SITE DEVELOPMENT PLAN

LONG REACH VILLAGE CENTER EXPANSION

PARCELS B-1, D-1, E-1, & LOT 6

6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

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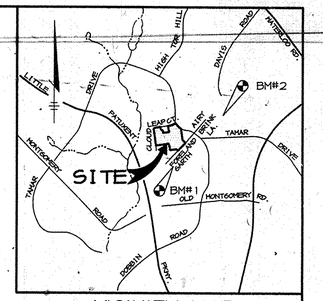
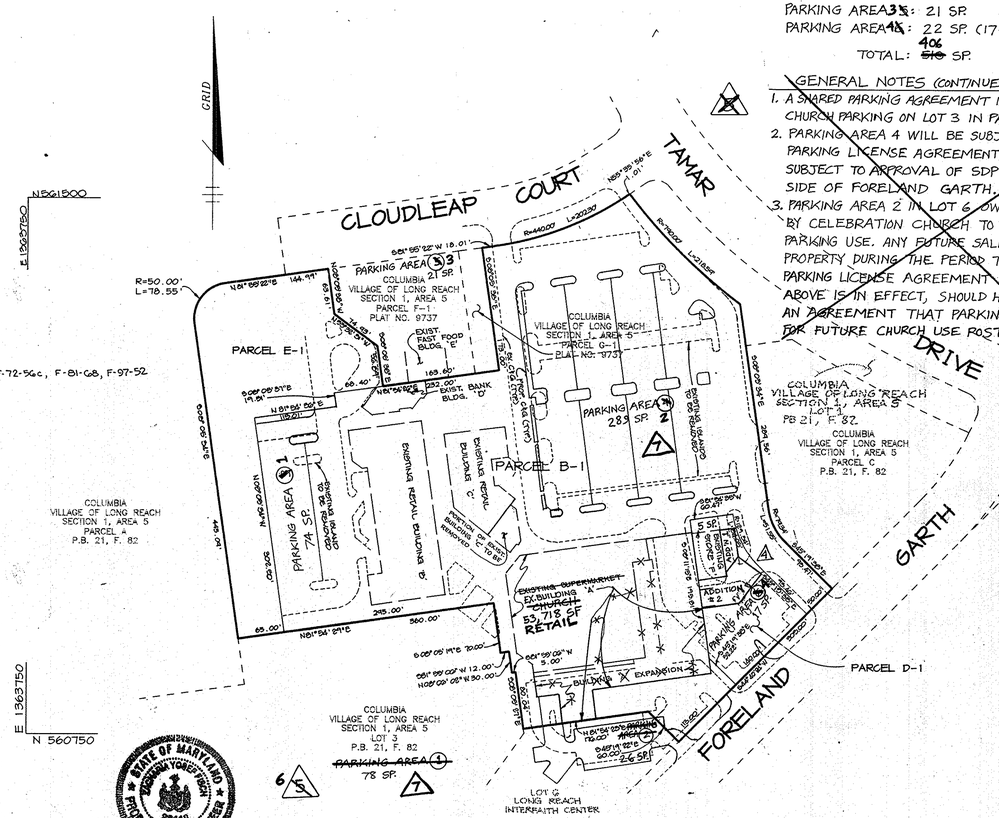


VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
4. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
5. ALL PLAN DIMENSIONS ARE TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE NOTED.
6. THE EXISTING TOPOGRAPHY IS BASED ON A FIELD SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY BEN DYER ASSOCIATES, INC. DATED NOVEMBER, 1992.
7. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 36F1 AND 36C6 WERE USED FOR THIS PROJECT.
8. WATER IS PUBLIC. CONTRACT NO. 432-D-W&S.
9. SEWER IS PUBLIC. SEWER DRAINAGE AREA: LITTLE PATUXENT WWTP CONTRACT NO. 432-D-W&S.
10. STORMWATER QUANTITY MANAGEMENT IS PROVIDED BY A PRIVATELY OWNED AND MAINTAINED DETENTION FACILITY.
11. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
12. A 100-YEAR FLOODPLAIN STUDY IS NOT REQUIRED FOR THIS PROJECT.
13. A TRAFFIC STUDY IS NOT REQUIRED FOR THIS PROJECT.
14. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
15. THERE IS NO GEOTECHNICAL STUDY FOR THIS PROJECT.
16. THE BOUNDARY INFORMATION FOR THIS PROJECT IS BASED ON A FIELD-RUN BOUNDARY SURVEY BY RIEMER MUEGGE & ASSOCIATES DATED MAY 30, 1996.
17. SUBJECT PROPERTY ZONED NT PER 10-18-93 COMPREHENSIVE ZONING PLAN.
18. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
19. SEE DEPARTMENT OF PLANNING AND ZONING FILE NO'S F-71-65C, SDP-72-98, FDP-106-A, F-91-97, F-91-96, F-72-54c, F-81-68, F-97-52
20. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
21. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
22. PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
23. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
24. ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4, VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
25. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
26. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
27. STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
28. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
29. ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T180.



PLAN
SCALE: 1"=100'

SITE ANALYSIS

AREA OF PARCELS:

B-1	7.58 ACRES
D-1	0.48 ACRES
E-1	1.40 ACRES
PRESENT ZONING	NT
EXISTING USE	RETAIL CENTER
PROPOSED USE	RETAIL CENTER

NOTE: THE FINAL DEVELOPMENT PLAN PHASE 106-A FOR THIS PROJECT MEASURES RETAIL PARKING ACCORDING TO NET LEASEABLE AREA (NLA). EQUATING NLA TO SELLING SPACE AND APPLYING FACTORS TYPICAL TO RETAIL SELLING SPACE COMPARED TO TOTAL SPACE THE PARKING REQUIRED IS AS SHOWN.)

	RETAIL ~~CHURCH~~	BUILDING COVERAGE	REQUIRED PARKING
BUILDING A	~~(SUPERMARKET)~~	53,718 SF	@ 80% x 5 SP/1000 SF = 215 SP
	~~ADDITION~~	~~20,644 SF~~	~~MAIN ASSEMBLY AREA = 30,000 SF~~
	~~TOTAL~~	~~24,304 SF~~	~~10 SPACES PER 1000 SF = 300 SP REQ'D.~~
		~~53,353 SF~~	~~@ 80% x 5 SP/1000 SF = 187 SP~~
BUILDINGS B, C, D (RETAIL)		34,365 SF	
REDUCTION		1,605 SF	
TOTAL		82,750 SF	@ 80% x 5 SP/1000 SF = 121 SP
BUILDING E (FAST FOOD SHARED COMPONENT)		1,989 SF	8 SP
BUILDING F (LIQUOR STORE)		~~3,470~~ 6,893 SF ~~2,470~~ SF	@ 80% x 5 SP/1000 SF = ~~10~~ 14 SP ~~7~~ 28
SECOND STORY OFFICE SPACE		15,000 SF	@ 1 SP/2 EMP x 1 EMP/200 SF = 38 SP
TOTALS		105,062 ~~110,350 SF~~ ~~105,562 SF~~ 106,562 SF ~~104,485 SF~~	~~420~~ * SEE SHARED PARKING TABULATION THIS SHEET. ~~374 SP~~ ~~365~~ SPACES ~~378 SP~~ ~~342 SP.~~

~~PARKING PROVIDED~~

~~APPROVED PLANNING BOARD OF HOWARD COUNTY DATE 16 January '97~~

~~380 SP + 26 SPACES ON LOT 6 = 406 SP.~~ ~~378~~ ~~404~~

BENCHMARKS

BM#1
MONUMENT NO. 36F1
N 560280.05 E 1364892.07
ELEV. 426.03

BM#2:
MONUMENT NO. 36CG
N 561734.88 E 1365025.40
ELEV. 427.42

[7] P.S. DEDUCTED FROM PARCEL D-1 FOR ADDITION TO STORE 'F'

PARKING PROVIDED

~~PARKING AREA 1 (OFF SITE ON LOT 3): 78 SP.~~
~~PARKING AREA 2: 26 SP.~~
PARKING AREA 1: 74 SP.
PARKING AREA 2: 289 SP.
PARKING AREA 3: 21 SP.
PARKING AREA 4: 22 SP. (17+5)
TOTAL: ~~510~~ 406 SP.

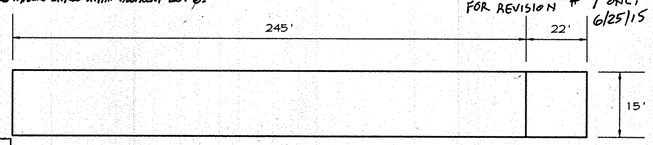
GENERAL NOTES (CONTINUED)

1. A SHARED PARKING AGREEMENT IS IN PLACE TO ALLOW CHURCH PARKING ON LOT 3 IN PARKING AREA 1.
2. PARKING AREA 4 WILL BE SUBJECT TO A TEMPORARY PARKING LICENSE AGREEMENT. PERMANENT PARKING SUBJECT TO APPROVAL OF SDP-15-021 ON THE EAST SIDE OF FORELAND GARTH.
3. PARKING AREA 2 IN LOT 6 OWNED BY CELEBRATION CHURCH TO ALLOW SHARED PARKING USE. ANY FUTURE SALE OF THE PROPERTY DURING THE PERIOD THE TEMPORARY PARKING LICENSE AGREEMENT REFERENCED IN NOTE 2 ABOVE IS IN EFFECT, SHOULD HAVE PROVISIONS FOR AN AGREEMENT THAT PARKING IS TO BE SHARED FOR FUTURE CHURCH USE POST SALE.

* SHARED PARKING TABULATION

PARKING REQUIR. BEFORE ADJUSTMENT	WEEKDAY				WEEKEND		NIGHTTIME
	MORNING 6AM-8AM	MID-DAY 8AM-3PM	AFTERNOON 3PM-5PM	EVENING 5PM-MID	DAYTIME 6AM-6PM	EVENING 6PM-MID	MID-6AM
OFFICE/INDUSTRIAL 38 SPACES	80% 31 SPACES	100% 38 SPACES	100% 38 SPACES	10% 4 SPACES	10% 4 SPACES	5% 2 SPACES	5% 2 SPACES
RETAIL 374 SPACES	20% 75 SPACES	60% 225 SPACES	60% 225 SPACES	90% 337 SPACES	100% 374 SPACES	70% 262 SPACES	5% 19 SPACES
FAST FOOD	8 SPACES						
TOTAL:	114 SPACES	271 SPACES	271 SPACES	349 SPACES	386 SPACES	272 SPACES	29 SPACES

NOTE: TOTAL PARKING PROVIDED EXCLUDES EXISTING 28 PARKING SPACES WITHIN ADJACENT LOT 6.



~~SAFEWAY~~ SOUTH ELEVATION
BUILDING 'A' NO SCALE

DATE	NO.	REVISION
6-8-15	7	REVISE CHURCH USE TO RETAIL AND ADJUST PARKING TABULATION. -FSH
02/23/11	6	ADDITION OF 5 PARKING SPACES TO LOT 6

FOR REVISION # 5 ONLY 10/21/14
FOR REVISION # 7 ONLY 6/25/15

OPERATION AND MAINTENANCE SCHEDULE FOR STORMCEPTOR WATER QUALITY DEVICE

1. Stormceptor water quality structures will require periodic inspection and cleaning to maintain operation and function. Owners will have the Stormceptor unit inspected yearly 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.
2. Stormceptor water quality structures must will be checked and cleaned immediately after petroleum spills, contact appropriate regulatory agencies.
3. Maintenance 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 proper cleaning and disposal of the removed materials and liquid must be followed.
4. Inlet and outlet pipes must be checked for any obstructions and if any obstructions are found they must be removed. Structural parts of the Stormceptor will be repaired as needed.
5. Owner shall retain and make Stormceptor Inspection/Monitoring Forms available to Howard County officials upon their request.

OPERATION AND MAINTENANCE SCHEDULE OF PRIVATELY OWNED AND MAINTAINED STORMWATER MANAGEMENT FACILITY DETENTION POND

ROUTINE MAINTENANCE

1. Facility shall be inspected annually and after major storms. Inspections should be performed during wet weather to determine if the pond is functioning properly.
2. Top and side slopes of the embankment shall be mowed a minimum of two (2) times a year, once in June and once in September. Other side slopes, the bottom of the pond, and maintenance access should be mowed as needed.
3. Debris and litter next to the outlet structure shall be removed during regular mowing operations and as needed.
4. Visible signs of erosion in the pond as well as riprap outlet area shall be repaired as soon as it is noticed.

NON-ROUTINE MAINTENANCE

1. Structural components of the pond such as the dam, the riser, and the pipes shall be repaired upon the detection of any damage. The components should be inspected during routine maintenance operations.
2. Sediment should be removed when its accumulation significantly reduces the design storage, interfere with the function of the riser, when deemed necessary for aesthetic reasons, or when deemed necessary by the Howard County's Department of Public Works.

~~APPROVED PLANNING BOARD OF HOWARD COUNTY DATE 16 January '97~~

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — DATE 4/4/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION MK — DATE 3/3/97
~~CHIEF~~ DIVISION OF LAND DEVELOPMENT — DATE 4/4/97

DATE	NO.	REVISION	BY
9-24-14	5	REVISE SUPERMARKET USE TO CHURCH & UPDATE PARKING	FSH
12-14-05	4	ADDITION TO STORE 'F'	KCE
12-30-98	3	ADDITION TO STORE 'F'	

OWNER / DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
THE ROUSE BUILDING
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

PROJECT
LONG REACH VILLAGE CENTER EXPANSION

AREA — TAX MAP 36 BLOCK 12, 6th ELECTION DISTRICT, ZONED NT, VILLAGE OF LONG REACH, S/I A/S, PARCELS B-1, D-1, E-1 & LOT 6, HOWARD COUNTY, MARYLAND

TITLE
TITLE SHEET

ADDRESS CHART

PARCEL	STREET ADDRESS
B-1	8715 CLOUDLEAP COURT
D-1	6030 FORELAND GARTH
E-1	8795 CLOUDLEAP COURT

SUBDIVISION NAME	SECT./AREA	PARCELS
VILLAGE OF LONG REACH	1/5	B-1, D-1, E-1

PLAT #	BLOCK #	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
12409	12	NT	36	6th	6066.02

WATER CODE — SEWER CODE —

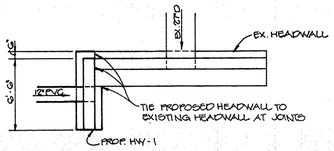
RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

1-29-97
DATE

JAYKANT D. PAREKH #19148

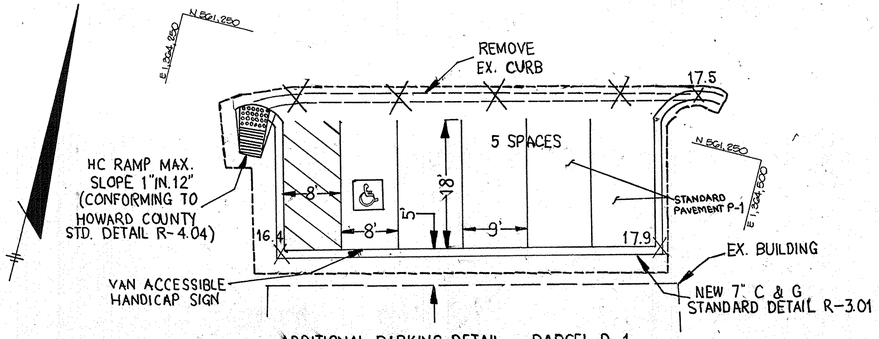
DESIGNED BY : CJR
DRAWN BY : RPP
PROJECT NO : 96E5100 SDP11, DNS
DATE : JANUARY 29, 1997
SCALE : AS SHOWN
DRAWING NO. 1 OF 8

SDP-97-18

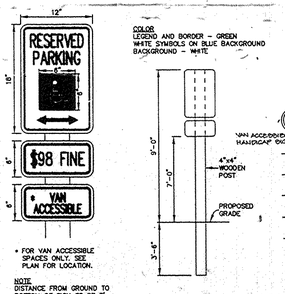


NOTE: PROPOSED HEADWALL TO BE CONSTRUCTED IN ACCORDANCE WITH HO. CO. STD. DETAIL 80 E.21.

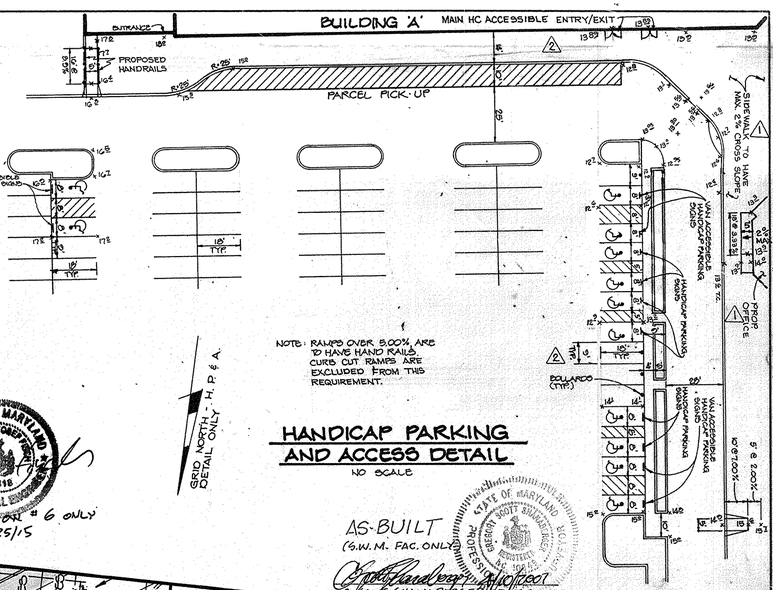
HEADWALL DETAIL
NO SCALE



ADDITIONAL PARKING DETAIL – PARCEL D-1
SCALE – 1"= 10'

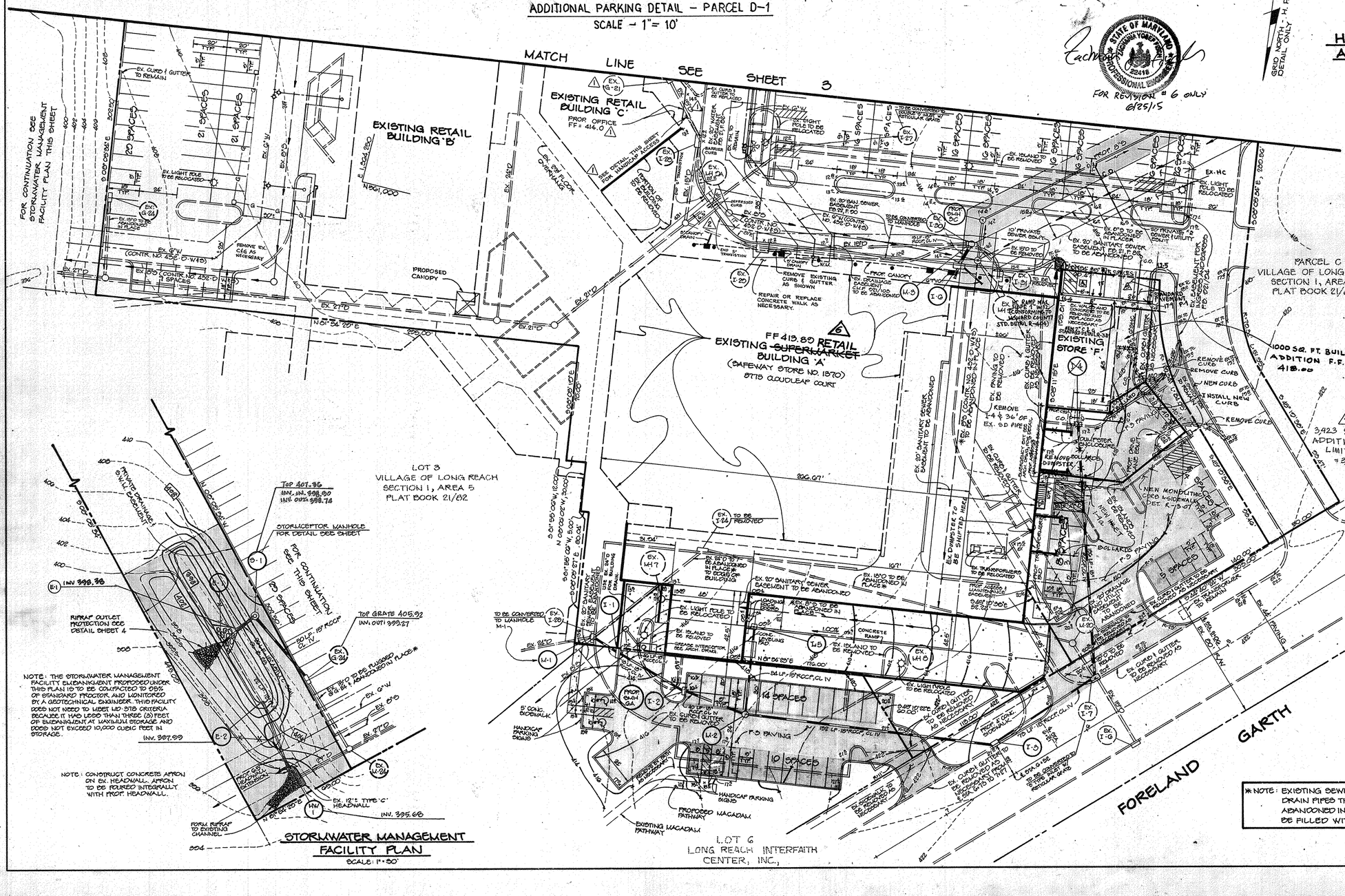


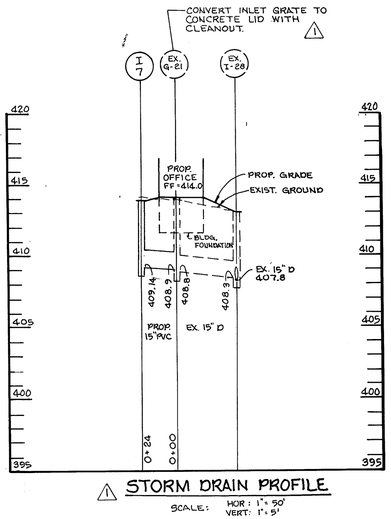
HANDICAP SIGN DETAIL
NO SCALE



NOTE: RAMPS OVER 5.00% ARE TO HAVE HAND RAILS. CURB CUT RAMPS ARE EXCLUDED FROM THIS REQUIREMENT.

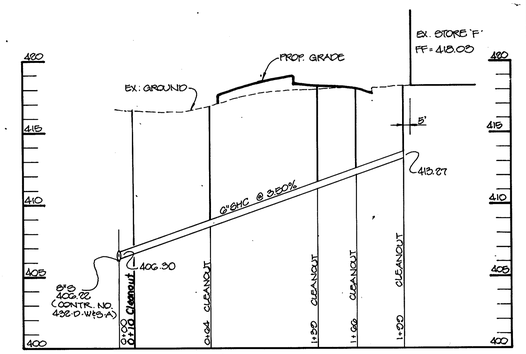
HANDICAP PARKING AND ACCESS DETAIL
NO SCALE


MATCH LINE SEE SHEET 3
EXISTING RETAIL BUILDING 'B'
EXISTING RETAIL BUILDING 'C'
PROP. OFFICE FF = 414.0
EXISTING RETAIL BUILDING 'F'
1000 SQ. FT. BUILDING ADDITION F.F. ELEV. 418.00
3,923 S.F. BUILDING ADDITION, F.F.E.=418.80 LIMIT OF DISTURBANCE = 8,980 SF.
FF 413.80 EXISTING SUPERMARKET BUILDING 'A' (SAFEWAY STORE NO. 1870) 8775 CLOUDLEAF COURT
PROPOSED CANOPY
REMOVE EX. C&G AS NECESSARY
REPAIR OR REPLACE CONCRETE WALK AS NECESSARY.
EX. 8"W (CONTR. NO. 43E-D-W&S)
EX. 21"D
EX. 24"D
EX. 6"W
EX. 8"D
EX. 12"D
EX. 10"W
EX. 15"D
EX. 18"CCP
EX. 30"D
EX. 36"D
EX. 42"D
EX. 48"D
EX. 60"D
EX. 72"D
EX. 84"D
EX. 90"D
EX. 96"D
EX. 108"D
EX. 24"CMP
EX. 30"CMP
EX. 36"CMP
EX. 42"CMP
EX. 48"CMP
EX. 54"CMP
EX. 60"CMP
EX. 66"CMP
EX. 72"CMP
EX. 78"CMP
EX. 84"CMP
EX. 90"CMP
EX. 96"CMP
EX. 108"CMP
EX. 120"CMP
EX. 132"CMP
EX. 144"CMP
EX. 156"CMP
EX. 168"CMP
EX. 180"CMP
EX. 192"CMP
EX. 204"CMP
EX. 216"CMP
EX. 228"CMP
EX. 240"CMP
EX. 252"CMP
EX. 264"CMP
EX. 276"CMP
EX. 288"CMP
EX. 300"CMP
EX. 312"CMP
EX. 324"CMP
EX.



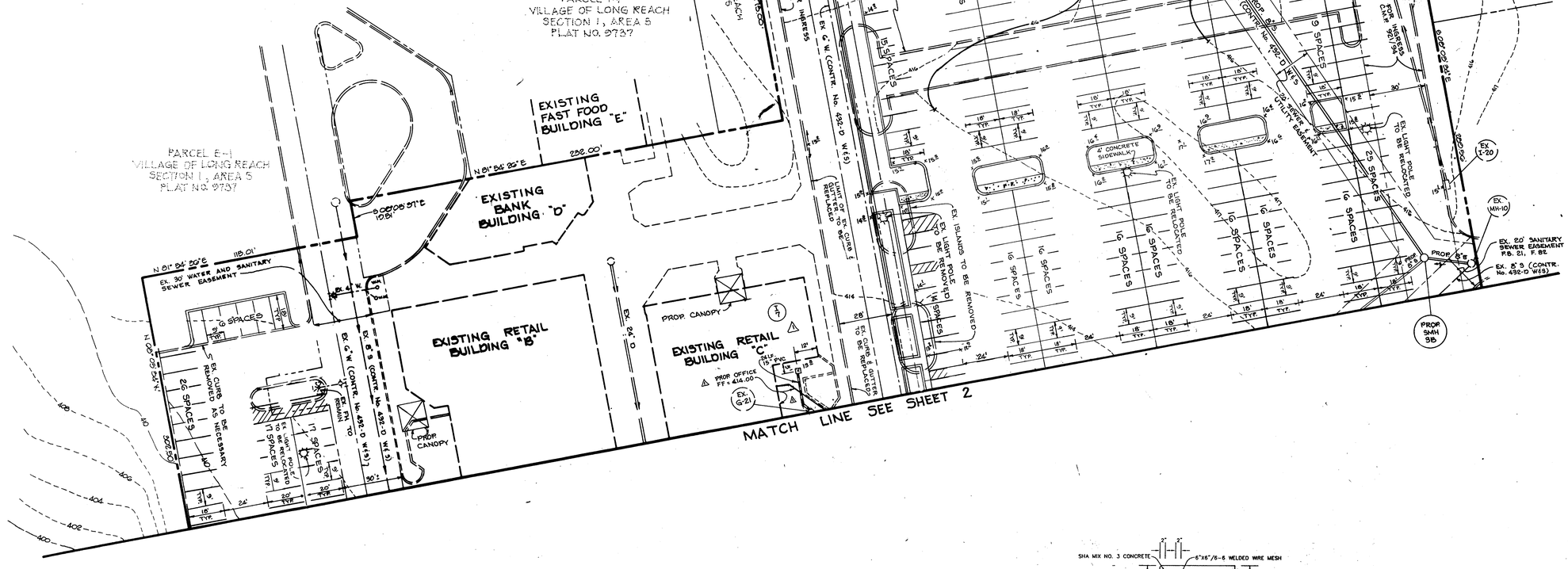
⚠ STORM DRAIN PROFILE

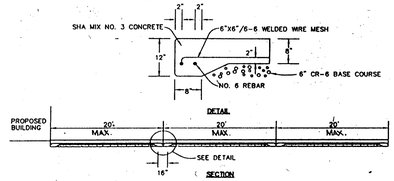
SCALE: HOR: 1"=50' VERT: 1"=5'



SEWER PROFILE

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





1. SAW JOINTS AT 15' SPACING IN BOTH DIRECTIONS WITH DEPTH AT JOINT EQUAL TO 1/4 DEPTH OF SLAB.
2. CONSTRUCTION JOINTS AS NEEDED, USING 3/4" DIA. SMOOTH DOWELS COATED TO PREVENT BOND @ 12" O/C (MAX) WITH SMOOTH CUT EDGE. DOWEL EXTENDS 8" INTO CONCRETE ON EACH SIDE OF JOINT.
3. CONTRACTOR TO USE ANTI-SPALLING COMPOUND.

CONCRETE SECTION FOR TRUCK LOADING AREA

NO SCALE

APPROVED
HOWARD COUNTY
DEPARTMENT OF PLANNING AND ZONING
DATE 16 January '97

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Lawrence Lichter 4/4/97
DIRECTOR DATE

[illegible] 3/12/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION MK DATE

Cindy Hamilton 4/4/97
~~CHIEF~~, DIVISION OF LAND DEVELOPMENT JH DATE

DATE	NO.	REVISION
11-13-97	⚠	ADDED PROP OFFICE AREA; EXIST. & PROP SD INLETS & PIPE; PROP 8" S. & PROP SD PROFILE.

OWNER/DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
THE ROUSE BUILDING
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

PROJECT:
LONG REACH VILLAGE CENTER EXPANSION

AREA: TAX MAP 36 PARCEL B-1, D-1, E-1 & LOT G
VILLAGE OF LONG REACH, 5/1 A/5
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE:
SITE DEVELOPMENT PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

1.29.97

STATE OF MARYLAND JAYKANT D. PAREKH NO. 10146 REGISTERED PROFESSIONAL ENGINEER

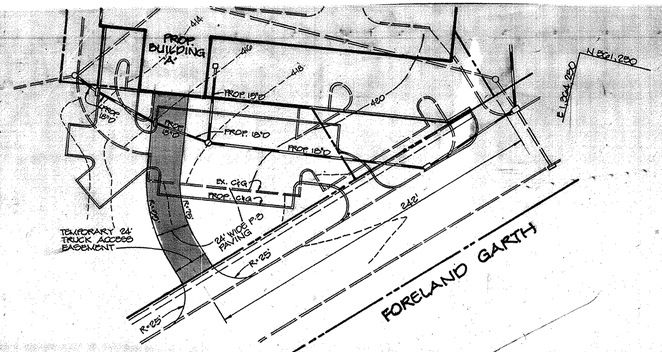
J. Parekh

JAYKANT D. PAREKH #10146

DESIGNED BY:	CJR
DRAWN BY:	MAD/RJC
PROJECT NO:	96E5100
DATE:	JANUARY 29, 1997
SCALE:	1" = 30'
DRAWING NO.	3 OF 8

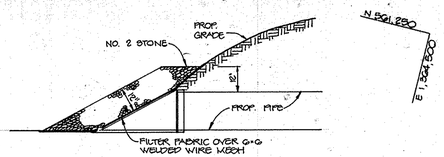
SDP 97-18

MARYLAND BLUEPRINT CO., INC. 112700



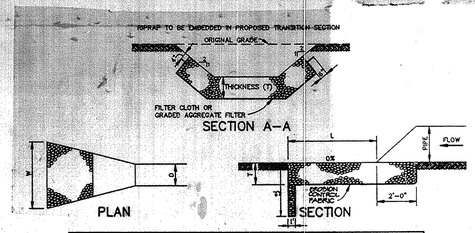
TEMPORARY TRUCK ACCESS PLAN

SCALE: 1"=50'



END SECTION BLOCKING FOR E-2

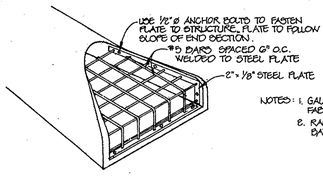
NO SCALE



STRUCTURE	MEDIUM STONE DIA.	LENGTH (L)	WIDTH (W)	THICKNESS (T)
E-1	0.5'	10'	14'	15"
HW-1	2.5'	25'	10'	15"

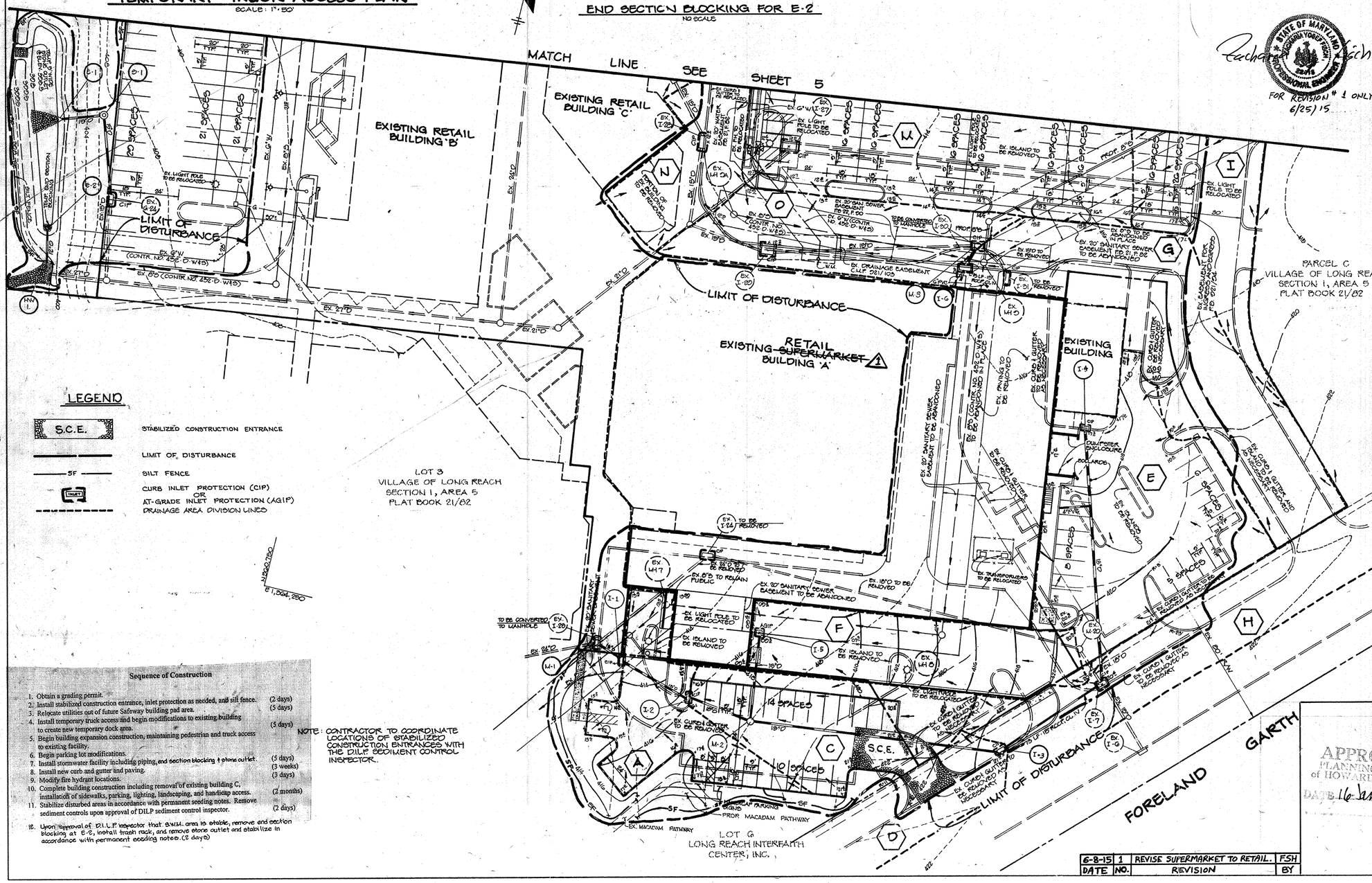
RIPRAP OUTLET PROTECTION

NO SCALE



TRASH RACK FOR E-2

NO SCALE



LEGEND

- S.C.E. — STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- CURB INLET PROTECTION (CIP) OR AT-GRADE INLET PROTECTION (AGIP)
- DRAINAGE AREA DIVISION LINES

Sequence of Construction

1. Obtain a grading permit. (2 days)
2. Install stabilized construction entrance, inlet protection as needed, and silt fence. (5 days)
3. Relocate utilities out of future Safeway building pad area. (5 days)
4. Install temporary truck access and begin modifications to existing building to create new temporary dock area. (5 days)
5. Begin building expansion construction, maintaining pedestrian and truck access to existing facility.
6. Begin parking lot modifications.
7. Install stormwater facility including piping, end section blocking & stone outlet. (5 days)
8. Install new curb and gutter and paving. (3 weeks)
9. Modify fire hydrant locations. (3 days)
10. Complete building construction including removal of existing building C, installation of sidewalks, parking, lighting, landscaping, and handicap access. (2 months)
11. Stabilize disturbed areas in accordance with permanent seeding notes. Remove sediment controls upon approval of DILP sediment control inspector. (2 days)
18. Upon approval of D.I.L.P. inspector that S.W.M. area is stable, remove end section blocking at E-2, install trash rack, and remove stone outlet and stabilize in accordance with permanent seeding notes. (5 days)

NOTE: CONTRACTOR TO COORDINATE LOCATIONS OF STABILIZED CONSTRUCTION ENTRANCES WITH THE D.I.L.P. SEDIMENT CONTROL INSPECTOR.

DATE	NO.	REVISION	BY
6-8-15	1	REVISE SUPERMARKET TO RETAIL.	FSH

Rachael Fisch
STATE OF MARYLAND — RACHAEL YOSEF FISCH — 22975 — PROFESSIONAL ENGINEER
FOR REVISION # 1 ONLY
6/25/15

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 16 January 97

BY THE DEVELOPER :

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 DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER — DATE 1/29/97

BY THE ENGINEER :

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

J. Parekh — 1.29.'97
ENGINEER — DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Cheryl Simmons for LGS — 2/20/97
NATURAL RESOURCES CONSERVATION SERVICE — DATE

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

HOWARD SOIL CONSERVATION DISTRICT — DATE 2/20/97

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — DATE 4/4/97

CHIEF, DEVELOPMENT ENGINEERING DIVISION MK — DATE 3/7/97

~~CHIEF~~, DIVISION OF LAND DEVELOPMENT JA — DATE 4/4/97

DATE	NO.	REVISION

OWNER / DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
THE ROUSE BUILDING
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

PROJECT

LONG REACH VILLAGE CENTER EXPANSION

AREA TAX MAP 39 — PARCELS B-1, D-1, E-1 & LOT G
VILLAGE OF LONG REACH, 6/1 A/B
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE

SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

1.29.97
STATE OF MARYLAND — JAYKANT D. PAREKH — NO. 19148 — REGISTERED PROFESSIONAL ENGINEER
J. Parekh
JAYKANT D. PAREKH #19148

DESIGNED BY :	CJR
DRAWN BY:	MAD
PROJECT NO :	505.9100
DATE :	JANUARY 29, 1997
SCALE :	1"=80'
DRAWING NO.	4 OF 8

SDP-97-18

DRAINAGE AREA CHART

D.A.	AREA (AC.)	%IMPERVIOUS	'C' FACTOR
A I-1	0.14	50	0.81
C I-2	0.20	70	0.68
D I-3	0.17	71	0.68
E I-4	0.26	76	0.73
F I-5	0.20	100	0.87
G I-6	0.35	80	0.74
H EX I-7	0.62	82	0.76
I EX I-20	0.25	65	
J EX I-21	0.65	51	
K EX I-22	0.10	30	
L EX I-23	0.60	85	
M EX I-27	0.55	52	
N EX I-28	0.24	100	
O EX I-29	0.19	100	

Concrete Stormceptor® Order Request Form *

Contractor Information

Name
Address
City
State
Zip Code
Contact
Phone
Fax

Office Use Only
Order #
Date
Internal Sale

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.

Owner Information

Name HOWARD RESEARCH I DEVEL. CORP.
Phone (410) 992-6000
Fax

Stormceptor® Model			
900	☐	3600	☐
1200	☐	4800	☐
1800	☒	6000	☐
2400	☐	7200	☐

Insert Size	
22"	☒
32"	☐
44"	☐
Custom	___

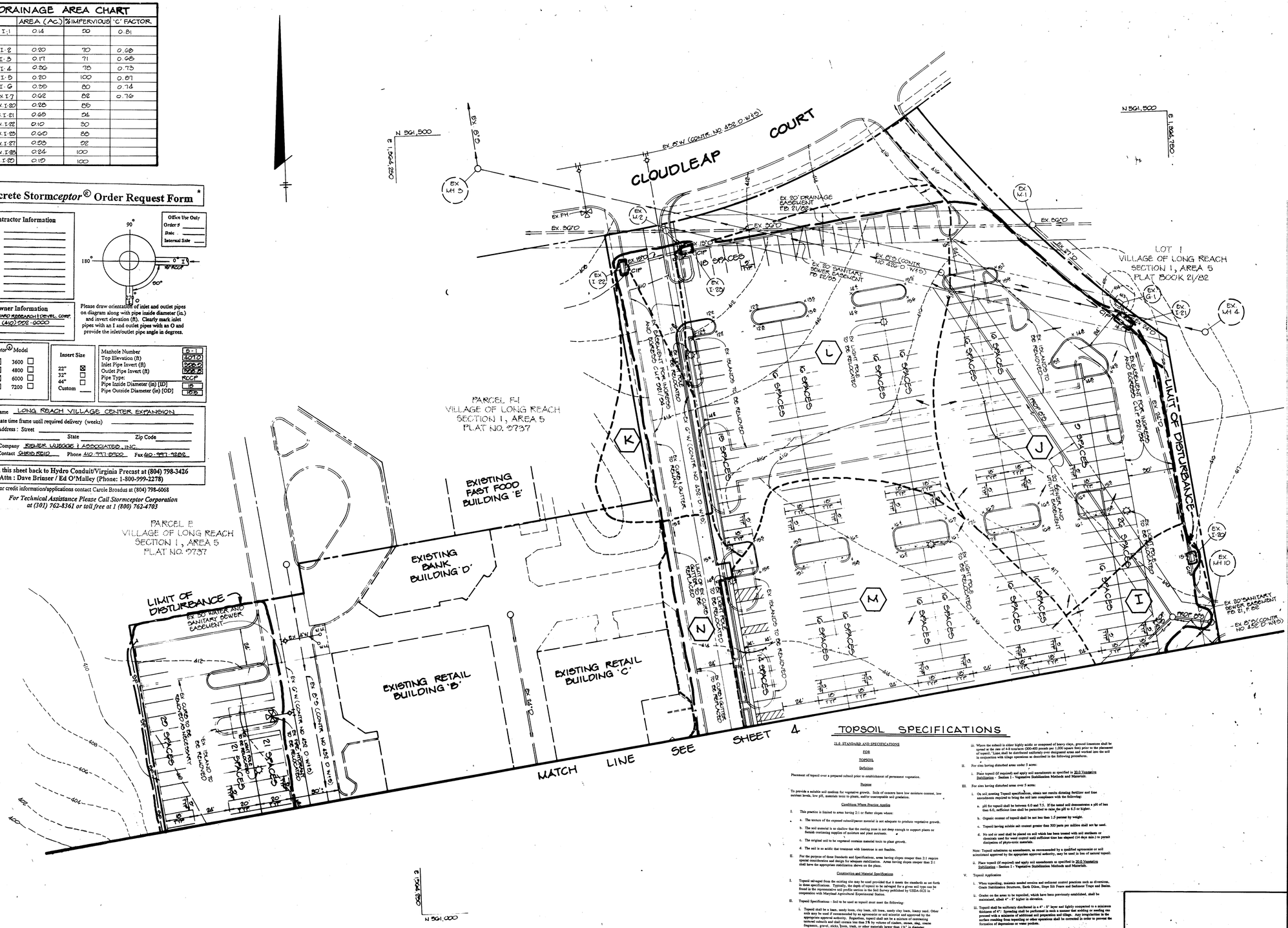
Manhole Number	S-1
Top Elevation (ft)	407.00
Inlet Pipe Invert (ft)	402.50
Outlet Pipe Invert (ft)	402.25
Pipe Type:	RCCP
Pipe Inside Diameter (in) (ID)	18
Pipe Outside Diameter (in) (OD)	19.6

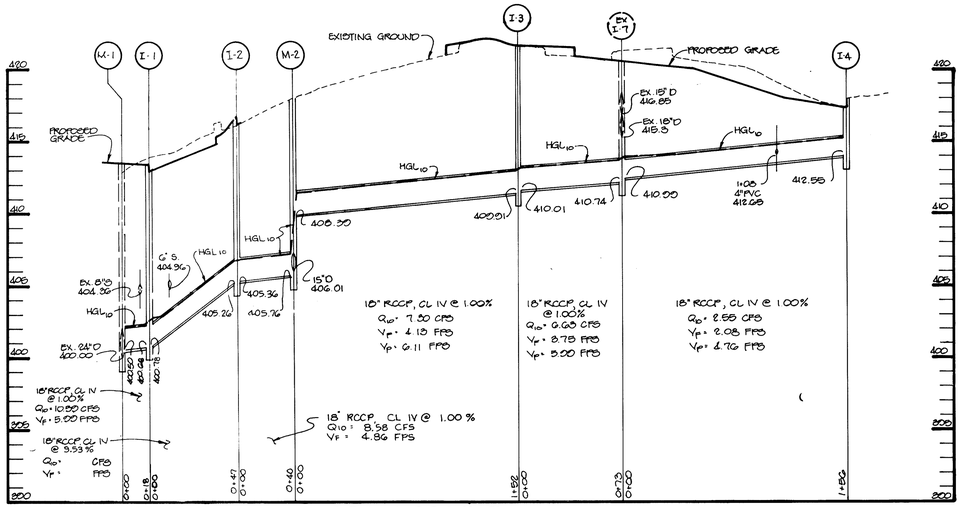
Project Name LONG REACH VILLAGE CENTER EXPANSION
Approximate time frame until required delivery (weeks)
Delivery Address : Street
City State Zip Code
Designer Company RIEMER MUEGGE & ASSOCIATES, INC.
Designer Contact CHRIS KEHR Phone 410-997-8900 Fax 410-997-9282

Please fax this sheet back to Hydro Conduit/Virginia Precast at (804) 798-3426
Attn : Dave Brinser / Ed O'Malley (Phone: 1-800-999-2278)

For credit information/applications contact Carole Broadus at (804) 798-6068

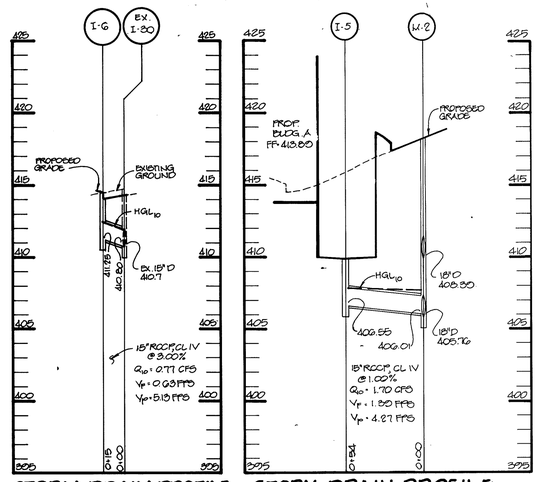
For Technical Assistance Please Call Stormceptor Corporation at (301) 762-8361 or toll free at 1 (800) 762-4703


N 561,500
E 1,364,250
EX. 8"D
EX MH 3
EX 8"W (CONTR. NO 452 D W-15)
CLOUDLEAP COURT
EX. 12"D
EX MH 2
EX. 8"D
EX FH
EX. 8"D
EX MH 1
EX. 8"D
EX 20' DRAINAGE EASEMENT F.P. 21/82
EX 8"D
EX 8"D
EX 12"D
EX I-22
EX I-23
NO SPACES
EX 20' SANITARY SEWER & EASEMENT F.P. 20/100
EX 8"D (CONTR. NO 452 D W-15)
LOT 1
VILLAGE OF LONG REACH
SECTION 1, AREA 5
PLAT BOOK 21/82
EX G-1
EX MH 12
EX MH 4
EX MH 10
EX I-20
EX 8"D
EX 8"D
EX 8"D



STORM DRAIN PROFILE

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



STORM DRAIN PROFILE

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

STORM DRAIN PROFILE

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

STRUCTURE SCHEDULE

STRUCTURE	TYPE	INVERT IN	INVERT OUT	TOP OF CURB/ GRATE/RIM	MO.CO STD DETAIL
I-1	'S' COMB.	400.76	400.66	413.9	SD 4.32
I-2	A-5	405.36	405.26	416.7	SD 4.01
I-3	A-5	410.01	409.91	421.6	SD 4.01
I-4	S	–	412.55	420.4	SD 4.22
I-5	A-5	–	406.65	409.3	SD 4.01
I-6	A-5	–	411.28	414.6	SD 4.01
W-1	4' MH	400.80	400.00	413.5	G 5.01
W-2	4' MH	(18") 408.80 (18") 406.01	408.76	418.0	G 5.01
E-1	15" CONC. END SECTION	–	398.66 38	–	SD 5.51
E-2	APP. N-12 POLYETHYLENE FLARED END SECTION FOR 12"ø	398.79	–	–	–
S-1	STORM CEPTOR	398.79	398.674	407.83	–
HW-1	TYPE 'C' HEADWALL	–	398.66	–	SD 5.21

SEDIMENT CONTROL NOTES

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL, AND REVISIONS THERETO.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A)7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL FOR PERMANENT SEEDINGS (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION ANC ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:

TOTAL AREA OF SITE	9.46 ACRES
AREA DISTURBED	3.70 ACRES
AREA TO BE ROOFED OR PAVED	1.80 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.80 ACRES
TOTAL CUT	1650 CU.YDS.
TOTAL FILL	1000 CU.YDS.

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
10. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
11. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.
12. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY AFFECT THE WORK.
13. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 AC., APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
14. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation - Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments - Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).

Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation - Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments - In lieu of soil test recommendations, use one of the following schedules :

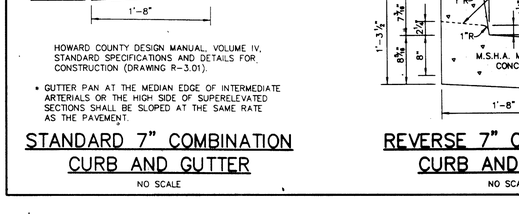
1) Preferred – Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureoform fertilizer (9 lbs. per 1000 sq.ft.).
2) Acceptable – Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fesque per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options :

1) 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
2) Use sod.
3) Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

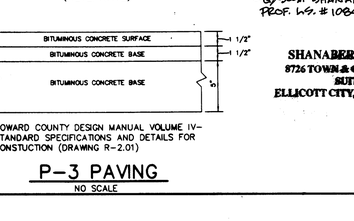
Mulching - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.



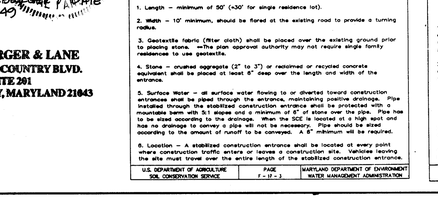
SEWER PROFILE

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



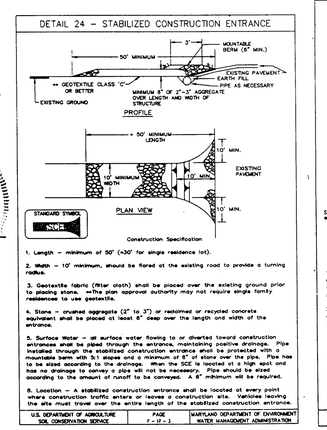
STORM DRAIN PROFILE

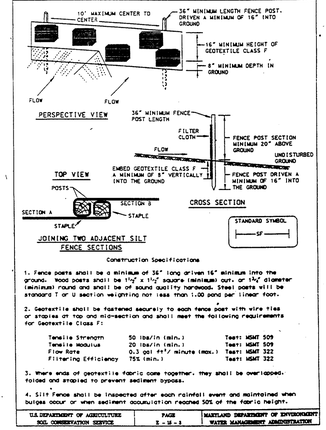
SCALE: HOR.: 1"=50'
VERT.: 1"=5'



PROFILE THRU PRINCIPLE SPILLWAY

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





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

- GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

STANDARD 7" COMBINATION CURB AND GUTTER

NO SCALE

REVERSE 7" COMBINATION CURB AND GUTTER

NO SCALE

NOTES :
PROVIDE LATITUDINAL EXPANSION JOINTS AT 15' O.C. (MAX.)
PROVIDE CONTRACTION (DUMMY) JOINT AT 5' O.C. INTERVALS BETWEEN EXPANSION JOINTS. SIDEWALK TO BE SCORED IN 5' MAX SQUARES.

SIDEWALK DETAIL

NO SCALE

(ALTERNATE)

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

P-1 PAVING

NO SCALE

(ALTERNATE)

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

P-3 PAVING

NO SCALE

AS-BUILT
(S.W.M. FAC. NO. 10649)
GREGOR SHANABERGER
PROF. REG. # 10649
DATE

STATE OF MARYLAND GREGOR SCOTT SHANABERGER 10649 REGISTERED PROFESSIONAL ENGINEER

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 201
ELLICOTT CITY, MARYLAND 21043

BY THE DEVELOPER :

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 DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER — DATE 1/29/97

BY THE ENGINEER :

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

ENGINEER — DATE 1.29.97

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE — DATE 2/20/97

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

HOWARD SOIL CONSERVATION DISTRICT — DATE 2/20/97

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — DATE 4/4/97

CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE 3/7/97

CHIEF, DIVISION OF LAND DEVELOPMENT — DATE 4/4/97

DATE	NO.	REVISION

OWNER / DEVELOPER
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
THE ROUSE BUILDING
10275 LITTLE PATUXENT PARKWAY
COLUMBIA , MARYLAND 21044

PROJECT
LONG REACH VILLAGE CENTER EXPANSION

AREA TAX MAP 39 PARCELS D-1, D-2, E-1 & LOT G
VILLAGE OF LONG REACH, 6TH & 9TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
PROFILES, NOTES AND DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING ● ENVIRONMENTAL SERVICES ● PLANNING ● SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE Wednesday January 97

1.29.97 DATE

STATE OF MARYLAND JAYKANT D. PAREKH NO. 19148 REGISTERED PROFESSIONAL ENGINEER

JAYKANT D. PAREKH #19148

DESIGNED BY :	CJR
DRAWN BY:	MAD
PROJECT NO :	93E 8100
DATE :	JANUARY 29, 1997
SCALE :	AS SHOWN
DRAWING NO.	6 OF 8

SDP-97-18

PLANT MATERIAL LIST

KEY	QTY.	BOTANICAL / COMMON NAME	SIZE	REMARKS
		TREES		
QP	10	QUERCUS PALUSTRIS PIN OAK	2½"-3½" CAL.	B&B
⚠ PO	~~51~~ 45	PLATANUS ACERIFOLIA "BLOODGOOD" SYCAMORE	2½"-3½" CAL.	B&B
GV	6	CRATAEGUS VIRIDIS WINTERBERRY HAWTHORN	2½"-3½" CAL.	B&B
CL	12	CYPRESSOCYPRESS LELANDI LELAND CYPRESS	10'-12' HT.	B&B
M	5	MALUS CRAB APPLE	8'-10' HT.	B&B
A	6	AMELANCHLOR SERVICE BERRY	2½"-3½" CAL.	B&B
		SHRUBS		
PF	66	PHOTINIA FRASERI FRASER PHOTINIA RED TIP	30"-36" HT.	B&B
EA	140	EUONYMUS ALATUS-COMPACTUS WINGED EUONYMUS	30"-48" HT.	B&B
TM	180	TAXUS X MEDIA 'WARDII' WARD'S YEW	24"-30" HT.	B&B
TD	15	TAXUS DENSIFORMIS JAPANESE DENSE YEW	24"-30" HT.	B&B

LIGHTING SCHEDULE

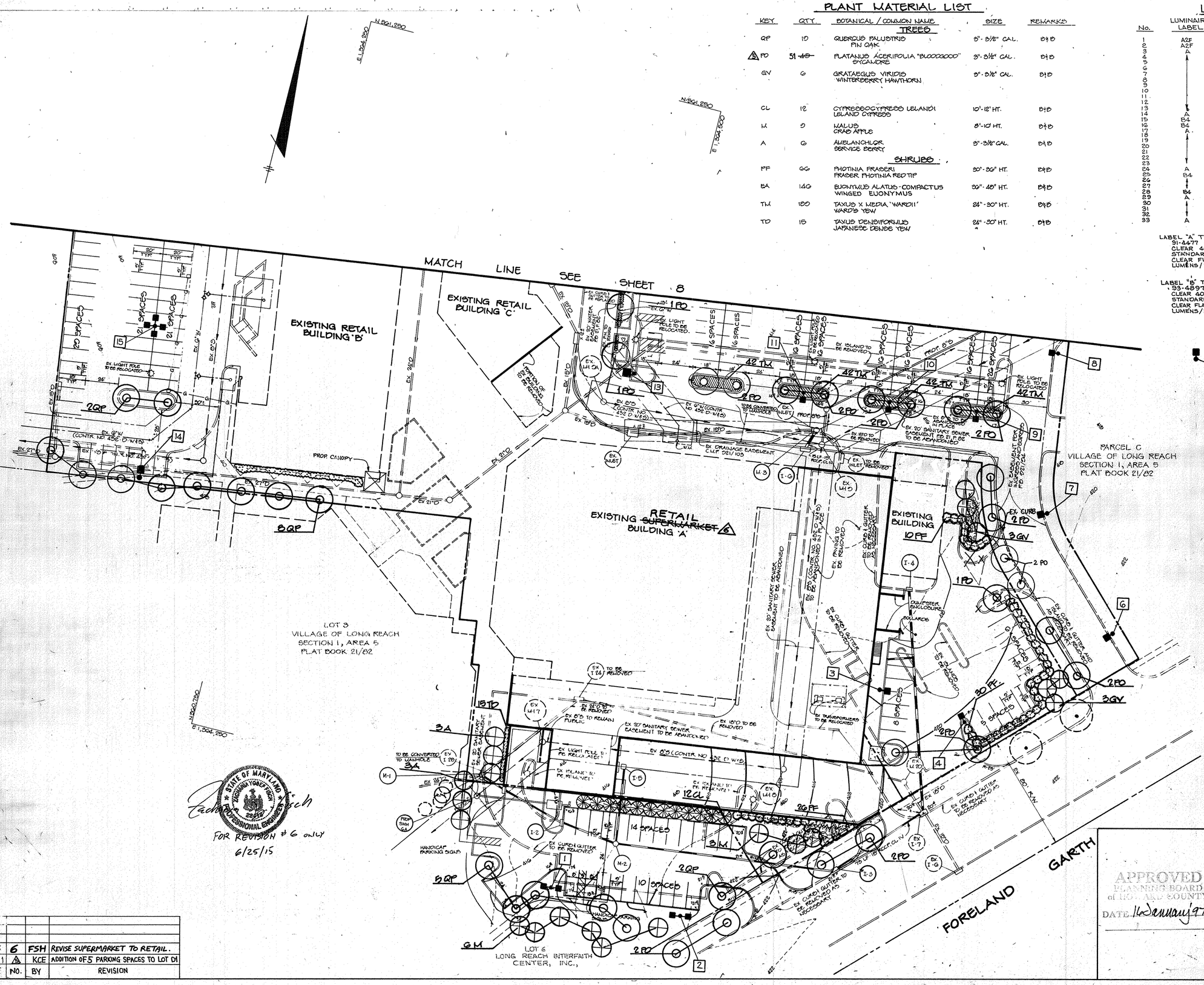
No.	LUMINAIRE LABEL	HEIGHT	No. OF LAMPS	DESCRIPTION
1	A2F	25'	2	EMCO ECA 1823H 400MH FORWARD
2	A2F	25'	2	EMCO ECA 1823H 400MH FORWARD
3	A	25'	1	EMCO ECA 1813H 400MH
4	↓	↓	↓	↓
5	↓	↓	↓	↓
6	↓	↓	↓	↓
7	↓	↓	↓	↓
8	↓	↓	↓	↓
9	↓	↓	↓	↓
10	↓	↓	↓	↓
11	↓	↓	↓	↓
12	↓	↓	↓	↓
13	↓	↓	↓	↓
14	A	25'	1	EMCO ECA 1813H 400MH
15	B4	30'	4	EMCO ECA 1846H 400MH
16	B4	30'	4	EMCO ECA 1846H 400MH
17	A	25'	1	EMCO ECA 1813H 400MH
18	↓	↓	↓	↓
19	↓	↓	↓	↓
20	↓	↓	↓	↓
21	↓	↓	↓	↓
22	↓	↓	↓	↓
23	↓	↓	↓	↓
24	A	25'	1	EMCO ECA 1813H 400MH
25	B4	35'	4	EMCO ECA 1846H 400MH
26	↓	↓	↓	↓
27	↓	↓	↓	↓
28	B4	35'	4	EMCO ECA 1846H 400MH
29	A	25'	1	EMCO ECA 1813H 400MH
30	↓	↓	↓	↓
31	↓	↓	↓	↓
32	↓	↓	↓	↓
33	A	25'	1	EMCO ECA 1813H 400MH

LABEL "A" TYPE LUMINAIRES ARE AS FOLLOWS:
91-4477 EMCO LIGHTING ECSH4M, IES 04/02/91
CLEAR 400 MH/HOR (SUPER) RATED 1000 LUMENS (+/- LAMP STABILIZER)
STANDARD TYPE III OPTICS (18')
CLEAR FLAT TEMPERED GLASS IN EMCO ECOLUME DOOR FRAME
LUMENS/LAMP = 1000 PHOTOMETRIC TYPE = I WATTS = 455

LABEL "B" TYPE LUMINAIRES ARE AS FOLLOWS:
93-4897 EMCO LIGHTING ECQH4M, IES 06/29/93
CLEAR 400 MH/HOR (SUPER) RATED 1000 LUMENS (+/- LAMP STABILIZER)
STANDARD TYPE QH OPTICS (18')
CLEAR FLAT TEMPERED GLASS IN EMCO ECOLUME DOOR FRAME
LUMENS/LAMP = 1000 PHOTOMETRIC TYPE = I WATTS = 455

LIGHTING KEY

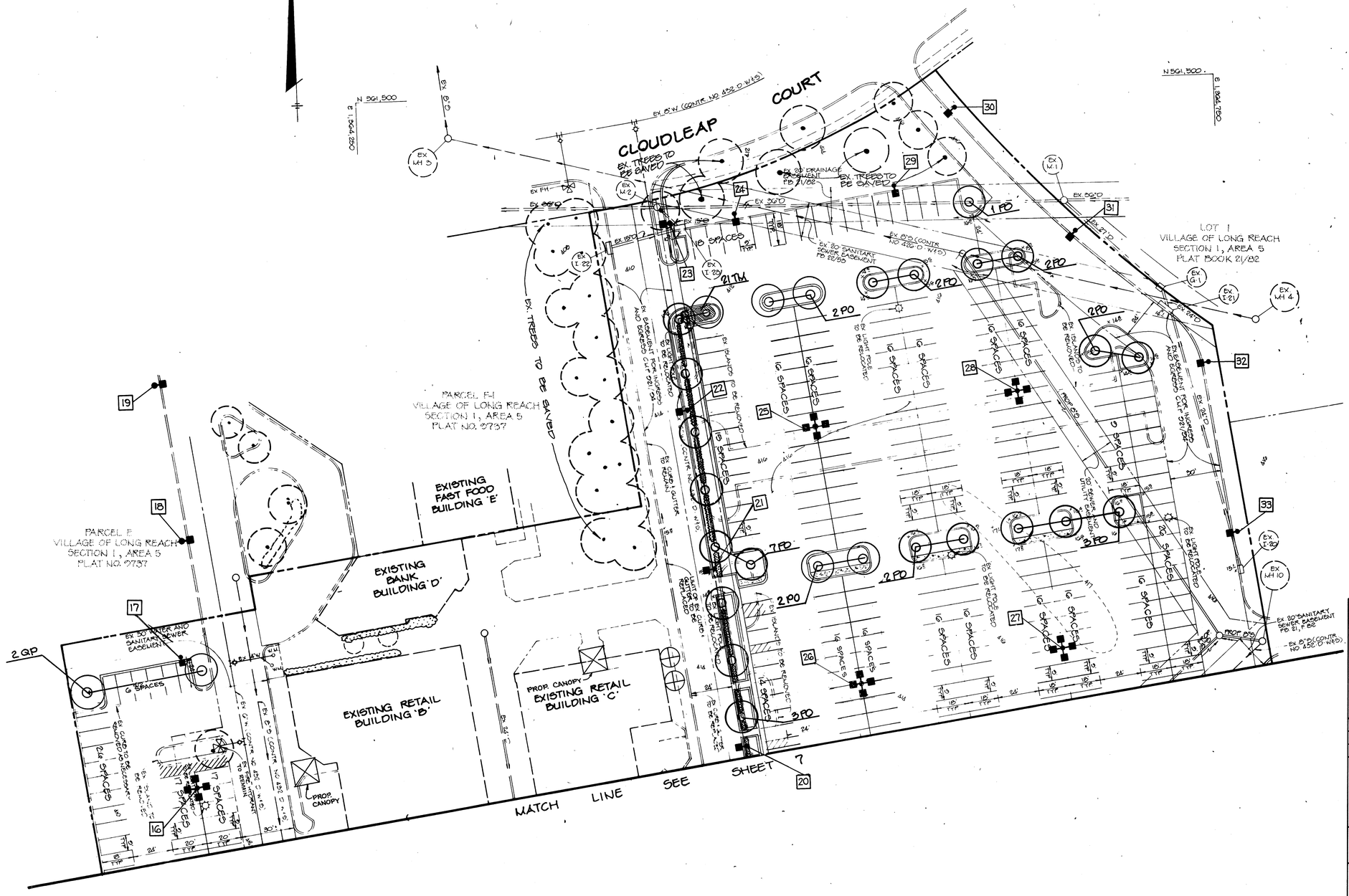
LIGHT POLE LOCATION & IDENTIFYING NUMBER BLOCK


MATCH LINE SEE SHEET 8
EXISTING RETAIL BUILDING 'B'
EXISTING RETAIL BUILDING 'C'
EXISTING RETAIL SUPERMARKET BUILDING 'A' 6
EXISTING BUILDING 10FF
PARCEL C VILLAGE OF LONG REACH SECTION 1, AREA 5 PLAT BOOK 21/82
LOT 3 VILLAGE OF LONG REACH SECTION 1, AREA 5 PLAT BOOK 21/82
LOT 6 LONG REACH INTERFAITH CENTER, INC.,
FORELAND
GARTH
N 821,280
E 1,324,280
PROP. CANOPY
PROP. DUMPSTER ENCLOSURE TO BE RELOCATED
EX. DUMPSTER ENCLOSURE TO BE REMOVED
EX. LIGHT POLE TO BE RELOCATED
EX. ISLAND TO BE REMOVED
EX. CURB & GUTTER TO BE REMOVED AS NECESSARY
EX. 20' SANITARY SEWER EASEMENT TO BE ABANDONED
EX. DRAINAGE EASEMENT CLP 281/105
EX. 20' SANITARY SEWER EASEMENT FOR MD 281/124 ABANDONED
EX. TRANSFORMERS TO BE RELOCATED
EX. 8" SANITARY SEWER TO BE ABANDONED
EX. 8" WATER TO BE ABANDONED
EX. 10" WATER TO BE RELOCATED
EX. 8" WATER TO REMAIN PUBLIC
EX. 8" SANITARY SEWER EASEMENT TO BE ABANDONED
EX. 10" TO BE REMOVED
EX. 8" SANITARY SEWER TO BE ABANDONED
EX. 8" SANITARY SEWER TO BE REMOVED
EX. 8" SANITARY SEWER TO BE RELOCATED
EX. 8" SANITARY SEWER TO REMAIN

LIGHTING KEY

LIGHT POLE LOCATION & IDENTIFYING NUMBER BLOCK

SEE SHEET 7 OF 8 FOR LIGHTING SCHEDULE


CLOUDLEAP COURT
EX. TREES TO BE SAVED
EX. 20' DRAINAGE EASEMENT PB 21/82
EX. 8"W (CONTR. NO 432 D W.E.)
EX. 20' SANITARY SEWER EASEMENT PB 88/85
EX. 8"S (CONTR. NO 432 D W.E.)
EX. 8"D
EX. 12"D
EX. 24"D
EX. 27"D
EX. 30"D
EX. 36"D
EX. 42"D
EX. 48"D
EX. 60"D
EX. 72"D
EX. 96"D
EX. 15"W
EX. 6"G
EX. 6"S
EX. 8"W
EX. FH
EX. M 1
EX. M 2
EX. M 3
EX. M 4
EX. M 10
EX. T 22
EX. T 23
EX. T 24
EX. T 25
EX. G 1
N 561,500
E 1,082,700
N 561,000
E 1,082,300
LOT 1
VILLAGE OF LONG REACH
SECTION 1, AREA 5
PLAT BOOK 21/82
PARCEL F-1
VILLAGE OF LONG REACH
SECTION 1, AREA 5
PLAT NO. 9737
PARCEL P
VILLAGE OF LONG REACH
SECTION 1, AREA 5
PLAT NO. 9737
EXISTING FAST FOOD BUILDING 'E'
EXISTING BANK BUILDING 'D'
EXISTING RETAIL BUILDING 'B'
PROP. CANOPY
EXISTING RETAIL BUILDING 'C'
PROP. CANOPY
EX. TREES TO BE SAVED
EX. PLANTS TO BE RELOCATED
EX. PLANTS TO BE REMOVED
EX. LIGHT POLE TO BE RELOCATED
EX. LIGHT POLE TO BE REMOVED
EX. ISLANDS TO BE REMOVED
EX. ISLANDS TO BE RELOCATED
EX. CURB & GUTTER TO BE REMOVED
EX. CURB & GUTTER
EX. 30' WATER AND SANITARY SEWER EASEMENT
EX. 20' SANITARY SEWER EASEMENT PB 81, P 255
EX. 20' SANITARY SEWER EASEMENT AND BARRIER CLIP 921, 922
EX. 20' SANITARY SEWER EASEMENT PB 81, P 255
EX. 30' SANITARY SEWER EASEMENT
EX. 30' SANITARY SEWER EASEMENT PB 88/85
EX. 30' SANITARY SEWER EASEMENT PB 21/82
EX. 30' SANITARY SEWER EASEMENT PB 81, P 255
EX. 20' SANITARY SEWER EASEMENT PB 81, P 255
EX. 20' SANITARY SEWER EASEMENT AND BARRIER CLIP 921, 922
EX. 20' SANITARY SEWER EASEMENT PB 81, P 255
EX. 8"S (CONTR. NO 432 D W.E.)
EX. 8"W (CONTR. NO 432 D W.E.)
EX. 8"S (CONTR. NO 432 D W.E.)
EX. 8"W (CONTR. NO 432 D W.E.)
PROP. 8"S
PROP. 8"W
PROP. 6"W
PROP. 6"S
EX. 6"W (CONTR. NO 432 D W.E.)
EX. 6"S (CONTR. NO 432 D W.E.)