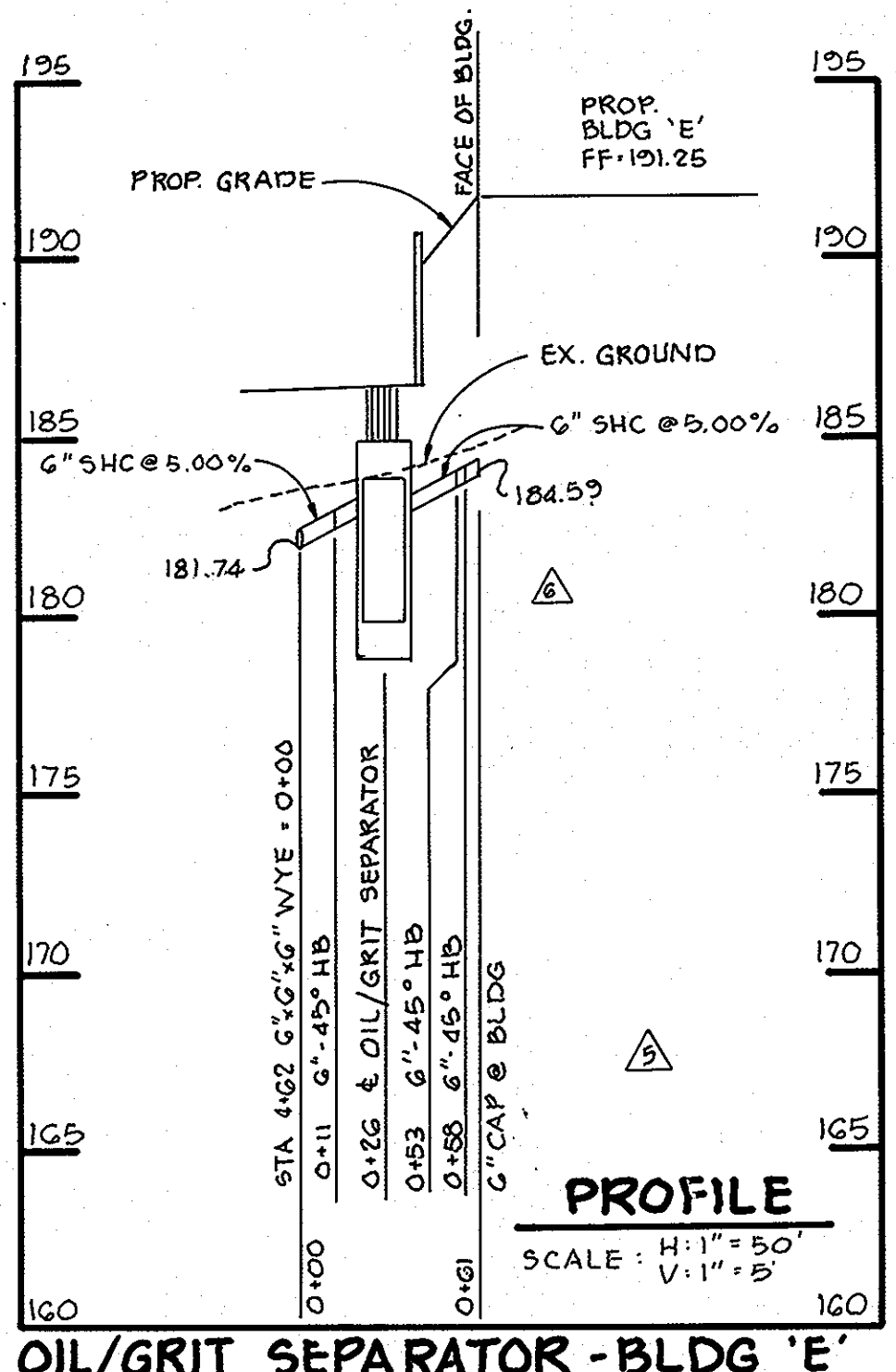
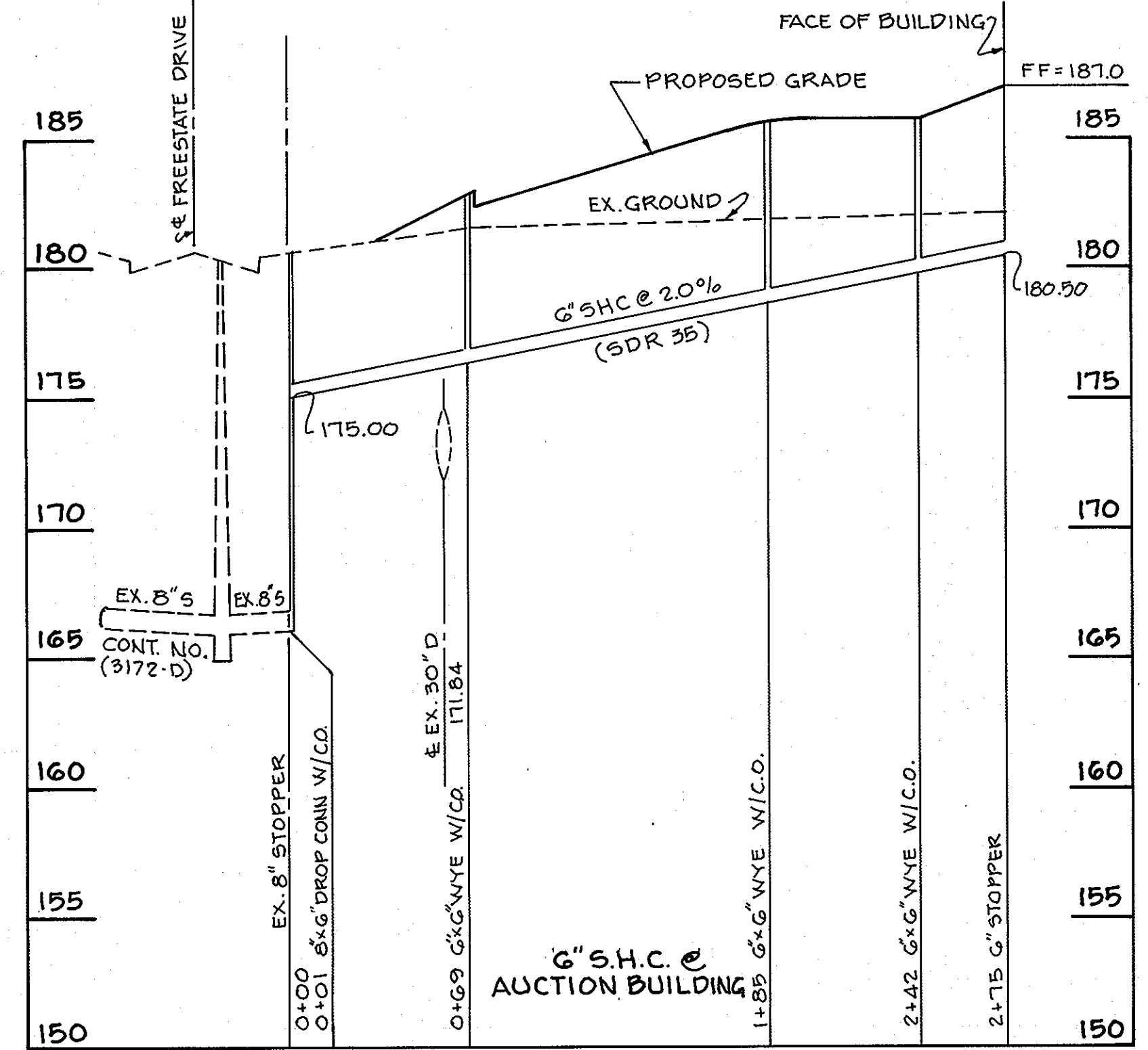
9-01-05		ADDED TRUCK PARKING LANE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS; HOWARD COUNTY HEALTH DEPARTMENT		
<i>Joyce M. Boyd MD</i>		1/23/97
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>Richard Blood</i>		1/24/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION		
<i>Richard Blood</i>		1/24/97
DIRECTOR, DIVISION OF LAND DEVELOPMENT		
<i>James J. McCauley</i>		1/27/97
DIRECTOR		
5-9-02	ADDED 108 W.I.P. SPACES @ BUILDING 'D'	
5-7-01	ADDED CARPORTS AND 260 WIP SPACES	
Date	No	Revision Description
OWNER: ACME COMMERCIAL CORPORATION 9850 MARYLAND DRIVE RICHMOND, VIRGINIA 22233 ATTN: BENJAMIN B. CUMMINGS		
DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL 3343 PEACHTREE ROAD N.E., SUITE 1050 ATLANTA, GEORGIA 30328 ATTN: MICHAEL B. MCLOD (414) 238-0265		
PHOENIX ENGINEERING, INC. CONSULTING ENGINEERS 813 MAIDEN CHOICE LANE, SUITE 300 BALTIMORE, MARYLAND 21228 (410) 247-8833 FAX 247-9397		
AREA	PLAT NO. 11899-11891	CENSUS TRACT NO. 8069.02
	FREESTATE	CARMAX P/O PARCEL B
	8800 FREESTATE DRIVE	
TAX MAP NO. 47	ELEC. DIST. NO. 6	HOWARD COUNTY, MARYLAND PARCEL 142
TITLE: <b>CARMAX</b> JAN 15 1997		
FORMERLY SDP 96-147		
AMENDED MISCELLANEOUS PROFILES AND DETAILS		
Des By	R.J.W.	Scale NO SCALE
Proj No	96-010	
Drn By	A.J.R.	Date OCTOBER 1996
Drn No	9	DRAWING NO
Chk By	J.R.H.	Approved
JOHN R. HEINRICHS Professional Engr. No. 14920		



BOLLING BROOKE FARMS  
PARCEL M  
PLAT 98364 9837



NO.	N	E	NO.	N	E
1	472704.8204	849674.4993	14	471166.2423	850204.2030
2	472381.1235	849467.2395	15	471008.4107	850103.1451
3	472279.8883	849625.3478	16	470749.1094	849937.1682
4	472191.0977	849764.0205	17	470818.5807	849641.0525
5	472007.0283	849450.6383	18	470902.9663	849509.2285
6	471708.3868	849686.9106	19	471038.2386	849478.6627
7	471657.1000	849571.7113	20	471180.7531	849569.9136
8	471582.4930	849523.9412	21	471300.6705	849646.6958
9	471523.4252	849486.1202	22	471443.4905	849159.5723
10	471458.7172	849587.1795	23	471675.9588	849250.6857
11	471582.3214	849666.3220	24	471681.4194	849242.1542
12	471461.3199	849743.3529	25	471739.2385	849279.1373
13	471458.5020	849747.7539	26	471782.6546	849084.0458



PROFILE  
SCALE: H:1"=50'  
V:1"=5'

DATE	NO.	REVISION
4-19-12	1	REVISED SHC PROFILE FOR GUARD HOUSE
7-12-11	2	ADDED SHC PROFILE FOR GUARD HOUSE
5-4-07	3	ADDED 600 S.F. EXPANSION TO BLDG. 'D' AND 'E'
9-01-05	4	72 S.F. EXPANSION TO BLDG. 'E'
3-10-03	5	ADDED TRUCK PARKING LANE
6-20-02	6	MOVED PAINT BLDG. 'E'
5-25-02	7	ADDED PAINT BLDG. 'E'
5-9-02	8	ADDED ADDITION TO BUILDING 'B'
	9	ADDED 108 W.I.P. SPACES @ BUILDING 'D'

1-15-97  
Date

JOHN R. HEINRICHS  
Professional Engr. No. 14920

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. Royal MD* 1/23/97  
CITY HEALTH OFFICER

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Richard Blood* 1/21/97  
CHIEF, DIVISION OF LAND DEVELOPMENT

*Marsha J. Drayton* 1/21/97  
DIRECTOR

Date	No.	Revision Description
11-10-01	1	ADDED BUILDING 'D'
5-7-01	2	ADDED CARPORTS AND 260 WIP SPACES

OWNER: ACME COMMERCIAL CORPORATION  
9950 MAYLAND DRIVE  
RICHMOND, VIRGINIA 23293  
ATTN: BENJAMIN B. CUMMINGS, JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
3343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30326  
ATTN: MICHAEL B. MCLOAD (414) 238-0265

PHOENIX ENGINEERING, INC.  
CONSULTING ENGINEERS  
813 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833 FAX 247-9397

AREA: PLAT NO. 15791-93 CENSUS TRACT NO. 6089.02  
FREESTATE CARMAX PARCEL B-14B-2  
8800 FREESTATE DRIVE  
ELEC. DIST. NO. 6 HOWARD COUNTY, MARYLAND PARCEL 142

TITLE: **CARMAX**  
THE AUTO SUPERSTORE

FOR-MERLY SDP 96-147 JAN 15 1997

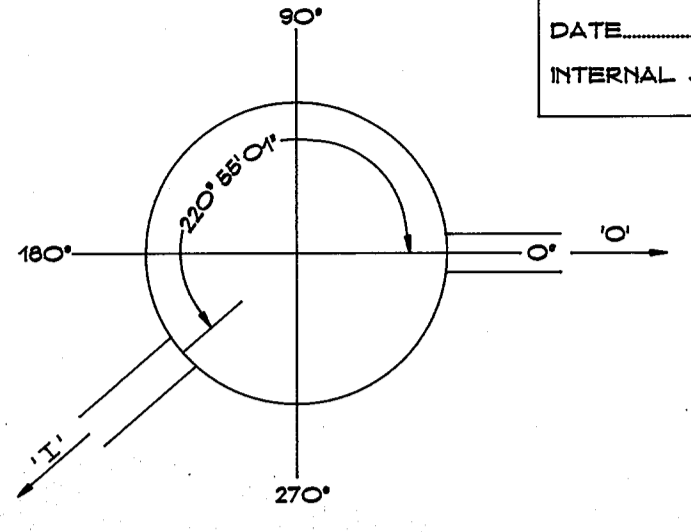
AMENDED SITE GEOMETRY

Des By	R.J.W.	Scale	1" = 100'	Proj No	6089.02
Drn By	A.J.R.	Date	OCTOBER 1996	DRAWING NO.	96-010
Chk By	J.R.H.	Approved	10 OF 18		

**CONCRETE STORMCEPTOR ORDER REQUEST FORM**

**CONTRACTOR INFORMATION**  
 NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_  
 STATE \_\_\_\_\_  
 CONTACT \_\_\_\_\_  
 PHONE \_\_\_\_\_  
 FAX \_\_\_\_\_

**OFFICE USE ONLY**  
 ORDER # \_\_\_\_\_  
 DATE \_\_\_\_\_  
 INTERNAL SALE \_\_\_\_\_



**OWNER INFORMATION**  
 INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 MR. MICHAEL MCLOAD  
 PHONE (404) 238-0285  
 FAX (404) 233-5372

PLEASE DRAW ORIENTATION OF INLET AND OUTLET PIPES ON DIAGRAM ALONG WITH PIPE INSIDE DIAMETER (IN) AND INVERT ELEVATION (FT.). CLEARLY MARK INLET PIPES WITH AN 'I' AND OUTLET PIPES WITH AN 'O' AND PROVIDE THE INLET/OUTLET PIPE ANGLE IN DEGREES.

STORMCEPTOR MODEL	INSERT SIZE	MANHOLE NUMBER	TOP ELEVATION (FT.)	INLET PIPE INVERT (FT.)	OUTLET PIPE INVERT (FT.)	PIPE TYPE	PIPE INSIDE DIAMETER (IN) [ID]	PIPE OUTSIDE DIAMETER (IN) [OD]
900 <input type="checkbox"/> 3600 <input type="checkbox"/>	22" <input type="checkbox"/>	1	175.50	168.88	168.48	RCCP CL III	30"	37"
1200 <input type="checkbox"/> 4800 <input checked="" type="checkbox"/>	32" <input type="checkbox"/>							
1800 <input type="checkbox"/> 6000 <input type="checkbox"/>	44" <input checked="" type="checkbox"/>							
2400 <input type="checkbox"/> 7200 <input type="checkbox"/>	CUSTOM _____							

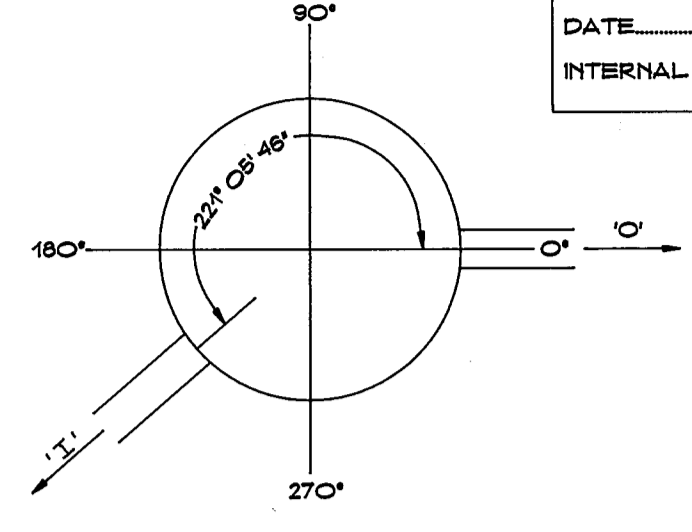
**PROJECT NAME** CARMAX  
 APPROXIMATE FRAME UNTIL REQUIRED DELIVERY (WEEKS) \_\_\_\_\_  
 DELIVERY ADDRESS: STREET 8800 FREESTATE DRIVE  
 CITY SAVAGE STATE MARYLAND ZIP CODE 20763  
 DESIGNER COMPANY PHOENIX ENGINEERING, INC.  
 DESIGNER CONTACT JOHN R. HENNRICH, P.E. PHONE (410) 247-8833 FAX (410) 247-9397

PLEASE FAX THIS ORDER TO STORMCEPTOR AT (301) 762-4190 FOR TECHNICAL ASSISTANCE PLEASE CALL STORMCEPTOR CORPORATION AT (301) 762-8361 OR TOLL FREE AT 1 (800) 762-4703

**CONCRETE STORMCEPTOR ORDER REQUEST FORM**

**CONTRACTOR INFORMATION**  
 NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_  
 STATE \_\_\_\_\_  
 CONTACT \_\_\_\_\_  
 PHONE \_\_\_\_\_  
 FAX \_\_\_\_\_

**OFFICE USE ONLY**  
 ORDER # \_\_\_\_\_  
 DATE \_\_\_\_\_  
 INTERNAL SALE \_\_\_\_\_



**OWNER INFORMATION**  
 INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 MR. MICHAEL MCLOAD  
 PHONE (404) 238-0285  
 FAX (404) 233-5372

PLEASE DRAW ORIENTATION OF INLET AND OUTLET PIPES ON DIAGRAM ALONG WITH PIPE INSIDE DIAMETER (IN) AND INVERT ELEVATION (FT.). CLEARLY MARK INLET PIPES WITH AN 'I' AND OUTLET PIPES WITH AN 'O' AND PROVIDE THE INLET/OUTLET PIPE ANGLE IN DEGREES.

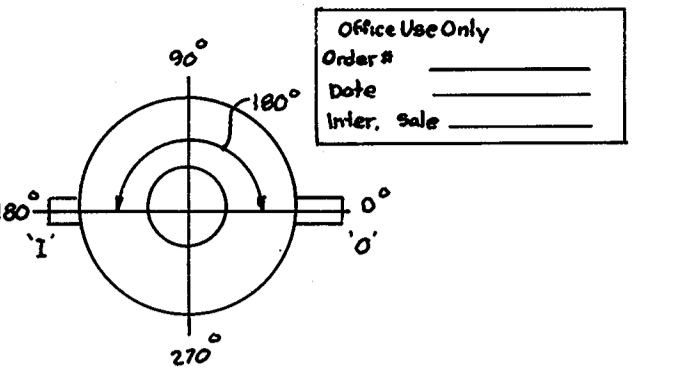
STORMCEPTOR MODEL	INSERT SIZE	MANHOLE NUMBER	TOP ELEVATION (FT.)	INLET PIPE INVERT (FT.)	OUTLET PIPE INVERT (FT.)	PIPE TYPE	PIPE INSIDE DIAMETER (IN) [ID]	PIPE OUTSIDE DIAMETER (IN) [OD]
900 <input type="checkbox"/> 3600 <input checked="" type="checkbox"/>	22" <input type="checkbox"/>	2	182.00	172.87	172.71	RCCP CL III	24"	31"
1200 <input type="checkbox"/> 4800 <input type="checkbox"/>	32" <input checked="" type="checkbox"/>							
1800 <input type="checkbox"/> 6000 <input type="checkbox"/>	44" <input type="checkbox"/>							
2400 <input type="checkbox"/> 7200 <input type="checkbox"/>	CUSTOM _____							

**PROJECT NAME** CARMAX  
 APPROXIMATE FRAME UNTIL REQUIRED DELIVERY (WEEKS) \_\_\_\_\_  
 DELIVERY ADDRESS: STREET 8800 FREESTATE DRIVE  
 CITY SAVAGE STATE MARYLAND ZIP CODE 20763  
 DESIGNER COMPANY PHOENIX ENGINEERING, INC.  
 DESIGNER CONTACT JOHN R. HENNRICH, P.E. PHONE (410) 247-8833 FAX (410) 247-9397

PLEASE FAX THIS ORDER TO STORMCEPTOR AT (301) 762-4190 FOR TECHNICAL ASSISTANCE PLEASE CALL STORMCEPTOR CORPORATION AT (301) 762-8361 OR TOLL FREE AT 1 (800) 762-4703

**Concrete Stormceptor Order Request Form**

**Contractor Information**  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_  
 State \_\_\_\_\_  
 Contact \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_



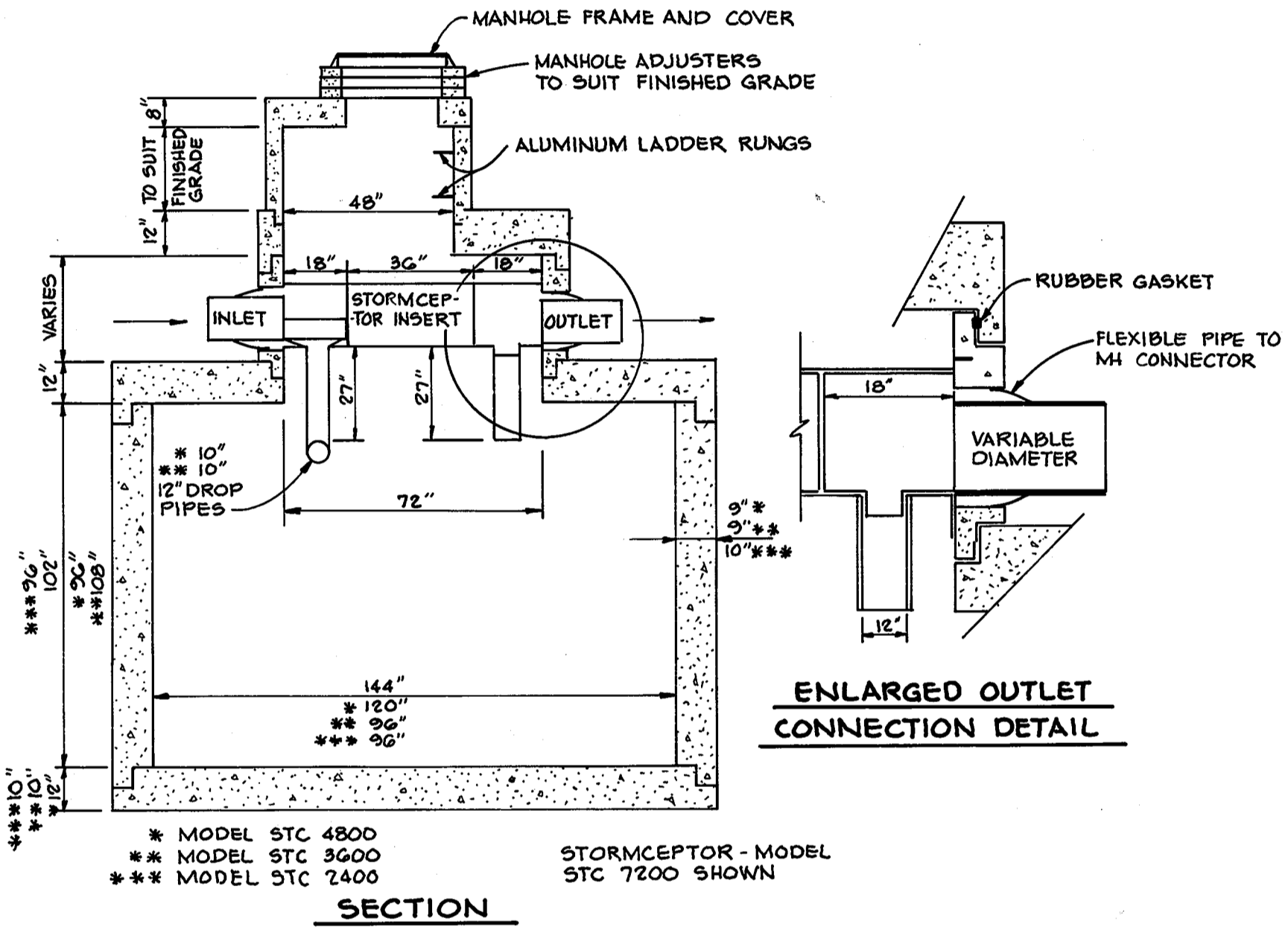
**Owner Information**  
 Name CARMAX INC.  
 Phone (804) 747-2422 X4124  
 Fax (804) 527-6830

PLEASE DRAW ORIENTATION OF INLET AND OUTLET PIPES ON DIAGRAM ALONG WITH PIPE INSIDE DIAMETER (IN) AND INVERT ELEVATION (FT.). CLEARLY MARK INLET PIPES WITH AN 'I' AND OUTLET PIPES WITH AN 'O' AND PROVIDE THE INLET/OUTLET PIPE ANGLE IN DEGREES.

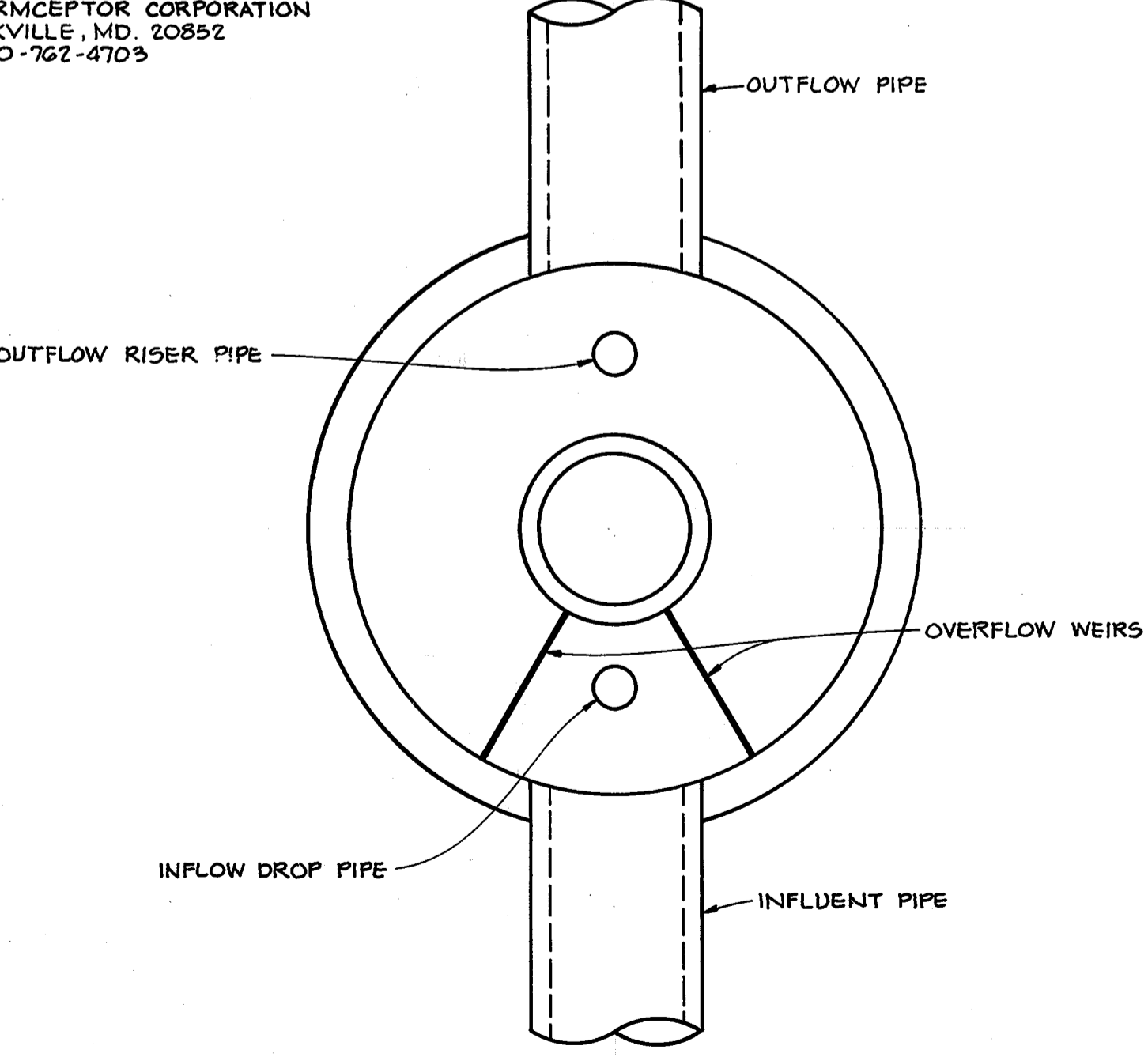
Stormceptor Model	Insert Size	Manhole Number	Top Elevation (ft)	Inlet Pipe Invert (ft)	Outlet Pipe Invert (ft)	Pipe Type	Pipe Inside Diam. (in) [ID]	Pipe Outside Diam. (in) [OD]
900 <input type="checkbox"/> 3600 <input type="checkbox"/>	22" <input type="checkbox"/>	1	180.00	174.84	174.01	RCCP CL III	15"	20"
1200 <input type="checkbox"/> 4800 <input type="checkbox"/>	32" <input type="checkbox"/>							
1800 <input type="checkbox"/> 6000 <input type="checkbox"/>	44" <input type="checkbox"/>							
2400 <input type="checkbox"/> 7200 <input type="checkbox"/>	Custom _____							

**Project Name** CARMAX  
 Approx. time frame until required delivery weeks \_\_\_\_\_  
 Delivery Address: 8800 FREESTATE DRIVE  
 City SAVAGE State MD Zip Code 20763  
 Design Company PHOENIX ENGINEERING INC.  
 Design Contact J. HENNRICH Phone (410) 247-8833 Fax (410) 247-9397

Please fax this order to Stormceptor at (301) 762-4190 For Technical Assistance Please Call Stormceptor Corporation at (301) 762-8361 or toll free at 1 (800) 762-4703



NOTE: STORMCEPTOR TO BE MODEL STC AS MANUFACTURED BY STORMCEPTOR CORPORATION ROCKVILLE, MD. 20852 1-800-762-4703



**TYPICAL SINGLE INLET STORMCEPTOR**  
 NO SCALE

**STORMCEPTOR MAINTENANCE SCHEDULE**

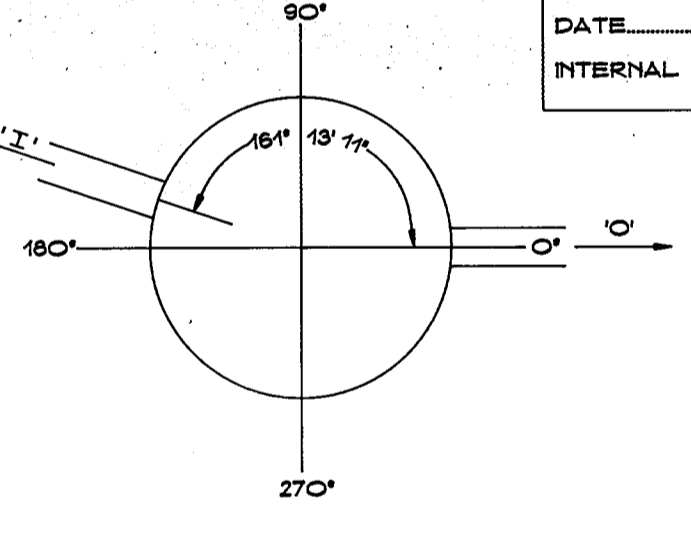
**MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)**

- STORMCEPTOR WATER QUALITY STRUCTURES WILL REQUIRE PERIODIC INSPECTION AND CLEANING TO MAINTAIN OPERATION AND FUNCTION. OWNERS WILL HAVE THE STORMCEPTOR UNIT VISUALLY INSPECTED TWICE A YEAR OR AS REQUIRED BY HOWARD COUNTY. UTILIZING THE STORMCEPTOR INSPECTION/MONITORING FORM. INSPECTIONS CAN BE DONE BY USING A CLEAR PLEXIGLAS TUBE ('SLUDGE JUDGE') TO EXTRACT A WATER COLUMN SAMPLE. WHEN SEDIMENT DEPTHS EXCEED THE SPECIFIED LEVEL (TABLE 6 OF TECHNICAL MANUAL) THEN CLEANING OF THE UNIT IS REQUIRED.
- THE STORMCEPTOR MUST AND WILL BE CLEANED IMMEDIATELY AFTER A PETROLEUM SPILL OCCURS. ALL APPROPRIATE REGULATORY AGENCIES WILL BE NOTIFIED IMMEDIATELY IN THE EVENT OF A SPILL.
- CLEANING OF STORMCEPTOR UNITS SHOULD BE DONE BY A VACUUM TRUCK WHICH WILL REMOVE THE WATER, SEDIMENT, DEBRIS, FLOATING HYDROCARBONS AND OTHER MATERIALS IN UNIT.
- THE DISPOSAL OF THE LIQUID AND SOLID MATTER SHALL BE AS FOLLOWS:
  - ALL LIQUID MATERIAL SHALL BE PUMPED BY A LICENSED WASTE MANAGEMENT COMPANY INTO A SUITABLE TANK TRUCK AND DISPOSED OF AT AN APPROVED SEWAGE TREATMENT PLANT.
  - ALL SOLID MATERIAL SHALL BE INCINERATED BY A LICENSED FACILITY OR TAKEN TO AN APPROVED SANITARY LANDFILL AND DISCHARGED IN AN APPROVED MATTER.
- STORMCEPTOR INLET AND OUTLET PIPES SHALL BE PERIODICALLY INSPECTED FOR BLOCKAGES. BLOCKAGES SHALL BE REMOVED AND DISPOSED OF AS REQUIRED IN #4 ABOVE. STRUCTURAL PARTS SHALL BE INSPECTED AND REPAIRED AS NEEDED.
- THE OWNER SHALL RETAIN AND MAKE STORMCEPTOR INSPECTION/MONITORING FORMS AVAILABLE TO HOWARD COUNTY UPON THEIR REQUEST.

**CONCRETE STORMCEPTOR ORDER REQUEST FORM**

**CONTRACTOR INFORMATION**  
 NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_  
 STATE \_\_\_\_\_  
 CONTACT \_\_\_\_\_  
 PHONE \_\_\_\_\_  
 FAX \_\_\_\_\_

**OFFICE USE ONLY**  
 ORDER # \_\_\_\_\_  
 DATE \_\_\_\_\_  
 INTERNAL SALE \_\_\_\_\_



**OWNER INFORMATION**  
 INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 MR. MICHAEL MCLOAD  
 PHONE (404) 238-0285  
 FAX (404) 233-5372

PLEASE DRAW ORIENTATION OF INLET AND OUTLET PIPES ON DIAGRAM ALONG WITH PIPE INSIDE DIAMETER (IN) AND INVERT ELEVATION (FT.). CLEARLY MARK INLET PIPES WITH AN 'I' AND OUTLET PIPES WITH AN 'O' AND PROVIDE THE INLET/OUTLET PIPE ANGLE IN DEGREES.

STORMCEPTOR MODEL	INSERT SIZE	MANHOLE NUMBER	TOP ELEVATION (FT.)	INLET PIPE INVERT (FT.)	OUTLET PIPE INVERT (FT.)	PIPE TYPE	PIPE INSIDE DIAMETER (IN) [ID]	PIPE OUTSIDE DIAMETER (IN) [OD]
900 <input type="checkbox"/> 3600 <input checked="" type="checkbox"/>	22" <input type="checkbox"/>	3	188.00	174.82	174.82	RCCP CL III	24"	31"
1200 <input type="checkbox"/> 4800 <input type="checkbox"/>	32" <input checked="" type="checkbox"/>							
1800 <input type="checkbox"/> 6000 <input type="checkbox"/>	44" <input type="checkbox"/>							
2400 <input type="checkbox"/> 7200 <input type="checkbox"/>	CUSTOM _____							

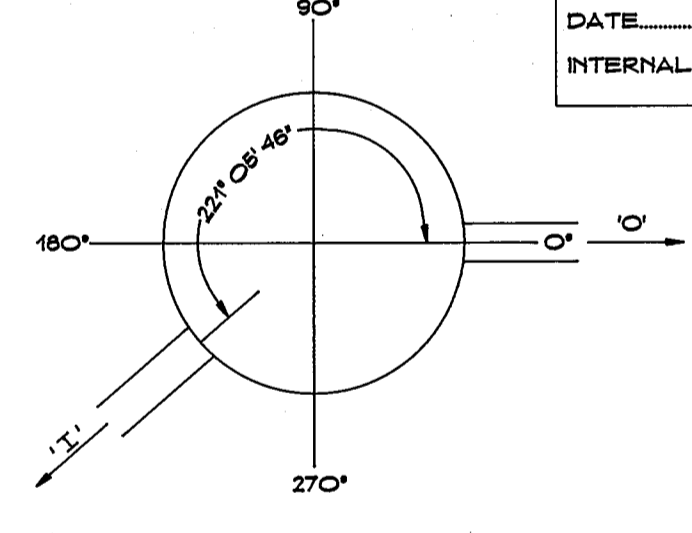
**PROJECT NAME** CARMAX  
 APPROXIMATE FRAME UNTIL REQUIRED DELIVERY (WEEKS) \_\_\_\_\_  
 DELIVERY ADDRESS: STREET 8800 FREESTATE DRIVE  
 CITY SAVAGE STATE MARYLAND ZIP CODE 20763  
 DESIGNER COMPANY PHOENIX ENGINEERING, INC.  
 DESIGNER CONTACT JOHN R. HENNRICH, P.E. PHONE (410) 247-8833 FAX (410) 247-9397

PLEASE FAX THIS ORDER TO STORMCEPTOR AT (301) 762-4190 FOR TECHNICAL ASSISTANCE PLEASE CALL STORMCEPTOR CORPORATION AT (301) 762-8361 OR TOLL FREE AT 1 (800) 762-4703

**CONCRETE STORMCEPTOR ORDER REQUEST FORM**

**CONTRACTOR INFORMATION**  
 NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_  
 STATE \_\_\_\_\_  
 CONTACT \_\_\_\_\_  
 PHONE \_\_\_\_\_  
 FAX \_\_\_\_\_

**OFFICE USE ONLY**  
 ORDER # \_\_\_\_\_  
 DATE \_\_\_\_\_  
 INTERNAL SALE \_\_\_\_\_



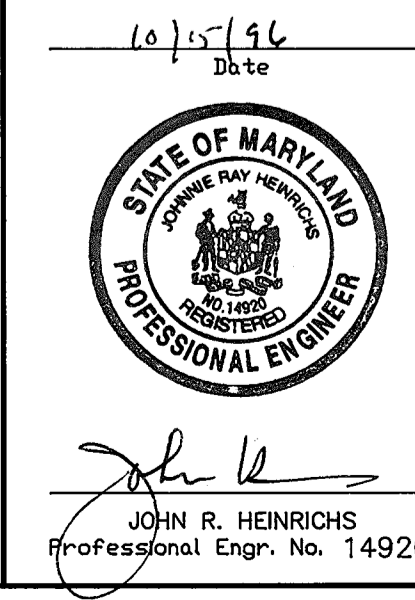
**OWNER INFORMATION**  
 INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 MR. MICHAEL MCLOAD  
 PHONE (404) 238-0285  
 FAX (404) 233-5372

PLEASE DRAW ORIENTATION OF INLET AND OUTLET PIPES ON DIAGRAM ALONG WITH PIPE INSIDE DIAMETER (IN) AND INVERT ELEVATION (FT.). CLEARLY MARK INLET PIPES WITH AN 'I' AND OUTLET PIPES WITH AN 'O' AND PROVIDE THE INLET/OUTLET PIPE ANGLE IN DEGREES.

STORMCEPTOR MODEL	INSERT SIZE	MANHOLE NUMBER	TOP ELEVATION (FT.)	INLET PIPE INVERT (FT.)	OUTLET PIPE INVERT (FT.)	PIPE TYPE	PIPE INSIDE DIAMETER (IN) [ID]	PIPE OUTSIDE DIAMETER (IN) [OD]
900 <input type="checkbox"/> 3600 <input checked="" type="checkbox"/>	22" <input type="checkbox"/>	4	181.25	171.09	170.93	RCCP CL III	30"	37"
1200 <input type="checkbox"/> 4800 <input type="checkbox"/>	32" <input type="checkbox"/>							
1800 <input type="checkbox"/> 6000 <input type="checkbox"/>	44" <input checked="" type="checkbox"/>							
2400 <input type="checkbox"/> 7200 <input type="checkbox"/>	CUSTOM _____							

**PROJECT NAME** CARMAX  
 APPROXIMATE FRAME UNTIL REQUIRED DELIVERY (WEEKS) \_\_\_\_\_  
 DELIVERY ADDRESS: STREET 8800 FREESTATE DRIVE  
 CITY SAVAGE STATE MARYLAND ZIP CODE 20763  
 DESIGNER COMPANY PHOENIX ENGINEERING, INC.  
 DESIGNER CONTACT JOHN R. HENNRICH, P.E. PHONE (410) 247-8833 FAX (410) 247-9397

PLEASE FAX THIS ORDER TO STORMCEPTOR AT (301) 762-4190 FOR TECHNICAL ASSISTANCE PLEASE CALL STORMCEPTOR CORPORATION AT (301) 762-8361 OR TOLL FREE AT 1 (800) 762-4703



**ENGINEER'S CERTIFICATE**  
 I/WE 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 COUNTY SOIL CONSERVATION DISTRICT.  
 John R. Henrichs 12-11-96  
 ENGINEER JOHN R. HENNRICHS, VICE PRESIDENT PROXIM ENGINEERING, INC. DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND 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 HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 M.D. Felton 12-11-96  
 DEVELOPER MICHAEL FELTON, VICE PRESIDENT INDUSTRIAL DEVELOPMENTS INTERNATIONAL DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Cheryl L. Sommers 9-22-97  
 NATURAL RESOURCES CONSERVATION SERVICES DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 John R. Robertson 1/23/97  
 HOWARD SCD DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 James M. Boyd MD 1/23/97  
 COUNTY HEALTH OFFICER MR. BOYD DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Cheryl L. Sommers 1/25/97  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Richard Beal 1/24/97  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

James V. Sawyer 1/24/97  
 DIRECTOR DATE

Date	No.	Revision Description
6-7-01	1	ADDED CARPORTS AND 260 WIP SPACES

**OWNER:** ACME COMMERCIAL CORPORATION  
 8950 MATLAND DRIVE  
 ROCKVILLE, VIRGINIA 22085  
 ATTN: BENJAMIN B. CUMMINGS, JR.

**DEVELOPER:** INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 3343 PEACHTREE ROAD N.E., SUITE 1050  
 ATLANTA, GEORGIA 30328  
 ATTN: MICHAEL B. MCLOAD (414) 238-0285

**PHOENIX ENGINEERING, INC.**  
 CONSULTING ENGINEERS  
 813 MAIDEN CHOICE LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8833 FAX 247-9397

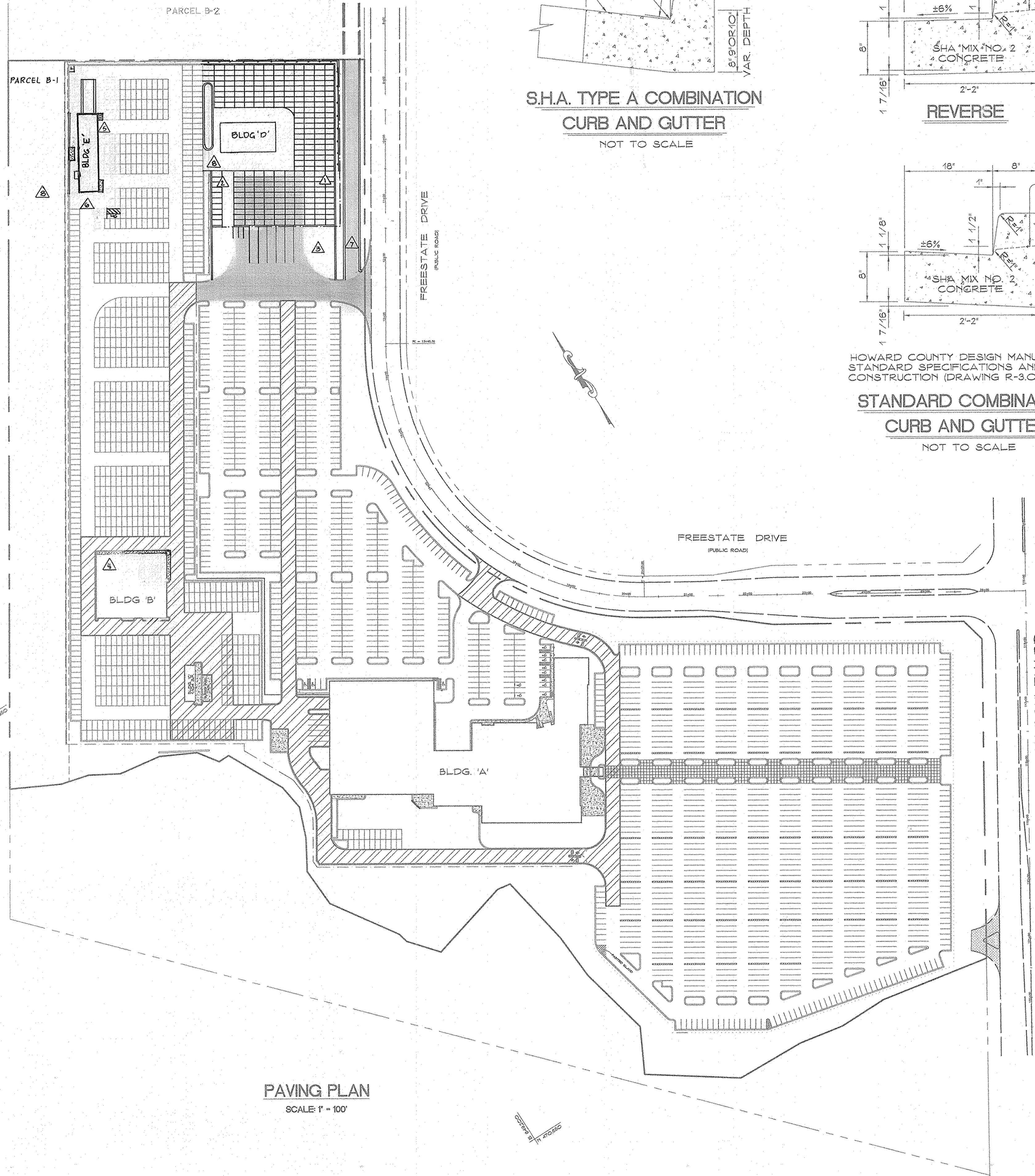
AREA PLAT NO. 11889-11891 CENSUS TRACT NO. 6068.02  
 FREESTATE CARMAX P/O PARCEL B  
 TAX MAP NO. 47 ELEC. DIST. No. 6 HOWARD COUNTY, MARYLAND PARCEL 142

TITLE FORMERLY SDP 96-147  
**Carmax** THE AUTO SUPERSTORE  
 JAN 15 1997

AMENDED WATER QUALITY DETAILS  
 Des By R.J.W. Scale NO SCALE Proj No CMDET.DWG 96-010  
 Dm By A.J.R. Date OCTOBER 1996 DRAWING NO 11 OF 18  
 Ck By J.R.H. Approved 682-06-442

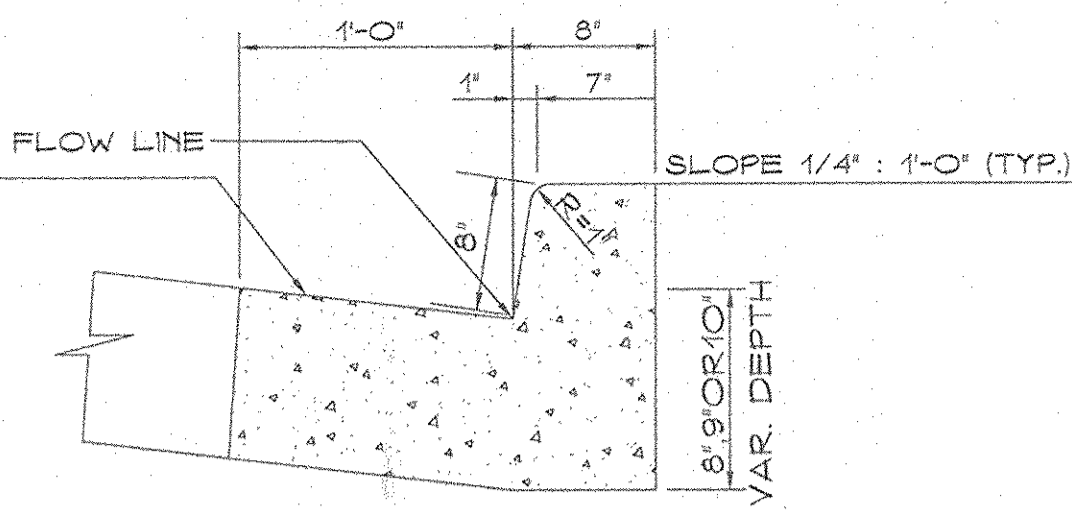
**SDP-97-49**

BOLLING BROOKE FARMS  
PARCEL B  
PLAT 98364 9837

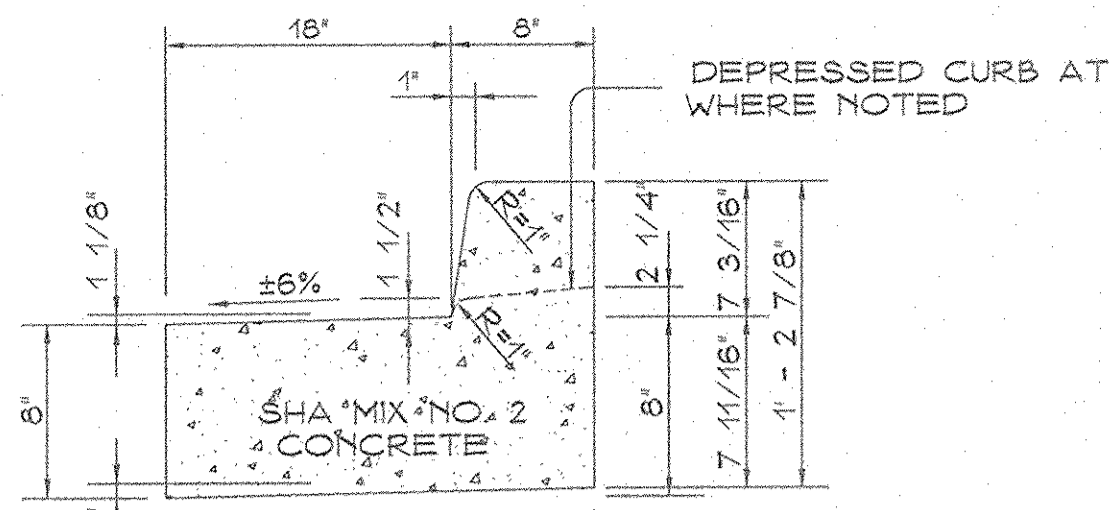


PAVING PLAN  
SCALE: 1" = 100'

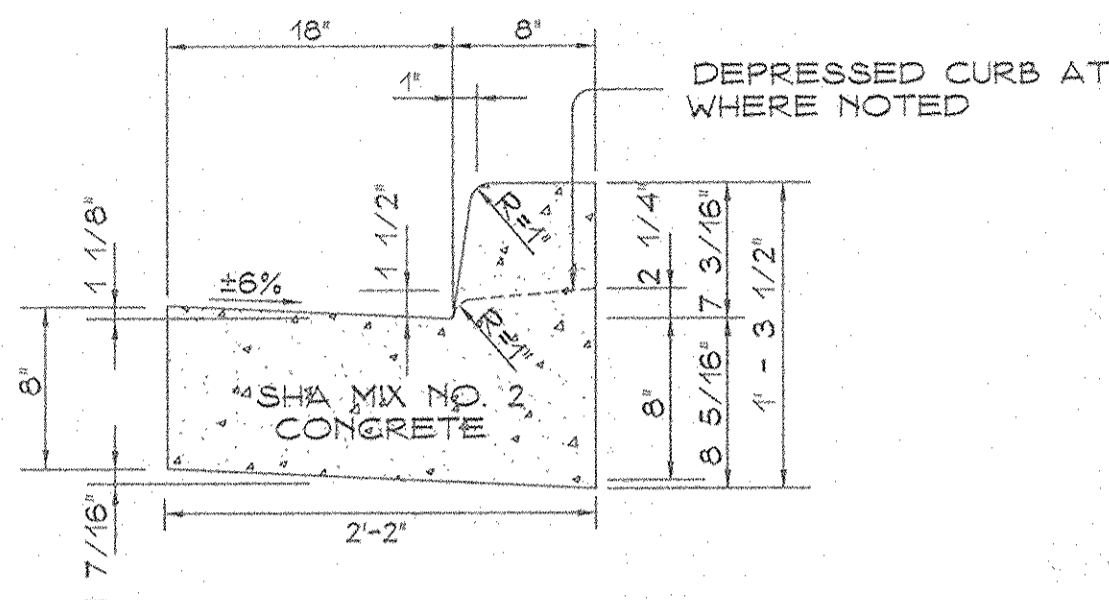
SLOPE GUTTER PAN 1/2" : 1'-0"  
TOWARD FLOW LINE ON ALL  
ROADWAYS INCLUDING SUPERELEVATED  
SECTIONS.



S.H.A. TYPE A COMBINATION  
CURB AND GUTTER  
NOT TO SCALE

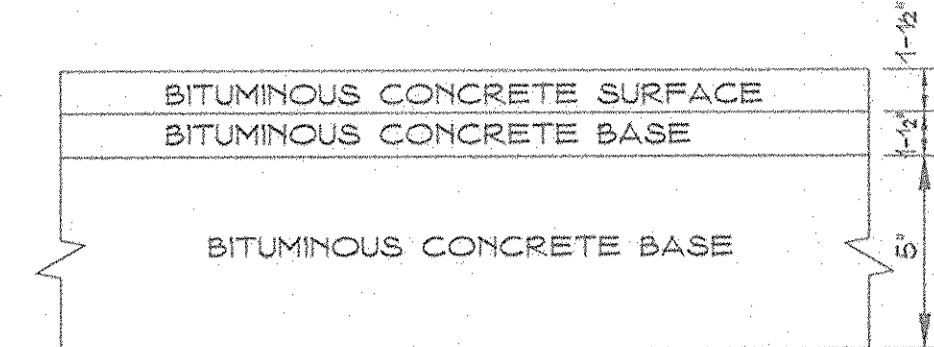
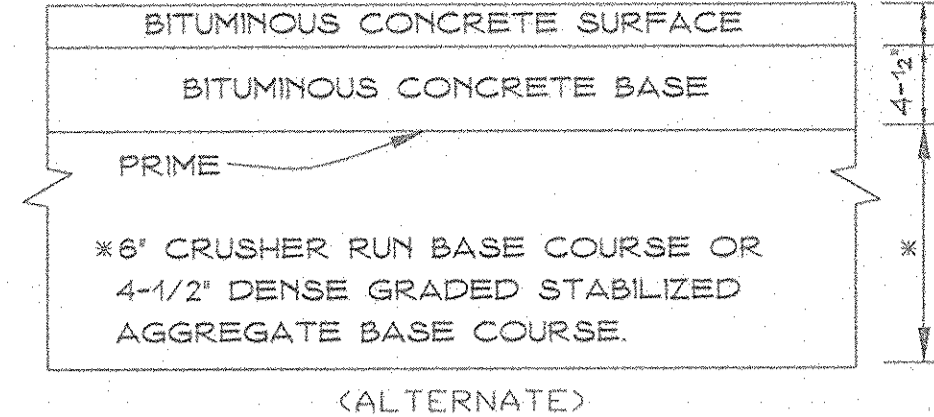


REVERSE  
STANDARD COMBINATION  
CURB AND GUTTER  
NOT TO SCALE



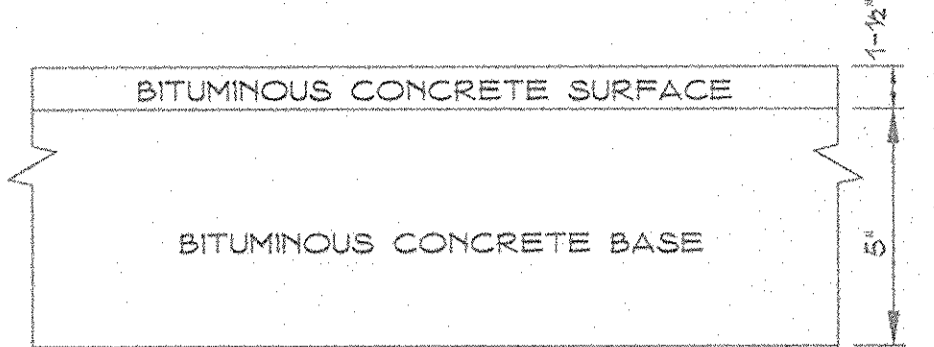
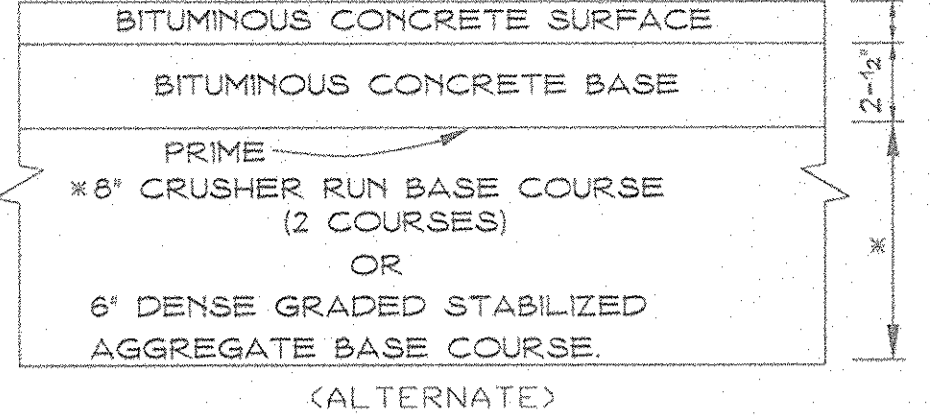
HOWARD COUNTY DESIGN MANUAL VOLUME IV  
STANDARD SPECIFICATIONS AND DETAILS FOR  
CONSTRUCTION (DRAWING R-3.01)

STANDARD COMBINATION  
CURB AND GUTTER  
NOT TO SCALE



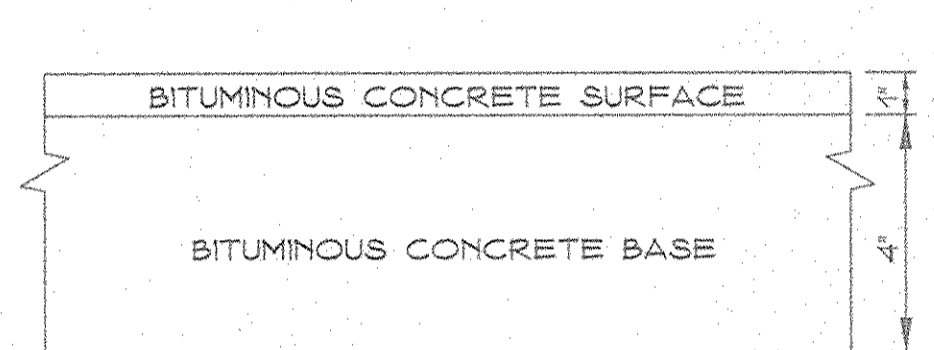
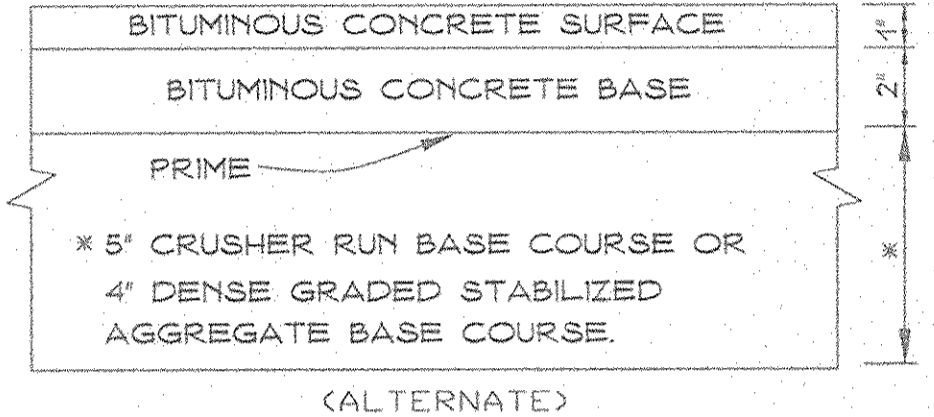
HOWARD COUNTY DESIGN MANUAL VOLUME IV  
STANDARD SPECIFICATIONS AND DETAILS FOR  
CONSTRUCTION (DRAWING R-2.01)

P-3 PAVING  
NOT TO SCALE



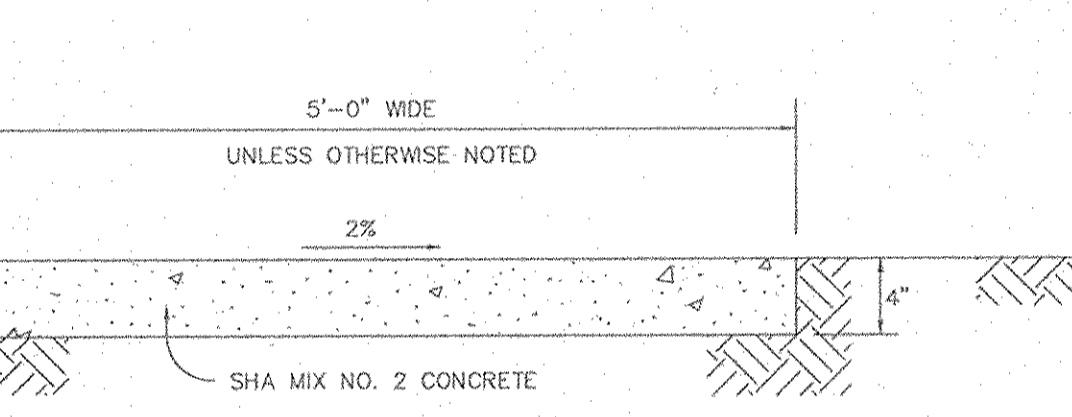
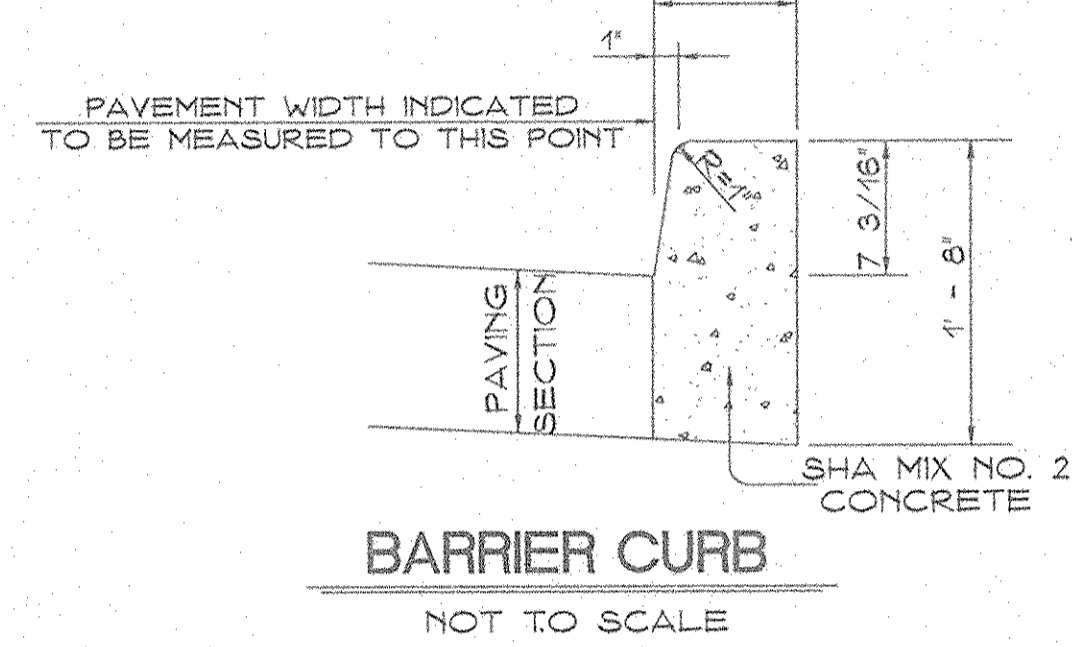
HOWARD COUNTY DESIGN MANUAL VOLUME IV  
STANDARD SPECIFICATIONS AND DETAILS FOR  
CONSTRUCTION (DRAWING R-2.01)

P-2 PAVING  
NOT TO SCALE



HOWARD COUNTY DESIGN MANUAL VOLUME IV  
STANDARD SPECIFICATIONS AND DETAILS FOR  
CONSTRUCTION (DRAWING R-2.01)

P-1 PAVING  
NOT TO SCALE



SIDEWALK DETAIL  
NOT TO SCALE

**LEGEND**

[Pattern]	P-1 PAVING 83,293 SQ. YDS.
[Pattern]	P-2 PAVING 19,920 SQ. YDS.
[Pattern]	P-3 PAVING 3,385 SQ. YDS.

DATE	NO.	REVISION
9-01-05	1	ADDED TRUCK PARKING LANE
3-10-05	2	MOVED PAINT BLDG 'E'
6-20-02	3	ADDED PAINT BLDG 'E'
5-25-02	4	ADDED ADDITION TO BUILDING 'B'
5-9-02	5	ADDED 108 W.I.P. SPACES @ BUILDING 'D'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

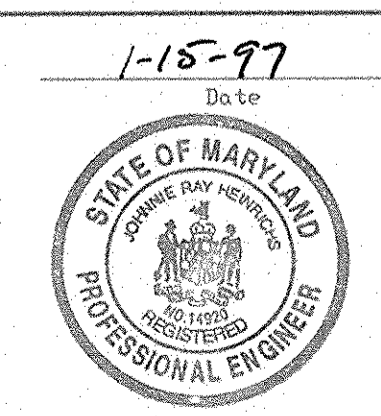
*Joyce M. Boyd MD* 1/23/97  
 CITY HEALTH OFFICER  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Richard Blood* 1/24/97  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
*Richard Blood* 1/24/97  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
*Michael S. ...* 1/24/97  
 DIRECTOR

Date	No.	Revision Description
11-10-01	1	ADDED BUILDING 'D'
5-7-01	2	ADDED CARPORTS AND 260 WIP SPACES

OWNER: ACME COMMERCIAL CORPORATION  
 9950 MAYLAND DRIVE  
 RICHMOND, VIRGINIA 23233  
 ATTN: BENJAMIN B. CUMMINGS

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 3343 PRACHTREE ROAD N.E., SUITE 1050  
 ATLANTA, GEORGIA 30328  
 ATTN: MICHAEL B. MCGLOAD (414) 238-0285

PHOENIX ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 813 MAIDEN CHOICE LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8833 FAX 247-9397

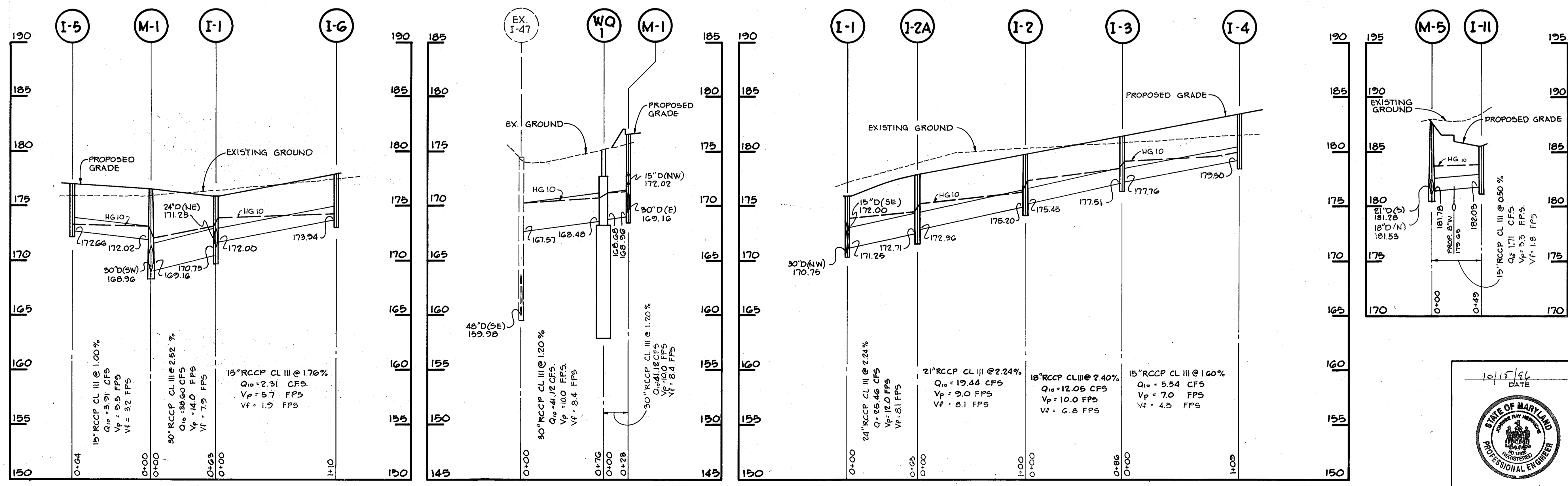
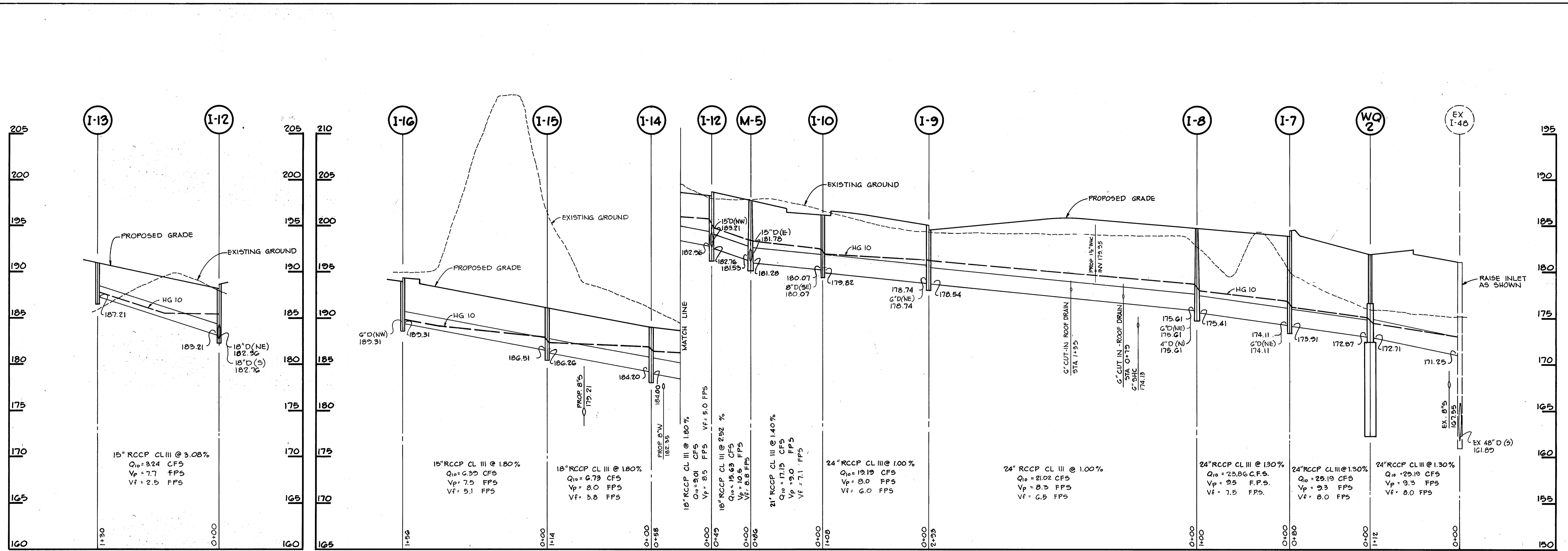


AREA PLAT NO. 15721-23 CENSUS TRACT NO. 6069.02  
 FREESTATE CARMAX PARCEL B1410-2  
 8800 FREESTATE DRIVE  
 TAX MAP NO. 47 ELEC. DIST. NO. 6, HOWARD COUNTY, MARYLAND PARCEL 142  
 TITLE: **CARMAX**  
 FORMERLY: SDP 96-147 THE AUTO SUPERSTORE  
 AMENDED PAVING PLAN  
 DATE: JAN 15 1997

DATE	NO.	REVISION
5-4-07	1	ADDED 600 S.F. EXPANSION TO BLDG 'D' AND 72 SF EXPANSION TO BLDG 'E'

JOHN R. HEINRICHS  
 Professional Engineer, No. 14920

Des By	R.J.W.	Scale	AS SHOWN	Proj No	PAVING.DWG 96-010
Des By	A.J.R.	Date	DECEMBER 1996		DRAWING NO.
Chk By	J.R.H.	Approved	96-010-147		12 OF 18



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

**JOYCE M. BOYD MD** 1/23/97  
 COUNTY HEALTH OFFICER (P.O. # 142)

**Richard Blom** 1/24/97  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

**Michael B. McLoad** 1/24/97  
 ASST. DIR., DIVISION OF LAND DEVELOPMENT

**John R. Heinrichs** 1/24/97  
 DIRECTOR

Date	No.	Revision Description

OWNER: ACME COMMERCIAL CORPORATION  
 2850 MARYLAND DRIVE  
 RICHMOND, VIRGINIA 23233  
 ATTN: BENJAMIN R. CUMMINGS, JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 3343 PEACHTREE ROAD N.E., SUITE 1050  
 ATLANTA, GEORGIA 30326  
 ATTN: MICHAEL B. MCLOAD (414) 238-0265

**PHOENIX ENGINEERING, INC.**  
 CONSULTING ENGINEERS  
 813 MADDEN CHOICE LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8833 FAX 247-9387

AREA PLAT NO. 11889-11891 CENSUS TRACT NO. 6069.02  
 FREESTATE CARMAX P/O PARCEL B  
 8800 FREESTATE DRIVE  
 TAX MAP NO. 47 ELEC. DIST. NO. 6 HOWARD COUNTY, MARYLAND PARCEL 142

TITLE FORMERLY SDP 96-147 **Carmax** JAN 15 1997  
 THE AUTO SUPERSTORE

AMENDED STORM DRAIN PROFILES

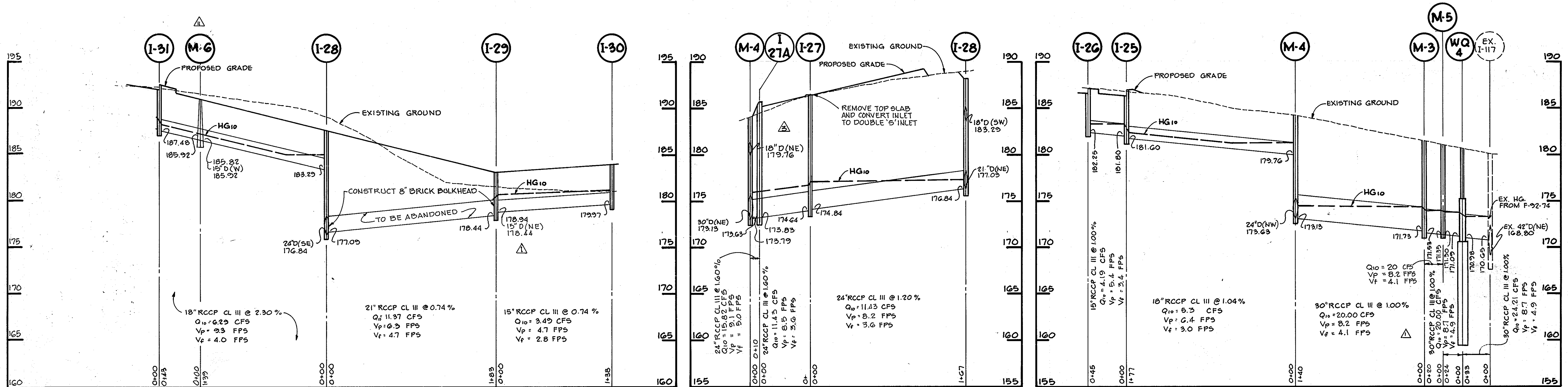
Des By: R.J.W. Scale: H: 1" = 50' V: 1" = 5' Proj No: SDPRO.DWG 96-010  
 Dwn By: A.J.R. Date: MAY 1996 DRAWING NO: 13 OF 18  
 Chk By: J.R.H. Approved: 600-06-142

JOHN R. HEINRICHS  
 Professional Engr. No. 14920

10/15/96 DATE

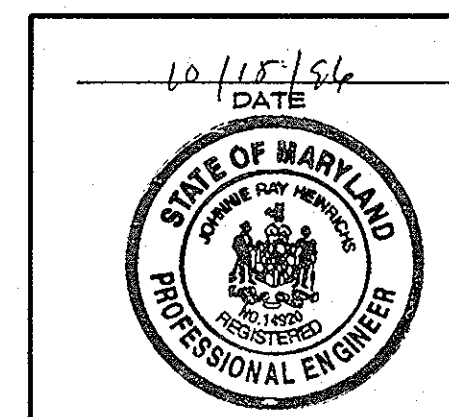
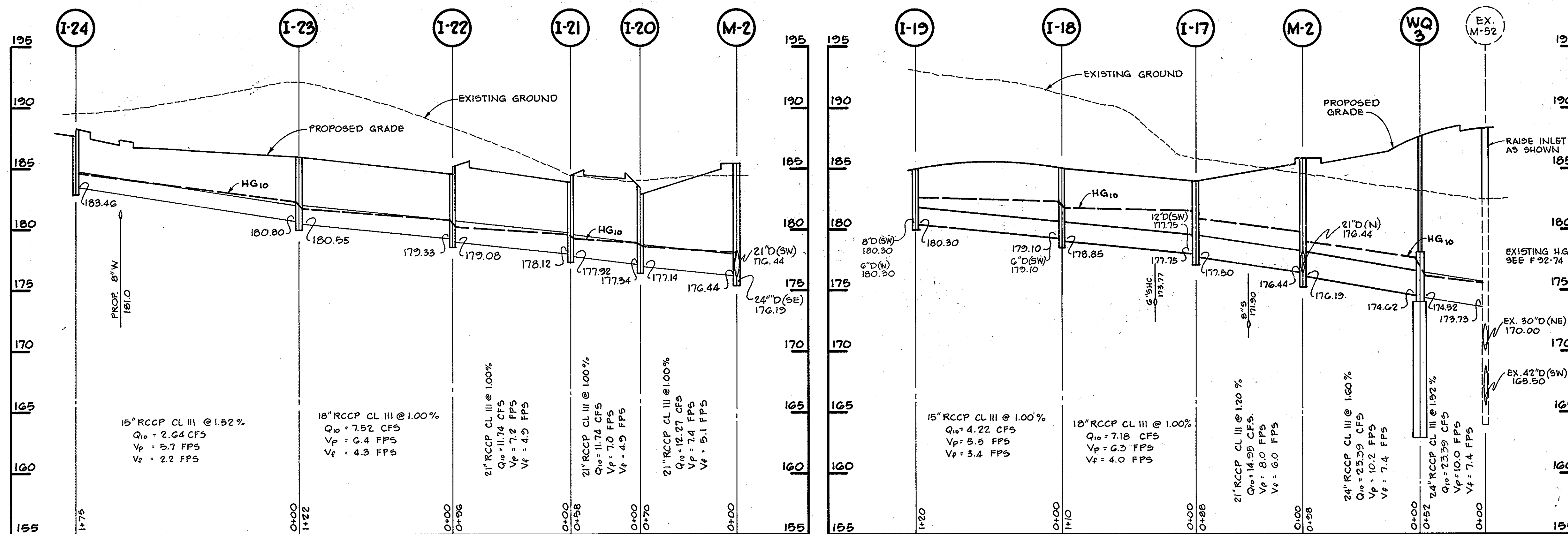
STATE OF MARYLAND  
 PROFESSIONAL ENGINEER

SDP-97-49



NOTE  
FOR TYPICAL CONNECTION TO EXISTING DRAINAGE  
STRUCTURE SEE DETAIL DRAWING NO. 7

$Q_{10}$  = 10 YEAR DISCHARGE  
 $V_p$  = PARTIAL FLOW VELOCITY  
 $V_f$  = FULL FLOW VELOCITY



JOHN R. HEINRICHS  
Professional Engr. No. 14920

4-19-12	REVIS	REVISED 15" SD FROM M-6 TO I-35
7-12-11	REV	REV. STORM DRAIN BETWEEN I-31 AND I-35
6-20-11	ADD	ADDED INLET I-35
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT		
Joyce M. Boyd, M.D. COUNTY HEALTH OFFICER		1/23/97 DATE
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
Richard Blood CHIEF, DEVELOPMENT ENGINEERING DIVISION		1/24/97 DATE
Richard Blood CHIEF, DIVISION OF LAND DEVELOPMENT		1/24/97 DATE
James J. Taylor DIRECTOR		1/23/97 DATE
5-9-02	ADD	ADDED 108 W.I.P. SPACES @ BUILDING 'D'
05-07-01	ADD	ADDED 260 W.I.P. SPACES, CARPORTS
Date	No.	Revision Description
OWNER: ACME COMMERCIAL CORPORATION 8950 MAYLAND DRIVE RICHMOND, VIRGINIA 23238 ATTN: BENJAMIN B. CUMMINGS, JR.		
DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL 3343 PRACHTREE ROAD N.E., SUITE 1050 ATLANTA, GEORGIA 30328 ATTN: MICHAEL B. MCLOAD (414) 238-0285		
PHOENIX ENGINEERING, INC. CONSULTING ENGINEERS 813 MAIDEN CHOICE LANE, SUITE 300 BALTIMORE, MARYLAND 21228 (410) 247-8833 FAX 247-9397		
AREA	PLAT NO. 11889-11891	CENSUS TRACT NO. 8069.02
FREESTATE	CARMAX	P/O PARCEL B
TAX MAP NO. 47	ELEC. DIST. NO. 6	HOWARD COUNTY, MARYLAND PARCEL 142
TITLE FORMERLY SDP 96-147		
AMENDED STORM DRAIN PROFILES		
Des By	R.J.W.	Scale: 1" = 50'
Des By	A.J.R.	Date: MAY 1996
Chk By	J.R.H.	Approved: SDP-96-147
Proj No	SDP-96-147	Sheet No
		14 OF 18

3/26/96-01/01/201 297 999 11 12:10:09 1993

# FREESTATE DRIVE (PUBLIC ROAD)

115+12.76 U.S. 1  
+26+69.39 FREESTATE DR.

TYPE "E" PERIMETER PLANTING

MATCHLINE 'C-C' SEE SHEET 16

BALTIMORE - WASHINGTON BOULEVARD  
U.S. ROUTE 1  
150' ULTIMATE R/W  
(PUBLIC ROAD)

SLOPE ANALYSIS	
	15-25%
	25%+

LEGEND	
	EXISTING TREES
	PROPOSED TREES

- NOTE:
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
  - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$24,800.00.
  - EXISTING TREES WERE APPROVED UNDER F-92-74.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

<i>Joyce M. Boyd M.D.</i>	1/23/97
COY HEALTH OFFICER (M.R. PLAN 20)	DATE
<i>Michael Cummings</i>	1/24/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>Richard Blomel</i>	1/24/97
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
<i>Mark C. ...</i>	1/27/97
DIRECTOR	DATE

5-7-01	ADDED CARPORTS AND 260 WIP SPACES
Date	No
	Revision Description

OWNER: ACME COMMERCIAL CORPORATION  
1800 WYLAND DRIVE  
RICHMOND, VIRGINIA 23233  
ATTN: BENJAMIN B. CUMMINGS, JR.

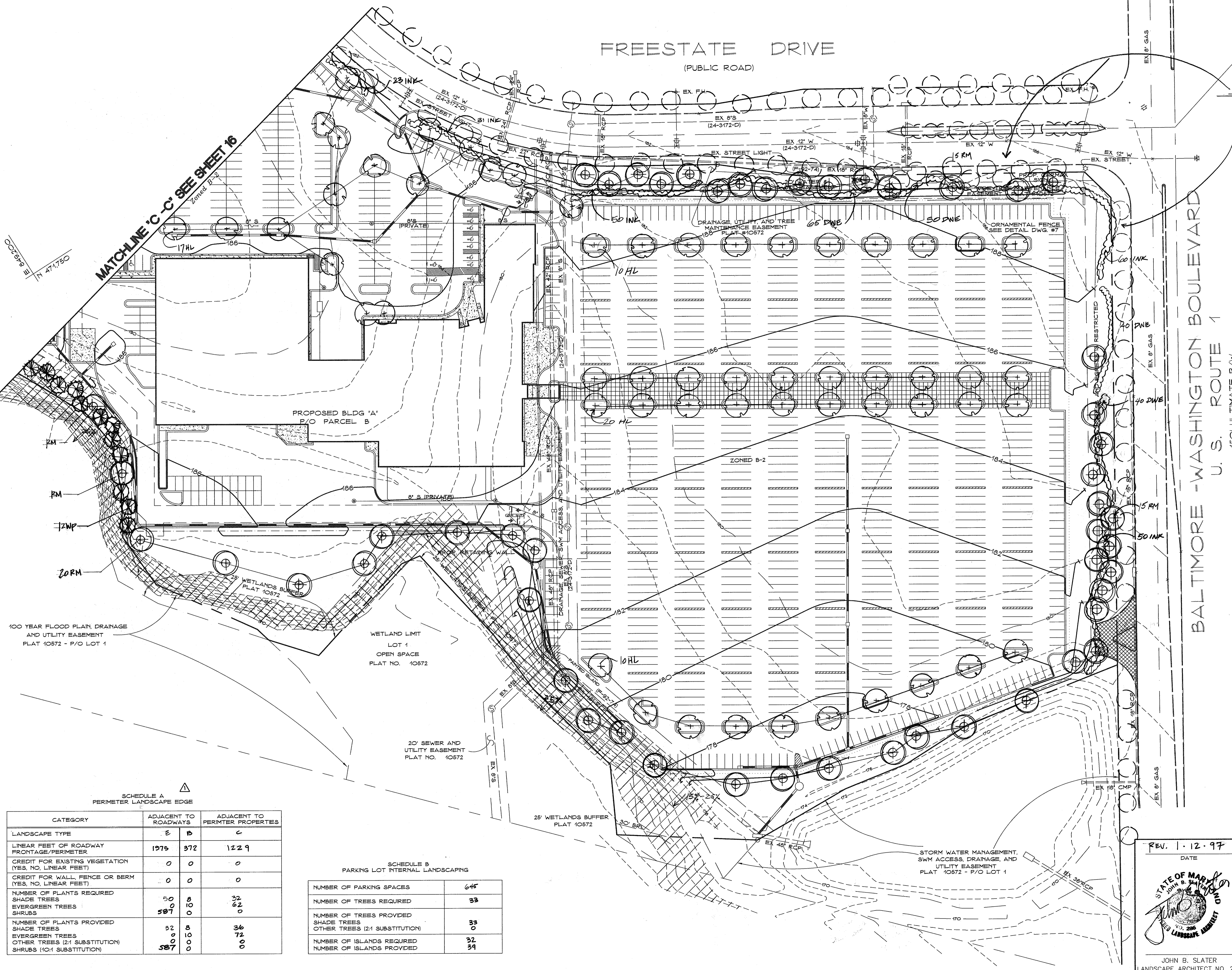
DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
3343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30326  
ATTN: MICHAEL B. MCLOD (414) 238-0265

813 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833 FAX 247-9397

AREA PLAT NO. 11889-11891 CENSUS TRACT No. 6069.02  
FREESTATE CARMAX P/O PARCEL B  
8800 FREESTATE DRIVE  
TAX MAP NO. 47 ELEC. DIST. No. 6 HOWARD COUNTY, MARYLAND PARCEL 142

TITLE: **CARMAX**  
FORMERLY SDP 96-147 THE AUTO SUPERSTORE  
JAN 15 1997

AMENDED LANDSCAPE PLAN  
Des By J.B.S. Scale 1" = 50' Proj No LSPLDWG 96-010  
Dm By J.B.S. & N.H.C. Date DECEMBER, 1996 DRAWING NO  
Chk By N.H.C. Approved SDP-96-147 15 OF 18



100 YEAR FLOOD PLAIN, DRAINAGE AND UTILITY EASEMENT PLAT 10572 - P/O LOT 1

WETLAND LIMIT LOT 1 OPEN SPACE PLAT NO. 10572

20' SEWER AND UTILITY EASEMENT PLAT NO. 10572

25' WETLANDS BUFFER PLAT 10572

STORM WATER MANAGEMENT, SWM ACCESS, DRAINAGE, AND UTILITY EASEMENT PLAT 10572 - P/O LOT 1

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS		ADJACENT TO PERIMETER PROPERTIES
	E	B	
LANDSCAPE TYPE			
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER (YES, NO, LINEAR FEET)	1975	372	1229
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	0	0	0
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET)	0	0	0
NUMBER OF PLANTS PROVIDED			
SHADE TREES	50	8	32
EVERGREEN TREES	0	10	62
SHRUBS	587	0	0
NUMBER OF PLANTS PROVIDED			
SHADE TREES	52	8	36
EVERGREEN TREES	0	10	72
OTHER TREES (2:1 SUBSTITUTION)	0	0	0
SHRUBS (10:1 SUBSTITUTION)	587	0	0

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING

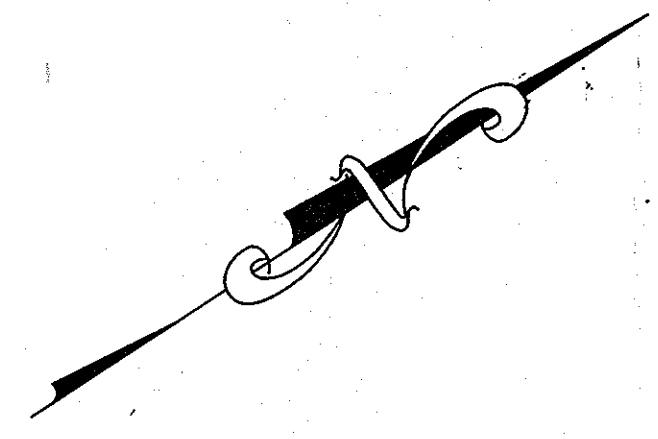
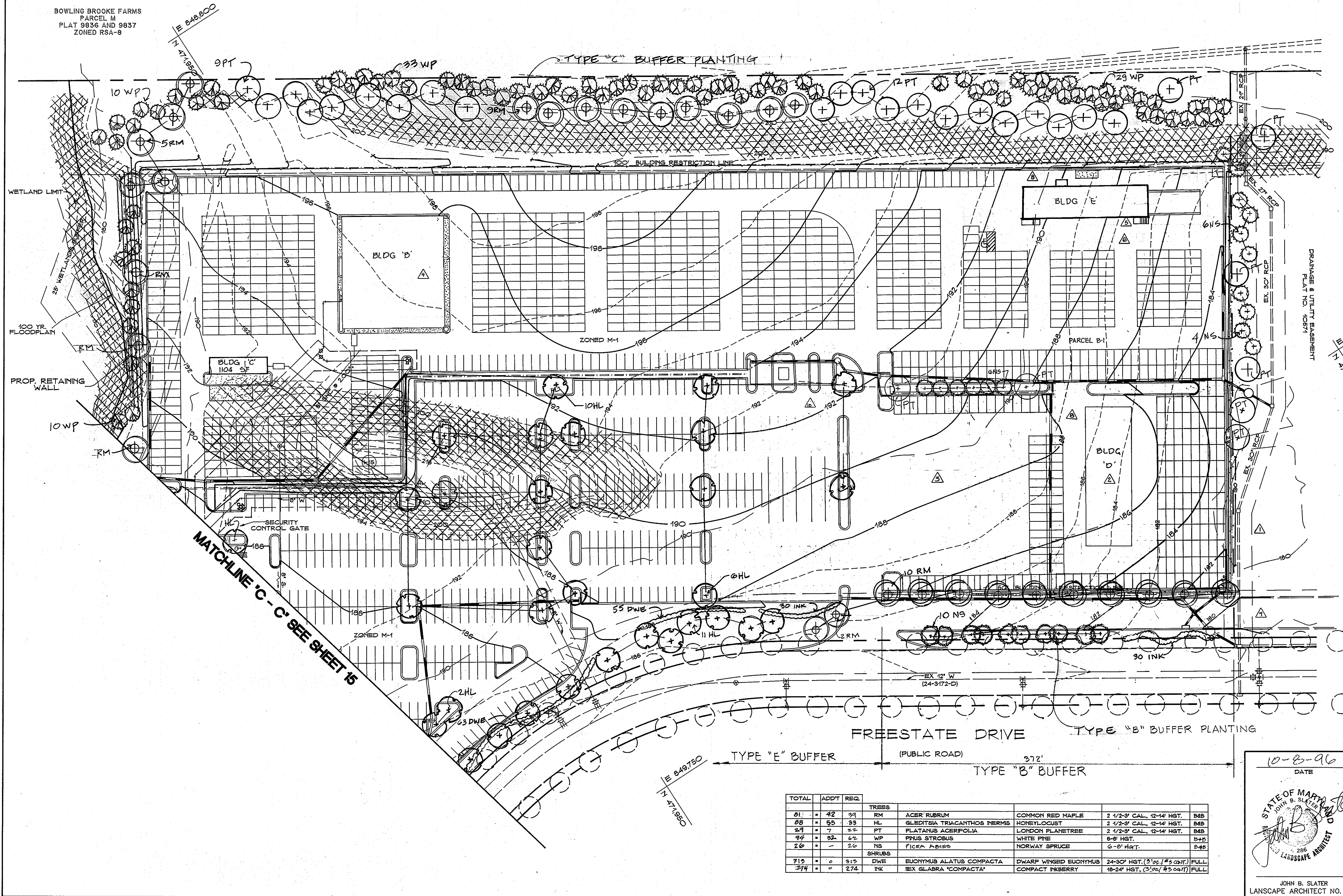
NUMBER OF PARKING SPACES	645
NUMBER OF TREES REQUIRED	33
NUMBER OF TREES PROVIDED	
SHADE TREES	33
OTHER TREES (2:1 SUBSTITUTION)	0
NUMBER OF ISLANDS REQUIRED	32
NUMBER OF ISLANDS PROVIDED	39

REV. 1-12-97  
DATE



JOHN B. SLATER  
LANDSCAPE ARCHITECT NO. 286

BOWLING BROOKE FARMS  
PARCEL M  
PLAT 9836 AND 9837  
ZONED RSA-8



PARCEL B-2

**SLOPE ANALYSIS**

	15-25%
	25%+

DATE	NO.	REVISION
7-12-11	1	REV. STORM DRAIN BETWEEN I-31 AND I-35
5-4-07	2	ADDED 600 SF EXPANSION TO BLDG 'D' AND 72 SF EXPANSION TO BLDG 'E'
3-01-05	3	ADDED TRUCK PARKING LANE
3-10-03	4	MOVED PAINT BLDG 'E'
6-20-02	5	ADDED PAINT BLDG 'E'
5-25-02	6	ADDED ADDITION TO BUILDING 'B'
5-9-02	7	ADDED 108 W.I.P. SPACES @ BUILDING 'D'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. Boyd MD* 1/23/97  
COUNTY HEALTH OFFICER  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Richard Blood* 1/24/97  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
*Richard Blood* 1/24/97  
CHIEF, DIVISION OF LAND DEVELOPMENT  
*Joyce M. Boyd* 1/24/97  
DIRECTOR

Date	No.	Revision Description
11-10-01	1	ADDED BUILDING 'D'
5-7-01	2	ADDED CARPORTS AND 260 WIP SPACES

OWNER: ACME COMMERCIAL CORPORATION  
8960 MAYLAND DRIVE  
RICHMOND, VIRGINIA 23288  
NEW YORK, NEW YORK 10007  
ATTN: BENJAMIN B. CUMMINGS, JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
8343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30328  
ATTN: MICHAEL B. MCLOAD (414) 238-0285

**PHOENIX ENGINEERING INC.**  
CONSULTING ENGINEERS  
813 MAIDEN CHOICE LANE, SUITE 300  
BALTIMORE, MARYLAND 21228  
(410) 247-8833 FAX 247-9397

AREA PLAT NO. 16-791-23 CENSUS TRACT No. 6069.02  
FREESTATE CARMAX PARCEL B-1 & B-2  
TAX MAP NO. 47 ELEC. DIST. No. 6, HOWARD COUNTY, MARYLAND PARCEL 142  
TITLE FORMERLY SDP 96-147 **CARMAX** **THE AUTO SUPERSTORE** JAN 15 1997

AMENDED **LANDSCAPE PLAN**

Des By J.B.S. Scale 1" = 50' Proj No. LSP-97-49  
Dwn By J.B.S. & N.H.C. Date OCTOBER 1996 DRAWING NO.  
Chk By N.H.C. Approved SDP-96-147. 16 OF 18

MATCHLINE 'C' - C' SEE SHEET 15

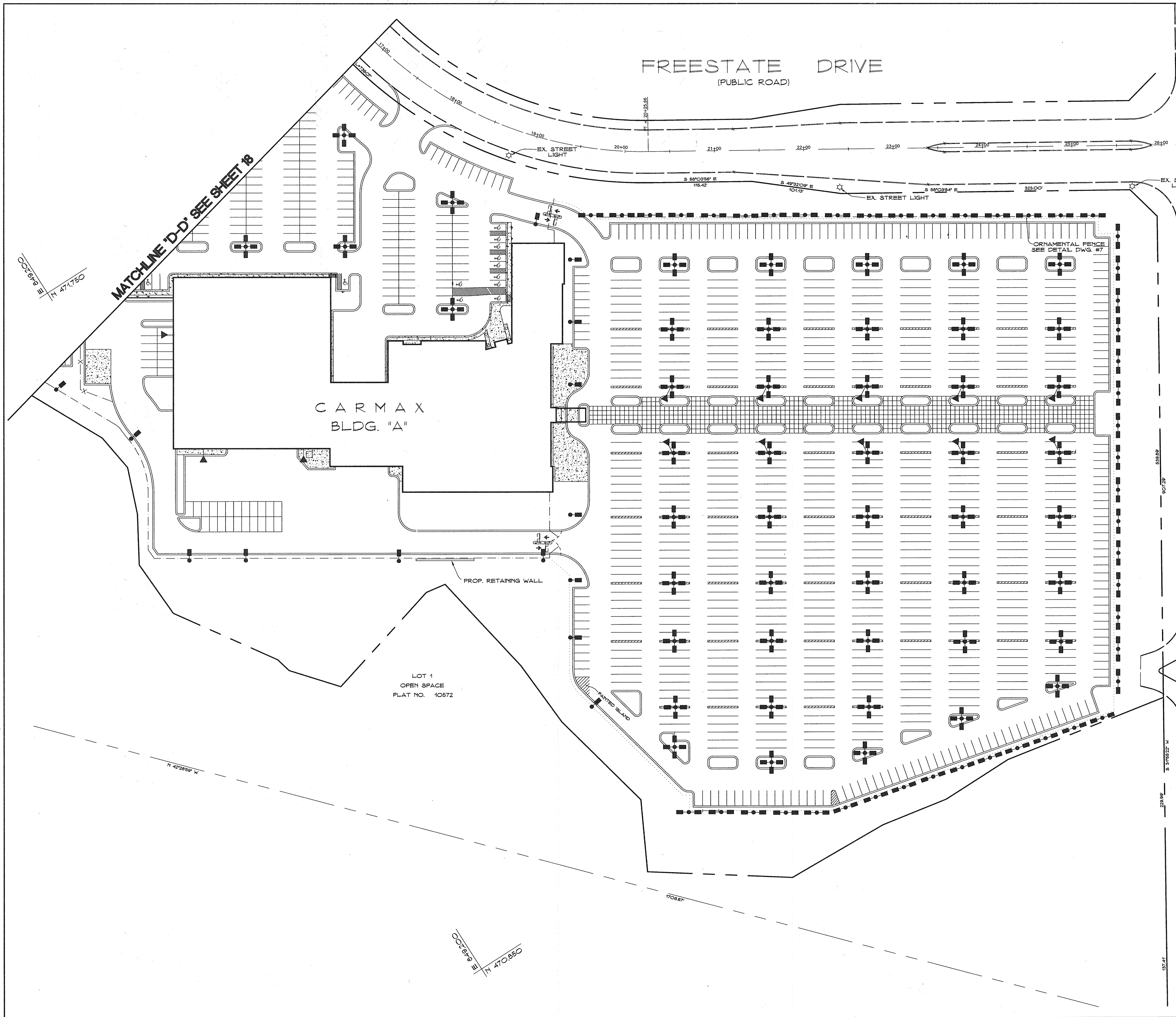
TOTAL	ADDT	REQ.	TREES			
81	42	39	RM	ACER RUBRUM	COMMON RED MAPLE	2 1/2-3" CAL., 12-14' HGT. B&B
88	55	33	HL	GLEDITSIA TRICANTHOS INERMIS	HONEYLOCUST	2 1/2-3" CAL., 12-14' HGT. B&B
29	7	22	PT	PLATANUS ACERIFOLIA	LONDON PLANETREE	2 1/2-3" CAL., 12-14' HGT. B&B
94	32	62	WP	PNUS SYRBIUS	WHITE PINE	6-8" HGT. B&B
20	-	20	NS	FICUS ABIES	NORWAY SPRUCE	6-8" HGT. B&B
			SHRUBS			
313	0	313	DWE	EUONYMUS ALATUS COMPACTA	DWARF WINGED EUONYMUS	24-30" HGT. (3'00" #5 CONT) FULL
374	0	274	INK	HEX GLABRA 'COMPACTA'	COMPACT INKBERRY	18-24" HGT. (3'00" #5 CONT) FULL

10-8-96  
DATE

JOHN B. SLATER  
LANDSCAPE ARCHITECT NO. 286



1001 11-00 81 21 001 bsm 11/01/010-80/80/3



BALTIMORE - WASHINGTON BOULEVARD  
 U.S. ROUTE 1  
 150' ULTIMATE R/W  
 (PUBLIC ROAD)

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT		
COUNTY HEALTH OFFICER	<i>Joyce M. Boyd MD</i>	1/23/97
DATE		
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
CHIEF, DEVELOPMENT ENGINEERING DIVISION	<i>Richard Blood</i>	1/24/97
DATE		
CHIEF, DIVISION OF LAND DEVELOPMENT	<i>Travis J. McLaughlin</i>	1/21/97
DATE		
DIRECTOR		

Date	No	Revision Description

OWNER: ACME COMMERCIAL CORPORATION  
 9650 MAYLAND DRIVE  
 RICHMOND, VIRGINIA 23233  
 ATTN: BENJAMIN B. CUMMINGS JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
 3343 PEACHTREE ROAD N.E., SUITE 1050  
 ATLANTA, GEORGIA 30326  
 ATTN: MICHAEL B. MCLOD (414) 238-0265

PHOENIX ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 813 MAIDEN CHOICE LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8833 FAX 247-9397

AREA	PLAT NO. 11889-11891	CENSUS TRACT No. 6069.02
	FREESTATE CARMAX	P/O PARCEL B
TAX MAP NO. 47	ELEC. DIST. No. 6 HOWARD COUNTY, MARYLAND	PARCEL 142
TITLE	<b>CARMAX</b>	
FORMERLY SDP-147	THE AUTO SUPERSTORE	
DATE	JAN 15 1997	
Des By	R.J.W.	Scale 1" = 50'
Proj No		LIGHT/DWG 96-010
Dim By	A.J.R.	Date DECEMBER 1996
DRWING NO		17 OF 18
Chk By	J.R.H.	Approved

1-15-97  
 DATE

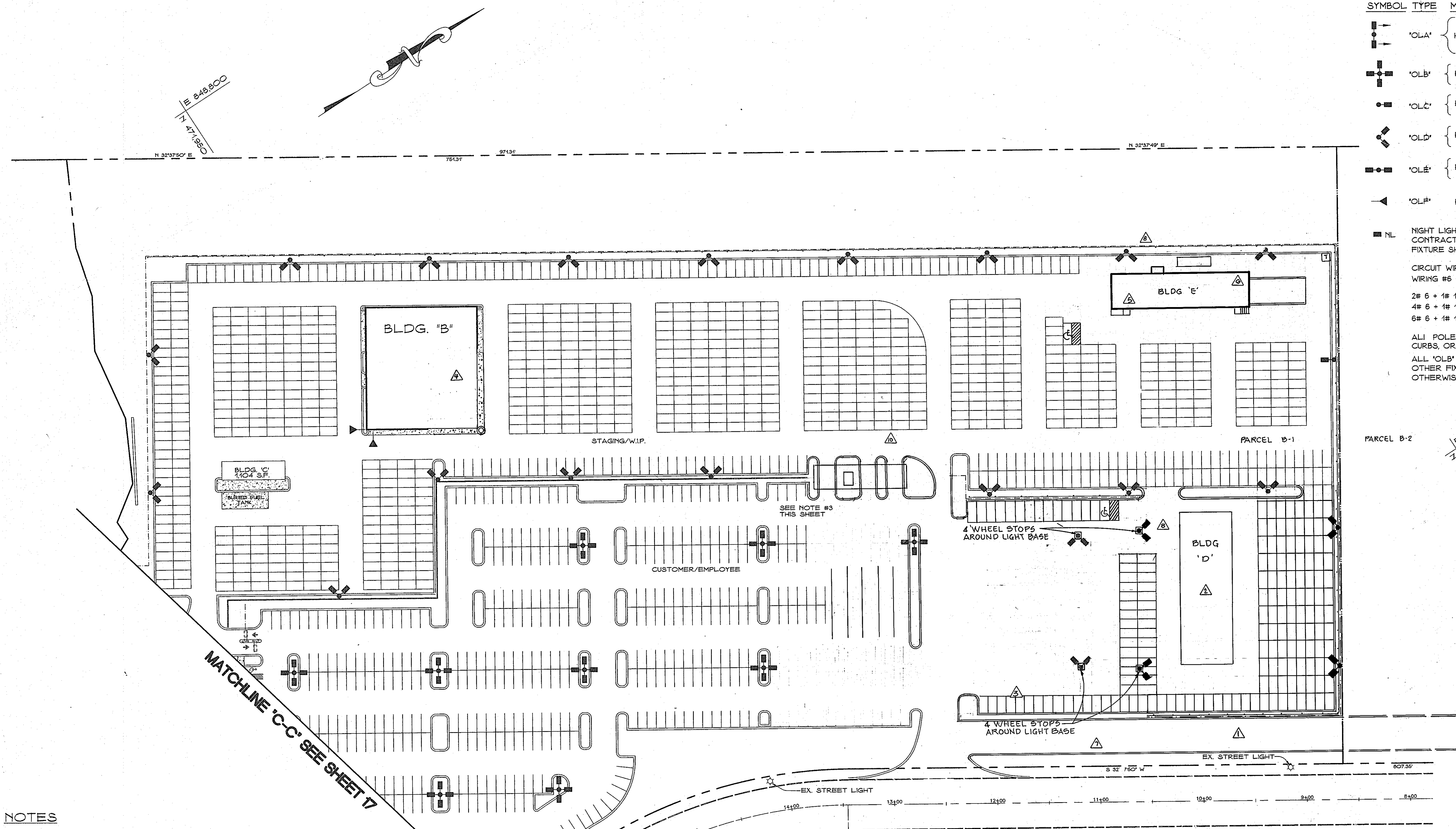
JOHN R. HEINRICHS  
 Professional Engr. No. 14920

SDP-97-49

1801 03 11 50 11 30 1801

### LEGEND

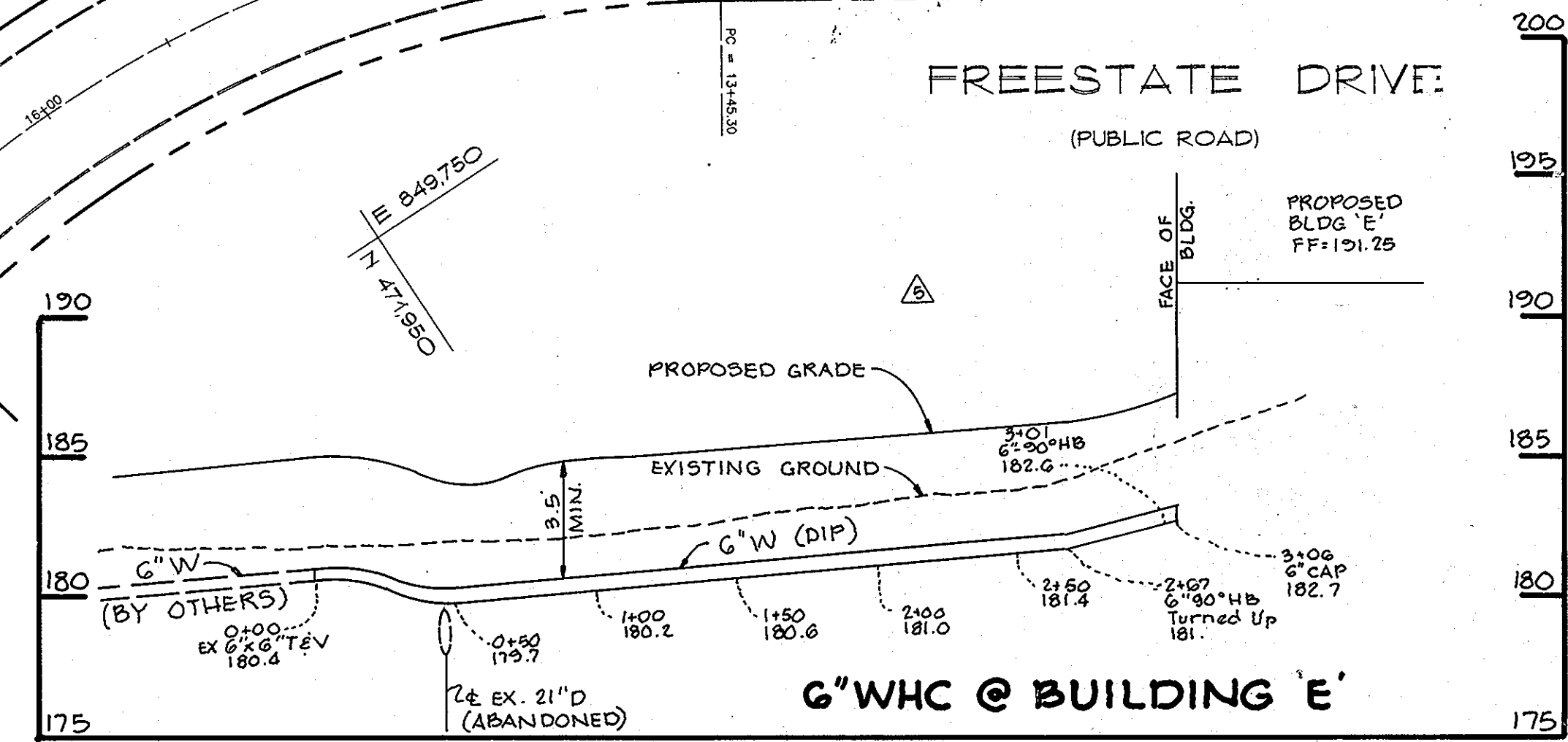
SYMBOL	TYPE	MANUFACTURER	MODEL
	'OLA'	HI-TEK	2-KSF3 1000MR4 480 SP12 FIELD ROTATABLE OPTICS @ 90° & 270°
	'OLB'	HI-TEK	4-KVS3 1000MR5 480 SP12
	'OLC'	HI-TEK	KSF31000MR3 480 SP12
	'OLD'	HI-TEK	2-KVS3 1000MR4 480 SPO9
	'OLE'	HI-TEK	2-KVS3 1000MR5 480 SP12
	'OLP'	HI-TEK	TF-1000MR3-480 TFSAB (FLOOD LIGHT) SEE LIGHTING FLOOR PLAN SHEETS FOR EXACT LOCATIONS AND CIRCUITING.
	'NL'		NIGHT LIGHT LUMINAIRE CIRCUITS HA-10,20,22,24,26,28,30,32,34. RUN THRU CONTRACTOR #4 & CONTROLLED BY TIME CLOCK ON PHOTO CELL OFF. FIXTURE SHALL BE ORDERED WITH PER AND PE4 PHOTOCCELL OPTIONS
CIRCUIT WIRING RUN BELOW GRADE IN PVC SCHEDULE 40 CONDUIT. ALL WIRING #6 + #10G. EXCEPT AS NOTED OTHERWISE.			
2# 6 + 1# 10G = 3/4"C.			
4# 6 + 1# 10G = 1"C.			
6# 6 + 1# 10G = 1-1/4"C.			
ALL POLES IN LANDSCAPED AREAS SHALL BE LOCATED 3'-0" FROM CURBS, OR CENTERED IN ISLANDS.			
ALL 'OLB' FIXTURES SHALL REFER TO POLE BASE DETAIL 'A', ALL OTHER FIXTURES SHALL REFER TO POLE BASE DETAIL 'B' UNLESS OTHERWISE NOTED.			



MATCHLINE 'C-C' SEE SHEET 7

### NOTES

- 1" PVC CONDUIT RUN TO BUILDING A. STUB-UP INTO POLE BASE AND PROVIDE PULL STRING. FUTURE CAMERA AND TELEPHONE PROVISIONS. LOCATION AS DETERMINED BY OWNER.
- TELEPHONE OUTLET REQUIRED AT POLE. MOUNT WP CAST OUTLET BOX, AT 60" ABOVE PAVEMENT, SURFACE MOUNTED ON POLE. RUN ONE (1) TELEPHONE CABLE FROM OUTLET BOX AS SHOWN TO ROOM #158 VIA 1" C.
- 1" E PVC CONDUIT TO BUILDING A. STUB-UP UNDER GATE CONTROLLER HOUSING. FOR GATE REMOTE CONTROL, INTERCOM AND GATE ALARM) SEE DETAIL THIS SHEET FOR STUB-UP LOCATIONS IN CONTROL HOUSING.
- CAST W.P. OUTLET BOX FOR Pylon/MONUMENT SIGN. MOUNT ON BASE OF SIGN. Pylon SIGN EQUIPPED WITH FACTORY INSTALLED DISCONNECT. FINAL CONNECTIONS BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- FURNISH AND INSTALL A DUPLEX RECEPTACLE, GFI TYPE IN A CAST BOX. MOUNT OUTLET IN CALIFORNIA DUSTER ENCLOSURE. CARMAX IS TO FURNISH ENCLOSURE FOR INSTALLATION BY THE GENERAL CONTRACTOR. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 1" PVC CONDUIT RUN TO BUILDING A. RUN UP POST BY GENERAL CONTRACTOR AND CONNECT TO TELEPHONE PROVIDED AND INSTALLED BY OWNER. CONTRACTOR TO PULL (1) TWISTED PAIR CABLE TO TELEPHONE LOCATION AND LEAVE 5'-0" SLACK IN ROOM #158
- FOR LIGHT POLE AND BASE DETAILS SEE SHEET 7.
- A UNIFORM LIGHTING SYSTEM WILL BE EMPLOYED THROUGHOUT THE SITE.
- CONSIDERATION WILL BE GIVEN TO THE IMPACT OF LIGHTING ON ADJOINING PROPERTIES. ITEMS FOR CONSIDERATION WILL INCLUDE INTENSITY, CUTOFF ANGLES, COLOR, ENERGY EFFICIENCY AND SHIELDING OF SOURCES OF LIGHT. THE INTENT BEING TO ELIMINATE GLARE TOWARDS ADJACENT STREETS AND PROPERTIES.
- PARKING LOT LIGHTING FIXTURES, INCLUDING BASES, SHALL NOT EXCEED THIRTY FIVE (35) FEET IN HEIGHT ABOVE GRADE LEVEL. PARKING LOT LIGHTING SHALL BE PRODUCED FROM CONCEALED SOURCES OF LIGHT (SUCH AS SHOEBOX TYPE) LIGHTING INSTALLED ON ANY ELEVATION OF A BUILDING SHALL BE PRODUCED FROM A SHIELDED 'WALL PACK' TYPE SOURCE. THE INTENT BEING TO INSURE THAT BUILDING LIGHTS WILL NOT SHINE ONTO ADJOINING RESIDENTIAL PROPERTIES.



**PROFILE**  
SCALE: H: 1" = 50"  
V: 1" = 5"

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5-25-02	6	ADDED ADDITION TO BUILDING 'B'
5-9-02	7	ADDED 108 W.I.P. SPACES @ BUILDING 'D'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*George M. Boyd MD* 1/23/97  
COUNTY HEALTH OFFICER

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Alan Cummings* 1/24/97  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Richard Blood* 1/24/97  
CHIEF, DIVISION OF LAND DEVELOPMENT

*David J. Taylor* 1/24/97  
DIRECTOR

Date	No.	Revision Description
11-10-01	1	ADDED BUILDING 'D'
05-07-01	1	ADDED 260 WIP SPACES, CARPORTS & LIGHTING

OWNER: ACME COMMERCIAL CORPORATION  
8850 MAYLAND DRIVE  
RICHMOND, VIRGINIA 23233  
ATTN: BENJAMIN B. CUMMINGS, JR.

DEVELOPER: INDUSTRIAL DEVELOPMENTS INTERNATIONAL  
3343 PEACHTREE ROAD N.E., SUITE 1050  
ATLANTA, GEORGIA 30326  
ATTN: MICHAEL B. MCLOAD (414) 238-0265

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BALTIMORE, MARYLAND 21229  
(410) 247-8833 FAX 247-9397

AREA: PLAT NO. 15791-95 CENSUS TRACT No. 6069.02  
FREESTATE CARMAX PARCEL 8-1 & 2  
TAX MAP NO. 47 ELEC. DIST. No. 6 HOWARD COUNTY, MARYLAND PARCEL 142  
TITLE: **CARMAX** JAN 15 1997  
THE AUTO SUPERSTORES  
AMENDED LIGHTING PLAN

Des By: R.J.W. Scale: 1" = 50' Proj No: LIGHT2.DWG  
Dm By: A.J.P. Date: DECEMBER 1996 96-010  
Chk By: J.R.H. Approved: 607-06-117 18 OF 18

Professional Engr. No. 14920