

VICINITY MAP
MAP NOT TO SCALE

NOTE:
EXISTING CONDITIONS WAS OBTAINED BY HERSHBERG AND
HERSHBERG CONSULTING ENGINEERS AND SURVEYORS. MAP
ENTITLED ALTA/ACSM LAND TITLE SURVEY DATED 12/17/09
REVISED 2/21/11.

MAP REFERENCES

1. A MAP ENTITLED "MAP OF PARCEL OF LAND TO BE
CONVEYED TO CHARLES LAROSE," TOWN OF BETHLEHEM, COUNTY
OF ALBANY, STATE OF NEW YORK, DATED MARCH 28, 1946
MADE BY EDWARD BOUTELLE, L.E. & L.S. AND FILED IN THE
ALBANY COUNTY CLERKS OFFICE AS MAP No.1910 IN DRAWER
126.
2. A MAP ENTITLED "SITE AND UTILITIES PLAN FOR DOWERSKILL
VILLAGE SECTION ONE" TOWN OF BETHLEHEM, COUNTY OF
ALBANY, STATE OF NEW YORK, MADE BY PAUL HITE, L.S.,
DATED JANUARY 18, 1974 LAST REVISED MAY 1, 1975, AND
FILED IN THE ALBANY COUNTY CLERKS OFFICE ON NOVEMBER 7,
1975 AS MAP No.5172 IN DRAWER 168.
3. A MAP ENTITLED "A MAP OF PROPOSED SUBDIVISION OF
DOWERSKILL VILLAGE SECTION, No.28 PLANNED RESIDENCE
DISTRICT No.4, PROPERTY OF JENKINS BUILDING CORP. PHASE
II AMENDED" TOWN OF BETHLEHEM, COUNTY OF ALBANY, STATE
OF NEW YORK, DATED MAY 29, 2007 AND PREPARED BY PAUL
E. HITE, L.S., AND FILED IN THE ALBANY COUNTY CLERKS
OFFICE.

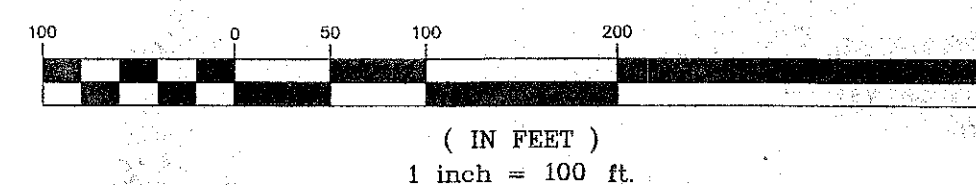
SHEET LIST

- C-1. EXISTING CONDITIONS
- C-2. SITE USAGE PLAN
- C-3. OVERALL SITE PLAN
- C-4. DETAILED SITE PLAN #1
- C-5. DETAILED SITE PLAN #2
- C-6. LANDSCAPING PLAN #1
- C-7. LANDSCAPING PLAN #2
- C-8. DETAILS
- C-9. ROADWAY PROFILES
- C-10. LIGHTING PHOTOMETRIC PLAN
- C-11. LIGHTING DETAILS
- C-12. SWPPP DETAILS
- C-13. SWPPP PROFILES
- C-14. SWPPP DETAILS
- C-15. SWPPP EROSION + SEDIMENT CONTROL PLAN
- C-16. DETAILS



EXISTING CONDITIONS LEGEND			
	WATER VALVE		MANHOLE
	HYDRANT		CATCHBASIN
	GAS VALVE		SIGN
	LIGHT POLE		OVERHEAD WIRE, UTILITY POLE & GUY WIRE
	PAVEMENT		WATER SHUT OFF
	INDIVIDUAL TREE		WETLAND DELINEATION
	EDGE OF WOODS		DELINEATED WET LAND
	LIMIT OF CLEARING		EXISTING CONTOURS

GRAPHIC SCALE



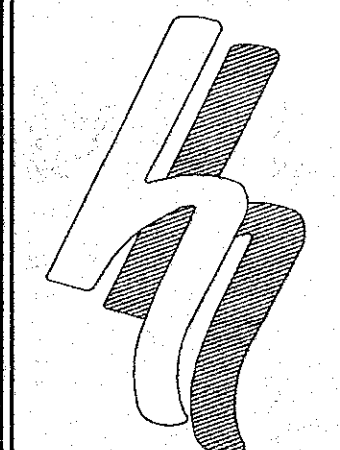
APPLICANT:
GORDON RESIDENTIAL DEVELOPEMENT, LP
384 BROADWAY, ALBANY, NY

OWNER:
DMV COMMERCIAL VENTURES INC.
1065 AVENUE OF THE AMERICAS
NEW YORK, NY 10018

TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

TOWN OF BETHLEHEM, NEW YORK
PLANNING DEPT. ORIGINAL
- SCANNED -

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved
George J. Finner
Title CHAIRMAN
Date 6/3/2011 SPA172



HERSHBERG
&
HERSHBERG
Consulting Engineers
and Land Surveyors

18 Locust Street
Albany, New York 12203

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DATE	REVISIONS
2/4/11	GENERAL REVISIONS
3/1/11	COMMENT LETTER (2/8/11)
3/29/11	COMMENT LETTER (3/18/11)
4/20/11	GENERAL REVISION
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5/12/11	FLOOR PLAN

PROPOSED APARTMENT COMPLEX
EXISTING CONDITIONS
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

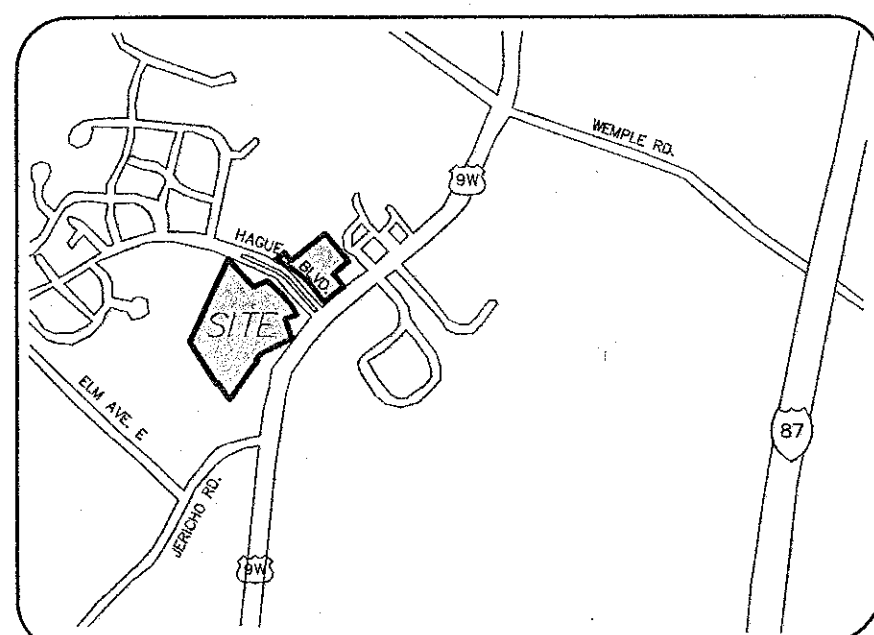
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SPA 172

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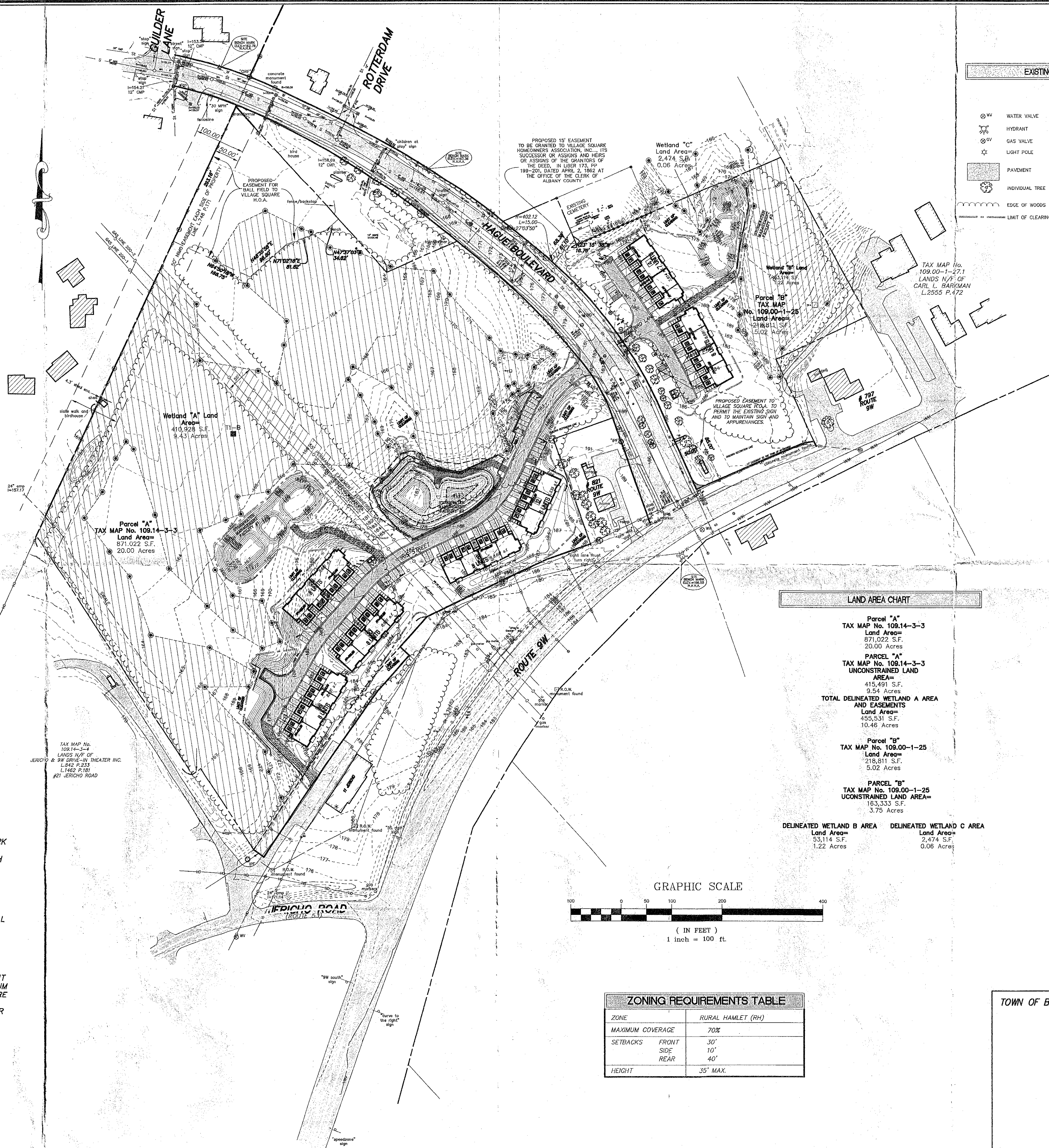
VICINITY MAP
MAP NOT TO SCALE

PARKING TABLE	
PARKING REQUIRED	80
PARKING PROVIDED IN GARAGES	=53
PARKING PROVIDED IN DRIVEWAYS	=53
GUEST PARKING	=31
TOTAL PARKING PROVIDED	=137

GENERAL NOTES

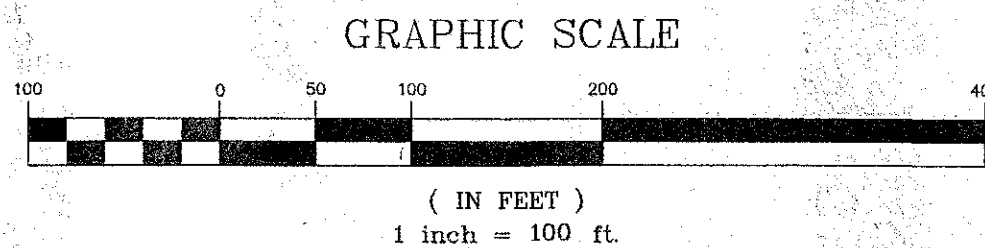
1. AREA OF DISTURBANCE = 7.73+ACRES
2. AREA OF WETLAND DISTURBANCE = 0.00 ACRES
3. THE ENTIRE PROJECT IS LOCATED IN FLOOD ZONE AREA C
4. SITE IS LOCATED IN BETHLEHEM SEWER DISTRICT.
5. SITE IS LOCATED IN WATER DISTRICT #1.
6. SITE IS LOCATED IN RURAL HAMLET(RH) ZONING DISTRICT.
7. SITE IS LOCATED IN SELKIRK FIRE DISTRICT AND RAVENA COEYMANS-SELKIRK SCHOOL DISTRICT.
8. WETLAND DELINEATION WAS COMPLETED ON NOVEMBER 2009 BY LONGWORTH ENVIRONMENTAL, INC. AND A JURISDICTIONAL LETTER ISSUED ON JUNE 11, 2010.
9. A PHASE I CULTURAL SURVEY WAS COMPLETED MAY, 2010 BY COLUMBIA HERITAGE, LTD.
10. A GEOTECHNICAL ENGINEER SHALL PROVIDED GEOTECHNICAL SERVICES DURING CONSTRUCTION INCLUDING MONITORING, RECOMMENDATIONS AND IMPLEMENTATION. THE CONTRACTOR SHALL CONFORM TO ALL GEOTECHNICAL RECOMMENDATIONS THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.
11. ALL GRADING WORK SHALL CONFORM TO MINIMUM COMPACTION AS STATED BELOW:
 - A. COMPACTION UNDER ROADWAYS MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS MEASURED BY AASHTO T-180.
 - B. COMPACTION OF OTHER FILLS AND EMBANKMENTS FILL OR EMBANKMENT MATERIALS SHALL BE COMPACTED TO NOT LESS THAN 90% OF MAXIMUM DRY DENSITY AS MEASURED BY AASHTO T-180. BUT ALL AREAS WHERE TEMPORARY OR PERMANENT PLANTING IS PROPOSED WILL BE DECOMPACTIONED USING DECOMPACTION OR DEEP RIPPING METHODS PRIOR TO PLANTING

TAX MAP No. 109.14-3-4
LANDS N/F OF
ERICO & SW DRIVE-IN THEATER INC.
L 342 P.233
L 1462 P.181
#21 JERICHO ROAD

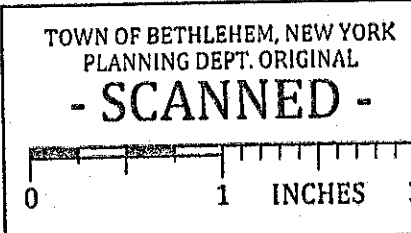


EXISTING CONDITIONS LEGEND	
WV	WATER VALVE
HY	HYDRANT
GV	GAS VALVE
LP	LIGHT POLE
PA	PAVEMENT
IT	INDIVIDUAL TREE
EW	EDGE OF WOODS
LC	LIMIT OF CLEARING
MH	MANHOLE
CB	CATCHBASIN
SI	SIGN
OW	OVERHEAD WIRE, UTILITY POLE & GUY WIRE
WS	WATER SHUT OFF
WD	WETLAND DELINEATION
DWL	DELINEATED WET LAND
EC	EXISTING CONTOURS

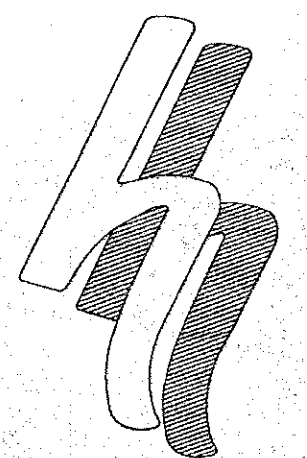
LAND AREA CHART	
Parcel "A" TAX MAP No. 109.14-3-3 Land Area= 871,022 S.F. 20.00 Acres	Parcel "B" TAX MAP No. 109.00-1-25 Land Area= 218,811 S.F. 5.02 Acres
Parcel "A" TAX MAP No. 109.14-3-3 UNCONSTRAINED LAND AREA= 415,491 S.F. 9.54 Acres	Parcel "B" TAX MAP No. 109.00-1-25 UNCONSTRAINED LAND AREA= 163,333 S.F. 3.75 Acres
TOTAL DELINEATED WETLAND A AREA AND EASEMENTS Land Area= 455,531 S.F. 10.46 Acres	DELINEATED WETLAND B AREA Land Area= 53,114 S.F. 1.22 Acres
	DELINEATED WETLAND C AREA Land Area= 2,474 S.F. 0.06 Acres



ZONING REQUIREMENTS TABLE	
ZONE	RURAL HAMLET (RH)
MAXIMUM COVERAGE	70%
SETBACKS	FRONT 30' SIDE 10' REAR 40'
HEIGHT	35' MAX.



TOWN OF BETHLEHEM PLANNING BOARD APPROVAL



HERSHBERG & HERSHBERG
Consulting Engineers
and Land Surveyors

18 Locust Street
Albany, New York 12203

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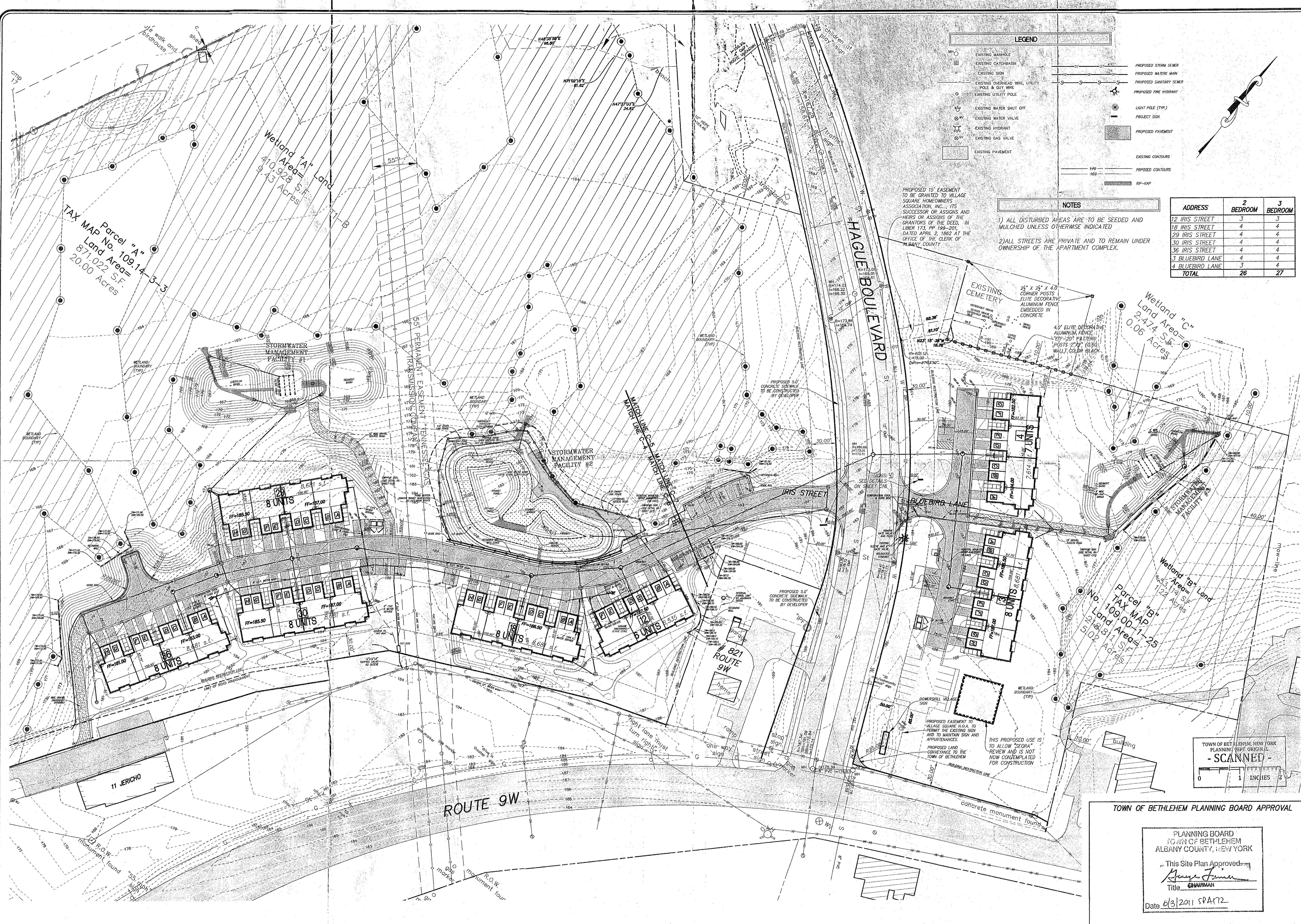
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REVISIONS

PROPOSED APARTMENT COMPLEX
SITE USAGE PLAN
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

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LEGEND

EXISTING MANHOLE	PROPOSED STORM SEWER
EXISTING CATCHBASIN	PROPOSED WATER MAIN
EXISTING SIGN	PROPOSED SANITARY SEWER
EXISTING OVERHEAD WIRE, UTILITY	PROPOSED FIRE HYDRANT
EXISTING POLE & GUY WIRE	LIGHT POLE (TYP.)
EXISTING UTILITY POLE	PROJECT SIGN
EXISTING WATER SHUT OFF	PROPOSED PAVEMENT
EXISTING WATER VALVE	EXISTING CONTOURS
EXISTING HYDRANT	PROPOSED CONTOURS
EXISTING GAS VALVE	
EXISTING PAVEMENT	

NOTES

- 1) ALL DISTURBED AREAS ARE TO BE SEEDED AND MULCHED UNLESS OTHERWISE INDICATED.
- 2) ALL STREETS ARE PRIVATE AND TO REMAIN UNDER OWNERSHIP OF THE APARTMENT COMPLEX.

ADDRESS	2 BEDROOM	3 BEDROOM
12 IRIS STREET	3	3
18 IRIS STREET	4	4
29 IRIS STREET	4	4
30 IRIS STREET	4	4
36 IRIS STREET	4	4
3 BLUEBIRD LANE	4	4
4 BLUEBIRD LANE	3	4
TOTAL	26	27

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
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STATE OF NEW YORK
JUL 1 2011
PLANNING BOARD

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PROPOSED APARTMENT COMPLEX
OVERALL SITE PLAN
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

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TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

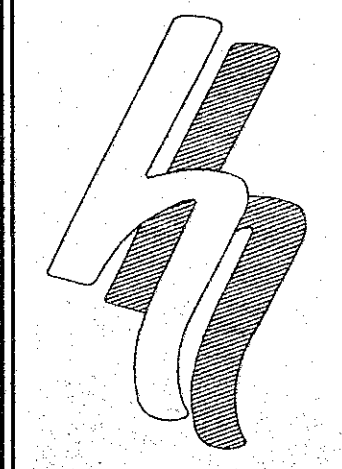
This Site Plan Approved:

[Signature]
Title: CHAIRMAN

Date: 6/3/2011 SPA172

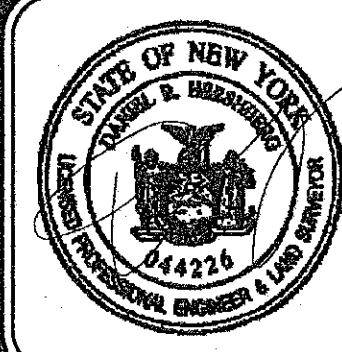


- NOTES**
- 1) ALL NEW UTILITIES SHOWN ON THE DRAWING INCLUDING WATER, STORM AND SANITARY SEWER ARE PRIVATELY OWNED AND MAINTAINED.
 - 2) ALL SPACES TO BE A MINIMUM OF 9'X20' WITH DEPTH MEASURED FROM OUTER EDGE OF LIP GUTTER.
 - 3) STREETS ARE TO BE BUILT TO TOWN STANDARD SPECIFICATIONS.
 - 4) THE TOWN SHALL HAVE THE RIGHT OF INGRESS OR EGRESS TO AND FROM ALL STORM WATER MANAGEMENT FROM HAGUE BOULEVARD.



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**PROPOSED APARTMENT COMPLEX
DETAILED SITE PLAN #1
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY**

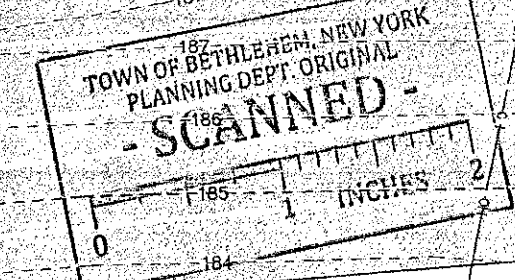
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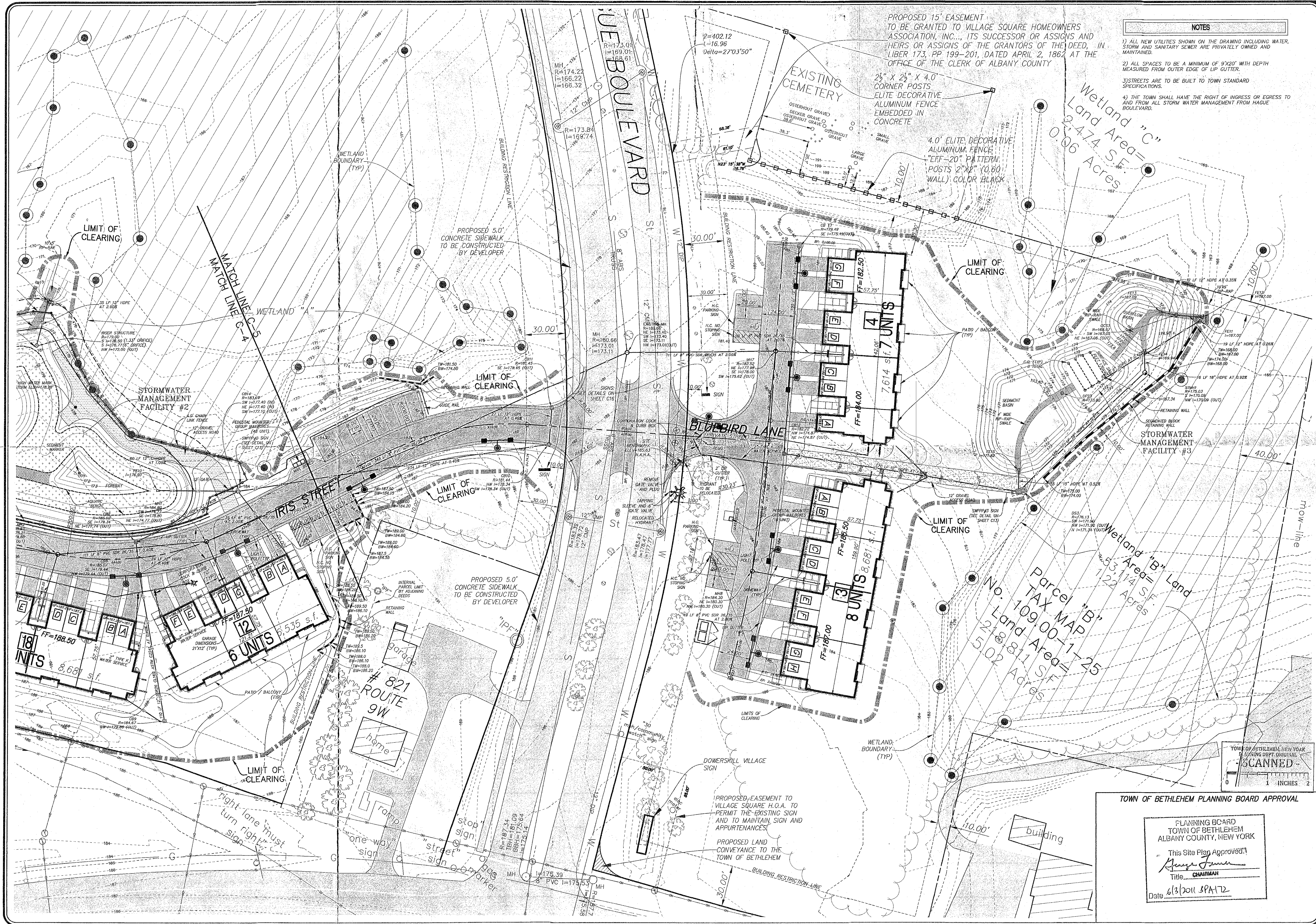
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TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved
George J. Finner
Title: CHAIRMAN
Date: 6/3/2011 SPA172

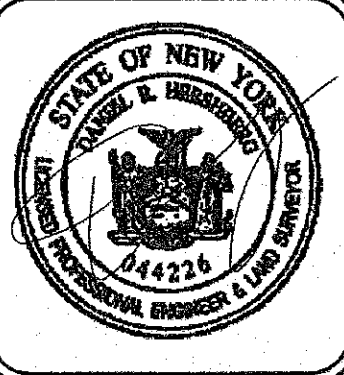




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5/12/11	FLOOR PLAN

**PROPOSED APARTMENT COMPLEX
DETAILED SITE PLAN #2
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY**

TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved:
George J. Juma
Title: **CHAIRMAN**
Date: 6/3/2011 SPA172

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2" MULCH
EXTENDING
OVER, BERM

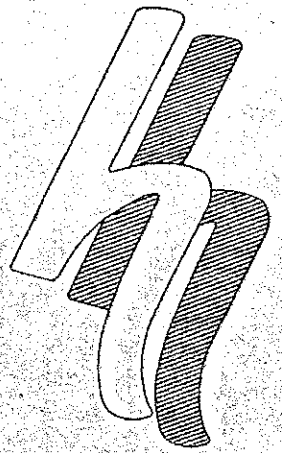
REMOVE BURLAP FROM
TOP OF BALL ONLY

GROUND LINE TO BE THE
SAME AS IN THE NURSERY

4" HIGH BERM, FLOOD
WITH WATER TWICE IN
FIRST 24 HOURS

SCARIFY BOTTOM
OF PIT (MIN. 6")

NOTE: SEE PLANT LIST ON SHEET C-7



*Consulting Engineers
and Land Surveyors*

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Albany, New York 12203

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COMMENTS/FLOOR PLAN	5/1/11
FLOOR PLAN	5/12/11

PROPOSED APARTMENT COMPLEX
LANDSCAPING PLAN #1
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

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PLANT MATERIAL SCHEDULE					
SYM	BOTANICAL NAME	COMMON NAME	SIZE	AMT	COMMENTS
SHRUBS					
AT	AZALEA 'STEWARTSONIAN'	STEWARTSONIAN AZALEA	18"-24" H.	12	C.G.
CS	CORNUS ALBA 'SIBIRICA'	SIBIRIAN DOGWOOD	2'-3' HT.	51	B & B
EC	EUONYMUS ALATUS 'COMPACTA'	COMPACT BURNING BUSH	2'-3' HT.	41	B & B
HS	HIBISCUS SYOSIYACUS 'PINK GIANT'	ROSE OF SHARON 'PINK GIANT'	4'-5' H.	16	B & B
RD	RHODODENDRON (HYBRIDS)	RHODODENDRON (HYBRID)	2' HT.	6	B & B
TD	TAXUS X MEDIA 'DENSIFORMIS'	DENSE SPREADING YEW	24" HT.	16	B & B
TREES					
AB	ABIES CONCOLOR	WHITE FIR	8'-10' H.	17	B & B
CS	CRATAEGUS CRUSGALLI VAR. INERMIS	THORNTLESS COCKSPUR HAWTHORN	3'-3 1/2' CA.	7	B & B
GS	GLEDITSIA TRIACANTHOS INERMIS 'SUNBURST'	SUNBURST HONEY-LOCUST	3'-3 1/2' CA.	22	B & B
PA	PICEA ABIES	NORWAY SPRUCE	8'-10' H.	22	B & B
PP	PICEA PUNGENS	COLORADO SPRUCE	8'-10' H.	18	B & B
TS	TSUGA CANADENSIS	CANADIAN HEMLOCK	8'-10' H.	5	B & B

ALL DISTURBED AREAS SHALL BE TOPSOIL AND SEEDED
SEED MIXES SHALL BE AS FOLLOWS:

SLOPES 1' VERTICAL TO 3' HORIZONTAL OR GREATER & ALL DETENTION BASINS--55% CLEMFINE TALL FESCUE, 15% NASSAU KENTUCKY BLUEGRASS, 10% PALMER PERENNIAL RYEGRASS, 10% SABRE OR LASER POA TRIVIALIS, 5% STREAKER REDTOP, 5% REED CANARYGRASS APPLIED AT A RATE OF 5#/1000 SQ. FT.

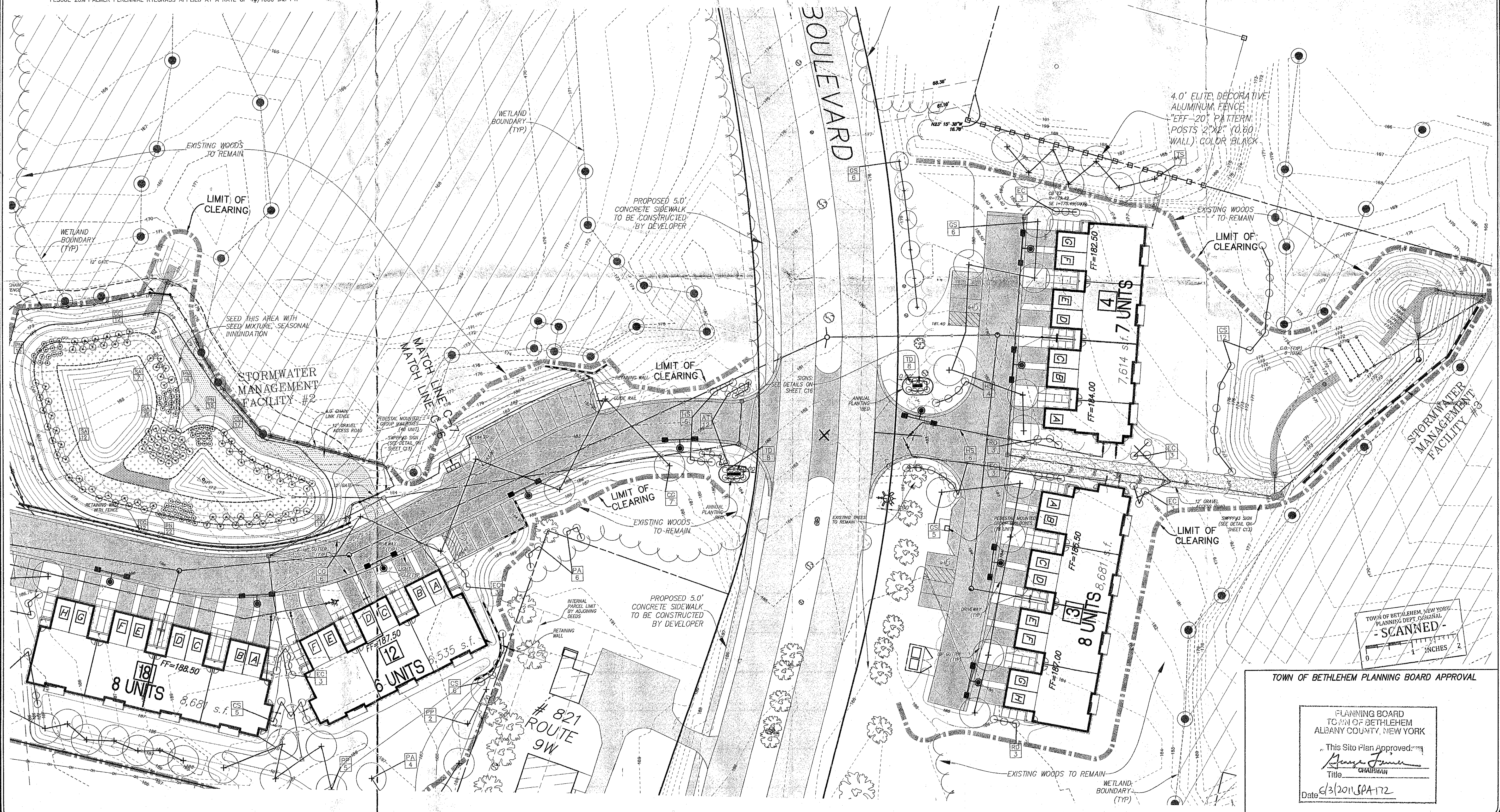
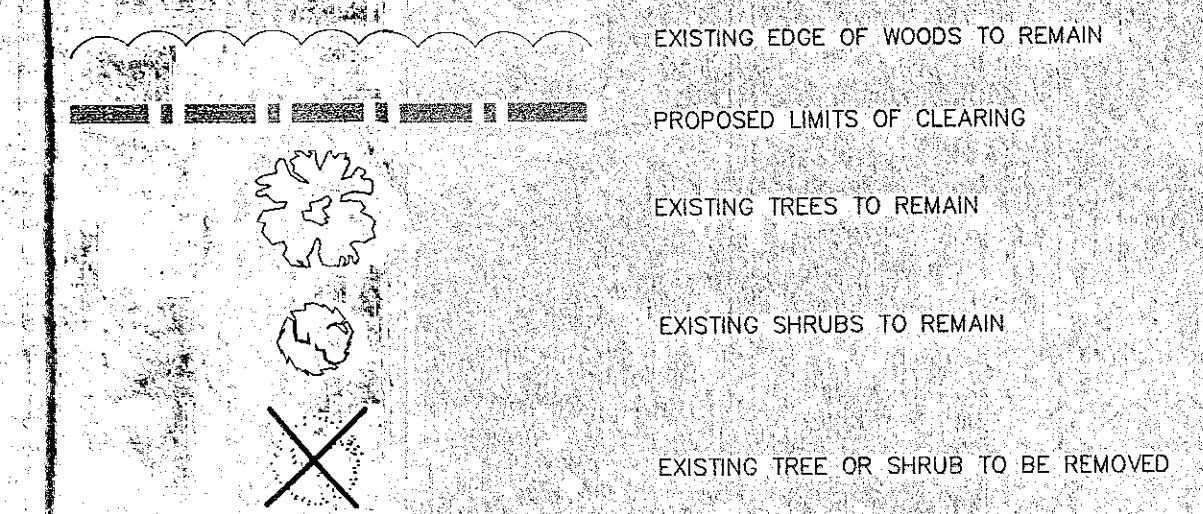
ALL OTHER AREAS--60% NASSAU KENTUCKY BLUEGRASS, 20% JAMESTOWN CHEWING FESCUE 20% PALMER PERENNIAL RYEGRASS APPLIED AT A RATE OF 4#/1000 SQ. FT.

SEED MIX FOR AREA OF SEASONAL INUNDATION			
PERCENTAGE BY WEIGHT	BOTANICAL NAME	COMMON NAME	
20.0	Carex vulpinoidea	Fox Sedge	
20.0	Polygonum pennsylvanicum	Pennsylvania Smartweed	
15.0	Panicum virgatum	Switchgrass	
10.0	Scripus cyperinus	Woolgrass	
5.0	Junus affusus	Soft Rush	
5.0	Glyceria striata	Fowl Mannagrass	
5.0	Eupatorium fistulosum	Jos. Pye Weed	
5.0	Iris versicolor	Blue Flag	
4.0	Scripus acutus	Hard Stem Bulrush	
4.0	Leersia oryzoides	Rice Cutgrass	
4.0	Zizania aquatica	Wild Rice	
3.0	Scirpus pungens	Common three square	
Seed at 25 Lbs. Per Acre, Mulch with fiber mulch and organic tackifier			

NOTES:
1) ALL SIZES INDICATED ARE MINIMUM SIZE AT TIME OF PLANTING
2) ALL PLANT MATERIAL SHALL CONFORM TO, AND BE PLANTED IN ACCORDANCE WITH THE STANDARDS RECOMMENDED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.

POCKET POND - PLANT MATERIAL SCHEDULE					
SYM	BOTANICAL NAME	COMMON NAME	SIZE	AMT	COMMENTS
HERBACEOUS PLANTS					
CC	Coturnicoglossa canadensis	Blue Joint Grass	2" Plugs	68	
SA	Scirpus acutus	Hardstem Bulrush	2" Plugs	80	
PN	Potamogeton nodosus	Long-leaved Pond Weed	2" Plugs	41	

NOTE:
1) PLANTS ABOVE MUST BE PLANTED WITHIN 6" OF THE PERMANENT POOL ELEVATION OF 176.5



HERSHBERG & HERSHBERG
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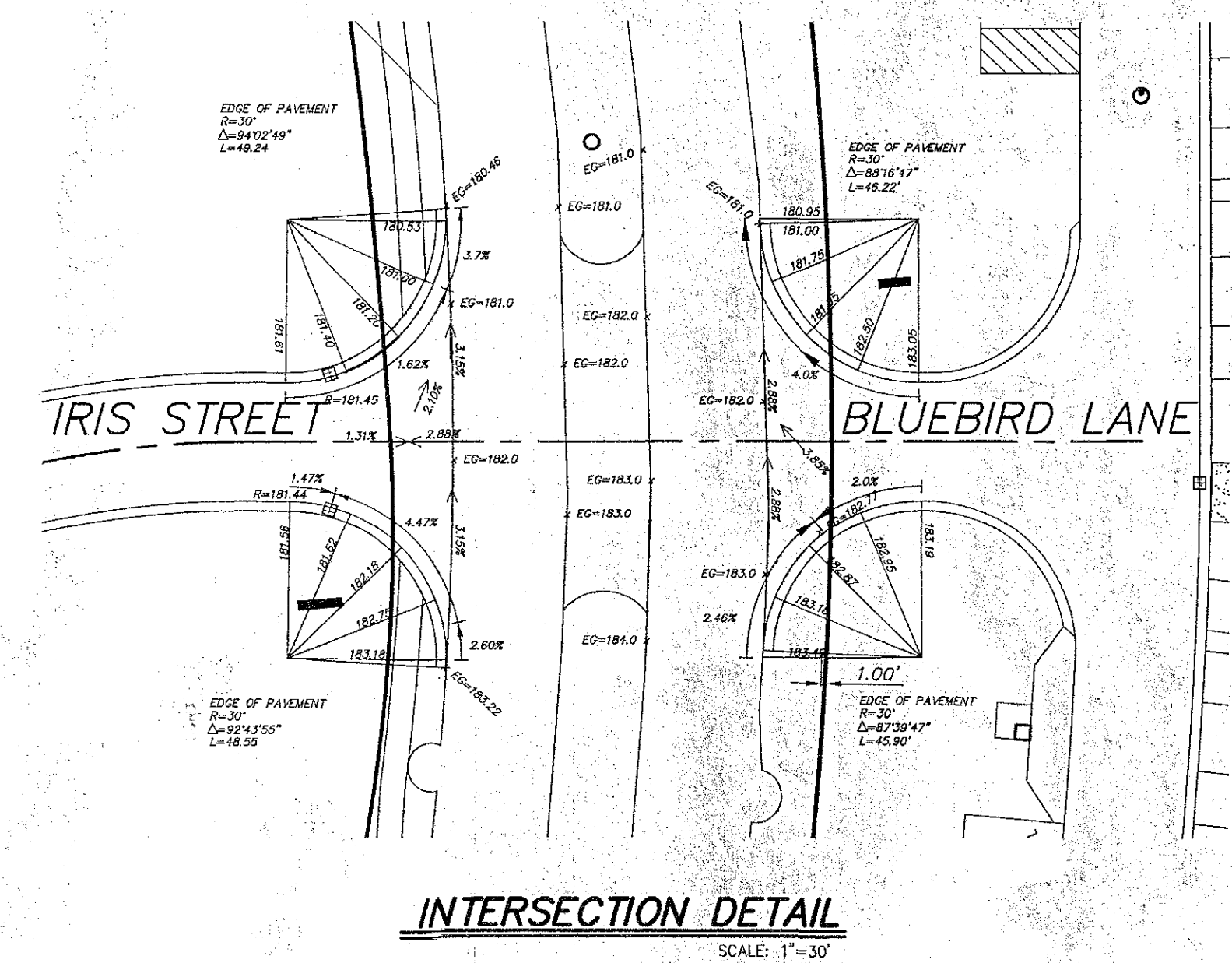
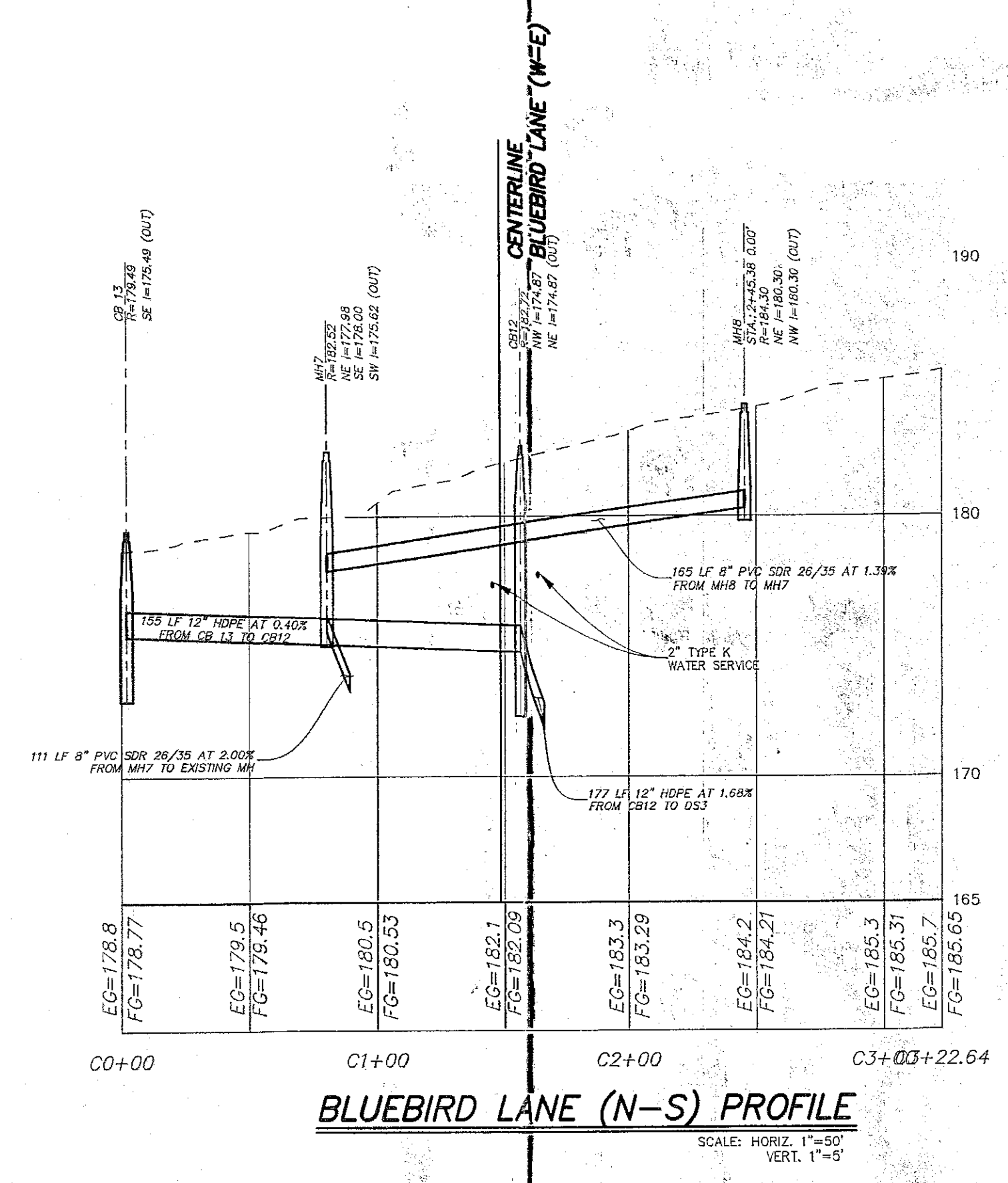
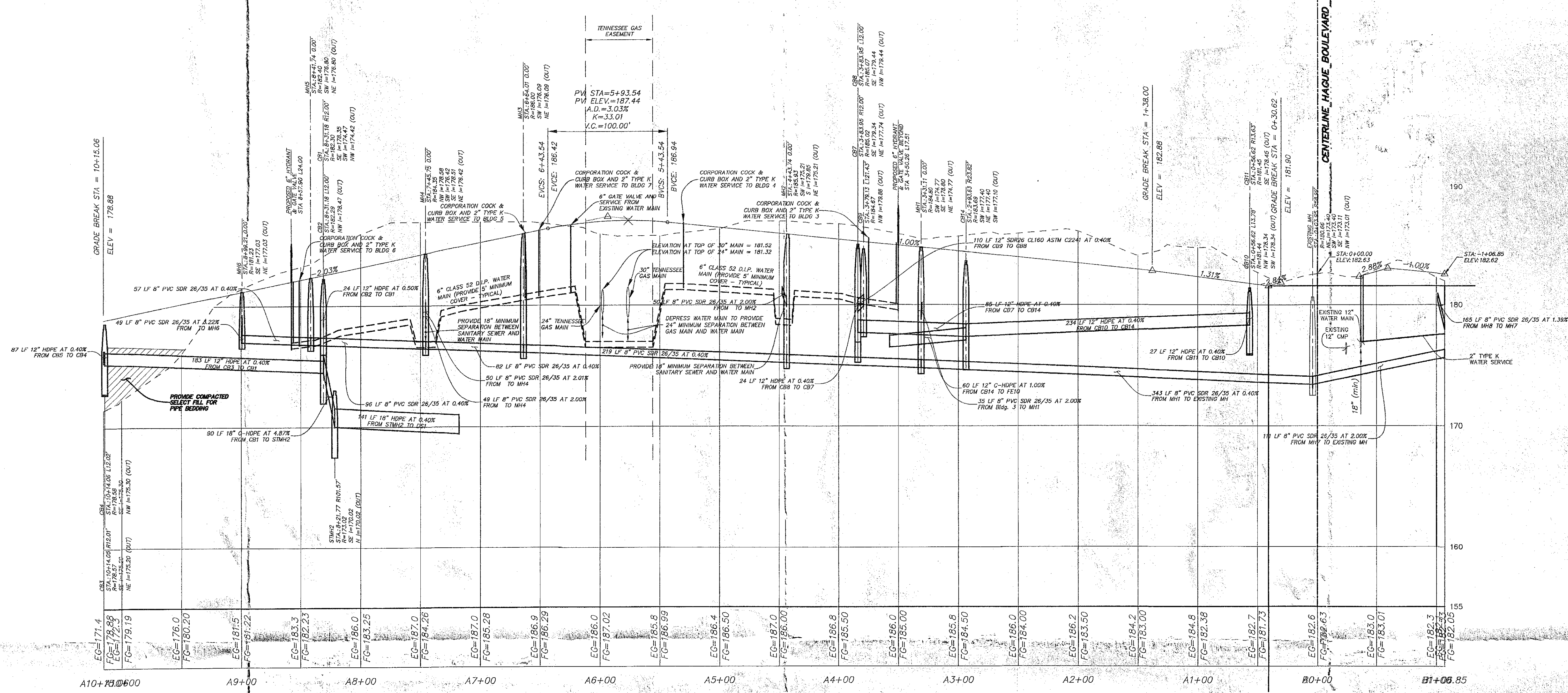
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PROPOSED APARTMENT COMPLEX
LANDSCAPING PLAN #2
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

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PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved:

George J. Finner
Title: CHAIRMAN

Date: 6/3/2011 SPA172

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STATE OF NEW YORK
JULY 1, 1784
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FLOOR PLAN/GAS EASEMENT	5/12/11

PROPOSED APARTMENT COMPLEX
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Town of Bethlehem
Planning Board

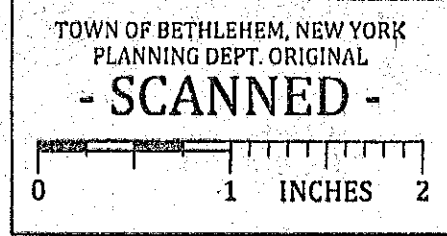
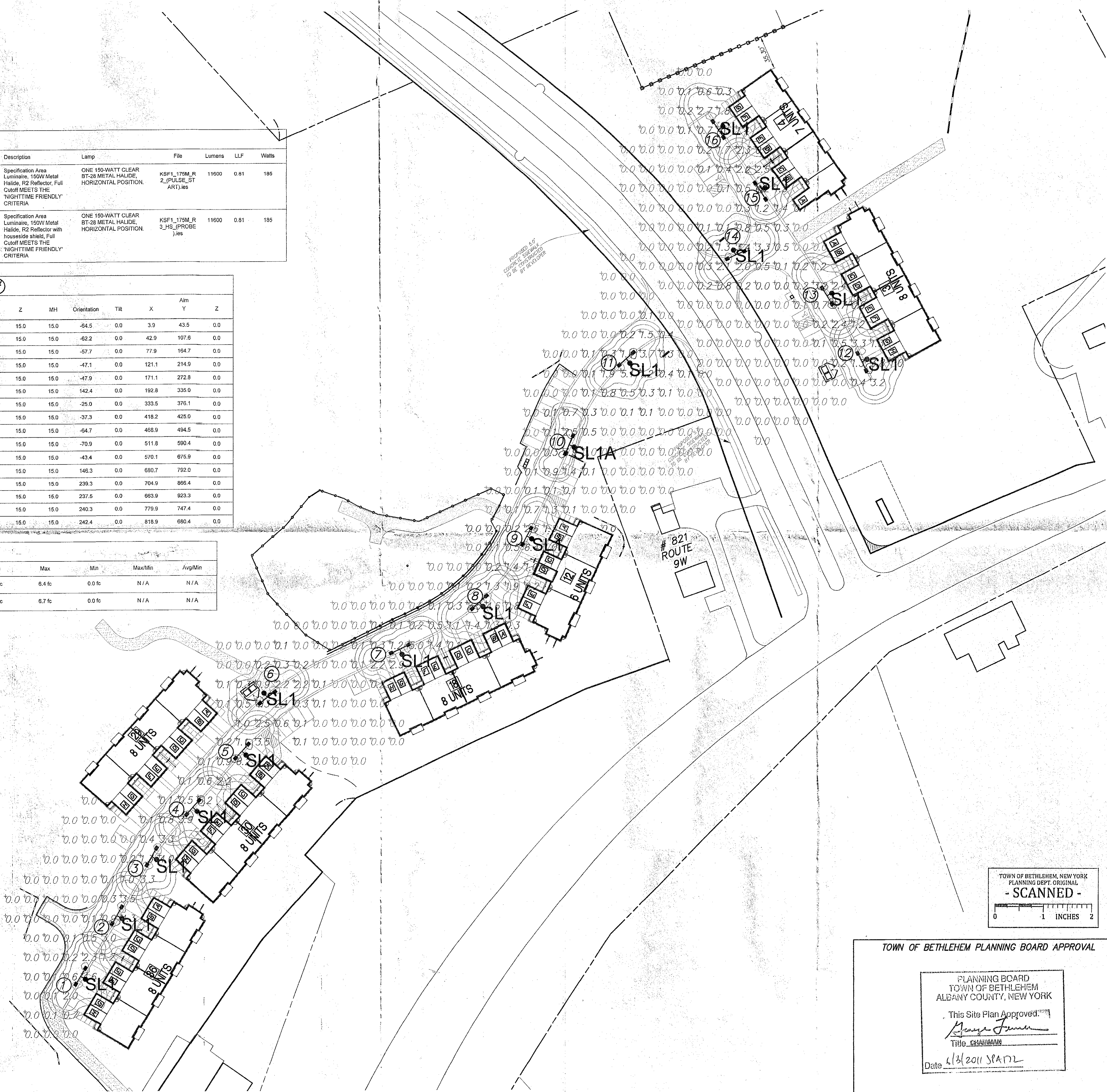
FILE COPY

C-9

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	SL1	15	UTHONIA: KSF1 RLC 150M R2 TB SP04 DDB SSS 15 4C DM19 DDB	Specification Area Luminaire, 150W Metal Halide, R2 Reflector, Full Cutoff MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	ONE 150-WATT CLEAR BT-28 METAL HALIDE, HORIZONTAL POSITION.	KSF1_175M_R 2_(PULSE_ST ART).ies	11600	0.81	185
	SL1A	1	UTHONIA: KSF1 RLC 150M R2HS TB SP04 DDB SSS 15 4C DM19 DDB	Specification Area Luminaire, 150W Metal Halide, R2 Reflector with household shield, Full Cutoff MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	ONE 150-WATT CLEAR BT-28 METAL HALIDE, HORIZONTAL POSITION.	KSF1_175M_R 3_HS_(PROBE)ies	11600	0.81	185

LUMINAIRE LOCATIONS = #										
No.	Label	X	Location Y	Z	MH	Orientation	TIR	X	Aim Y	Z
①	SL1	5.0	43.0	15.0	15.0	-94.5	0.0	3.9	43.5	0.0
②	SL1	44.0	107.0	15.0	15.0	-62.2	0.0	42.9	107.6	0.0
③	SL1	79.0	164.0	15.0	15.0	-57.7	0.0	77.9	164.7	0.0
④	SL1	122.0	214.0	15.0	15.0	-47.1	0.0	121.1	214.9	0.0
⑤	SL1	172.0	272.0	15.0	15.0	-47.9	0.0	171.1	272.8	0.0
⑥	SL1	192.0	336.0	15.0	15.0	-42.4	0.0	192.8	335.0	0.0
⑦	SL1	334.0	375.0	15.0	15.0	-25.0	0.0	333.5	376.1	0.0
⑧	SL1	419.0	424.0	15.0	15.0	-37.3	0.0	418.2	425.0	0.0
⑨	SL1	470.0	494.0	15.0	15.0	-64.7	0.0	468.9	494.5	0.0
⑩	SL1A	513.0	590.0	15.0	15.0	-70.9	0.0	511.8	590.4	0.0
⑪	SL1	571.0	675.0	15.0	15.0	-43.4	0.0	570.1	676.9	0.0
⑫	SL1	580.0	793.0	15.0	15.0	-46.3	0.0	580.7	792.0	0.0
⑬	SL1	706.0	867.0	15.0	15.0	-239.3	0.0	704.9	866.4	0.0
⑭	SL1	865.0	924.0	15.0	15.0	-237.5	0.0	863.9	923.3	0.0
⑮	SL1	781.0	748.0	15.0	15.0	-240.3	0.0	779.9	747.4	0.0
⑯	SL1	820.0	681.0	15.0	15.0	-242.4	0.0	818.9	680.4	0.0

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Bluebird Lane	+	0.5 fc	6.4 fc	0.0 fc	N/A	N/A
Calc Zone #1	+	0.6 fc	6.7 fc	0.0 fc	N/A	N/A



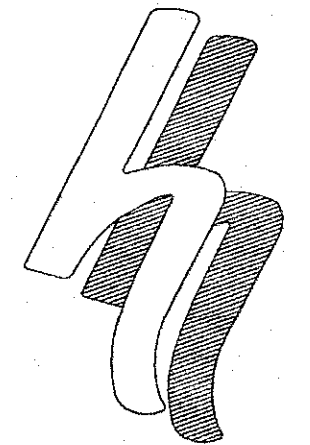
TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.


George J. Finner
Title: CHAIRMAN

Date: 6/3/2011 SPANZ



**HERSHBERG
&
HERSHBERG**
Consulting Engineers
and Land Surveyors
18 Locust Street
Albany, New York 12203

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REMARKS	DATE
GENERAL REVISIONS	2/4/11
COMMENT LETTER (2/6/11)	3/1/11
COMMENT LETTER (3/18/11)	3/28/11
GENERAL REVISIONS	4/20/11
COMMENTS/FLOOR PLAN	5/11/11
FLOOR PLAN	5/12/11

PROPOSED APARTMENT COMPLEX
LIGHTING PHOTOMETRIC PLAN
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

RECEIVED
JUN 01 2011
Town of Bethlehem
Planning Board

FILE: 090293
SCALE: AS SHOWN
CHK: DRH
BY: AS
DATE: 1/12/2010
090293-8

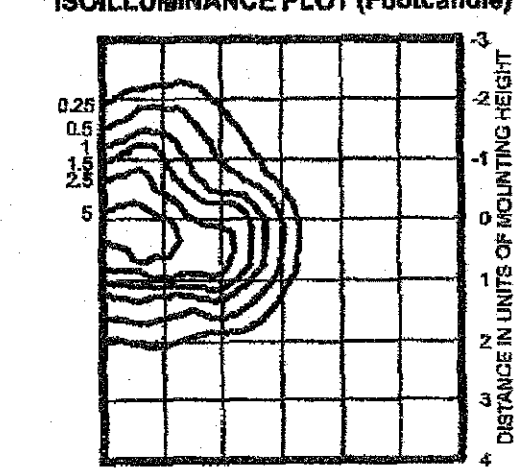
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C-10

KSF1 Arm-Mounted Rectilinear Cutoff Lighting

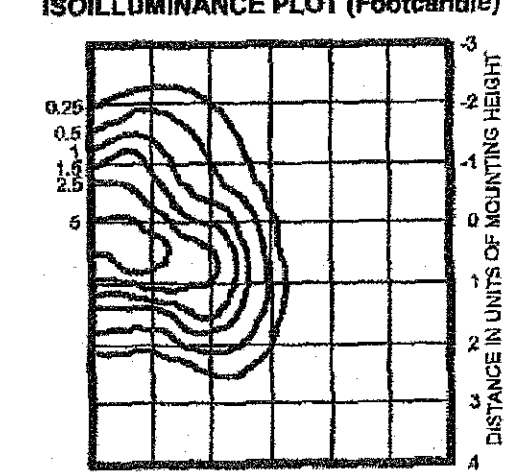
Coefficient of Utilization
Initial Footcandle

KSF1 250M R2 TEST NO: 1194080301P
ISOILLUMINANCE PLOT (Footcandle)



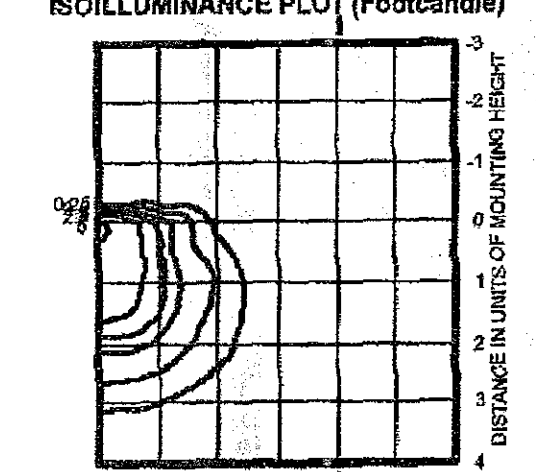
250W pulse start metal halide lamp, rated 22500 lumens. Footcandle values based on 20' mounting height.
Classification: Type II, Short, Full Cutoff

KSF1 250M R3 TEST NO: 1194080302P
ISOILLUMINANCE PLOT (Footcandle)



250W pulse start metal halide lamp, rated 22500 lumens. Footcandle values based on 20' mounting height.
Classification: Type II, Short, Full Cutoff

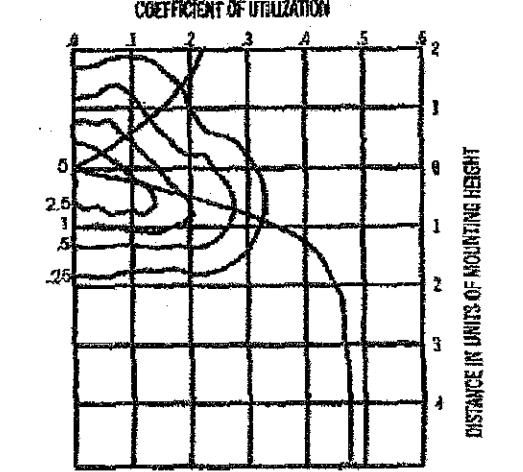
KSF1 250M R4SC TEST NO: 1194080301P
ISOILLUMINANCE PLOT (Footcandle)



250W pulse start metal halide lamp, rated 22500 lumens. Footcandle values based on 20' mounting height.
Classification: Type IV, Very Short, Full Cutoff

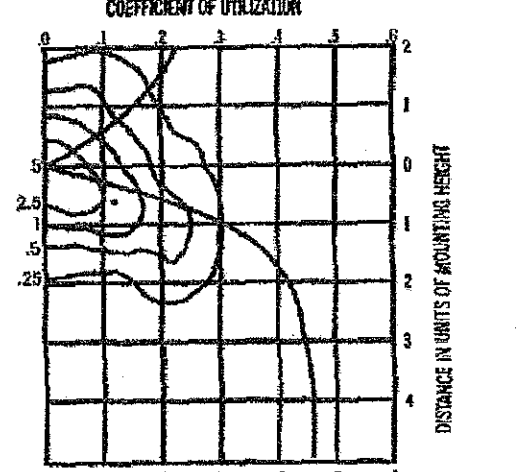
LIGHTING SL1

KSF1 150S R2 TEST NO: 1194090802
COEFFICIENT OF UTILIZATION



150W high pressure sodium lamp, 20000 rated lumens. Footcandle values based on 35' mounting height, Distribution II, full cutoff.

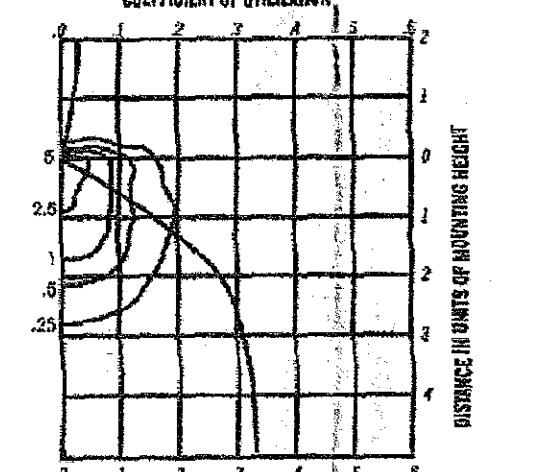
KSF1 150S R3 TEST NO: 1194091803
COEFFICIENT OF UTILIZATION



150W high pressure sodium lamp, 18000 rated lumens. Footcandle values based on 35' mounting height, Distribution III, full cutoff.

LIGHTING SL1A

KSF1 150S R4SC TEST NO: 1194091802
COEFFICIENT OF UTILIZATION



150W high pressure sodium lamp, 18000 rated lumens. Footcandle values based on 35' mounting height, Distribution IV, full cutoff.

- NOTES:
- Photometric data for other distributions can be accessed from the Lithonia Lighting website, www.lithonia.com
 - For electrical characteristics, consult outdoor technical data specification sheets on www.lithonia.com.
 - Tested to current IES and MESA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change.

Mounting Height Correction Factor

(Multiply the ft level by the correction factor)

35' mounting height	20' mounting height
15 ft = 1.78	30 ft = 0.45
30 ft = 1.36	40 ft = 0.25
40 ft = 0.77	

(Existing Mounting Height) - Correction Factor = New Mounting Height



FEATURES & SPECIFICATIONS

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Fabricated shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with oil drill-mount poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

FINISH — Must specify finish.

GROUNDING — Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

ANCHOR BOLTS — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Catalog Number	SSS 15 4C DM19 DDB
Notes	
Type	SL1



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

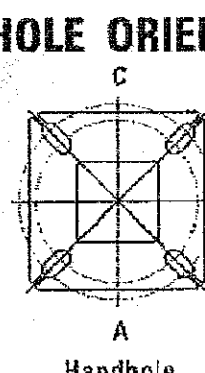
ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDB

SSS	15	4C	DM19	DDB
Series	SSS	Nominal fixture mounting height	Nominal shaft base size/ wall thickness	Mounting ¹
SSS	10-39 feet (see back page)	(See back page)	Tension mounting ²	Shipped, installed
			P1 Open top	LAD Base anchor bolts
			T20 2-3/8" O.D. (2" NPS)	VD Vibration damper
			T25 2-7/8" O.D. (2-1/2" NPS)	TP Tamper proof
			T30 3-1/2" O.D. (3" NPS)	HT-1850x Horizontal arm bracket (1 fixture) ^{3,4}
			T35 4" O.D. (3-1/2" NPS)	FDLx Follower outlet less electrical ⁵
			Drill mounting ⁶	CPL12x 1/2" coupling ⁴
			DM19 1 at 90°	CPL34x 3/4" coupling ⁴
			DM19 2 at 180°	CPL1x 1" coupling ⁴
			DM2PL 2 at 180° with one side plugged	NPL12x 1/2" threaded nipple ⁴
			DM29 2 at 90°	NPL24x 3/4" threaded nipple ⁴
			DM29 3 at 90°	NPL1x 1" threaded nipple ⁴
			DM29 4 at 90°	EHX Extra handhole ^{4,6}
			DM29 4 at 90°	
			AER150° Suspended drill mounting ^{4,5}	
			DM29AS 1 at 90°	
			DM29AS 2 at 180°	
			DM29AS 2 at 90°	
			DM29AS 3 at 90°	
			DM29AS 4 at 90°	
			AER150° Suspended drill mounting ^{4,5}	
			DM19ASST 1 at 90°	
			DM2ASST 2 at 180°	
			DM2ASST 2 at 90°	
			DM2ASST 3 at 90°	
			DM2ASST 4 at 90°	
			DM29MRT 1 at 90°	
			DM29MRT 2 at 180°	
			DM29MRT 2 at 90°	
			DM29MRT 3 at 90°	
			DM29MRT 4 at 90°	

- NOTES:
- When ordering tension mounting and drill mounting for the same pole, follow this example: DM29/2PL. The combination includes a required extra handhole.
 - The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
 - Insert "1" or "2" to designate fixture size; e.g. DM19ASST2.
 - Specify location and orientation when ordering option.
 - Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
Specify orientation from handhole (A,B,C,D)
For 2nd and 3rd:
Refer to the Handhole Orientation diagram above.
 - Horizontal arm is 18" x 2-3/8" O.D. tension standard.
 - Combination of tension-top and drill mount includes extra handhole.
 - Additional colors available; see www.lithonia.com/architectural or Architectural Colors brochure (Form No. 794.3). Powder finish standard.



ESF1	150M	RLC R2	TB	SCWA	SP04
Series	ESF1	RLC R2	TB	SCWA	SP04
Material	Metal halide	RLC R2	TB	SCWA	SP04
100W	125W	200W	120 347	120 347	120 347
150W	250W	250W	200 480	200 480	200 480
Ceramic metal halide	100W/125W	200W/250W	240 570	240 570	240 570
High pressure sodium	100W/125W	200W/250W	277 230/360/2	277 230/360/2	277 230/360/2
705	1005	2005			
1505					
Notes:					
1. Not available with SCWA.					
2. These wattages do not comply with California Title 20 regulations.					
3. Must be ordered with SCWA.					
4. These wattages apply to the BEC system to be shown for dipstick only. California Title 20 compliance 220W/250W is not available in 3/4" (400W).					
5. Not available with LUP.					
6. Not available with 480V.					
7. Must specify CMI for use in Canada.					
8. Optional multi-tap ballast (120, 200, 240, 270V) (120, 270, 240V) in Canada.					
9. Consult factory for available wattages.					
10. Use "1" arm when two or more luminaires are ordered on a 150" (4800) pole.					
11. Maximum allowable wattage lamp included.					
12. KiloWatt (kW) controls are available only with 1505.					
13. May be ordered as an accessory.					
14. Profile with 1/2" (12.7mm) diameter is an accessory.					
15. Available with R2 and TB dipstick ballast only.					
16. SCWA with ballast includes ballast and ballast wiring.					
17. Ballast included.					
18. Must be specified.					
19. Must use 600V or 601V.					

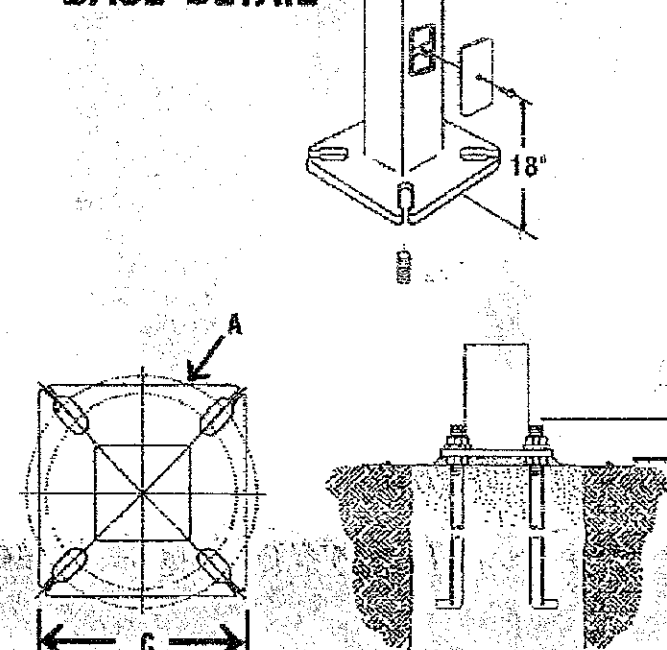
OUTDOOR

KSF1-M-S

SSS Square Straight Steel Poles

TECHNICAL INFORMATION												
EPA (H) with 1.3 gust												
Catalog Number	Nominal shaft length (feet)	Pole Shaft Size (in x ft)	Wall Thickness (inches)	Gauge	80 mph weight	Max. weight	90 mph weight	Max. weight	100 mph weight	Max. weight	Bolt Circle (inches)	Bolt Size (in x in)
SSS 10 4C	10	4.0 x 10.0	0.125	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 16 x 3
SSS 12 4C	12	4.0 x 12.0	0.125	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 16 x 3
SSS 14 4C	14	4.0 x 14.0	0.125	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 16 x 3
SSS 16 4C	16	4.0 x 16.0	0.125	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 16 x 3
SSS 18 4C	18	4.0 x 18.0	0.125	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 16 x 3
SSS 20 4C	20	4.0 x 20.0	0.125	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 16 x 3
SSS 20 4G	20	4.0 x 20.0	0.188	7	14.0	350	11.0	275	8.0	200	8-9	3/4 x 30 x 3
SSS 20 5C	20	5.0 x 20.0	0.125	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4
SSS 20 5G	20	5.0 x 20.0	0.188	7	26.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4
SSS 25 4C	25	4.0 x 25.0	0.125	11	4.8	150	2.6	100	1.0	50	8-9	3/4 x 16 x 3
SSS 25 4G	25	4.0 x 25.0	0.188	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3
SSS 25 5C	25	5.0 x 25.0	0.125	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4
SSS 25 5G	25	5.0 x 25.0	0.188	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4
SSS 30 4C	30	4.0 x 30.0	0.188	7	6.0	150	4.0	100	2.5	75	8-9	3/4 x 30 x 3
SSS 30 5C	30	5.0 x 30.0	0.125	11	4.7	150	2.0	50	—	—	10-12	1 x 36 x 4
SSS 30 5G	30	5.0 x 30.0	0.188	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4
SSS 30 6G	30	6.0 x 30.0	0.188	7	19.0	473	13.2	330	9.0	225	11-13	1 x 36 x 4
SSS 35 5G	35	5.0 x 35.0	0.188	7	5.9	150	2.5	100	—	—	10-12	1 x 36 x 4
SSS 35 6G	35	6.0 x 35.0	0.188	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4
SSS 39 6G	39	6.0 x 39.0	0.188	7	7.2	181	3.0	75	—	—	11-13	1 x 36 x 4

BASE DETAIL



IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

IMPORTANT:

- These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for car lots, street lighting or parking areas.

CONSTRUCTION — Rugged, .063" thick, aluminum rectilinear housing. Formed for weather-tight seal and integrity. Naturally anodized, extruded aluminum door frame with reinforced corners, is retained with two .188" diameter hinge pins and secured with one quarter-turn, quick-release fastener. Weatherproof seal between housing and door frame is accomplished with an integrally designed, extruded silicone gasket that snaps into the door frame, and another gasket applied to the housing.

Finish: Standard finish is dark bronze (008), polyester powder finish with other architectural colors available.

OPTICS — Reflectors are anodized and segmented for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Three cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw, sharp cutoff). Lens is .125" thick impact-resistant tempered glass with thermally applied silk-screened shield.

ELECTRICAL — Ballast: High pressure sodium: 70-150W & high-reaction, high power factor. Constant wattage autotransformer for 200-250W. Metal halide: 100-150W is high-reaction, high power factor and standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-200W. Super CWA (pulse start ballast), 88% efficient and EISA regulation compliant, is required for 151-200W (SCWA option) for U.S. shipments only. CSA or IHL required for probe-start shipments outside the U.S. Pulse-start ballast (SCWA) required for 200W.

Ballasts are 100% factory-tested.

Socket is porcelain, horizontally mounted medium base socket for 70-150W and position-oriented mogul base socket for 175W and above, with copper alloy, nickel-plated screw shell and center contact. UL listed 150W-400W.

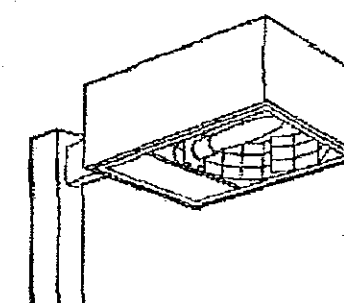
INSTALLATION — Extruded aluminum arm for pole or wall mounting is shipped in fixture carton. Optional mountings available.

LISTING — UL listed for wet locations. Listed and labeled to comply with Canadian standards (see Options).

Note: Specifications subject to change without notice.

For shortest lead times, configure product using banded options.

Catalog Number	KSF1 RLC 150M R2 TB SCWA SP04 DDB
Notes	
Type	SL1



Specifications

ENL: 1.5 ft (14 m)
(includes arm)
Length: 21-1/4 (54.0)
Width: 15-1/2 (39.3)
Depth: 7-1/4 (18.4)
Arm: 4 (10.2)
Weight: 35 lbs (15.9 kg)
*Weight as configured in example below.
All dimensions are inches (centimeters) unless otherwise specified.

Area Lighting

KSF1

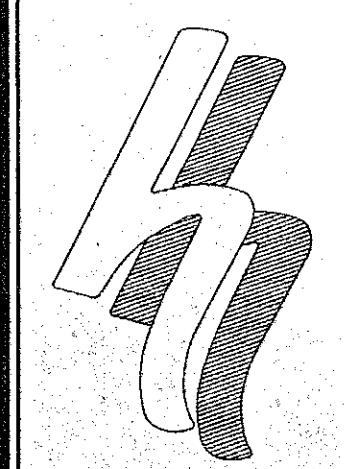
METAL HALIDE: 100-250W

HIGH PRESSURE SODIUM: 70-200W

15' to 25' Mounting

Mounting option	SP04, RP04, DA12P
Drilling template	5
SP04, RP04, DA12P	6
W04x	7

Example: KSF1 150S R3 TB SP04 LPI

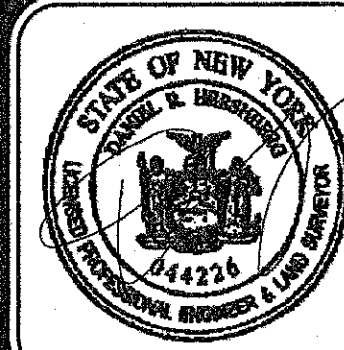


HERSHBERG & HERSHBERG

Consulting Engineers and Land Surveyors

18 Locust Street
Albany, New York 12203

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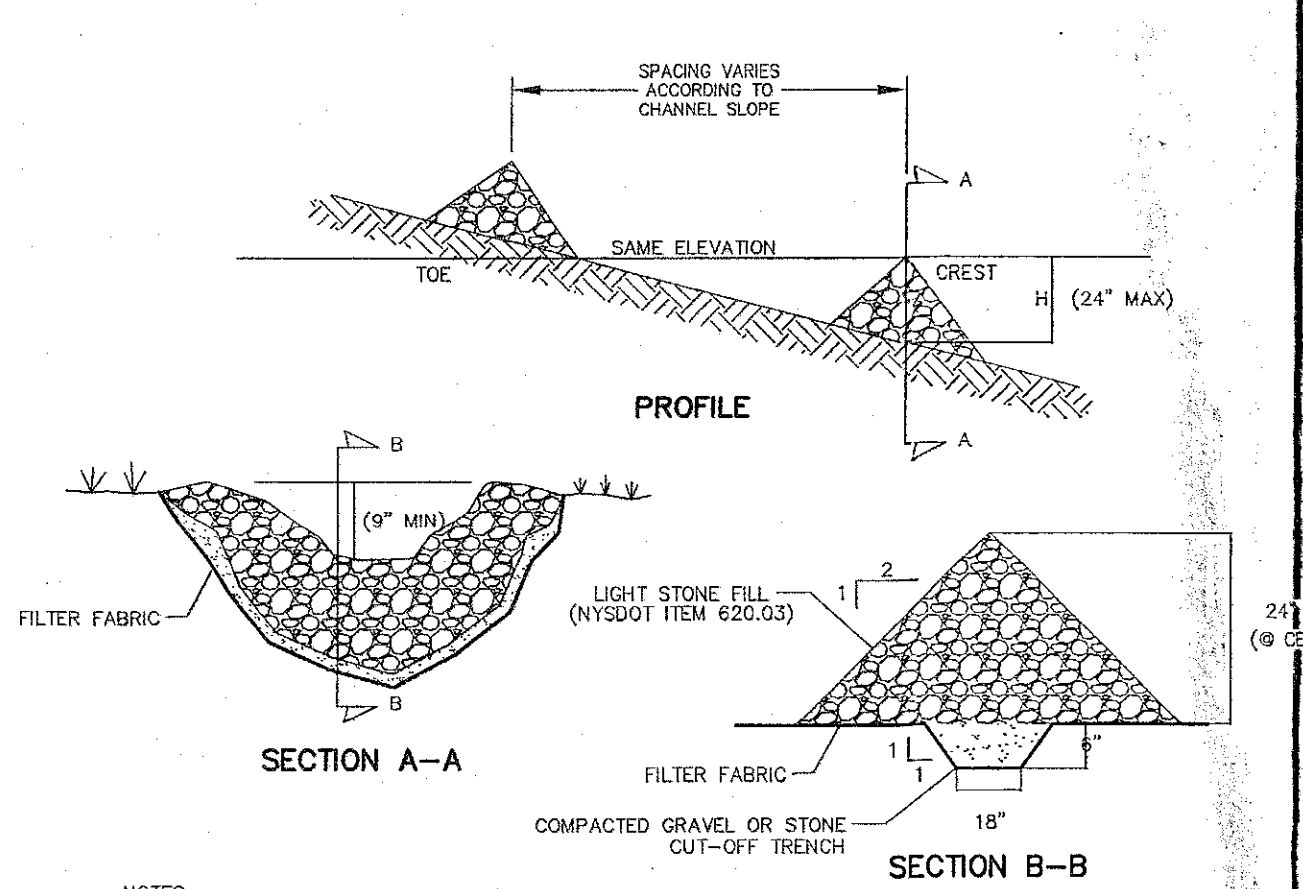
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3/1/11	COMMENT LETTER (2/2/11)
3/28/11	COMMENT LETTER (3/18/11)
4/20/11	GENERAL REVISIONS
5/1/11	COMMENTS/FLOOR PLAN
5/12/11	FLOOR PLAN

PROPOSED APARTMENT COMPLEX
LIGHTING DETAILS
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

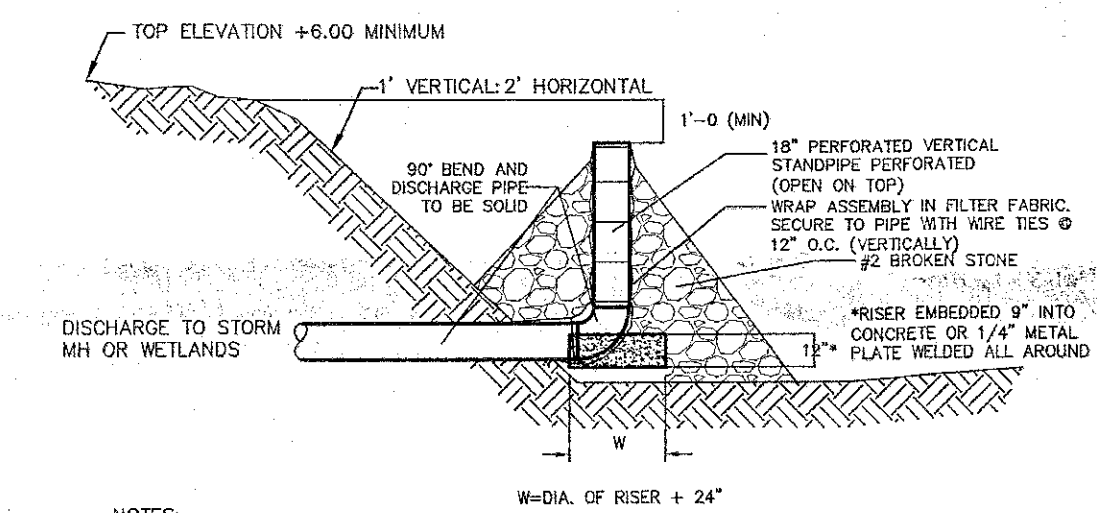
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Town of Bethlehem Planning Board

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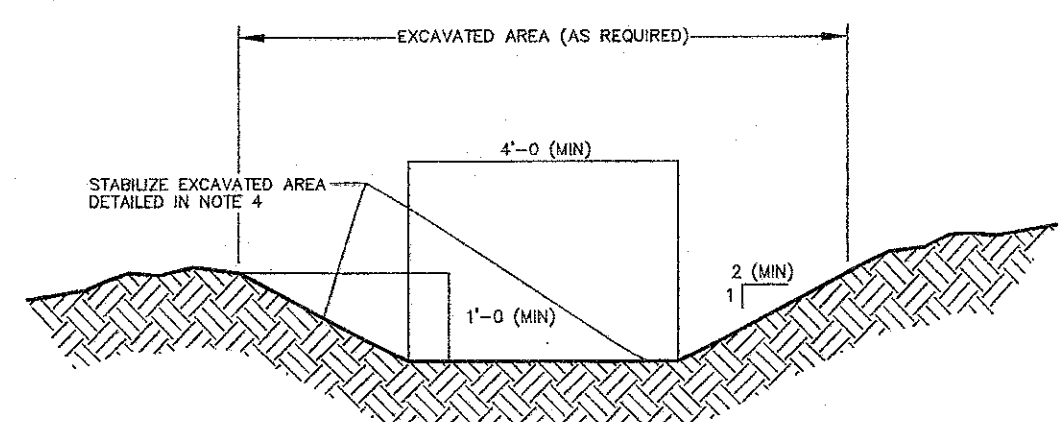
C-11



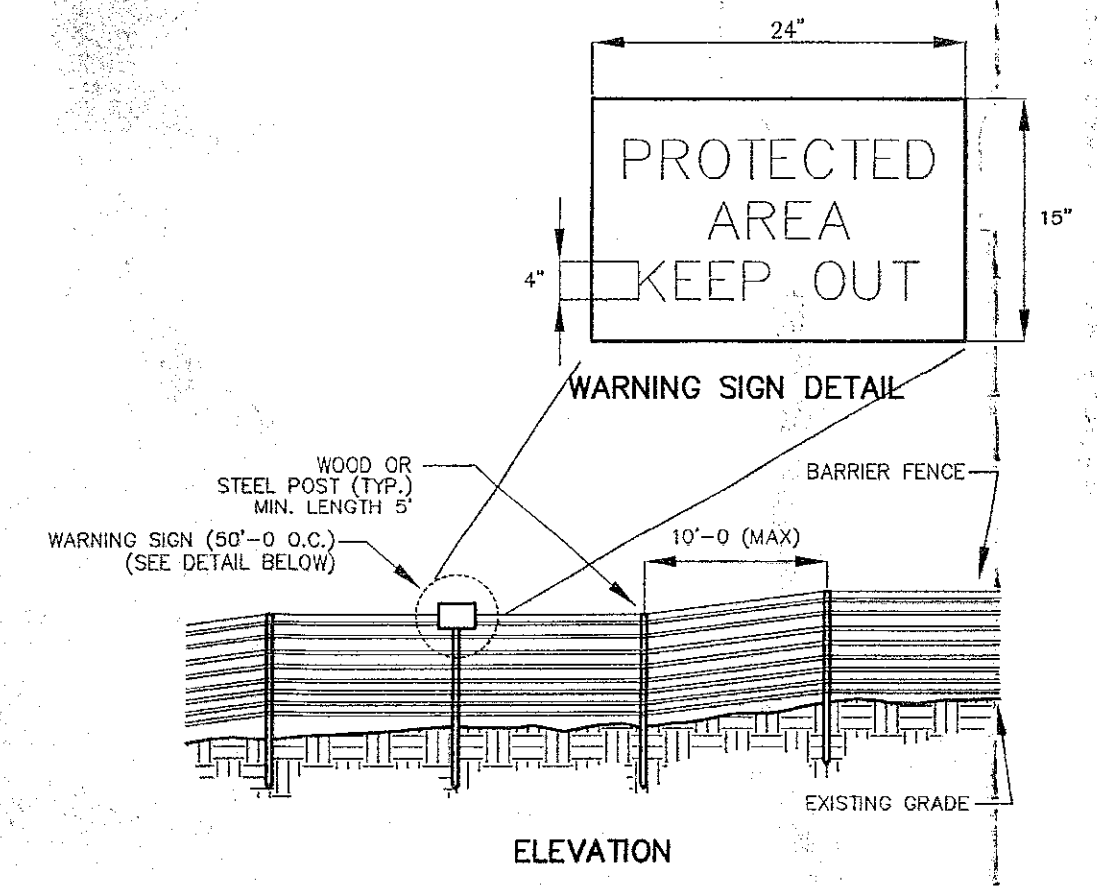
TEMPORARY STONE CHECK DAM DETAIL



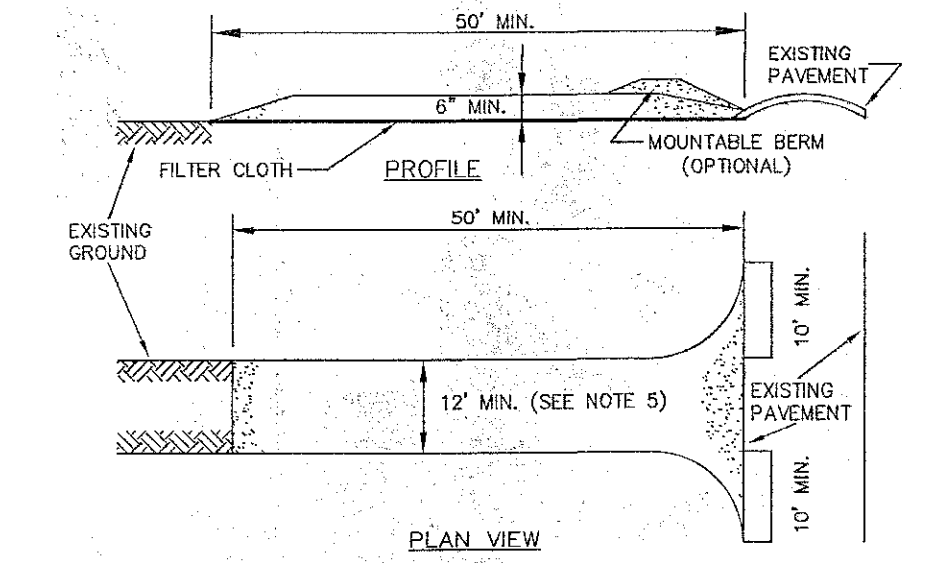
TEMPORARY SEDIMENT TRAP DETAIL



TEMPORARY SWALE DETAIL



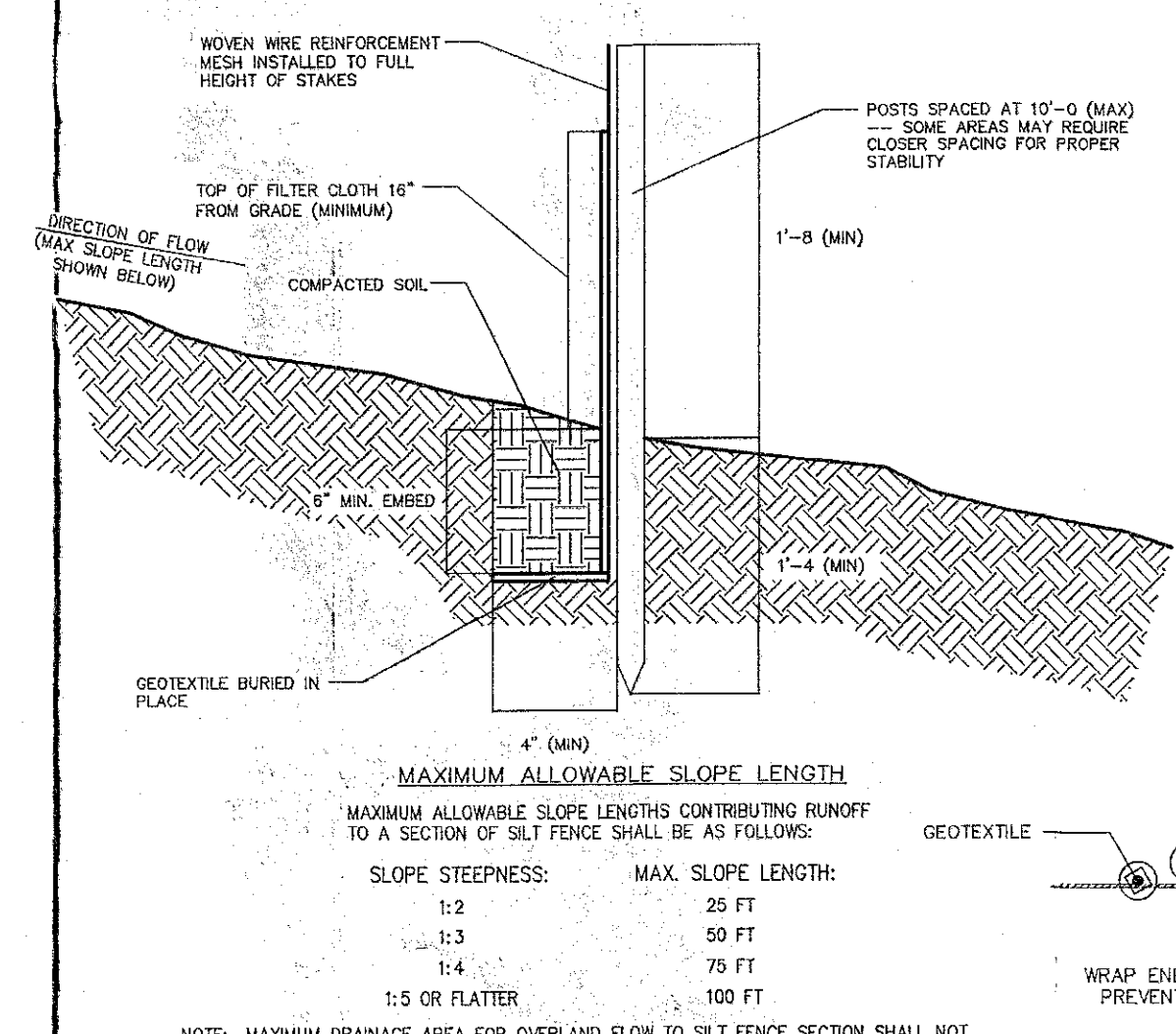
CONSTRUCTION FENCE DETAIL (PROTECTED AREA ONLY)



CONSTRUCTION SPECIFICATIONS

1. INSTALL CONSTRUCTION ENTRANCE IN ACCORDANCE WITH 'NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL', SECTION 7A.
2. STONE SIZE - USE 2\"/>
3. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
4. THICKNESS - NOT LESS THAN (6) INCHES.
5. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. IF CONSTRUCTED AS THE ONLY ENTRANCE TO THE SITE, WIDTH SHALL BE TWENTY-FOUR (24) FEET.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FIRED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL



MAXIMUM ALLOWABLE SLOPE LENGTH

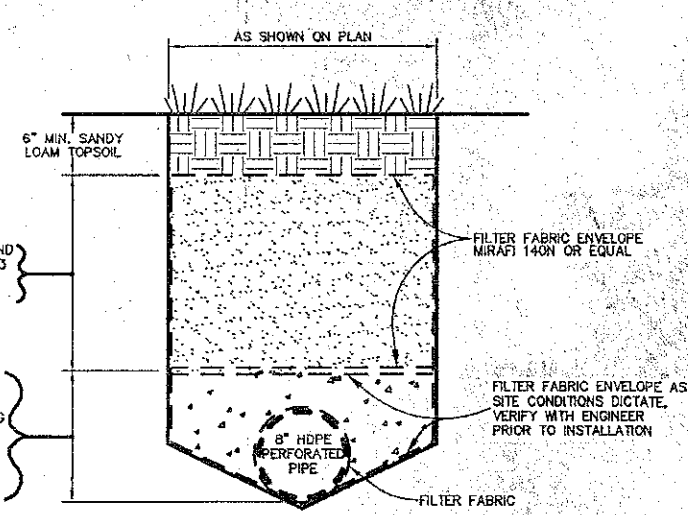
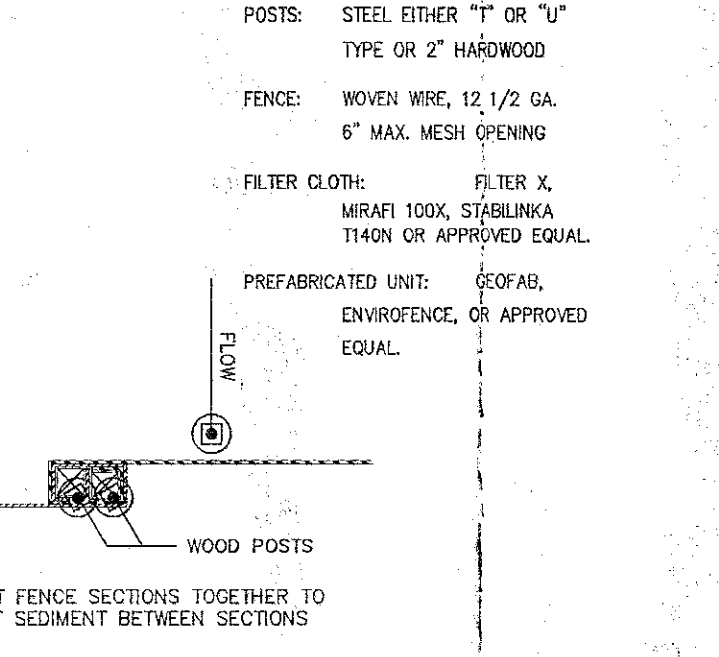
CHANNEL GRADE:	REQUIRED SURFACE TREATMENT:
A 0.5 - 3.0%	SEED & STRAW MULCH
B 3.1 - 5.0%	SEED & STRAW MULCH
C 5.1 - 8.0%	SEED AND COVER WITH JUTE, SOO OR LINE WITH 2\"/>
D 8.1 - 20%	LINE WITH LIGHT STONE FILL

NOTE: MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO SILT FENCE SECTION SHALL NOT EXCEED 1/4 ACRE PER 100 FT OF FENCE. CONCENTRATED DISCHARGE OF SEDIMENT LADEN WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY TO THE FENCING.

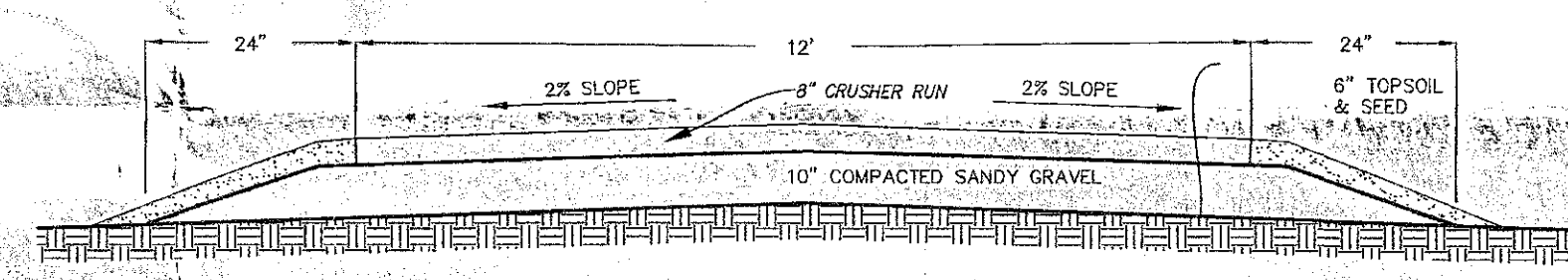
SEDIMENT CONTROL FENCE INSTALLATION DETAIL

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

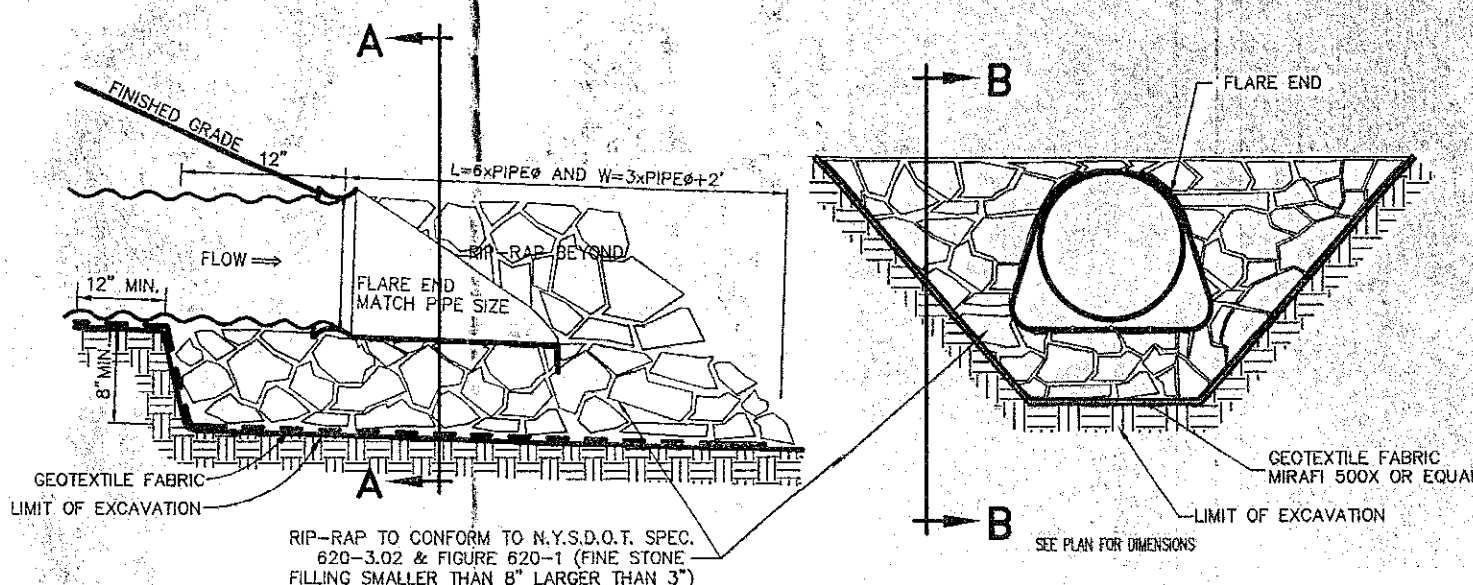
1. INSTALL SILT FENCE IN ACCORDANCE WITH THE 'NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL', SECTION 7A.
2. WOVEN WIRE FENCE SHALL BE 12 1/2 GA., 6\"/>
3. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>
4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE WRAPPED TOGETHER PER DETAIL 4 ON THIS PAGE.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN ACCUMULATION REACHES 1/2 OF DESIGN CAPACITY OF FENCE (1/2 HEIGHT OF FILTER FABRIC) OR WHEN 'BULGES' DEVELOP IN FENCING.



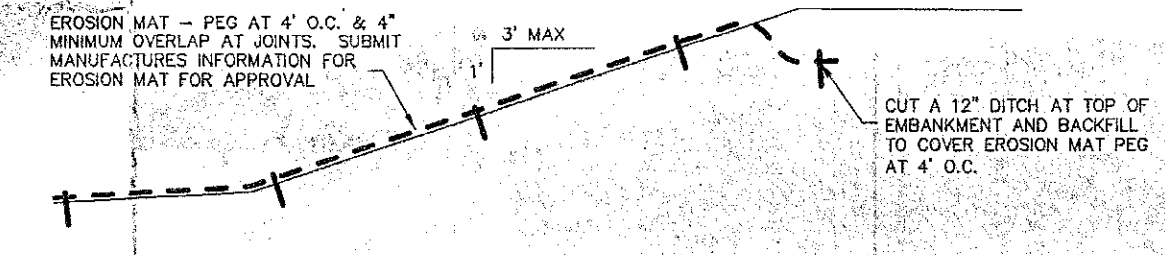
SAND FILTER BED SECTION DETAIL



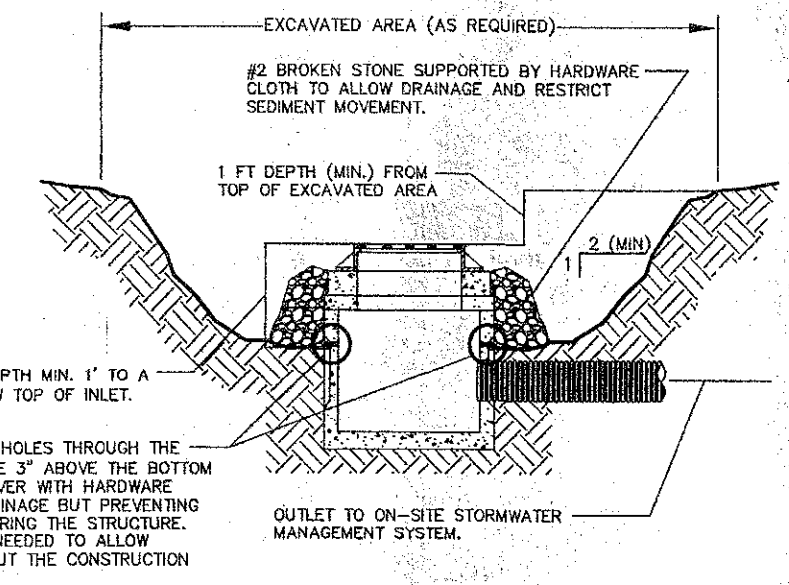
MAINTENANCE ROAD DETAIL



SECTION B-B FLARE END SECTION DETAIL

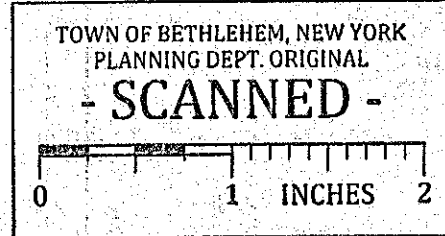


STABILIZED SLOPE DETAIL



1. INSTALL INLET PROTECTION IN ACCORDANCE WITH THE 'NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL', SECTION 7A FOR ALL STRUCTURES THAT WILL BE COLLECTING RUNOFF DURING CONSTRUCTION.
2. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
3. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
4. WEAP HOLES SHALL BE PROTECTED BY 2\"/>
5. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEAP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.
6. THE MAXIMUM DRAINAGE AREA SHALL BE 1 ACRE.
7. THE STORAGE VOLUME OF THE EXCAVATED AREA SHALL BE 900 CUBIC FEET. EXAMPLES: A BASIN 22 FT WIDE BY 22 FT LONG BY 2 FT DEEP, OR A BASIN 30 FT WIDE BY 30 FT LONG BY 1 FT DEEP, OR A BASIN 13 FT WIDE BY 30 FT LONG BY 2 FT DEEP, ETC.

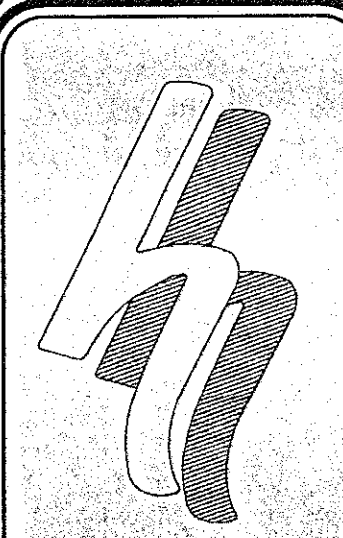
EXCAVATED DROP INLET PROTECTION



TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

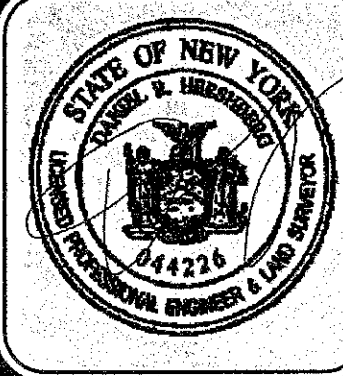
PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved: *[Signature]*
Title: CHAIRMAN
Date: 6/13/2011 SPA-172



HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

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DATE	REVISIONS
12/20/10	GENERAL REVISIONS
2/4/11	GENERAL REVISIONS
3/3/11	GENERAL REVISIONS
5/28/11	COMMENT LETTER (3/18/11)
5/11/11	COMMENTS/FLOOR PLAN
5/12/11	FLOOR PLAN

SWPPP DETAILS
PROPOSED APARTMENT COMPLEX
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
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NOTES: SOIL RESTORATION

- 1) APPLY 3 INCHES OF COMPOST OVER SUBSOIL
- 2) TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR MOUNTED DISC, OR TILLER, MIXING AND CIRCULATING AIR AND COMPOST INTO SUBSOILS
- 3) ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEARED OFF THE SITE
- 4) APPLY TOPSOIL TO A DEPTH OF 6 INCHES
- 5) VEGETATE AS REQUIRED BY APPROVED PLAN

SIGN DETAIL FOR SWPPP #1 AND #3
NOT TO SCALE

SIGN DETAIL FOR SWPPP #2
NOT TO SCALE

STORMWATER MANAGEMENT FACILITY #1

SCALE: 1"=10'

STORMWATER MANAGEMENT FACILITY #2

SCALE: 1"=10'

STORMWATER MANAGEMENT FACILITY #3

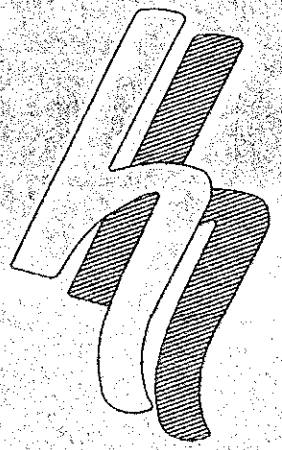
SCALE: 1"=10'

STORMWATER POLLUTION PROTECTION SURFACE
SAND FILTER DETAIL

NOT TO SCALE

STORMWATER POLLUTION PROTECTION SURFACE
SAND FILTER DETAIL CROSS SECTION

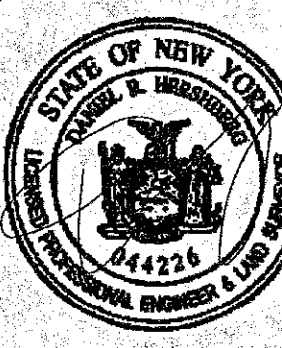
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PROPOSED APARTMENT COMPLEX
SWPPP PROFILES
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

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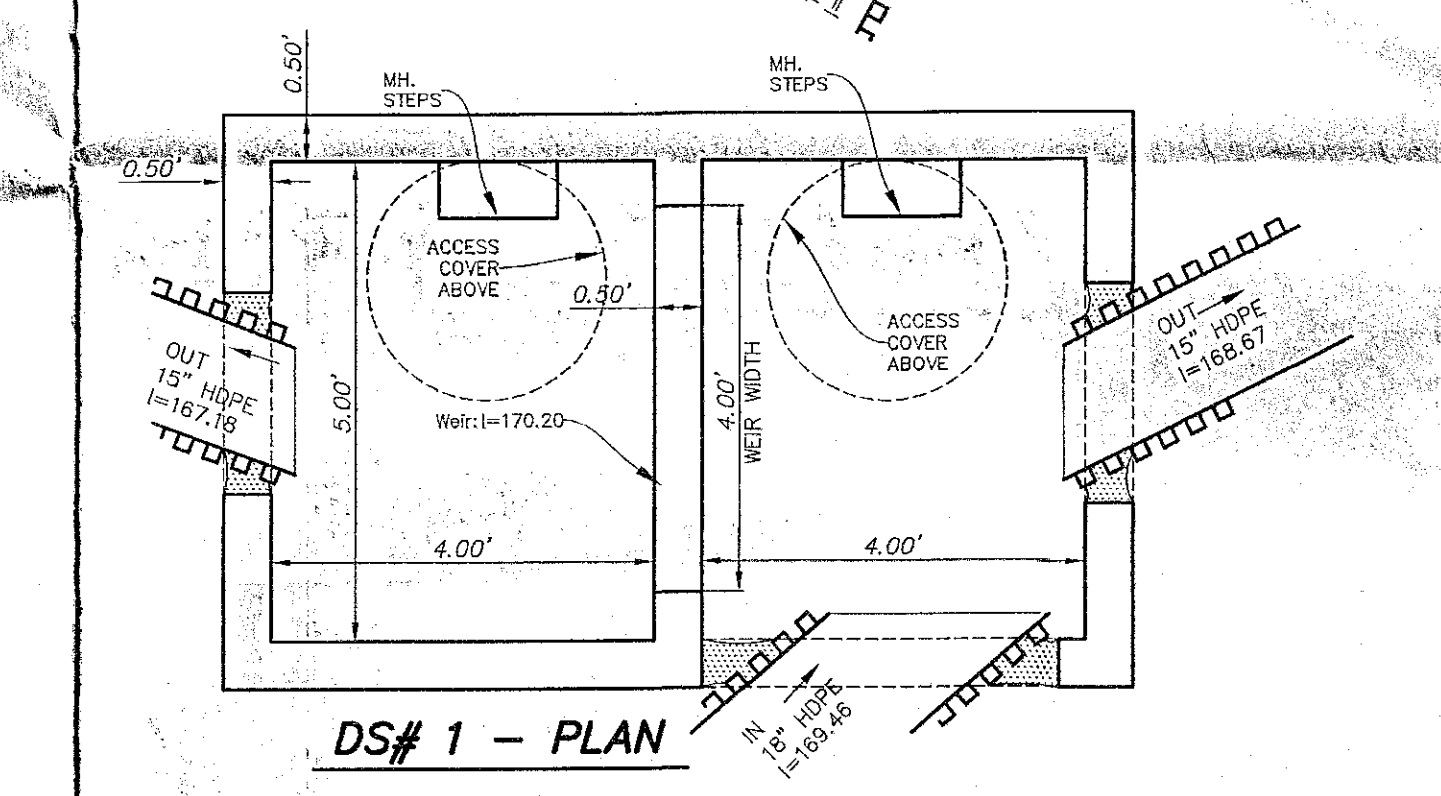
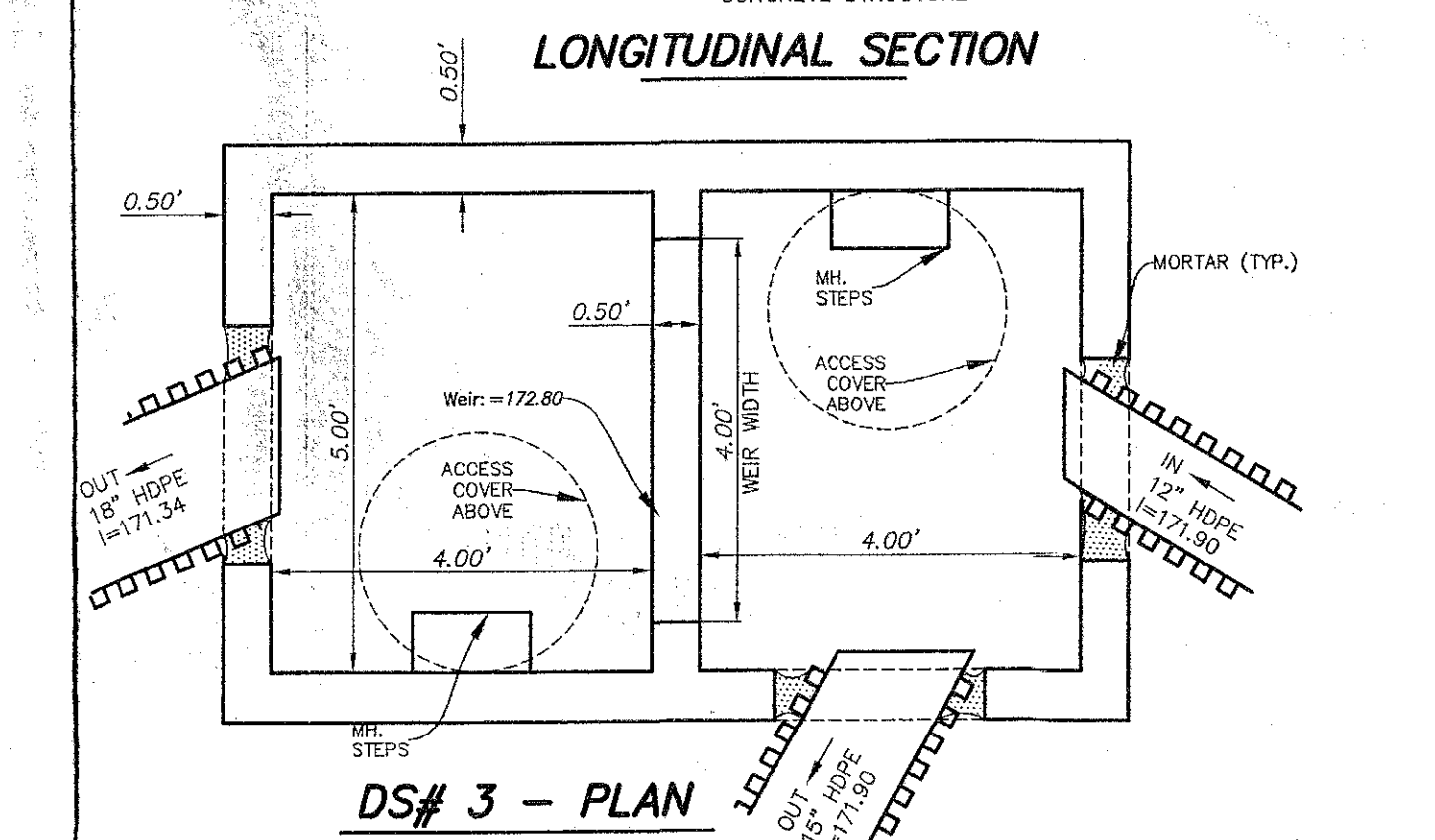
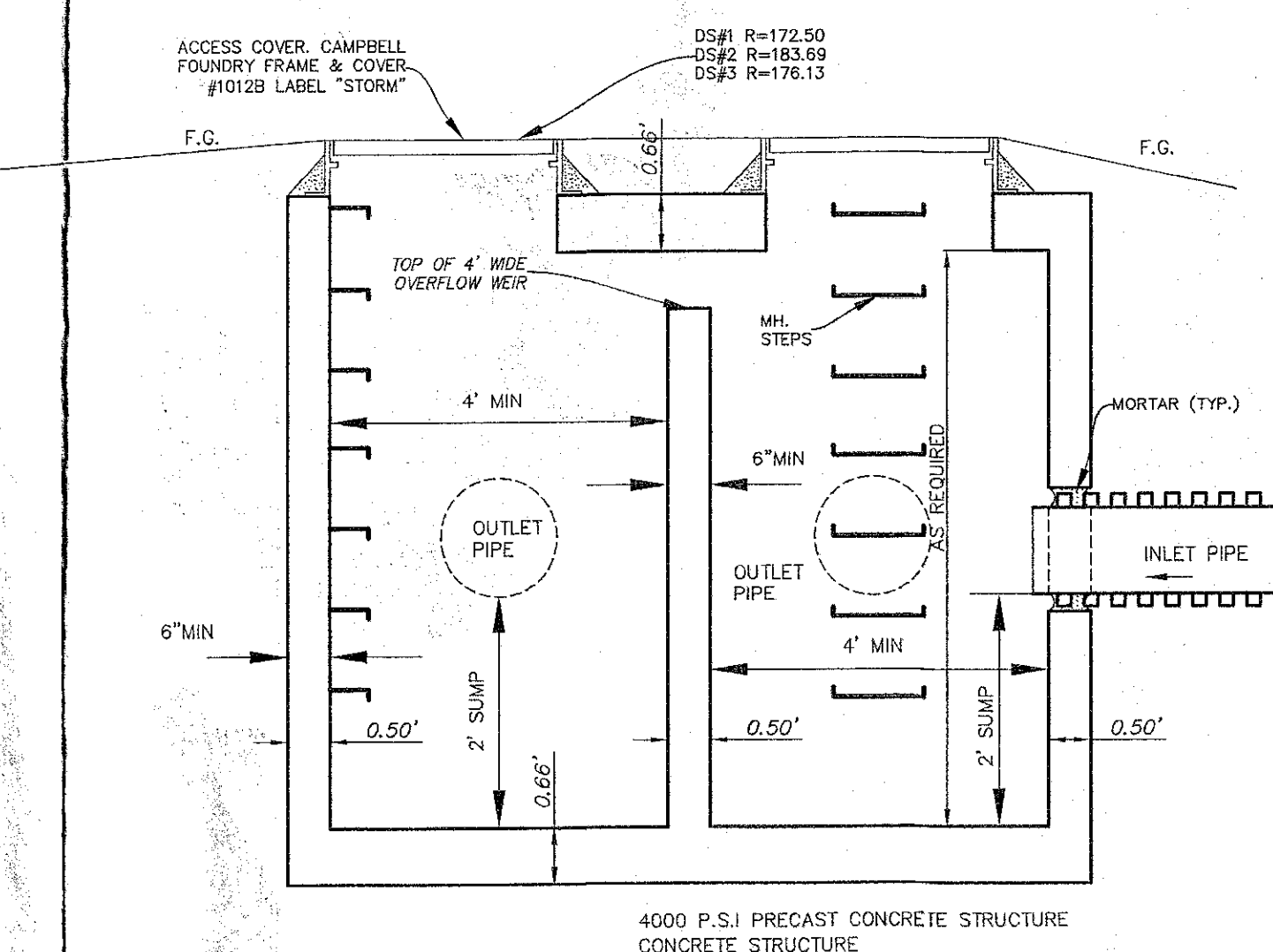
C-13

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LATEST EDITION OF NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. (aka. THE BLUE BOOK) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. IT IS THE INTENT OF THESE PLANS AND NOTES TO BE USED AS A GUIDE BY THE CONTRACTOR TO ENSURE THAT NO ERODED MATERIAL MIGRATES FROM THE SITE OR ENTERS ANY WATER COURSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THIS GOAL IS MET, BY IMPLEMENTING THESE PLANS AND ANY ADDITIONAL MEANS THAT MAY BE NECESSARY. FURTHER MEASURES MAY BE REQUIRED BY THE CITY, VILLAGE, OR TOWN ENGINEER, WHILE MANY OF THE EROSION CONTROL DETAILS CONTAINED WITHIN THESE PLANS ARE TAKEN DIRECTLY FROM THE BLUE BOOK, THE CONTRACTOR SHOULD CONSIDER ANY OF THE DETAILS CONTAINED IN SECTION 7A OF THE BLUE BOOK AS ACCEPTABLE PRACTICE IN THE APPROPRIATE APPLICATION.
3. THE DEVELOPER/CONTRACTOR OR HIS BUILDER SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT THROUGH THE ENTIRE DEVELOPMENT PROCESS. TO ASSURE PROPER FUNCTION, SITUATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION. ALL SEDIMENT ACCUMULATED SHALL BE REMOVED AND CONTAINED IN APPROPRIATE SPOIL AREAS. WATER SHALL BE APPLIED TO NEWLY SEEDD AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED. DURING THESE PERIODIC INSPECTIONS, THE FOLLOWING ITEMS SHOULD BE PAID PARTICULAR ATTENTION:
 - A. THE BASIN INLET LOCATIONS SHALL BE INSPECTED FOR SILT ACCUMULATION CAUSED BY THE LACK OF ESTABLISHED SURROUNDING VEGETATION.
 - B. CATCH BASINS SHALL BE CHECKED FOR SEDIMENT ACCUMULATION.
 - C. RIP-RAP OUTLET PROTECTION SHALL ALSO BE CHECKED FOR SEDIMENT ACCUMULATION. IF SIGNIFICANT AMOUNTS OF SEDIMENT ACCUMULATE, RIP-RAP SHALL BE REMOVED AND REPLACED.
 - D. HAY/STRAW BALES AND SILT FENCING SHALL BE INSPECTED REGULARLY FOR UNDERMINING AND DETEIORATION.
 - E. SEEDD/MULCHED AREAS SHALL BE INSPECTED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY.
4. EROSION CONTROL DEVICES SHALL NOT BE REMOVED UNTIL THE CITY, VILLAGE OR TOWN ENGINEER HAS APPROVED FINAL STABILIZATION.
5. CHECK DAMS AND SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH PLAN AND DETAIL LOCATIONS AND AS DESCRIBED IN GPO-008-01.
6. PRIOR TO CONSTRUCTION OF ANY PHASE, THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED.
7. CONSTRUCTION TRAFFIC SHALL NOT CROSS STREAMS OR DITCHES EXCEPT AT SUITABLE CROSSING FACILITIES. EQUIPMENT SHALL NOT OPERATE, UNNECESSARILY, ON ADJACENT PAVED AREAS.
8. EXISTING PAVEMENT AREAS SHALL BE CLEANED AT THE DIRECTION OF THE CITY, VILLAGE, OR TOWN ENGINEER.
9. WATER TRUCKS SHALL BE USED TO MINIMIZE DUST POLLUTION ON SITE, AND ON ADJACENT ROADWAYS ROADWAY AREAS AS DIRECTED BY THE CITY, VILLAGE, OR TOWN ENGINEER.
10. ANY WATER PUMPED AS A RESULT OF DEWATERING ACTIVITIES SHALL BE PUMPED INTO A DEWATERING PIT.
11. CONCRETE WASHOUT AREAS SHALL BE DESIGNATED BY THE DEVELOPER OR CONTRACTOR AND PROTECTED IN ACCORDANCE WITH GPO-008-01.
12. ALL AREAS DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE RE-SEEDD AS SOON AS PRACTICABLE. PARTICULAR CARE SHALL BE TAKEN TO RE-SEED DISTURBED SLOPES IN A TIMELY MANNER.
13. IT IS RECOMMENDED THAT ALL EROSION CONTROL DEVICES BE PLACED FOR THE ENTIRE PHASE AS SHOWN ON THE EROSION CONTROL PLAN. PLACEMENT MAY BE DONE, HOWEVER, TO SUIT CONSTRUCTION SEQUENCING AS APPROVED BY THE TOWN ENGINEER.
14. STOCK PILES SHALL BE PROTECTED BY HAY BALE BERMS PER GPO-008-01. THESE BERMS SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SAID STOCK PILES ARE REMOVED AND STOCK PILING AREAS ARE PERMANENTLY STABILIZED.
15. STOCK PILES SHALL BE SEEDD UPON SUSPENSION OF WORK OR IF MATERIAL IS NOT TO BE USED WITHIN 14 DAYS, IN ACCORDANCE WITH GPO-008-01.
16. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER BODY.
17. SILT FENCING SHALL BE INSTALLED AT THE DOWN GRADIENT PERIMETERS OF ALL SLOPES TO BE GRADED, PRIOR TO GRADING OPERATIONS.
18. SEDIMENT STILLING BASINS SHALL BE UTILIZED TO PREVENT OFF SITE EROSION.
19. THE STORMWATER DETENTION PONDS AND CUT-OFF SWALES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF ADJACENT AREAS.
20. WHERE NECESSARY, TEMPORARY GRADING WILL BE REQUIRED TO ROUTE STORMWATER TO CUT OFF SWALES AND DETENTION PONDS.
21. UPON INSTALLATION OF ANY CATCH BASIN, FILTER FABRIC SHALL BE PLACED UNDER THE GRATE AND SHALL REMAIN UNTIL THE DRAINAGE AREA IS STABILIZED.
22. CLEARING OPERATIONS SHALL BE LIMITED TO ACTIVE WORK AREAS.
23. CARE SHALL BE TAKEN TO PRESERVE AS MUCH EXISTING VEGETATION AS POSSIBLE AND HEALTHY TREES OF DESIRABLE SPECIES SHALL BE PROTECTED.
24. RIP-RAP OUTLET PROTECTION: RIP-RAP SHALL BE PROVIDED AT CULVERT LOCATIONS AS INDICATED ON THESE DRAWINGS. THE RIP-RAP SHALL PROTECT SIDE SLOPES FROM EROSION, AND SHALL BE ESTABLISHED AS THE CULVERT IS INSTALLED.
25. STORM INLET PROTECTION: IMMEDIATELY FOLLOWING COMPLETION OF ANY AND ALL OF THE PROPOSED STORM DRAIN INLETS, STORM DRAIN INLET PROTECTION SHALL BE CONSTRUCTED. THIS PROTECTION SHALL FUNCTION TO PREVENT SEDIMENT ENTRANCE INTO THE STORM DRAINS. PROTECTION SHALL BE MAINTAINED IN GOOD CONDITION UNTIL THE DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED.

EROSION AND SEDIMENT CONTROL NOTES

1. THIS PROJECT IS AUTHORIZED UNDER NYSDEC SPDES GENERAL PERMIT GPO-008-01.
2. ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING AND TRENCHING, SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN GPO-008-01, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DIMINUTE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.
3. AT NO TIME, SHALL MORE THAN FIVE (5) ACRES REMAIN UNSTABILIZED. THE CONTRACTOR SHALL COORDINATE EARTHWORK ACTIVITIES AND IMPLEMENTATION OF SOIL STABILIZATION MEASURES TO ENSURE COMPLIANCE TO THIS PERMIT REQUIREMENT.
4. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.
5. DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OR SUSPENSION OF GRADING OPERATIONS.
6. INSTALL TEMPORARY & PERMANENT SEEDD IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL STANDARD AND SPECIFICATION FOR CRITICAL AREA SEEDD PAGE 3.3 AND FOR MULCHING PAGE 3.31.
7. INSTALL PERMANENT RIP-RAP AT ALL PIPE END SECTIONS AT TIME OF INSTALLATION OF PIPE.
8. DURING EXCAVATION OF TEMPORARY SEDIMENT BASIN, FIELD VERIFY A MINIMUM OF 2' SEPARATION DISTANCE FROM GROUND WATER ELEVATION TO SURFACE SAND FILTERS WITH AN IMPERMEABLE BOTTOM AND 3' WITH A PERMEABLE BOTTOM. NOTIFY ENGINEER IMMEDIATELY IF THESE MINIMUM SEPARATION REQUIREMENTS DO NOT EXIST FOR ALTERNATIVE MEANS OF STORMWATER POLLUTION PREVENTION.
9. SEE REMAINDER OF PLANS FOR PERMANENT IMPROVEMENTS. PERMANENT IMPROVEMENTS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY.
10. PAVED AREAS ARE TO BE SWEEP DAILY TO REMOVE ANY SEDIMENT AND ALL NEWLY PAVED AREAS SHALL BE DIRECTED TO THE TEMPORARY OR FINAL SEDIMENT CONTROL BASINS.

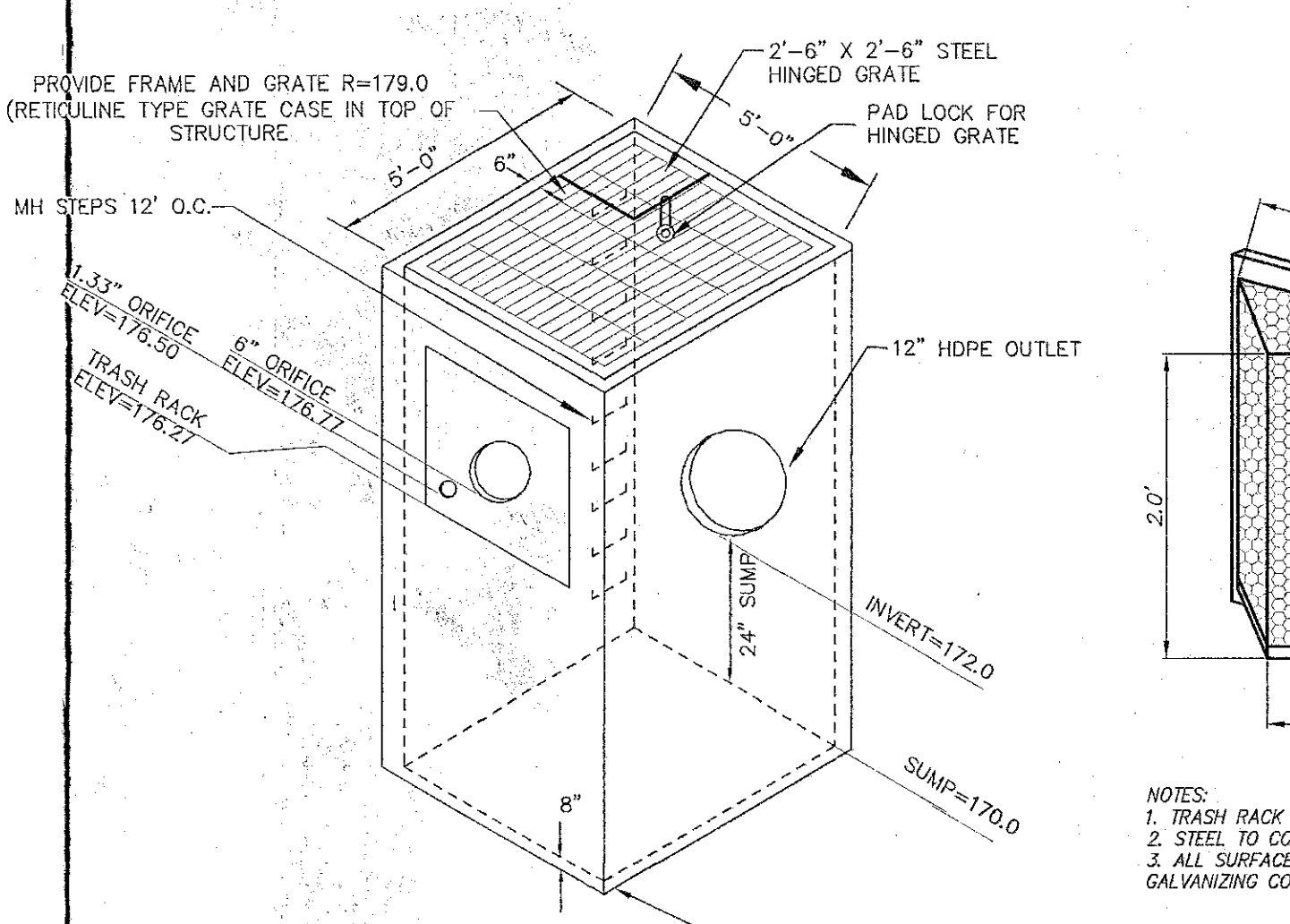


NOTE:
1. 4000 P.S.I. REINFORCED PRECAST CONCRETE STRUCTURE.

1. STRUCTURE MIN. INSIDE DIMENSIONS 4'x5' AND 30\"/>
2. MANHOLE STEPS: M.A. INDUSTRIES OR APPROVED EQUAL STEEL REINFORCED (GRADE 60) COPOLYMER POLYPROPYLENE

DIVERSION STRUCTURE (DS) DETAIL

NOT TO SCALE

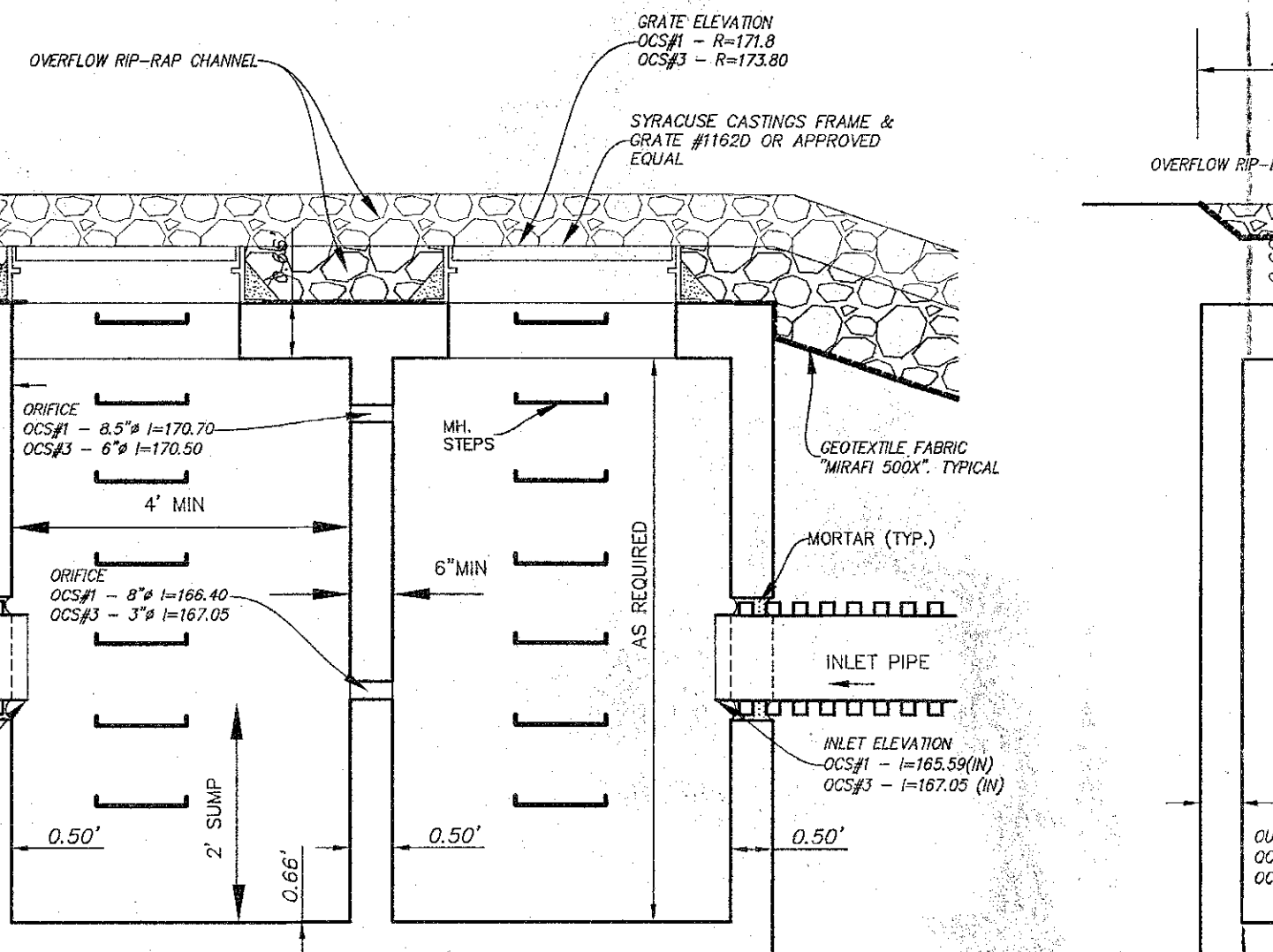


TRASH RACK PROTECTION

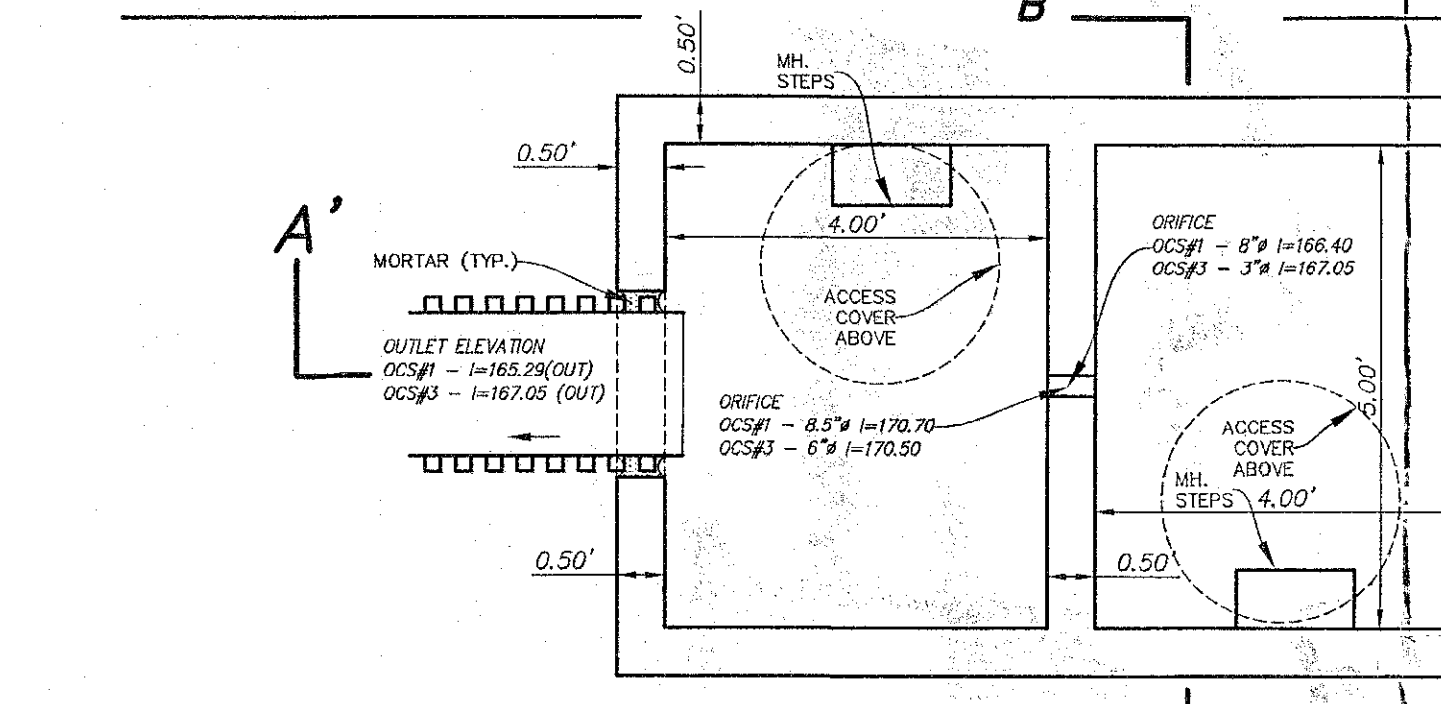
NOT TO SCALE

FOR LOW FLOW ORIFICES

NOT TO SCALE



SECTION A'-A'



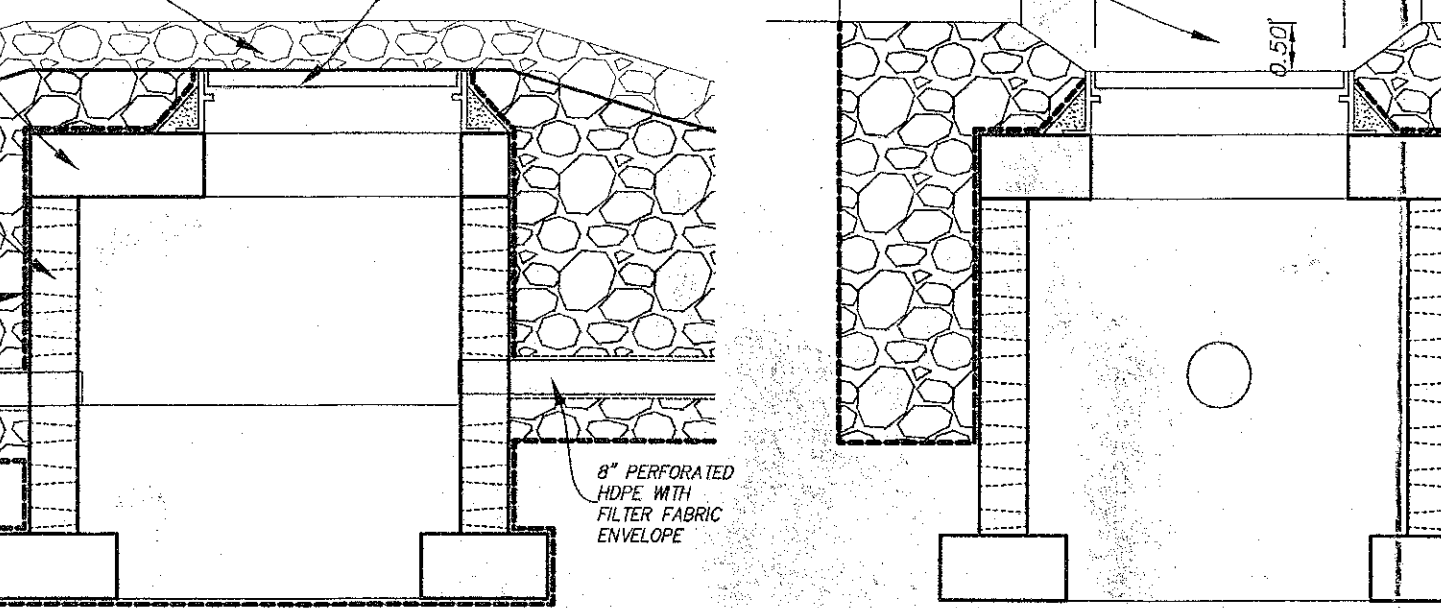
SECTION B'-B'

NOTE:
1. 4000 P.S.I. REINFORCED PRECAST CONCRETE STRUCTURE

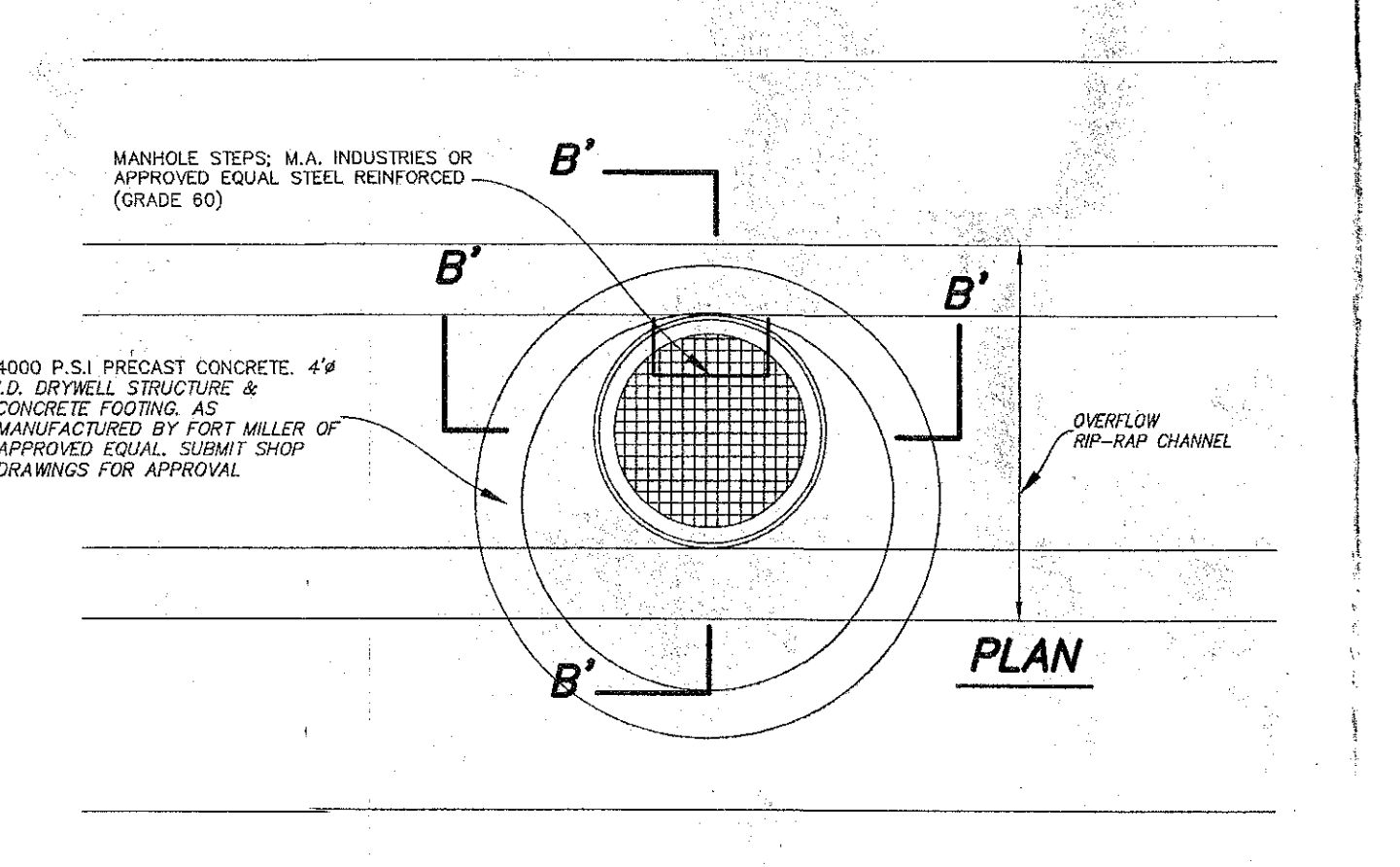
1. STRUCTURE MIN. INSIDE DIMENSIONS 4'x5' AND 30\"/>
2. MANHOLE STEPS: M.A. INDUSTRIES OR APPROVED EQUAL STEEL REINFORCED (GRADE 60) COPOLYMER POLYPROPYLENE

CAST IN PLACE ORIFICE CONTROL STRUCTURE (OCS) DETAIL

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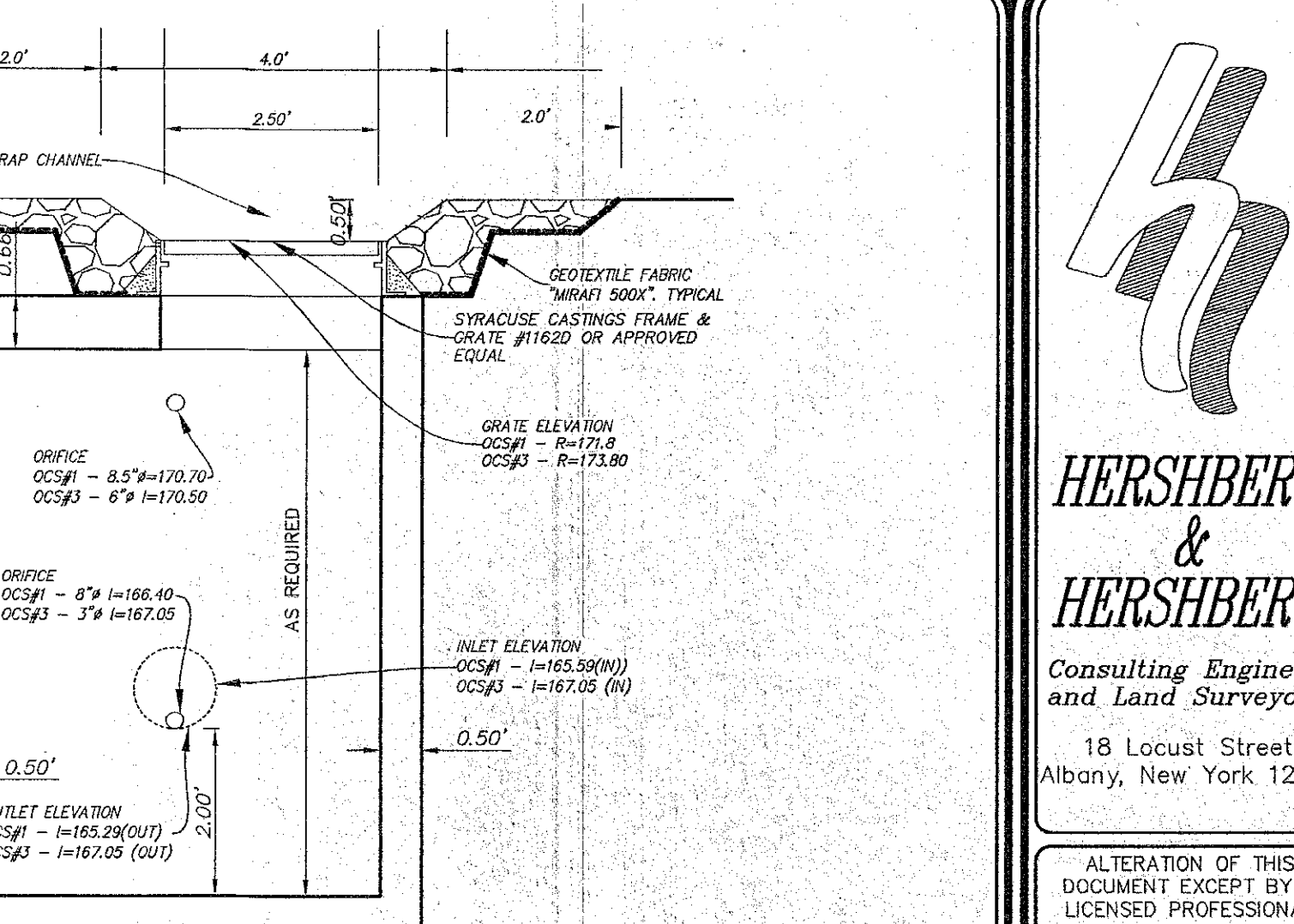


SECTION C'-C'

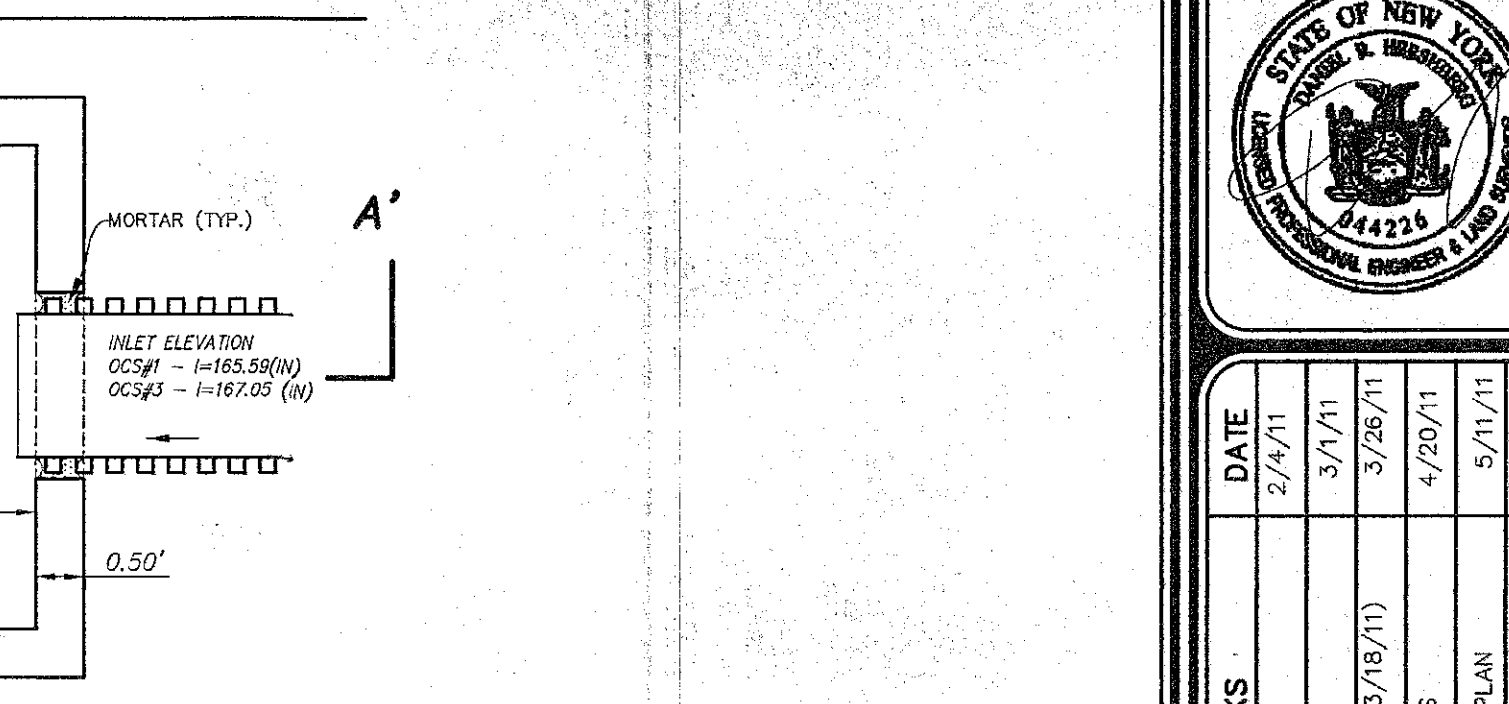


DEFROSTING STRUCTURE DETAIL

NOT TO SCALE



PLAN



PLAN

NOTE:
1. 4000 P.S.I. REINFORCED PRECAST CONCRETE STRUCTURE

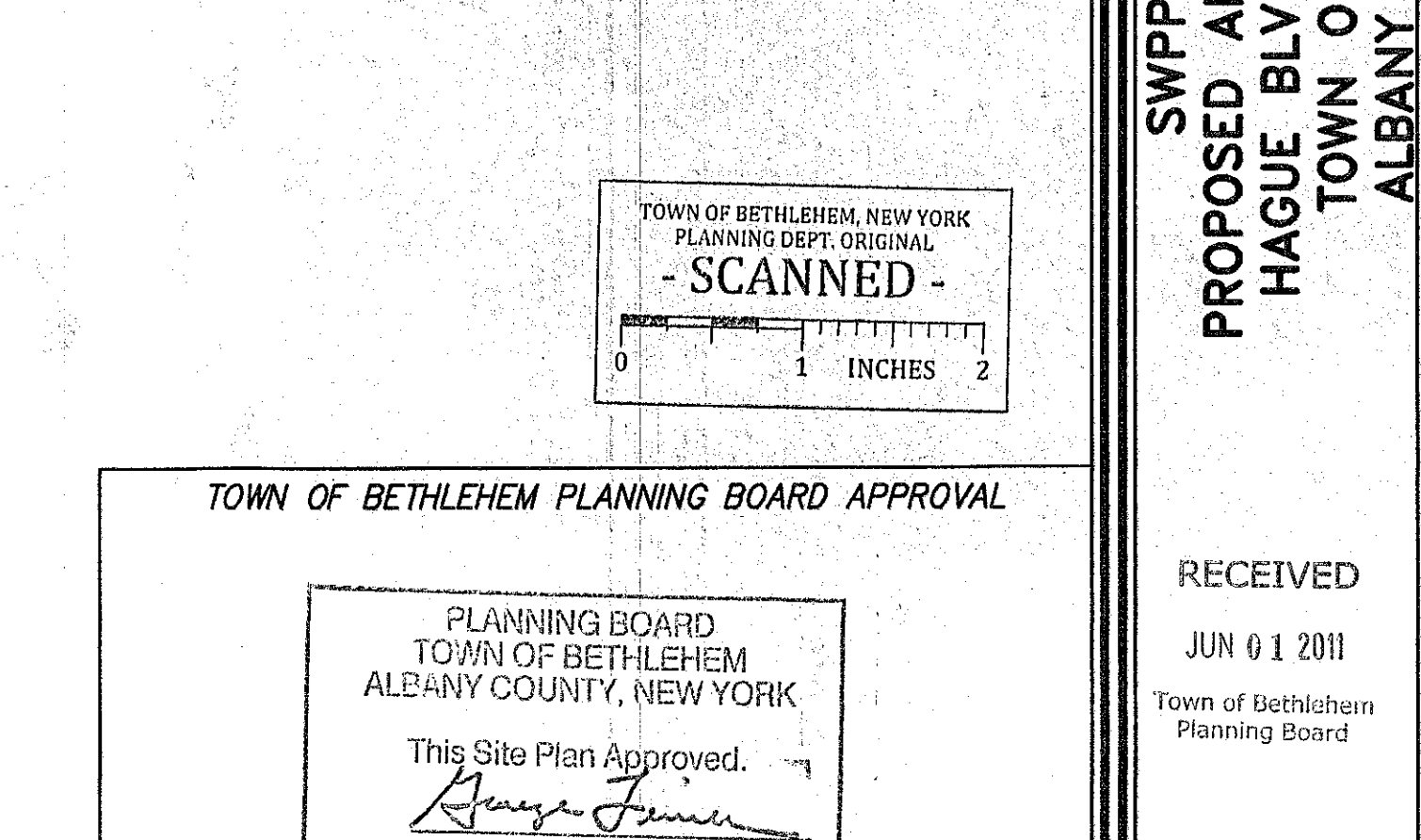
1. STRUCTURE MIN. INSIDE DIMENSIONS 4'x5' AND 30\"/>
2. MANHOLE STEPS: M.A. INDUSTRIES OR APPROVED EQUAL STEEL REINFORCED (GRADE 60) COPOLYMER POLYPROPYLENE

CAST IN PLACE ORIFICE CONTROL STRUCTURE (OCS) DETAIL

NOT TO SCALE

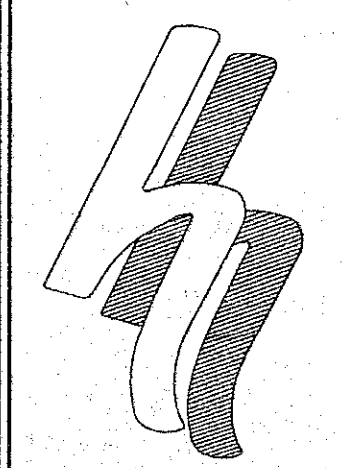


SECTION C'-C'



SECTION D'-D'

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3/7/11	SWPP2
3/26/11	COMMENT LETTER (3/18/11)
4/20/11	GENERAL REVISIONS
5/11/11	COMMENTS/FLOOR PLAN
5/12/11	FLOOR PLAN

REVISIONS

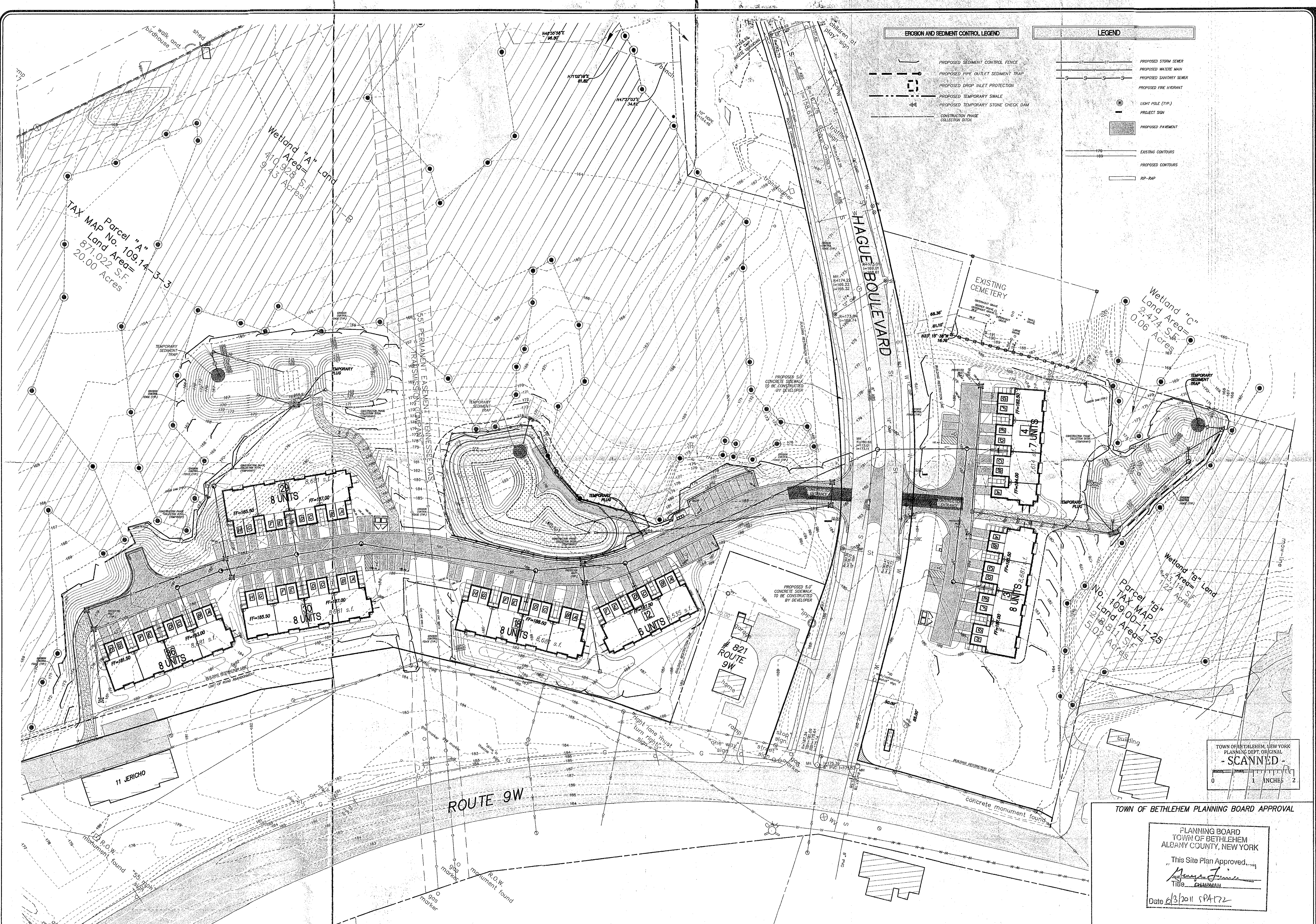
SWPPP DETAILS
PROPOSED APARTMENT COMPLEX
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
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DATE: 1/12/2010
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BY: AS
SCALE: AS SHOWN
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EROSION AND SEDIMENT CONTROL LEGEND

- PROPOSED SEDIMENT CONTROL FENCE
- PROPOSED PIPE OUTLET SEDIMENT TRAP
- PROPOSED DROP INLET PROTECTION
- PROPOSED TEMPORARY SWALE
- PROPOSED TEMPORARY STONE CHECK DAM
- CONSTRUCTION PHASE COLLECTION DITCH

LEGEND

- PROPOSED STORM SEWER
- PROPOSED WASTEWATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED FIRE HYDRANT
- LIGHT POLE (TYP.)
- PROJECT SIGN
- PROPOSED PAVEMENT
- EXISTING CONTOURS
- PROPOSED CONTOURS
- RP-RAP

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DATE

REMARKS

2/4/11

SUBMITTAL ADDED

3/1/11

COMMENT LETTER (2/8/11)

3/26/11

COMMENT LETTER (3/18/11)

4/20/11

GENERAL REVISION

5/11/11

COMMENTS/FLOOR PLAN

5/12/11

FLOOR PLAN

REVISIONS

1

GENERAL REVISION

2

COMMENTS/FLOOR PLAN

3

FLOOR PLAN

PROPOSED APARTMENT COMPLEX SWPPP EROSION & SEDIMENT CONTROL PLAN
HAGIE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

DATE: 1/12/2010
SCALE: 1"=30'
BY: AS
CHK: DRH
000293-B

TOWN OF BETHLEHEM, NEW YORK
PLANNING DEPT. ORIGINAL
- SCANNED -
0 1 2 INCHES

TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

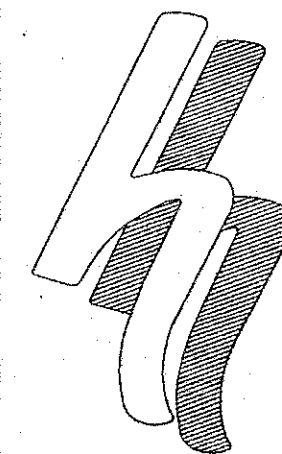
This Site Plan Approved,

James J. Finney
TITLE: CHAIRMAN

Date: 6/3/2011 SPA172

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FILE: 000293
C-15

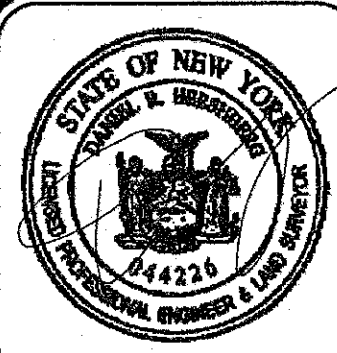


**HERSHBERG
&
HERSHBERG**

Consulting Engineers
and Land Surveyors

18 Locust Street
Albany, New York 12203

ALTERATION OF THIS
DOCUMENT EXCEPT BY A
LICENSED PROFESSIONAL
ENGINEER OR LAND
SURVEYOR, IS ILLEGAL



DATE	REMARKS
2/4/11	GENERAL REVISIONS
2/23/11	COMMENT LETTER (2/8/11)
3/29/11	COMMENT LETTER (3/19/11)
4/20/11	GENERAL REVISIONS
5/11/11	COMMENTS/FLOOR PLAN
5/12/11	FLOOR PLAN

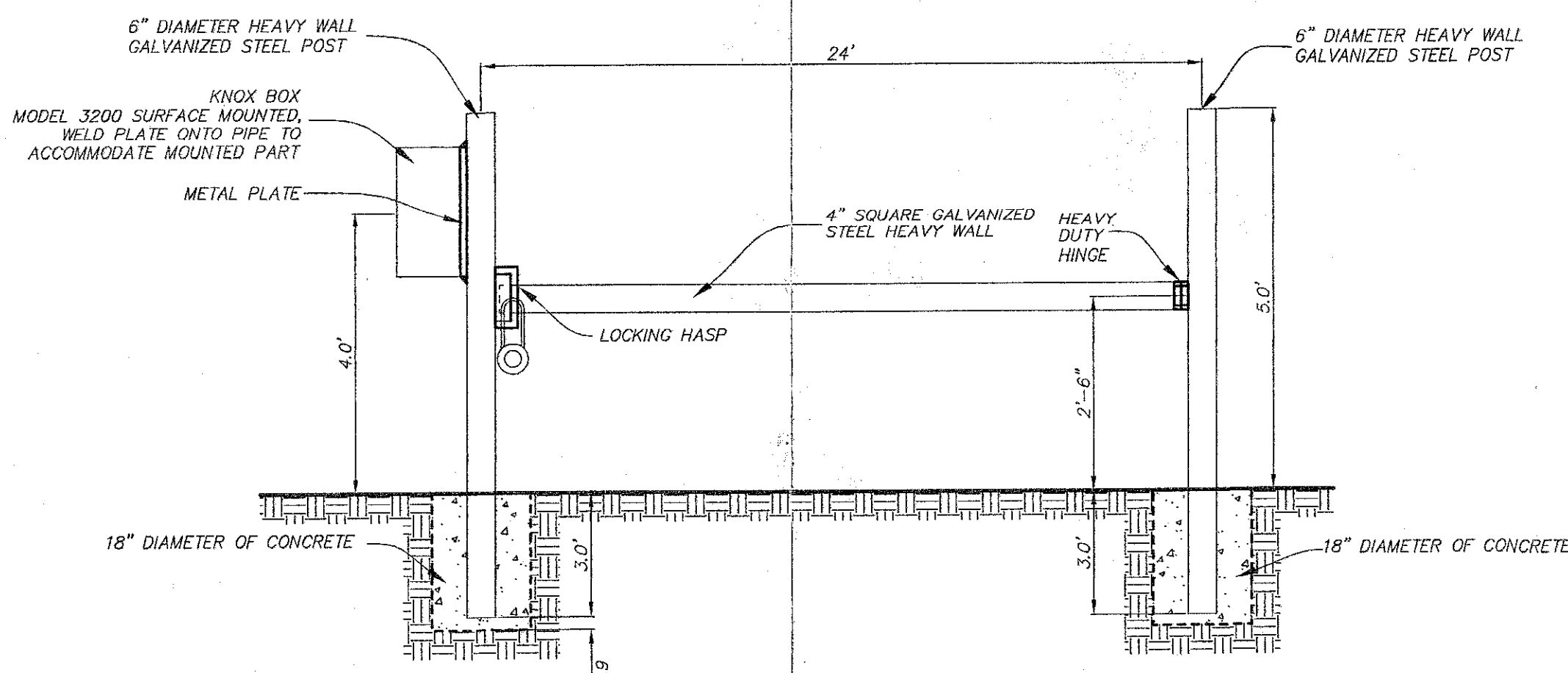
REVISIONS

DETAILS
PROPOSED APARTMENT COMPLEX
HAGUE BLVD. & ROUTE 9W
TOWN OF BETHLEHEM
ALBANY COUNTY, NY

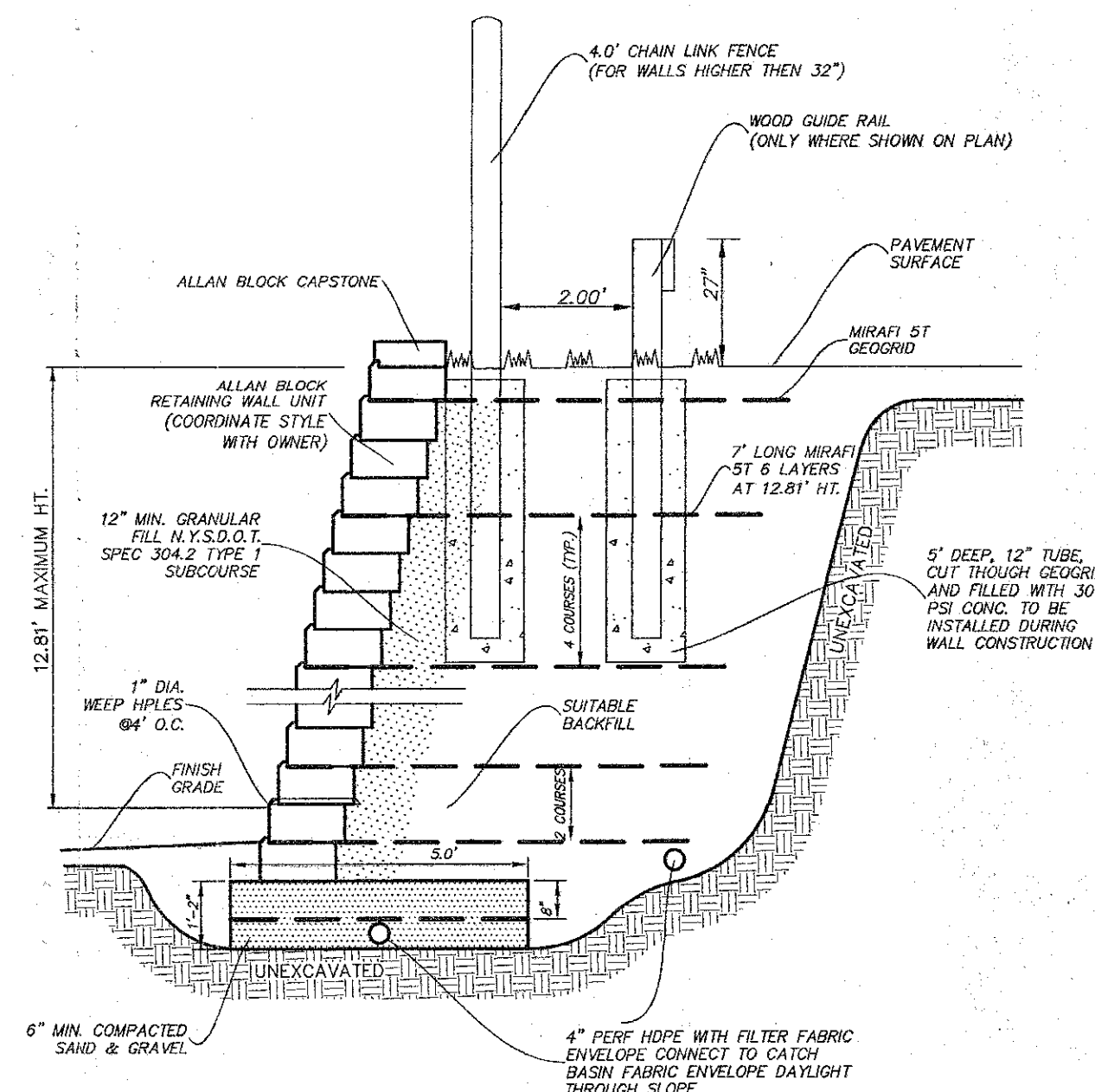
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Town of Bethlehem
Planning Board

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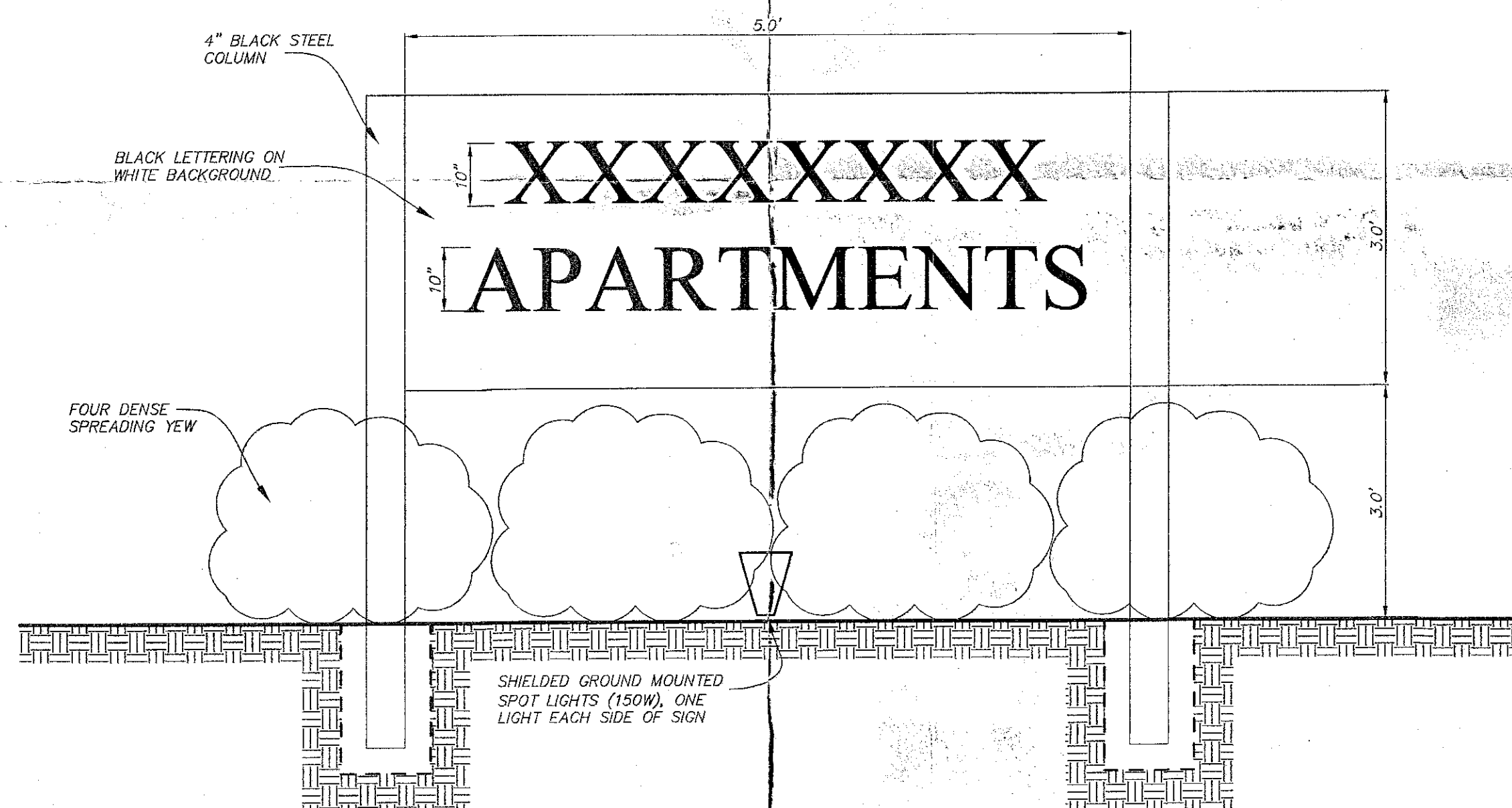
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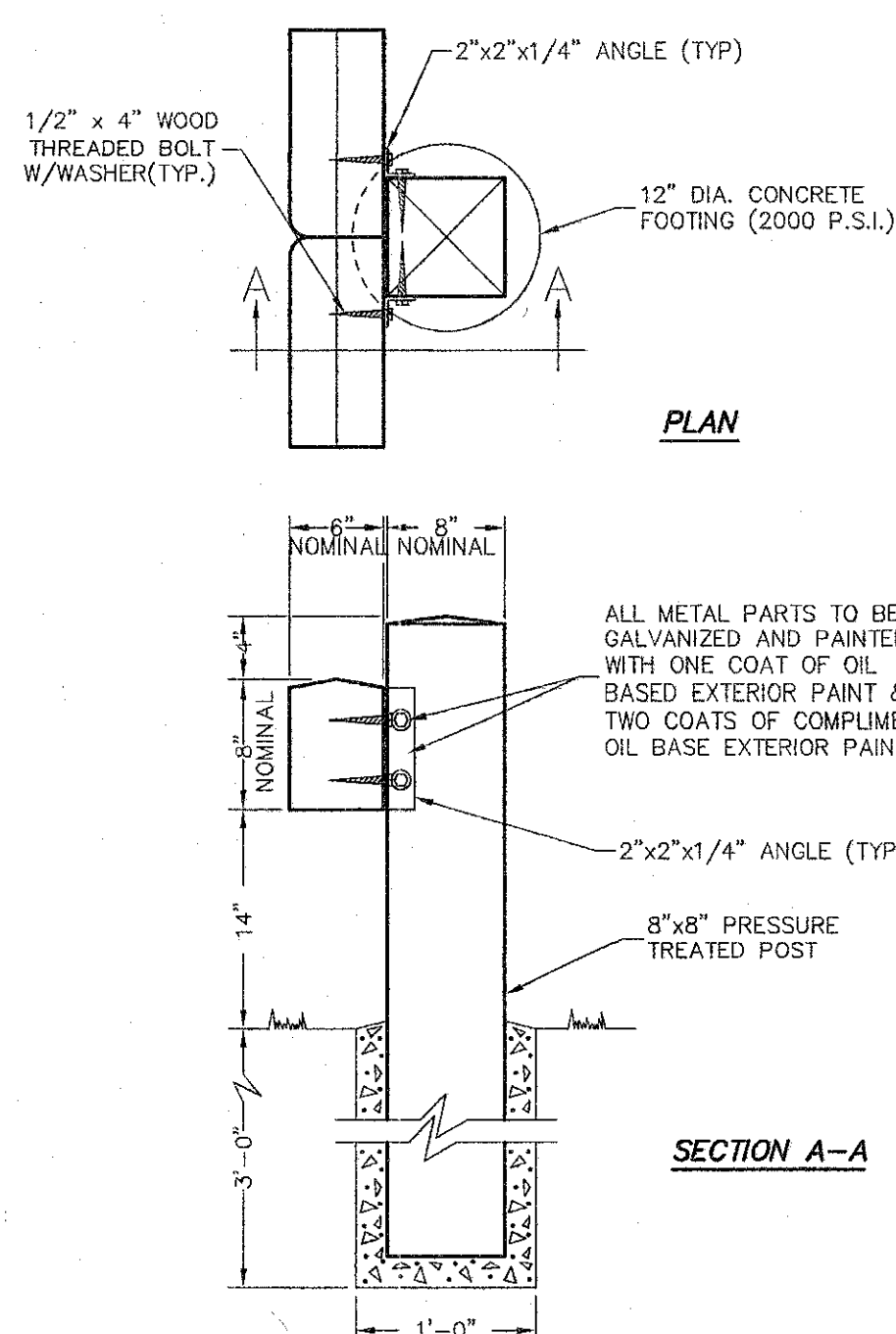
EMERGENCY GATE DETAIL
NOT TO SCALE



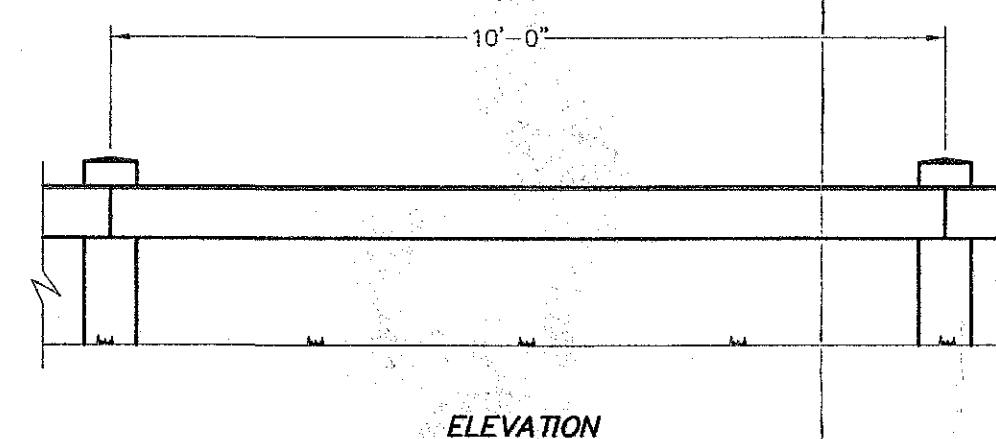
FOR WALLS OVER 4' HIGH
**BLOCK RETAINING WALL DETAIL
WITH FENCE AND GUIDE RAIL**
NOT TO SCALE



SIGN DETAIL
NOT TO SCALE

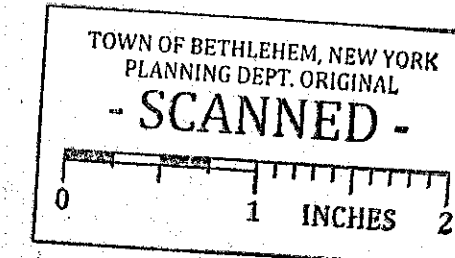


GUIDE RAIL DETAIL
NOT TO SCALE



FOR WALLS OVER 3.5' HIGH (UP TO 4.7')

BLOCK RETAINING WALL DETAIL
NOT TO SCALE



TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved by
[Signature]
Title CHAIRMAN
Date 6/3/2011 SPA 172