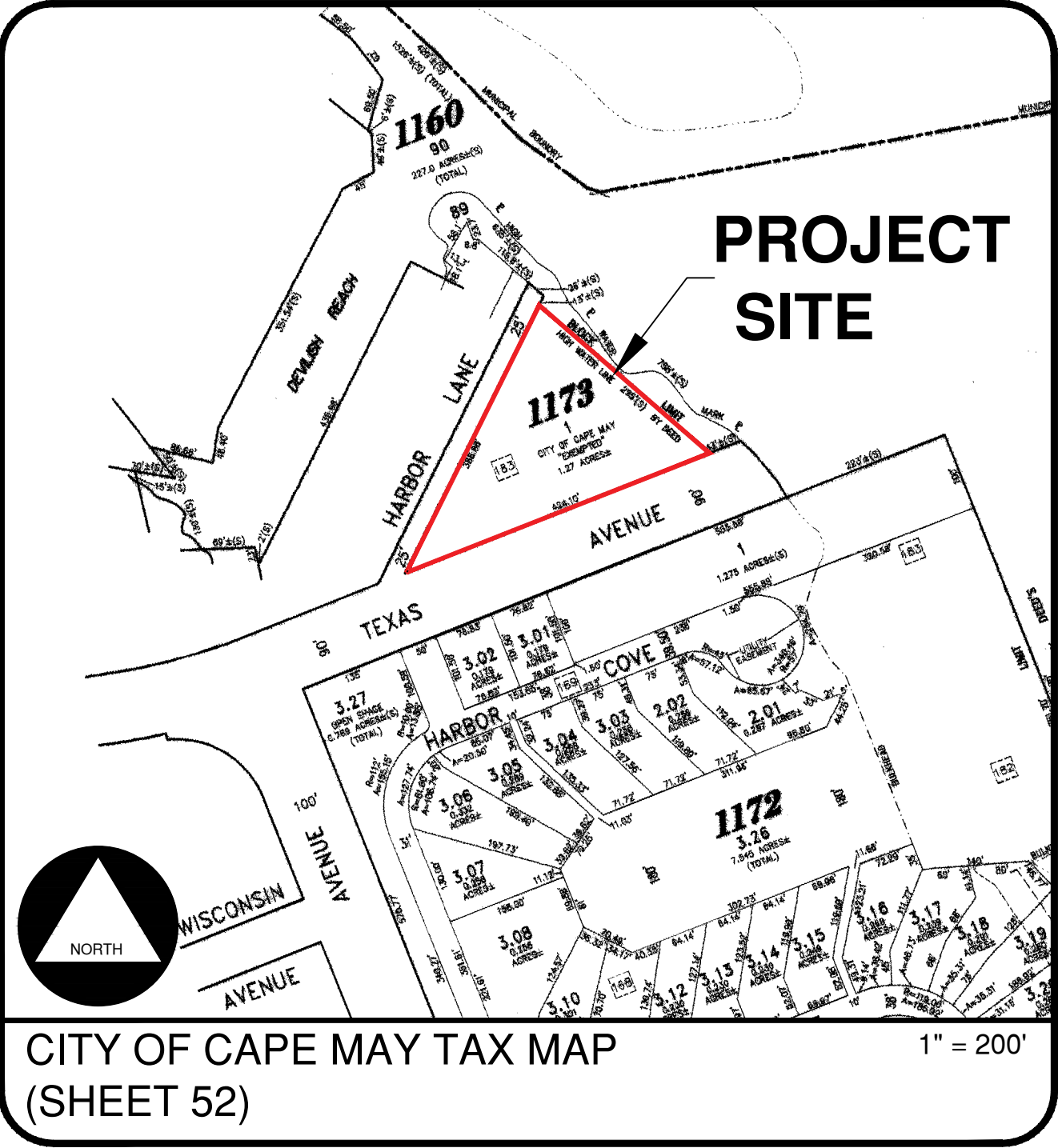
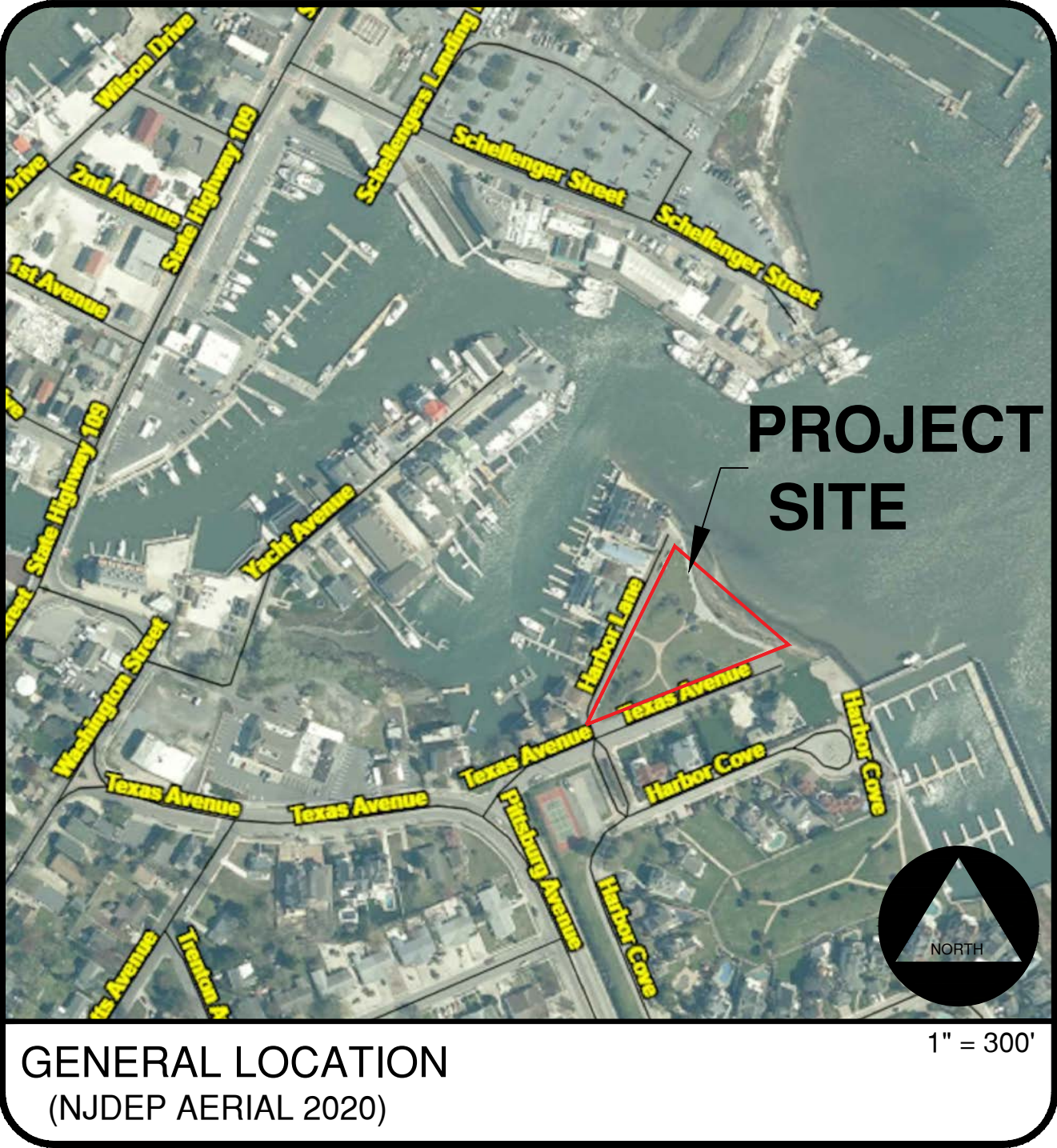


HARBORVIEW PARK IMPROVEMENTS

ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	AS - BUILT QUANTITY
1	MAINTENANCE & PROTECTION OF TRAFFIC	LS	1	
2	SITE CLEARING	LS	1	
3	SAWCUT EXISTING ASPHALT	LF	283	
4	REMOVE ASPHALT, 4" DEPTH	SY	460	
5	REMOVE CONCRETE SIDEWALK	SY	154	
6	REMOVE CONCRETE CURB	LF	310	
7	REMOVE BULKHEAD CAP	LF	420	
8	REMOVE RAILING	LF	300	
9	REMOVE BOARDWALK	SF	3,500	
10	REMOVE GAZEBOS	LS	1	
11	REMOVE TREES AND SHRUBS	LS	1	
12	HOT MIX ASPHALT 12.5 M64 SURFACE COURSE, 2" THICK	TON	73	
13	HOT MIX ASPHALT 19 M64 BASE COURSE, 2" THICK	TON	73	
14	TACK COAT	GAL	48	
15	4" WIDE WHITE PARKING STRIPING AND PARALLEL PARKING "T" & "L"	LF	357	
16	4" WIDE BLUE HANDICAP PARKING STRIPING & PAVEMENT MARKINGS	LS	1	
17	HANDICAP PARKING SIGN	EA	2	
18	DEPRESSED CURB & HANDICAP CURB RAMP WITH WARNING SURFACE	EA	5	
19	CONCRETE VERTICAL CURB	LF	300	
20a	4" THICK CONCRETE SIDEWALK & RAMPS	SY	942	
20b	4" THICK CONCRETE PAD	SY	104.5	
20c	4" THICK CONCRETE SLAB FLOOR (GAZEBO)	SY	62	
21	RELOCATE GAS LAMP POST LIGHT	EA	2	
22	NEW "HARBORVIEW PARK" SIGN	EA	1	
23	RELOCATE AND SET ANCHOR	EA	1	
24	RELOCATE STREET SIGN	EA	1	
25	BULKHEAD CAP REPLACEMENT	LF	400	
26	CONCRETE PLANK BOARDWALK	SF	3,215	
27	IPE & STEEL MESH RAILING, COMPLETE	LF	370	
28	CONCRETE RETAINING WALL, 24" - 44" HIGH, VARYING	LF	108	
29	CONCRETE STEPS AT GAZEBO	LS	1	
30	GAZEBO, COMPLETE	LS	1	
31	REPAIR EXISTING STONE COMPASS	LS	1	
32	SOLID SKIRT BENCH WITH BACKREST (74 LF)	EA	1	
33	SOLID SKIRT BACKLESS BENCH (12 LF)	EA	2	
34	SOLID TREE ISLE - STEEL PLANTER WITH BENCH	LS	1	
35	SOLID MOBILE GREEN ISLE TERRACED SEATING	LS	1	
36	KINETIC SCULPTURES #1, #2 & #3	LS	1	
37	CREEKVIEW CLUSTER SEATING	EA	7	
38	ADA ACCESSIBLE PICNIC TABLE	EA	1	
39	CARSON 32 GALLON LITTER RECEPTACLE	EA	12	
40	CREEKVIEW BENCH WITH BACKREST	EA	8	
41	CREEKVIEW BACKLESS BENCH	EA	8	
42	SONANCE BIKE LOOP	EA	4	
43	FINCH ADIRONDACK BENCH	EA	6	
44	FINCH ADIRONDACK LOUNGE CHAIR	EA	8	
45	FINCH ADIRONDACK CHAIR	EA	8	
46	USONIA LED BOLLARD LIGHT	EA	30	
47	ENCAPSULATED LED FLEXIBLE LIGHT	EA	140	
48	PROSPOT 3 LED ADJUSTABLE SPOT LIGHT	EA	6	
49	PROSPOT 3 LED ADJUSTABLE SIGN LIGHTER SPREAD LENS	EA	2	
50	PROSPOT 3 LED ADJUSTABLE SIGN LIGHTER	EA	2	
51	VISION3 LED IN-GRADE RECESSED UPLIGHT	EA	2	
52	PORTSIDE PENDANT LIGHT	EA	1	
53	ELECTRICAL SERVICE COMPLETE	LS	1	
54	IRRIGATION SYSTEM COMPLETE WITH BACKFLOW PREVENTER	LS	1	
55	LANDSCAPE COMPLETE	LS	1	
56	TOPSOIL, SEED & FERTILIZER	CY	730	
57	DENSE GRADED AGGREGATE BASE COURSE IF AND WHERE DIRECTED	CY	200	
58	SOIL EROSION & SEDIMENT CONTROL MEASURES	LS	1	
59	TREE PROTECTION FENCE	LS	1	
60	FUEL PRICE ADJUSTMENT ALLOWANCE	DOLLAR	1	\$5,000
61	ASPHALT PRICE ADJUSTMENT ALLOWANCE	DOLLAR	1	\$5,000



HARBORVIEW PARK IMPROVEMENTS

CITY OF CAPE MAY
CAPE MAY COUNTY, NJ

ZACHARY MULLOCK, MAYOR
MAUREEN K. MCDADE, DEPUTY MAYOR
SHAINE P. MEIER, COUNCILMEMBER
MICHAEL YEAGER, COUNCILMEMBER
LORRAINE BALDWIN, COUNCILMEMBER

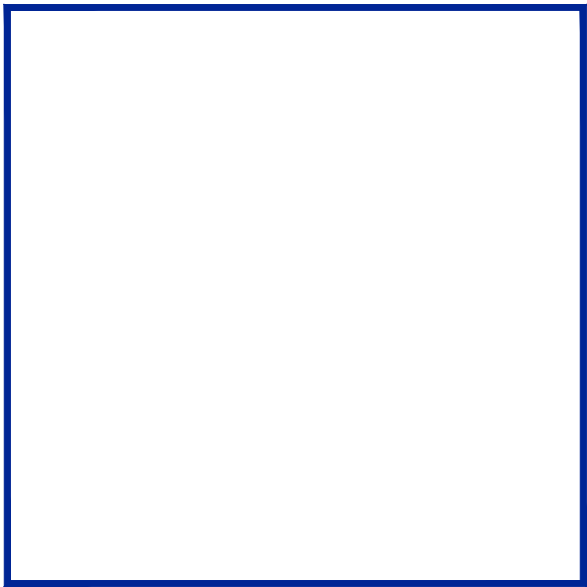
	SCHEDULE OF SHEETS	SHEET NUMBER	ORIGINAL DATE	LAST REVISED
COVER SHEET		1 OF 13	09/15/25	---
EXISTING CONDITIONS & DEMOLITION PLAN		2 OF 13	09/15/25	---
SITE PLAN.....		3 OF 13	09/15/25	---
GRADING & DRAINAGE PLAN		4 OF 13	09/15/25	---
LIGHTING PLAN		5 OF 13	09/15/25	---
LANDSCAPE PLAN		6 OF 13	09/15/25	---
ENGINEERING DETAILS		7 OF 13	09/15/25	---
ENGINEERING DETAILS		8 OF 13	09/15/25	---
ENGINEERING DETAILS		9 OF 13	09/15/25	---
ENGINEERING DETAILS		10 OF 13	09/15/25	---
ENGINEERING DETAILS		11 OF 13	09/15/25	---
ENGINEERING DETAILS		12 OF 13	09/15/25	---
SOIL EROSION & SEDIMENT CONTROL PLAN		13 OF 13	09/15/25	---

GENERAL NOTES:

- NJDOT Standard Roadway Construction/Traffic Control/Bridge Construction Details Booklet, 2019 are applicable to this project except for those details contained herein.
- NJDOT Standard Specs for Road & Bridge Construction 2019 Edition as amended by the supplementary specifications to govern.
- NJDOT standard construction details to govern over all materials, equipment and procedures.
- Contractor to visit site prior to Bid Submission.
- Contractor shall have all utilities located prior to construction and take all measures necessary to protect utilities during construction.
- All excess excavated materials or removal of site furnishings are to remain the property of the City and delivered to the City Public Works Yard (if requested).
- Horizontal datum is in feet and references the New Jersey State Plan Coordinate System, N.A.D. 1983
- SURVEY INFORMATION**
Outbound and topographic information was taken from a plan entitled "Survey with Elevations situate in Block 1173, Lot 1, City of Cape May, Cape May County, NJ" prepared by Cape Land Surveying, LLC; George Swensen, NJPLS Lic. No. 43415, dated August 1, 2023. Vertical datum elevations are in feet and references N.A.V.D. 1988.



Engineers - Landscape Architects - Planners



EDA

Engineering Design Associates, P.A.

Engineers Environmental Planners Landscape Architects

CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-9204 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION# 24GA2970300

COVER SHEET

BLOCK 1173 LOT 1

CITY OF CAPE MAY

CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO

PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A RAISED SEAL IMPRESSION BEARING THE NAME AND REGISTRATION NUMBER OF THE ABOVE SIGNED PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE BEEN ALTERED. REPRODUCTION OR FURTHER DISSEMINATION OF THE CONTENTS IN WHOLE OR IN PART REQUIRES PERMISSION IN WRITING FROM ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION	DATE	BY



DATE: 09/15/25	DRAWN BY: NEW
SCALE: AS NOTED	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 1 OF 13

LEGEND



SURVEY INFORMATION

Outbound and topographic information was taken from a plan entitled "Survey with Elevations situate in Block 1173, Lot 1, City of Cape May, Cape May County, NJ" prepared by Cape Land Surveying, LLC; George Swensen, NJPLS Lic. No. 43415, dated August 1, 2023. Vertical datum elevations are in feet and references N.A.V.D. 1988.

EXISTING TREE INVENTORY

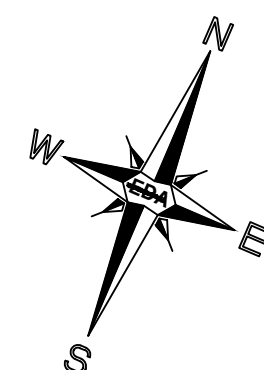
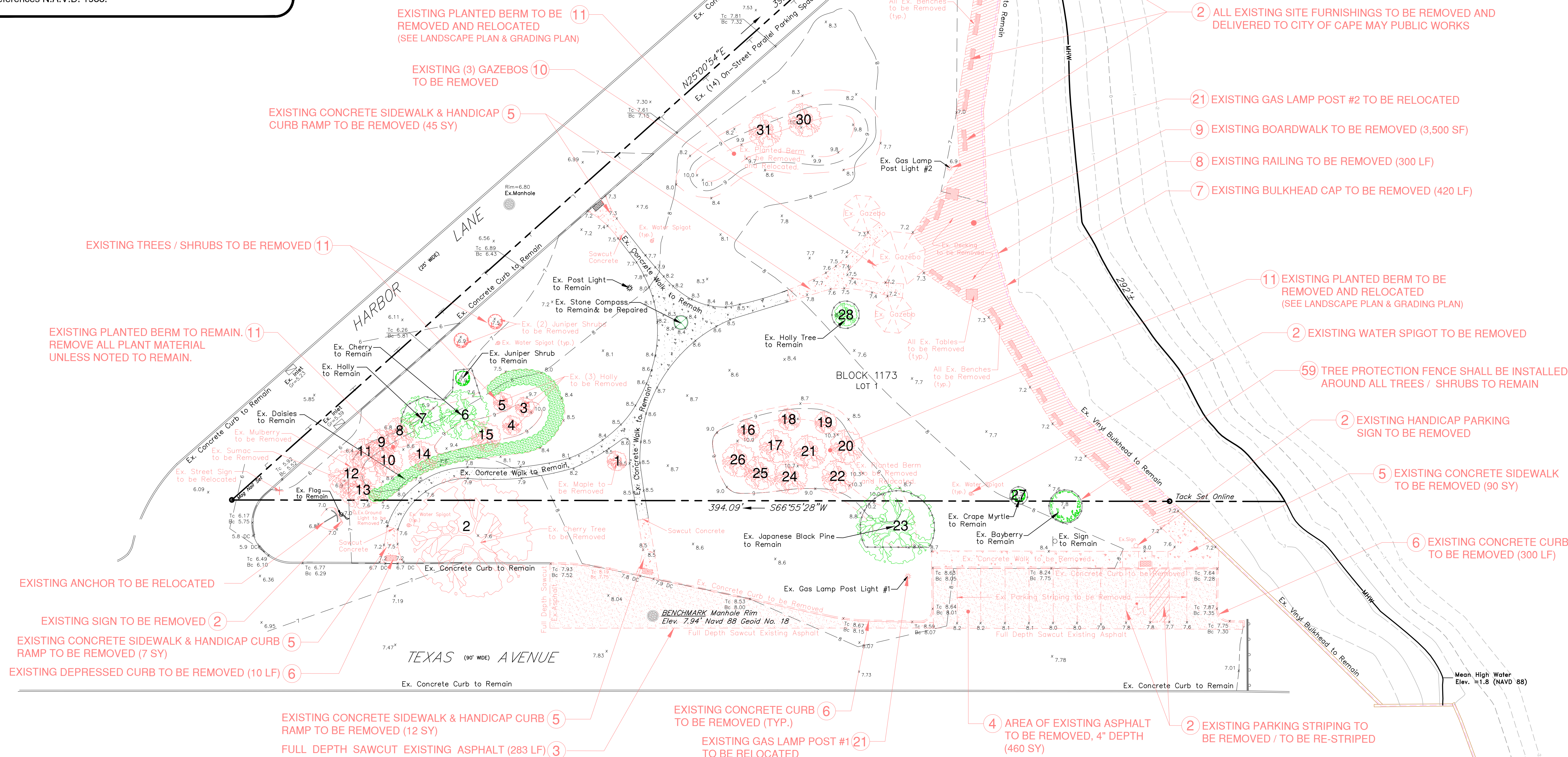
#	TREE SPECIES	REMARKS	Dbh	Dbh Total	REPLACE
1	MAPLE (?)	TO BE REMOVED	3"	3"	2
2	CHERRY (MT)	TO BE REMOVED	16",14.5"	55"	2
3	HOLLY (MT)	TO BE REMOVED	3.5", 3"	6.5"	2
4	HOLLY	TO BE REMOVED	6"	6"	2
5	HOLLY (MT)	TO BE REMOVED	1.5",1.5",1.5"	4.5"	2
6	CHERRY	TO REMAIN	12"	12"	N/A
7	HOLLY (MT)	TO REMAIN	7",7",4"	18"	N/A
8	SUMAC (MT)	TO BE REMOVED	2",2",1.5",1.5"	7"	2
9	MULBERRY (MT)	TO BE REMOVED	1.5",1.5",1.5"	9"	2
10	MULBERRY	TO BE REMOVED	4"	4"	2
11	SUMAC	TO BE REMOVED	4"	4"	2
12	MULBERRY (MT)	TO BE REMOVED	6",6",6"	18"	2
13	SUMAC (MT)	TO BE REMOVED	5.5",6"	11.5"	2
14	SUMAC (MT)	TO BE REMOVED	3",2"	5"	2
15	SUMAC (MT)	TO BE REMOVED	2",1.5",1.5"	5"	2
16	SPRUCE - 8' HT.	TO BE REMOVED	3.5"	3.5"	2

(MT) = MULTI-TRUNK

#	TREE SPECIES	REMARKS	Dbh	Dbh Total	REPLACE
17	HOLLY	TO BE REMOVED	3"	3"	2
18	SPRUCE - 6' HT.	TO BE REMOVED	3"	3"	2
19	SPRUCE - 4' HT.	TO BE REMOVED	2"	2"	N/A
20	HOLLY (MT)	TO BE REMOVED	4",2.5"	6.5"	2
21	HOLLY (MT)	TO BE REMOVED	4",3",3"	10"	2
22	HOLLY	TO BE REMOVED	5"	5"	2
23	PINE	TO REMAIN	18"	18"	N/A
24	MULBERRY (MT)	TO BE REMOVED	2",2",1.5",1.5"	7"	2
25	HOLLY	TO BE REMOVED	4"	4"	2
26	MULBERRY (MT)	TO BE REMOVED	4",3",2",2",1"	12"	2
27	CRAPPE MYRTLE	TO REMAIN	2"	2"	N/A
28	HOLLY - 10' HT.	TO REMAIN	2"	2"	N/A
29	CRAPPE MYRTLE	TO REMAIN	1"	1"	N/A
30	HOLLY (MT)	TO BE REMOVED	5",4",3"	12"	2
31	HOLLY (MT)	TO BE REMOVED	5",4"	9"	2

(MT) = MULTI-TRUNK

TOTAL TREES TO BE REMOVED: 25
TOTAL REPLACEMENT TREES: 50



EDA
Engineering Design Associates, P.A.
Engineers Environmental Planners Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION # 2462976300

EXISTING CONDITIONS & DEMOLITION PLAN

BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO

PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498



IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A RAISED SEAL IMPRESSION BEARING THE NAME AND REGISTRATION NUMBER OF THE ABOVE SIGNED PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE BEEN ALTERED. REPRODUCTION OR FURTHER DISSEMINATION OF THE CONTENTS IN WHOLE OR IN PART REQUIRES PERMISSION IN WRITING FROM ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION	DATE	BY

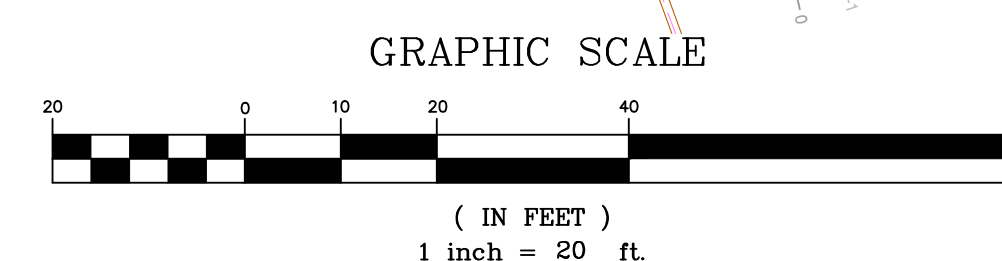


DATE: 09/15/25	DRAWN BY: NEW
SCALE: 1"=20'	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 2 OF 13

EXISTING CONDITIONS & DEMOLITION PLAN



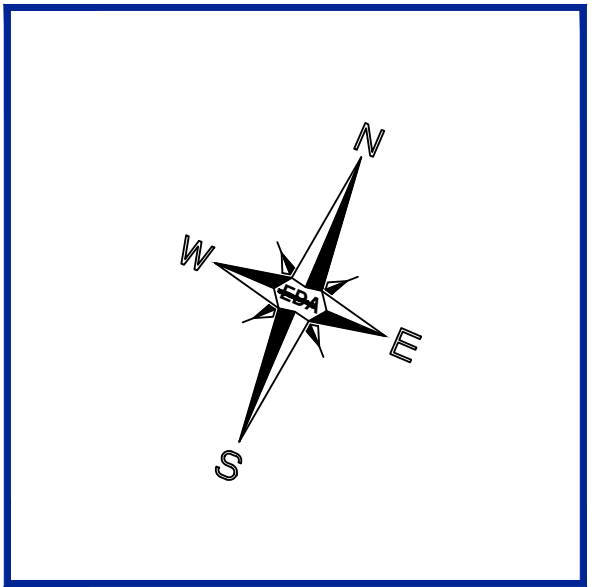
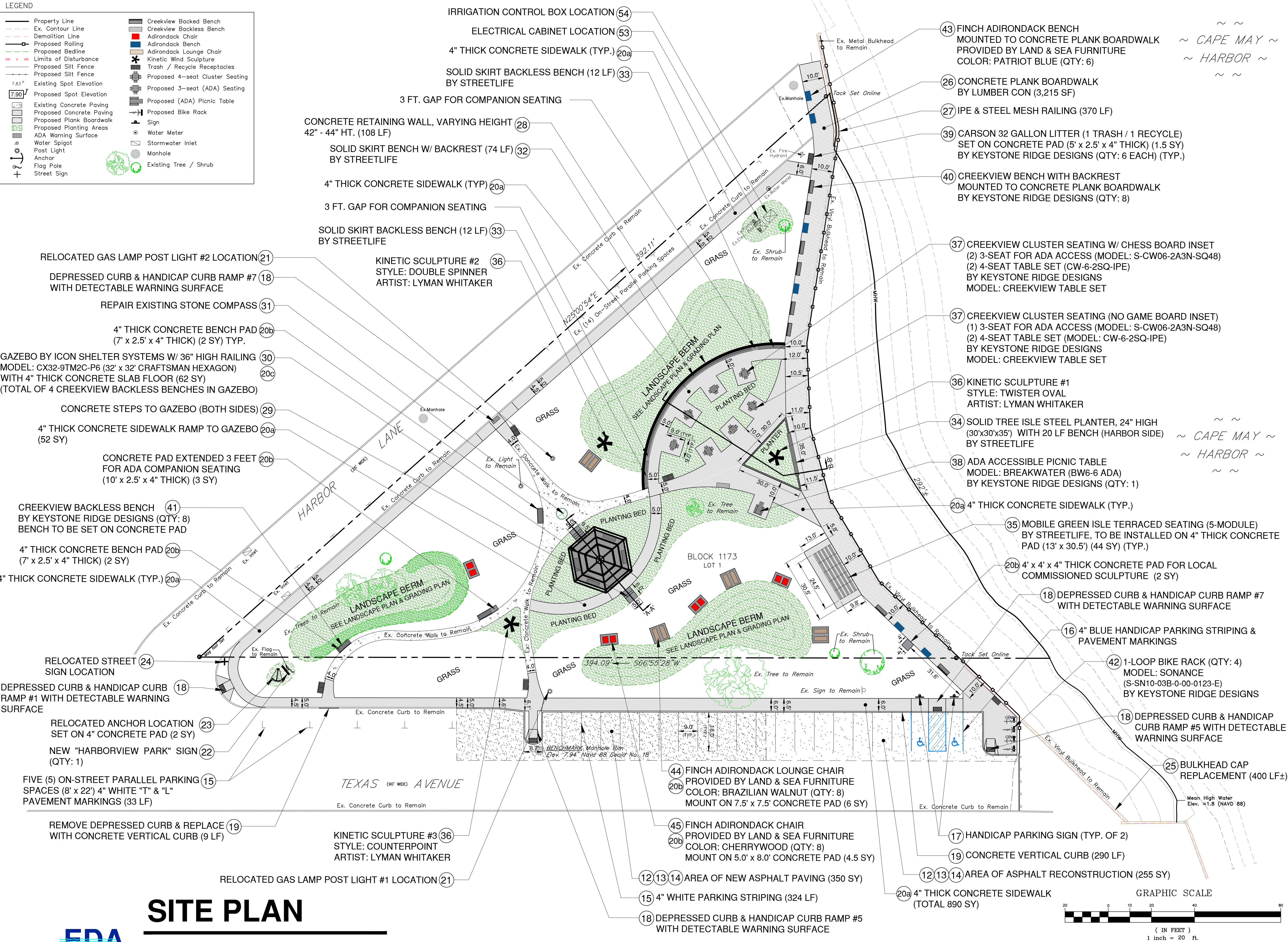
Engineers - Landscape Architects - Planners



LEGEND

- Property Line
- Ex. Contour Line
- Demolition Line
- Proposed Railing
- Proposed Bedline
- Limits of Disturbance
- Proposed Silt Fence
- Proposed Silt Fence
- Existing Spot Elevation
- Proposed Spot Elevation
- Existing Concrete Paving
- Proposed Concrete Paving
- Proposed Plank Boardwalk
- Proposed Planting Areas
- ADA Warning Surface
- Water Spigot
- Post Light
- Anchor
- Flag Pole
- Street Sign

- Creekview Backless Bench
- Creekview Backless Bench
- Adirondack Chair
- Adirondack Bench
- Adirondack Lounge Chair
- Kinetic Wind Sculpture
- Trash / Recycle Receptacles
- Proposed 4-seat Cluster Seating
- Proposed 3-seat (ADA) Seating
- Proposed (ADA) Picnic Table
- Proposed Bike Rack
- Sign
- Water Meter
- Stormwater Inlet
- Manhole
- Existing Tree / Shrub



EDA Engineering Design Associates, P.A.
Engineers, Environmental Planners, Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View, New Jersey 08230
(609) 390-0332 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION# 2462970300

SITE PLAN
BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO
PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A RAISED SEAL IMPRESSION BEARING THE NAME AND REGISTRATION NUMBER OF THE ABOVE SIGNED PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE BEEN ALTERED. REPRODUCTION OR FURTHER DISSEMINATION OF THE CONTENTS IN WHOLE OR IN PART REQUIRES PERMISSION IN WRITING FROM ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION	DATE	BY

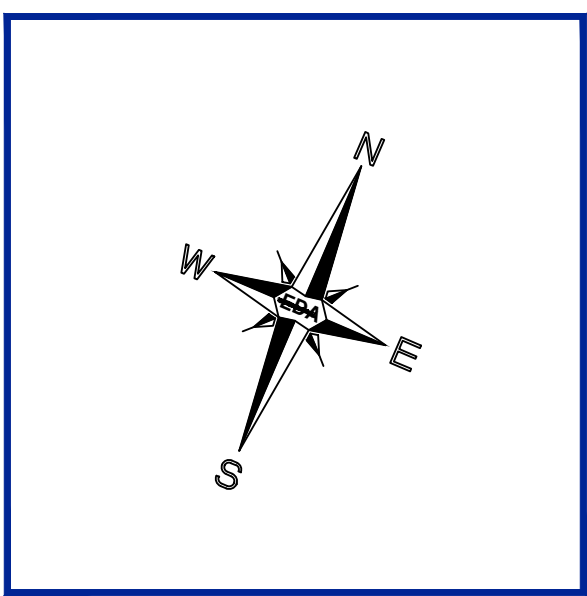
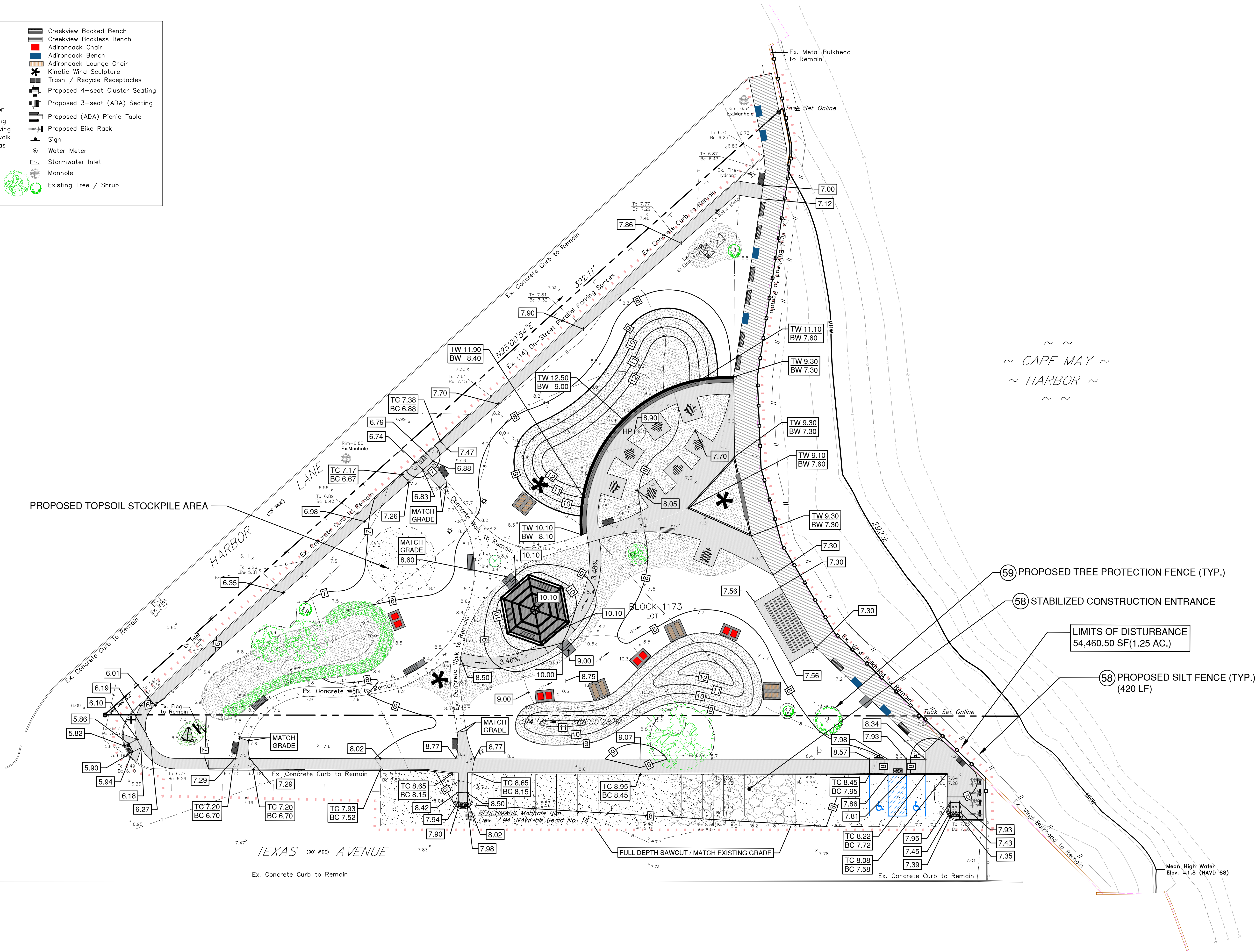


DATE: 09/15/25	DRAWN BY: NEW
SCALE: 1"=20'	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 3 OF 13

LEGEND

- Property Line
- Ex. Contour Line
- Demolition Line
- Proposed Railing
- Proposed Bedline
- Limits of Disturbance
- Proposed Silt Fence
- Existing Spot Elevation
- Proposed Spot Elevation
- Existing Concrete Paving
- Proposed Concrete Paving
- Proposed Plank Boardwalk
- Proposed Planting Areas
- ADA Warning Surface
- Water Spigot
- Post Light
- Anchor
- Flag Pole
- Street Sign

- Creekview Backed Bench
- Creekview Backless Bench
- Adirondack Chair
- Adirondack Lounge Chair
- Kinetic Wind Sculpture
- Trash / Recycle Receptacles
- Proposed 4-seat Cluster Seating
- Proposed 3-seat (ADA) Seating
- Proposed (ADA) Picnic Table
- Proposed Bike Rack
- Sign
- Water Meter
- Stormwater Inlet
- Manhole
- Existing Tree / Shrub



EDA Engineering Design Associates, P.A.
Engineers Environmental Planners Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION# 24GA2970300

GRADING & DRAINAGE PLAN
BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO
PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A RAISED SEAL IMPRESSION BEARING THE NAME AND REGISTRATION NUMBER OF THE ABOVE SIGNED PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE BEEN ALTERED. REPRODUCTION OR FURTHER DISSEMINATION OF THE CONTENTS IN WHOLE OR IN PART REQUIRES PERMISSION IN WRITING FROM ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION	DATE	BY



DATE: 09/15/25	DRAWN BY: NEW
SCALE: 1"=20'	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 4 OF 13



GRADING & DRAINAGE PLAN

Engineers - Landscape Architects - Planners

LEGEND

Property Line

Ex. Contour Line

Demolition Line

Proposed Railing

Proposed Bedline

Limits of Disturbance

Proposed Silt Fence

Proposed Silt Fence

Existing Spot Elevation

Proposed Spot Elevation

Existing Concrete Paving

Proposed Concrete Paving

Proposed Plank Boardwalk

Proposed Planting Areas

ADA Warning Surface

Water Spigot

Post Light

Anchor

Flag Pole

Street Sign

Creekview Backed Bench

Creekview Backless Bench

Adirondack Chair

Adirondack Bench

Adirondack Lounge Chair

Kinetic Wind Sculpture

Trash / Recycle Receptacles

Proposed 4-seat Cluster Seating

Proposed 3-seat (ADA) Seating

Proposed (ADA) Picnic Table

Proposed Bike Rack

Sign

Water Meter

Stormwater Inlet

Manhole

Existing Tree / Shrub

USONIA LED BOLLARD LIGHT- 36" HT. (46)
ASYMMETRIC OPTICS, 2700K, COASTAL FINISH
MODEL #US360-36IN-8L27K-TA-MDL06-SV1-BKT
BY: STERNBERG LIGHTING (QTY. = 30)

ELECTRICAL CABINET LOCATION (53)

ENCAPSULATED LED FLEXIBLE LIGHT UNDER 12 LF BENCH (47)
1 LF SEGMENT LIGHT FOR CONTINUOUS RUN OF 12 LF
SIDE BEND DOWN FACING LENS, 2700K
MODEL #: VIP-24V-SE-ENC-400-27K
BY: LUCETTA LIGHTING

ENCAPSULATED LED FLEXIBLE LIGHT UNDER 72 LF BENCH (47)
1 LF SEGMENT LIGHT FOR CONTINUOUS RUN OF 72 LF
SIDE BEND DOWN FACING LENS, 2700K
MODEL #: VIP-24V-SE-ENC-400-27K
BY: LUCETTA LIGHTING

ENCAPSULATED LED FLEXIBLE LIGHT UNDER 12 LF BENCH (47)
1 LF SEGMENT LIGHT FOR CONTINUOUS RUN OF 12 LF
SIDE BEND DOWN FACING LENS, 2700K
MODEL #: VIP-24V-SE-ENC-400-27K
BY: LUCETTA LIGHTING

PROSPOT 3 LED ADJUSTABLE SPOT LIGHT FOR SCULPTURE #2 (48)
TWO (2) 3"Ø, 30° OPTIC, SNOOT, STATE MOUNT
MODEL #: PS3/SO/27K/30/STK/UNV/NO/TBL/SN
BY: INSIGHT LIGHTING

RELOCATED LAMP POST #2 (21)

EXISTING LAMP POST TO REMAIN

PROSPOT 3 LED ADJUSTABLE SPOT LIGHT FOR SCULPTURE #3 (48)
TWO (2) 3"Ø, 30° OPTIC, SNOOT, STATE MOUNT
MODEL #: PS3/SO/27K/30/STK/UNV/NO/TBL/SN
BY: INSIGHT LIGHTING

PROSPOT 3 LED ADJUSTABLE SIGN LIGHTER FOR SIGN ONE (1) 3"Ø, 30° OPTIC W/ HORIZONTAL SPREAD LENS, SNOOT, STATE MOUNT
MODEL #: PS3/SO/27K/30-HSL/STK/UNV/NO/TBL/SN
BY: INSIGHT LIGHTING

PROSPOT 3 LED ADJUSTABLE SIGN LIGHTER FOR ANCHOR (49)
ONE (1) 3"Ø, 30° OPTIC W/ HORIZONTAL SPREAD LENS, SNOOT, STATE MOUNT
MODEL #: PS3/SO/27K/30-HSL/STK/UNV/NO/TBL/SN
BY: INSIGHT LIGHTING

PROSPOT 3 LED ADJUSTABLE SIGN LIGHTER FOR FLAG POLE (50)
TWO (2) 3"Ø, 20° OPTIC, SNOOT, STATE MOUNT
MODEL #: PS3/SO/27K/20/STK/UNV/NO/TBL/SN
BY: INSIGHT LIGHTING

RELOCATED LAMP POST #2 (21)

(52) PORTSIDE PENDANT LIGHT IN GAZEBO
MODEL #: SM16018701AB
BY: STUDIO M LIGHTING

(53) (54) NOTE:
CONTRACTOR TO PROVIDE AMPLE UNDERGROUND ELECTRICAL SERVICE TO OPERATE CONTROL PANEL FOR IRRIGATION AND SERVICE PROPOSED LIGHTS.

LIGHTING LEGEND

(21)

EXISTING LAMP POST TO REMAIN / RELOCATE

(46)

USONIA LED BOLLARD LIGHT- 36" HT. BY: STERNBERG LIGHTING QTY. = 30

(47)

ENCAPSULATED LED FLEXIBLE LIGHT BY: LUCETTA LIGHTING QTY. = 140

(48)

PROSPOT 3 LED ADJUSTABLE SPOT LIGHT A: 30° OPTIC, SNOOT, STAKE MOUNT BY: INSIGHT LIGHTING QTY. = 6

(49)

PROSPOT 3 LED ADJUSTABLE SIGN LIGHTER 30° OPTIC, HORIZONTAL SPREAD LENS BY: INSIGHT LIGHTING QTY. = 2

(50)

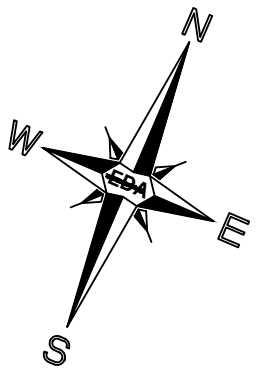
PROSPOT 3 LED ADJUSTABLE SIGN LIGHTER 20° OPTIC, SNOOT BY: INSIGHT LIGHTING QTY. = 2

(51)

VISION3 LED IN-GRADE RECESSED UPLIGHT BY: VISION3 LIGHTING QTY. = 2

(52)

PORTSIDE PENDANT LIGHT BY: STUDIO M LIGHTING QTY. = 1

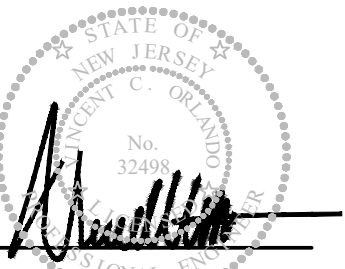


EDA Engineering Design Associates, P.A.
Engineers Environmental Planners Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION# 24G2970300

LIGHTING PLAN
BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO

PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498



IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A RAISED SEAL IMPRESSION BEARING THE NAME AND REGISTRATION NUMBER OF THE ABOVE SIGNED PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE BEEN ALTERED. REPRODUCTION OR FURTHER DISSEMINATION OF THE CONTENTS IN WHOLE OR IN PART REQUIRES PERMISSION IN WRITING FROM ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION DATE BY



DATE: 09/15/25 DRAWN BY: NEW

SCALE: 1"=20' CHECKED BY: VCO

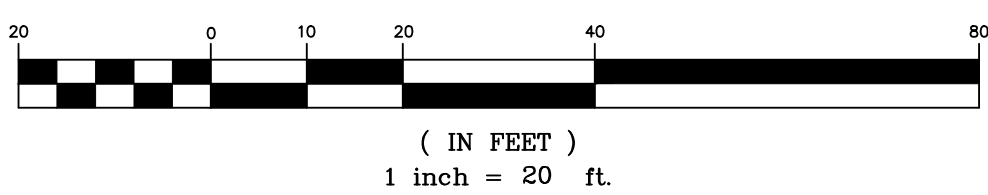
PROJECT #: CM-124 SHEET: 5 OF 13



LIGHTING PLAN

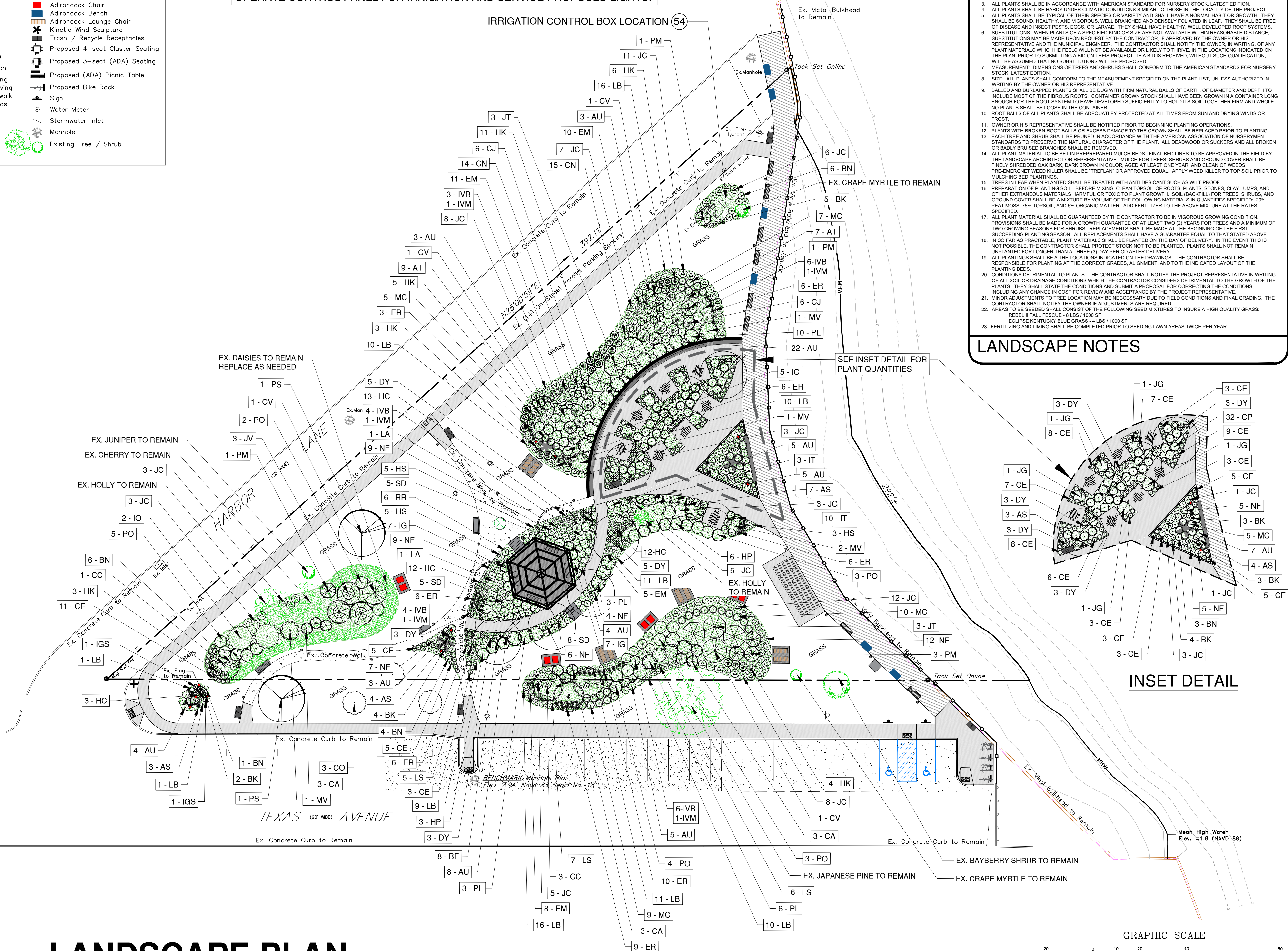
Engineers - Landscape Architects - Planners

GRAPHIC SCALE



	Property Line		Creekview Backed Bench
	Ex. Contour Line		Creekview Backless Bench
	Demolition Line		Adirondack Chair
	Proposed Railing		Adirondack Bench
	Proposed Bedline		Adirondack Lounge Chair
	Limits of Disturbance		Kinetic Wind Sculpture
	Proposed Silt Fence		Trash / Recycle Receptacles
	Proposed Silt Fence		Proposed 4-seat Cluster Seating
	Existing Spot Elevation		Proposed 3-seat (ADA) Seating
	Proposed Spot Elevation		Proposed (ADA) Picnic Table
	Existing Concrete Paving		Proposed Bike Rack
	Proposed Concrete Paving		Sign
	Proposed Plank Boardwalk		Water Meter
	Proposed Planting Areas		Stormwater Inlet
	ADA Warning Surface		Manhole
	Water Spigot		Existing Tree / Shrub
	Post Light		
	Anchor		
	Flag Pole		
	Street Sign		

NOTE:
CONTRACTOR TO PROVIDE AMPLE UNDERGROUND ELECTRICAL SERVICE TO
OPERATE CONTROL PANEL FOR IRRIGATION AND SERVICE PROPOSED LIGHTS.



THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS SHOWN ON THE DRAWINGS. ANY DISCREPANCY IN QUANTITY SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. PLAN HOLDS PRECEDENT.

1. ALL PLANTS SHALL BE:

- A. ALL PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION.
- B. ALL PLANTS SHALL BE HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT.
- C. ALL PLANTS SHALL BE FREE FROM DISEASES AND PESTS, INCLUDING BUT NOT LIMITED TO: SCALE, MITE, OR OTHER INSECT DAMAGE. THEY SHALL BE SOUND, HEALTHY, AND VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED IN LEAF. THEY SHALL BE FREE OF DISEASE AND INSEST PESTS, EGGS, OR LARVAE. THEY SHALL HAVE HEALTHY, WELL DEVELOPED ROOT SYSTEMS.
- D. ALL PLANTS SHALL BE SPECIES APPROPRIATE TO THE CLIMATE AND GROWING LOCATIONS INDICATED ON THE PLAN. SUBSTITUTIONS MAY BE MADE UPON REQUEST BY THE CONTRACTOR, IF APPROVED BY THE OWNER OR HIS REPRESENTATIVE AND THE MUNICIPAL ENGINEER. THE CONTRACTOR SHALL NOTIFY THE OWNER, IN WRITING, OF ANY SUCH SUBSTITUTIONS PRIOR TO BEGINNING PLANTING OPERATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS AND ADOPTING BEST MANAGEMENT PRACTICES. THE PLAN, PRIOR TO SUBMITTING A BID ON THIS PROJECT. IF A BID IS RECEIVED, WITHOUT SUCH QUALIFICATION, IT WILL BE ASSUMED THAT NO SUBSTITUTIONS WILL BE PROPOSED.

3. ALL PLANTS SHALL MEET THE FOLLOWING REQUIREMENTS:

- A. TREES AND SHRUBS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK, LATEST EDITION.
- B. SIZE: ALL PLANTS SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE PLANT LIST, UNLESS AUTHORIZED IN WRITING BY THE LANDSCAPE ARCHITECT.
- C. BALLED AND BURLEAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH, OF DIAMETER AND DEPTH TO INCLUDE MOST OF THE FIBROUS ROOTS. CONTAINER GROWN PLANTS SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH TO ALLOW THE ROOTBALL TO DEVELOP SUFFICIENTLY TO HOLD ITS SOIL TOGETHER FIRM AND WHOLE.
- D. NO PLANTS SHALL BE LOOSE IN THE CONTAINER.
- E. ROOT BALLS OF ALL PLANTS SHALL BE ADEQUATELY PROTECTED AT ALL TIMES FROM SUN AND DRYING WINDS OR OTHER ADVERSE WEATHER CONDITIONS.

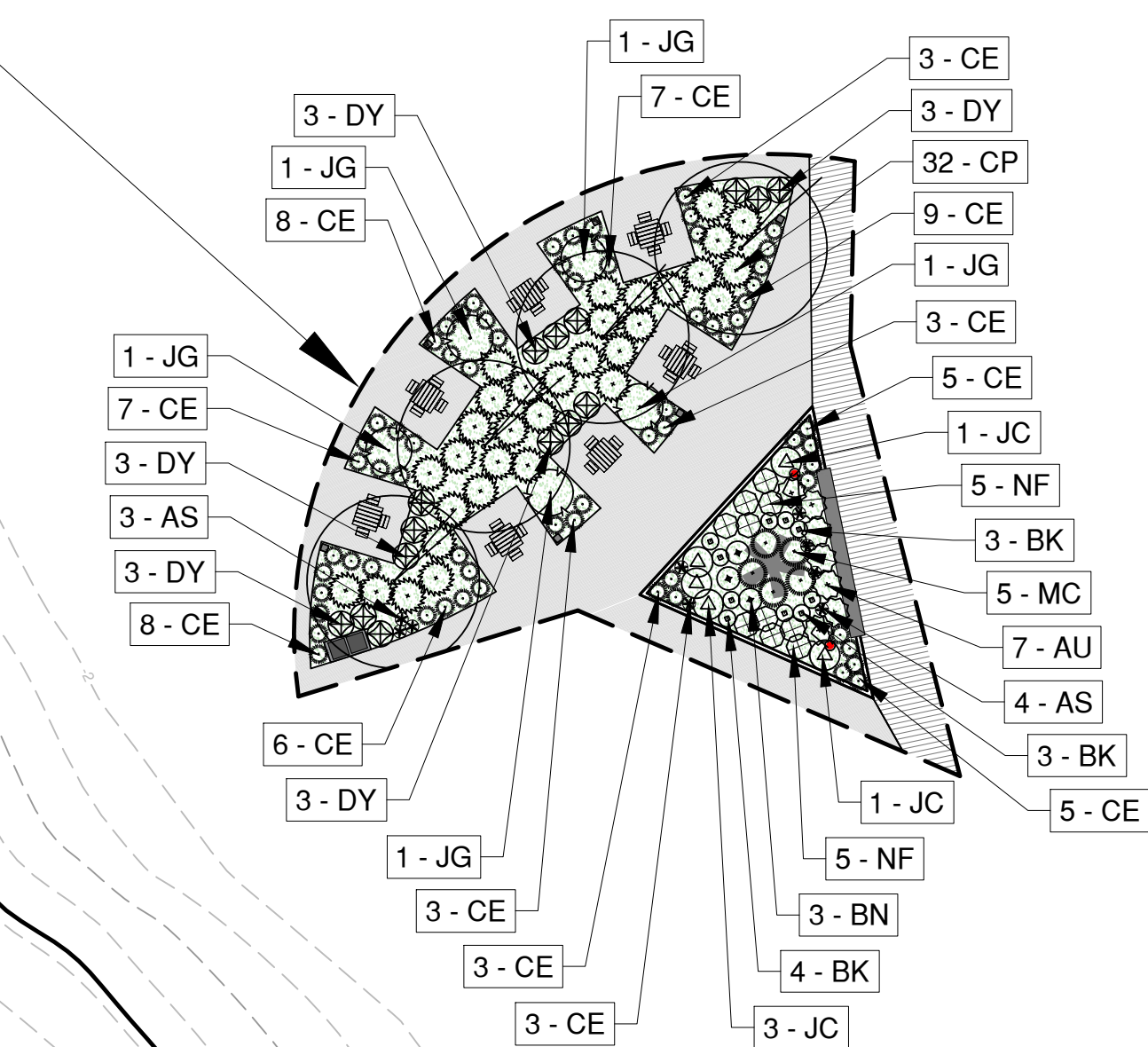
4. THE CONTRACTOR SHALL:

- A. OWNER OR HIS REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO BEGINNING PLANTING OPERATIONS.
- B. PLANTS WITH BROKEN ROOT BALLS OR EXCESS DAMAGE TO THE CROWN SHALL BE REPLACED PRIOR TO PLANTING.
- C. PLANTS WITH BROKEN OR DAMAGED TRUNKS SHALL BE REPLACED PRIOR TO PLANTING.
- D. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL DEADWOOD OR SUCKERS AND ALL BROKEN OR BADLY BRUISED BRANCHES SHALL BE REMOVED.
- E. PLANT MATERIAL SHALL BE STORED IN MULCH BEDS. FINAL BED LINES TO BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT OR REPRESENTATIVE. MULCH FOR TREES, SHRUBS AND GROUND COVER SHALL BE FINELY SHREDED OAK BARK, DARK BROWN IN COLOR, AGE AT LEAST ONE YEAR, AND CLEAN OF WEEDS.
- F. THE CONTRACTOR SHALL WATER EACH PLANT IMMEDIATELY AFTER PLANTING AND APPLY ADDITIONAL WATER TO TREES PRIOR TO MULCHING BED PLANTINGS.
- G. TREES IN LEAF WHEN PLANTED SHALL BE TREATED WITH ANTI-DISEASE AS KILL-PROOF.
- H. PREPARATION OF PLANTING AREAS SHALL BE DONE PRIOR TO PLANTING. ALL STONES, ROCKS, CLAY LUMPS, AND OTHER EXTRANEAS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH. SOIL (BACKFILL) FOR TREES, SHRUBS, AND GROUND COVER SHALL BE A MIXTURE BY VOLUME OF THE FOLLOWING MATERIALS IN QUANTITIES SPECIFIED: 20% TOPSOIL, 70% TOPSOIL, AND ORGANIC MATTER. ADD FERTILIZER TO THE ABOVE MIXTURE AT THE RATES SPECIFIED.
- I. ALL PLANT MATERIAL SHALL BE GUARANTEED GUARANTEE PERIOD. TREES TO BE IN VIGOROUS GROWING CONDITION FOR TWO GROWING SEASONS. SHRUBS TO BE IN VIGOROUS GROWING CONDITION FOR ONE GROWING SEASON. MINIMUM OF TWO GROWING SEASONS FOR SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- J. SO FAR AS PRACTICABLE, PLANTS SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT TO BE PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE (3) DAY PERIOD AFTER DELIVERY.
- K. PLANTINGS SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT THE CORRECT GRASSES, ALIGNMENT, AND TO THE INDICATED LAYOUT OF THE PLANTING BEDS.
- L. ANYTHING DETRIMENTAL TO PLANTS: THE CONTRACTOR SHALL NOTIFY THE PROJECT REPRESENTATIVE IN WRITING OF ALL SOIL OR DRAINAGE CONDITIONS WHICH THE CONTRACTOR CONSIDERS DETRIMENTAL TO THE GROWTH OF THE PLANTS. THEY SHALL STATE THE CONDITIONS AND SUBMIT A PROPOSAL FOR CORRECTING THE CONDITIONS, AND A TIME FRAME FOR COMPLETION OF THE WORK.
- M. MINOR ADJUSTMENTS TO TREE LOCATION MAY BE NECESSARY DUE TO FIELD CONDITIONS AND FINAL GRADING. THE CONTRACTOR SHALL NOTIFY THE OWNER IF ADJUSTMENTS ARE REQUIRED.
- N. AFTER THE SEEDING OPERATION IS COMPLETE, THE CONTRACTOR SHALL USE SEED MIXTURES TO INSURE A HIGH QUALITY GRASS:

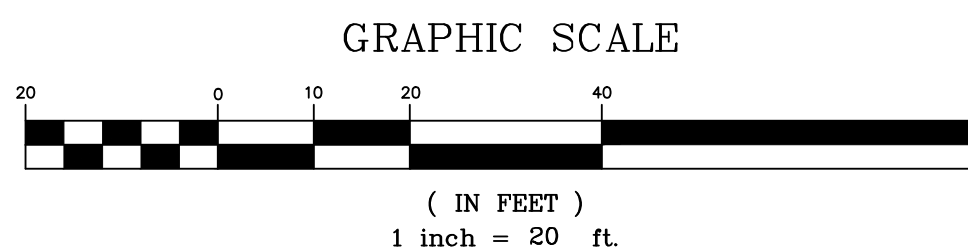
REBEL II-TALL FESCUE - 8 LBMS / 1000 SF
ECLIPSE KYBLUE BLUE GRASS - 4 LBMS / 1000 SF

FERTILIZER: 16-4-8 (N-P-K) PERCENTAGE TO SEEDING LAWN AREAS WITH GRASS

LANDSCAPE NOTES



INSET DETAIL



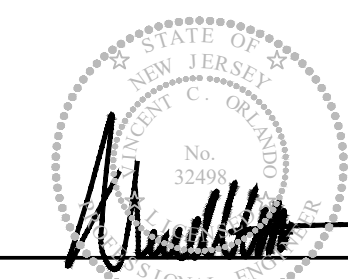
EDA Engineering Design Associates, P.A.

CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION#: 24GA27970300

LANDSCAPE PLAN
BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO

PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498



IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A RAISED SEAL IMPRESSION BEARING THE NAME AND REGISTRATION NUMBER OF THE ABOVE SIGNED PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE BEEN ALTERED. REPRODUCTION OR FURTHER DISSEMINATION OF THE CONTENTS IN WHOLE OR IN PART REQUIRES PERMISSION IN WRITING FROM ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION	DATE	BY



DATE: 09/15/25 DRAWN BY: NE

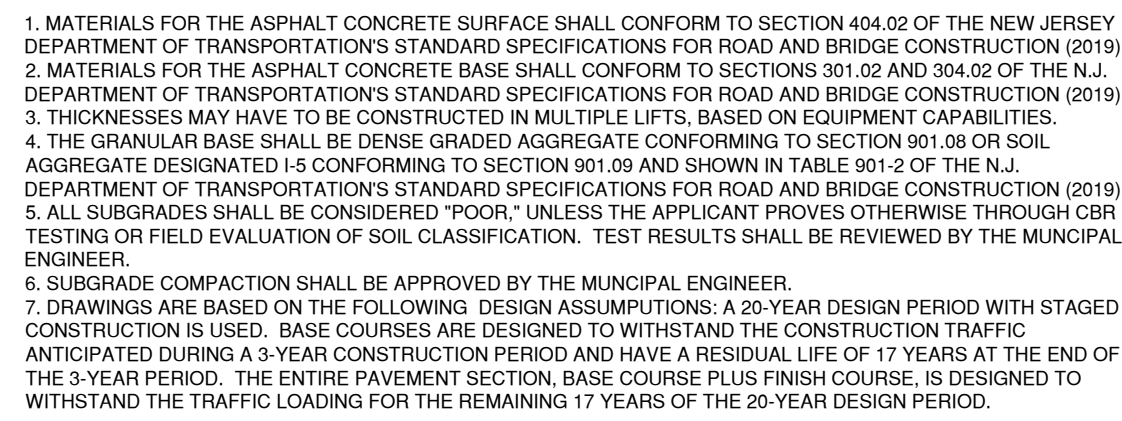
SCALE: 1"=20' CHECKED BY: V

PROJECT #: CM-124 SHEET: 6 OF 1

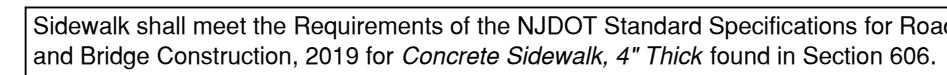
LANDSCAPE PLAN



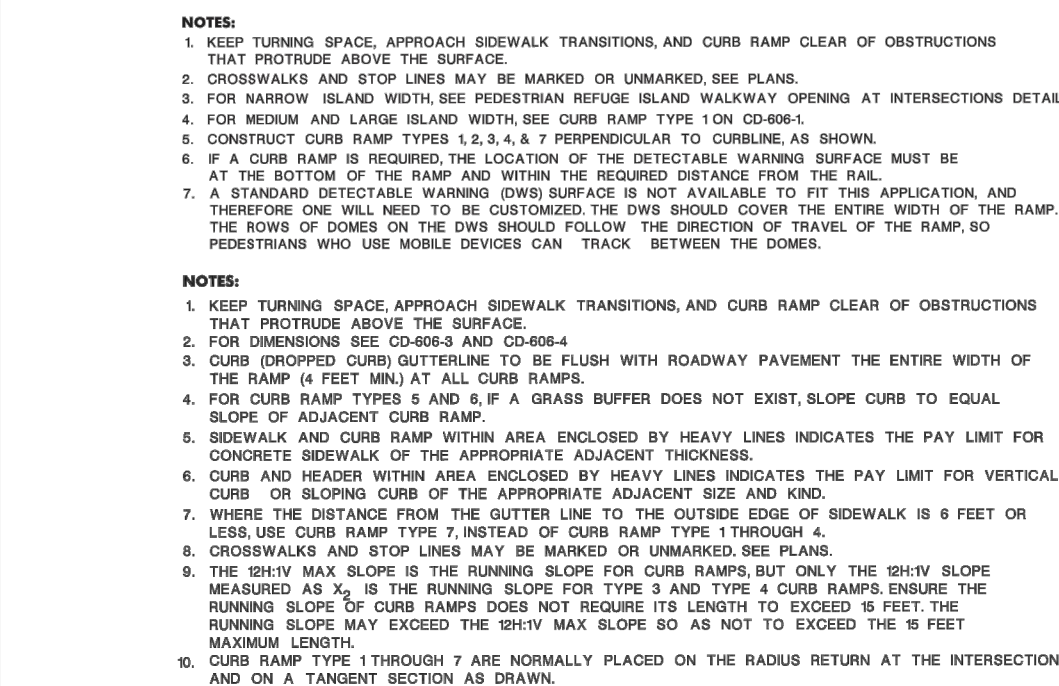
Engineers - Landscape Architects - Planners



N.T.S.



N.T.S.



N.T.S.



FRAME COLOR TO BE PANTONE 289 C
PER CAPE MAY COUNTY PLACEMAKING PLAN
- NO INSET WAVE PATTERN -

SLAT STYLE: IPE WOOD
FRAME COLOR: PANTONE 289 C

KEYSTONE RIDGE DESIGNS, INC.
870 MERCER ROAD
BUTLER, PA 16001
PHONE: 1-800-284-6208
FAX: (724) 284-1253
WWW.KEYSTONERIDGEDESIGNS.COM

EXCLUSIVITY BY DESIGN™
CW26

QTY: 8
'CREEKVIEW' IPE BENCH WITH BACK
BY: KEYSTONE RIDGE DESIGNS
N.T.S.

FRAME COLOR TO BE PANTONE 289 C
PER CAPE MAY COUNTY PLACEMAKING PLAN
- NO INSET WAVE PATTERN -

SLAT STYLE: IPE WOOD
FRAME COLOR: PANTONE 289 C

KEYSTONE RIDGE DESIGNS, INC.
870 MERCER ROAD
BUTLER, PA 16001
PHONE: 1-800-284-6208
FAX: (724) 284-1253
WWW.KEYSTONERIDGEDESIGNS.COM

EXCLUSIVITY BY DESIGN™
CW16

QTY: 8
'CREEKVIEW' BACKLESS IPE BENCH
BY: KEYSTONE RIDGE DESIGNS
N.T.S.

NOTES:
UNIT TO HAVE WAVE INFILL PATTERN ON ALL SIDES IN PANTONE 289 C COLOR
PER THE CAPE MAY COUNTY CREATIVE PLACEMAKING PLAN
CONTRACTOR TO PROVIDE 32 GALLON RUBBER TRASH CAN WITH EACH UNIT

KEYSTONE RIDGE DESIGNS, INC.
870 MERCER ROAD
BUTLER, PA 16001
PHONE: 1-800-284-6208
FAX: (724) 284-1253
WWW.KEYSTONERIDGEDESIGNS.COM

EXCLUSIVITY BY DESIGN™
CS3-32

QTY: 6 TRASH
QTY: 6 RECYCLE
'CARSON' LITTER RECEPTACLES
BY: KEYSTONE RIDGE DESIGNS
N.T.S.

SLAT STYLE: IPE WOOD
FRAME COLOR: MATTE BLACK POWDER COAT

KEYSTONE RIDGE DESIGNS, INC.
870 MERCER ROAD
BUTLER, PA 16001
PHONE: 1-800-284-6208
FAX: (724) 284-1253
WWW.KEYSTONERIDGEDESIGNS.COM

EXCLUSIVITY BY DESIGN™
BW6-6 ADA

QTY: 1
'BREAKWATER' PICNIC TABLE W/ ADA
BY: KEYSTONE RIDGE DESIGNS
N.T.S.

CHESSE BOARD GAME INSET
ON 4-SEAT TABLE SET
QTY: 2

SLAT STYLE: IPE WOOD
FRAME COLOR: MATTE BLACK POWDER COAT

KEYSTONE RIDGE DESIGNS, INC.
870 MERCER ROAD
BUTLER, PA 16001
PHONE: 1-800-284-6208
FAX: (724) 284-1253
WWW.KEYSTONERIDGEDESIGNS.COM

EXCLUSIVITY BY DESIGN™
CW6-250 IPE

QTY: 4
'CREEKVIEW' 4-SEAT IPE TABLE SET
BY: KEYSTONE RIDGE DESIGNS
N.T.S.

CHESSE BOARD GAME INSET
ON 4-SEAT TABLE SET
QTY: 2

SLAT STYLE: IPE WOOD
FRAME COLOR: MATTE BLACK POWDER COAT

KEYSTONE RIDGE DESIGNS, INC.
870 MERCER ROAD
BUTLER, PA 16001
PHONE: 1-800-284-6208
FAX: (724) 284-1253
WWW.KEYSTONERIDGEDESIGNS.COM

EXCLUSIVITY BY DESIGN™
S-CW06-2A2N-SQ48

QTY: 3
'CREEKVIEW' 3-SEAT IPE TABLE SET
BY: KEYSTONE RIDGE DESIGNS
N.T.S.

FRAME COLOR TO BE PANTONE 289 C
PER CAPE MAY COUNTY PLACEMAKING PLAN

KEYSTONE RIDGE DESIGNS, INC.
870 MERCER ROAD
BUTLER, PA 16001
PHONE: 1-800-284-6208
FAX: (724) 284-1253
WWW.KEYSTONERIDGEDESIGNS.COM

EXCLUSIVITY BY DESIGN™
SN01-3

QTY: 4
'SONANCE' ONE LOOP BIKE RACK
BY: KEYSTONE RIDGE DESIGNS
N.T.S.

CONCRETE COLOR STAIN:
SMOKE (NR-5105R)X3
BY INTERSTAR PIGMENTS
(APPROX. 2.5 SY)

RELOCATED ANCHOR SET
ON CONCRETE PAD

PROPOSED 4" THICK
CONCRETE PAD

PLAN VIEW
PERSPECTIVE

N.T.S.
RELOCATED ANCHOR DETAIL

LEOPOLDgallery
+ARTconsulting
324 WEST 63RD STREET
KANSAS CITY, MO 64113
816.333.3111
info@leopoldgallery.com
www.leopoldgallery.com

STYLE: TWISTER OVAL
SIZE: SUB-HUGE
DIMENSIONS: 14'-3" x 4'-2"
PLUS: 36" EXTENSION KIT

STEEL PLANTER
(SEE PLAN)

FINISH GRADE

SEE FOOTING DETAIL

QTY: 1
KINETIC COPPER SCULPTURE #1
BY ARTIST: LYMAN WHITAKER
N.T.S.

LEOPOLDgallery
+ARTconsulting
324 WEST 63RD STREET
KANSAS CITY, MO 64113
816.333.3111
info@leopoldgallery.com
www.leopoldgallery.com

STYLE: DOUBLE SPINNER
SIZE: X-LARGE
DIMENSIONS: 9'-3" x 3'-9"
PLUS: 36" EXTENSION KIT

FINISH GRADE

SEE FOOTING DETAIL

QTY: 1
KINETIC COPPER SCULPTURE #2
BY ARTIST: LYMAN WHITAKER
N.T.S.

LEOPOLDgallery
+ARTconsulting
324 WEST 63RD STREET
KANSAS CITY, MO 64113
816.333.3111
info@leopoldgallery.com
www.leopoldgallery.com

STYLE: COUNTERPOINT
SIZE: LARGE
DIMENSIONS: 7'-9" x 2'-11"
PLUS: 33" EXTENSION KIT

FINISH GRADE

SEE FOOTING DETAIL

QTY: 1
KINETIC COPPER SCULPTURE #3
BY ARTIST: LYMAN WHITAKER
N.T.S.

FINISH GRADE

KINETIC SCULPTURE
EXTENSION ROD PER
MANUFACTURER

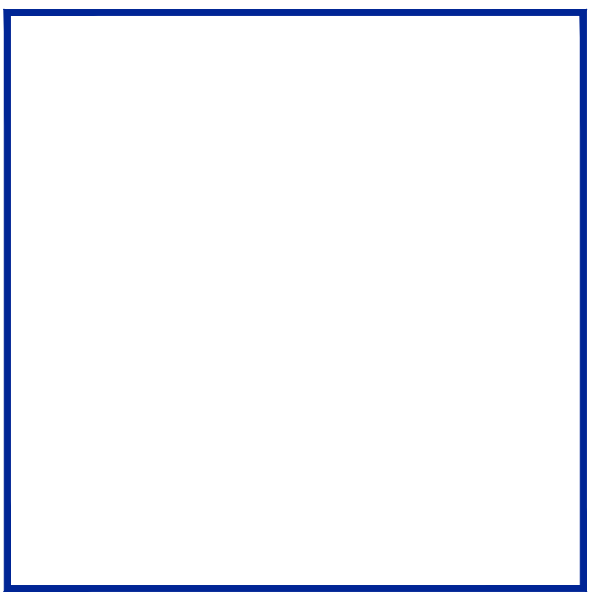
DEPTH VARIES

CONCRETE FOOTING

12" DIA. X 36" DEEP
CONCRETE FOOTING FOR
TWISTER OVAL (SUB-HUGE)

12" DIA. X 24" DEEP
CONCRETE FOOTING FOR
DOUBLE SPINNER (X-LARGE)
AND COUNTERPOINT (LARGE)

QTY: 1
KINETIC SCULPTURE FOOTING DETAIL
N.T.S.



Engineering Design Associates, P.A.
Engineers Environmental Planners Landscape Architects

CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION: 24G2979300

ENGINEERING DETAILS
BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO

PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

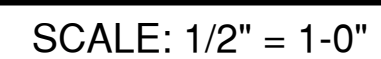
NEW JERSEY
No. 32498
V. C. ORLANDO
Professional Engineer

IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A
RAISED SEAL IMPRESSION BEARING THE NAME AND
REGISTRATION NUMBER OF THE ABOVE SIGNED
PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED
COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE
BEEN ALTERED. REPRODUCTION OR FURTHER
DISSEMINATION OF THE CONTENTS IN WHOLE OR
IN PART REQUIRES PERMISSION IN WRITING FROM
ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION	DATE	BY



DATE: 09/15/25	DRAWN BY: NEW
SCALE: AS NOTED	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 8 OF 13

CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

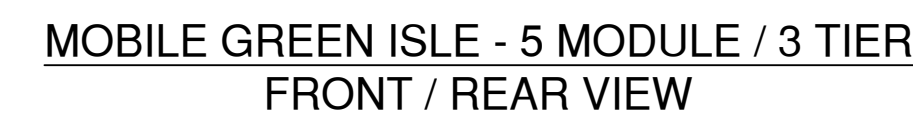
IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A
RAISED SEAL IMPRESSION BEARING THE NAME AND
REGISTRATION NUMBER OF THE ABOVE SIGNED
PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED
COPY OF THE ORIGINAL DOCUMENT AND MAY HAVE
BEEN ALTERED. REPRODUCTION OR FURTHER
DISSEMINATION OF THE CONTENTS IN WHOLE OR
IN PART REQUIRES PERMISSION IN WRITING FROM
ENGINEERING DESIGN ASSOCIATES, P.A.

DATE: 09/15/25	DRAWN BY: NEW
SCALE: AS NOTED	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 9 OF 13



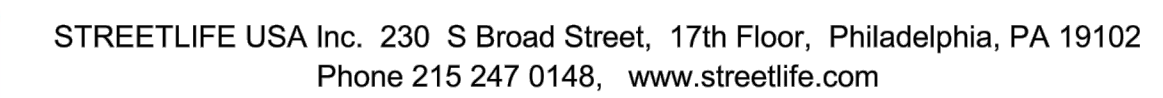
Our designs are protected by copyright, design right and other intellectual property rights.
Any use is restricted to authorized professionals and for the agreed purposes only.

MOBILE GREEN ISLE - TIER 1

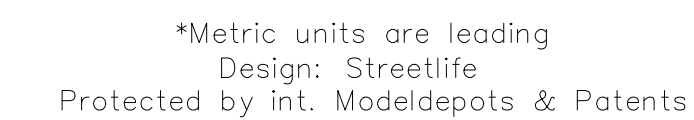


Our designs are protected by copyright, design right and other intellectual property rights.
Any use is restricted to authorized professionals and for the agreed purposes only.

MOBILE GREEN ISLE - TIER 2



MOBILE GREEN ISLE - 5 MODULE / 3 TIER
SIDE VIEW



Our designs are protected by copyright, design right and other intellectual property rights.
Any use is restricted to authorized professionals and for the agreed purposes only.

MOBILE GREEN ISLE - TIER 3

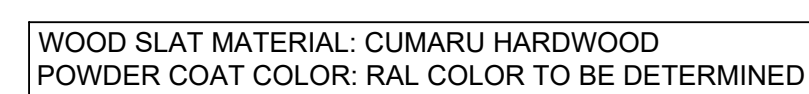
N.T.S.



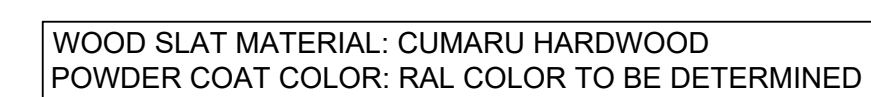
WOOD SLAT MATERIAL: CUMARU HARDWOOD
POWDER COAT COLOR: RAL COLOR TO BE DETERMINED

QTY: 1

N.T.S.



STREETLIFE USA Inc. 230 S Broad Street, 17th Floor, Philadelphia, PA 19102
Phone 215 247 0148, www.streetlife.com



WOOD SLAT MATERIAL: CUMARU HARDWOOD
POWDER COAT COLOR: RAL COLOR TO BE DETERMINED

QTY: 2

N.T.S.

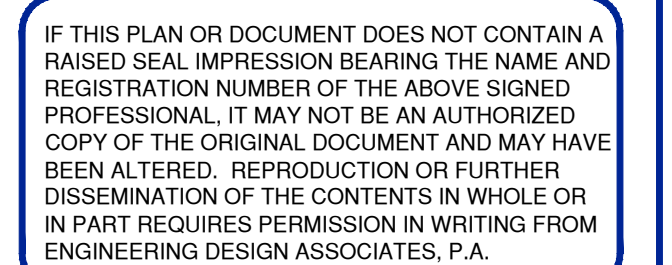


CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-0332 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION#: 24GA27970300

ENGINEERING DETAILS
BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

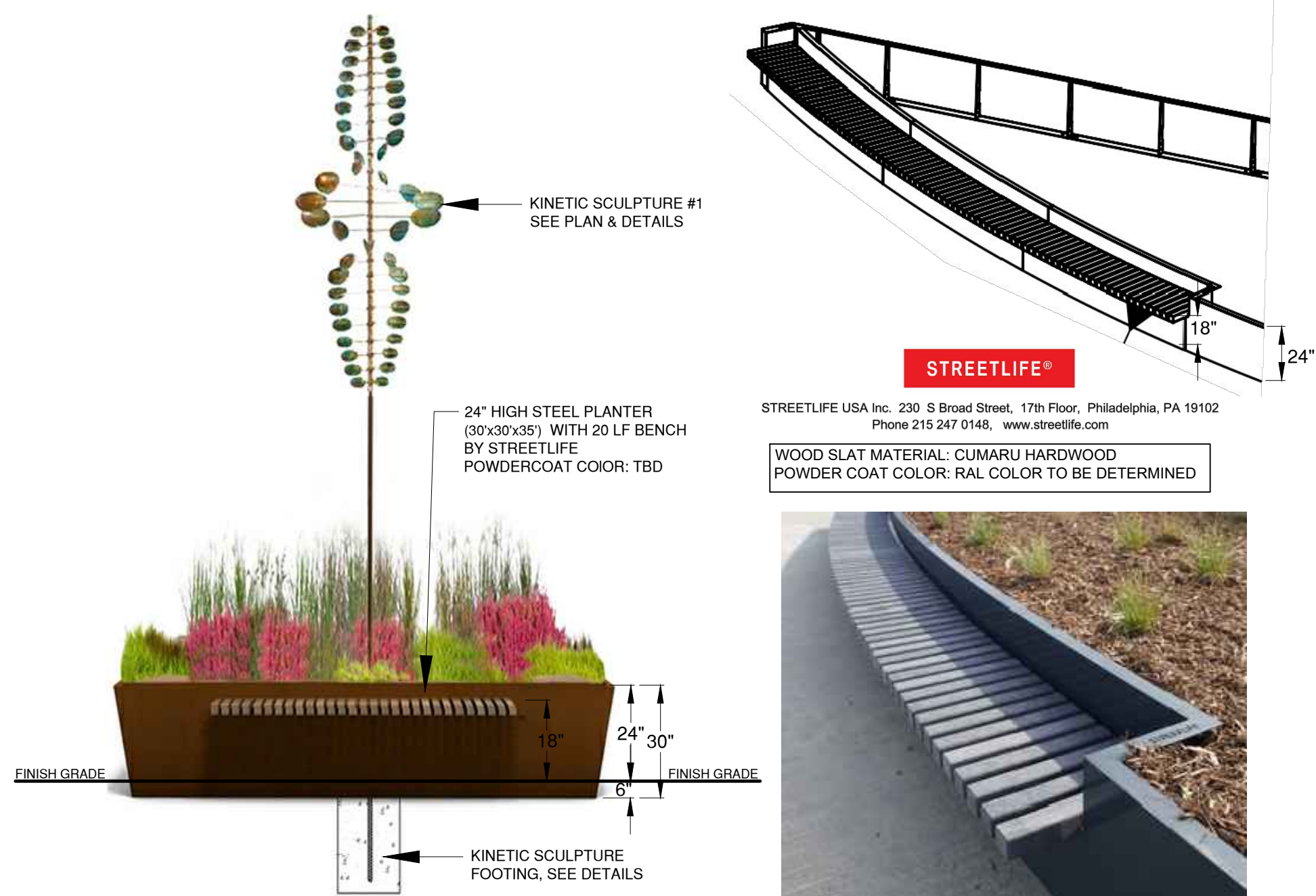
VINCENT C. ORLANDO

PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498



EDA

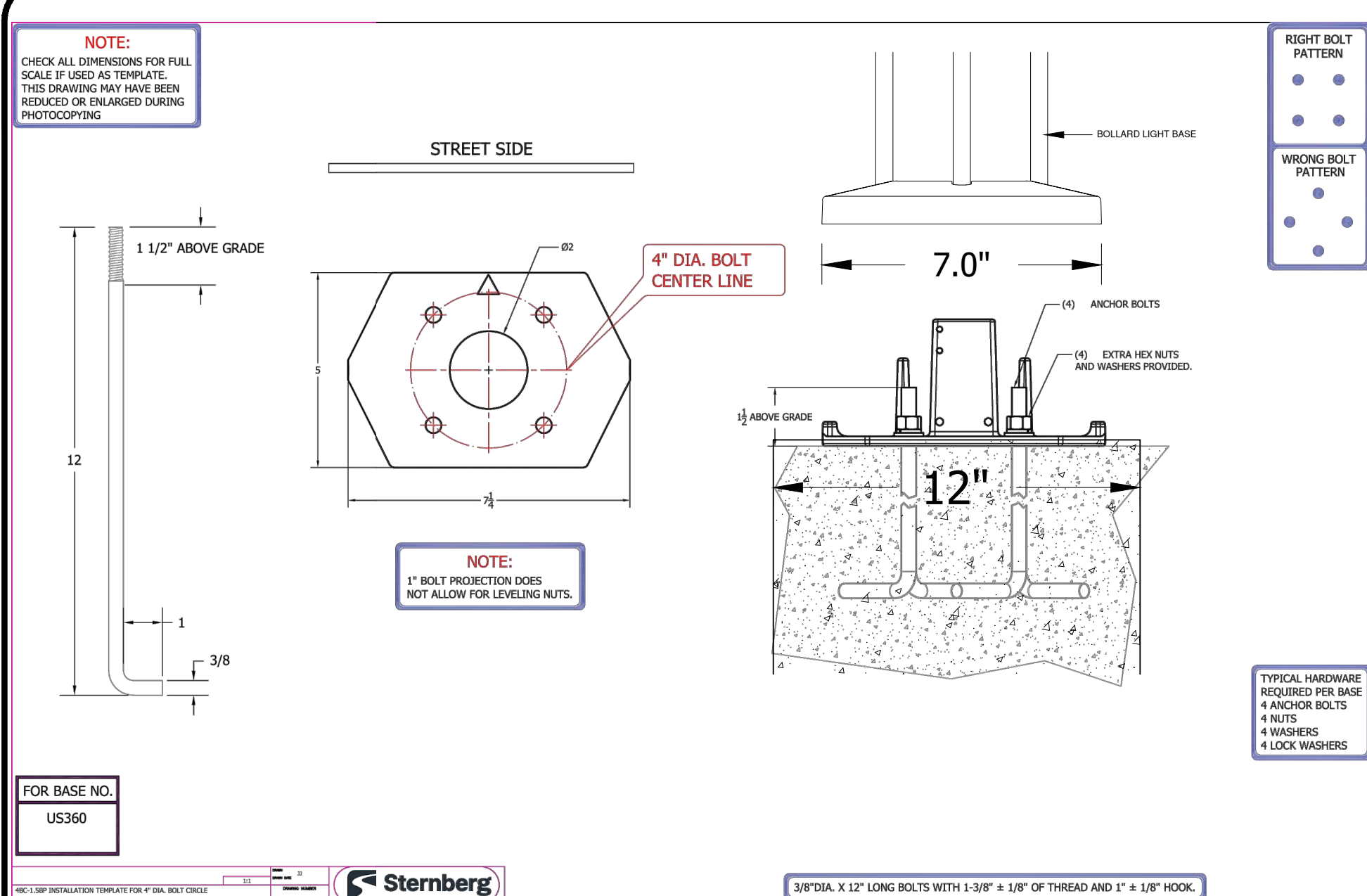
DATE: 09/15/25	DRAWN BY: NEW
SCALE: AS NOTED	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 10 OF 13



TRIANGLE STEEL PLANTER

BY: STREETLIFE

N.T.S.



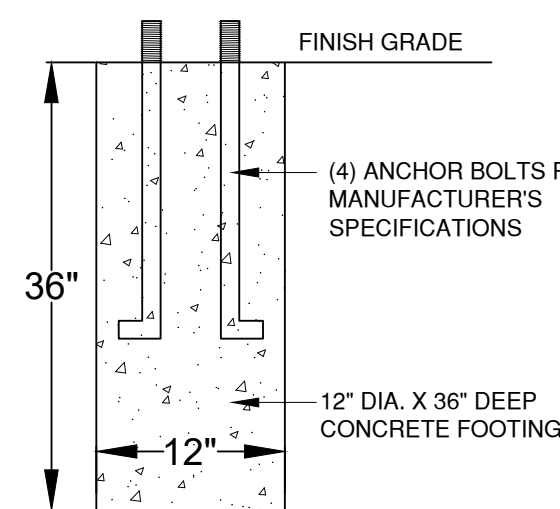
BOLLARD LIGHT BASE DETAIL
BY: STERNBERG - USONIA BOLLARD

N.T.S.



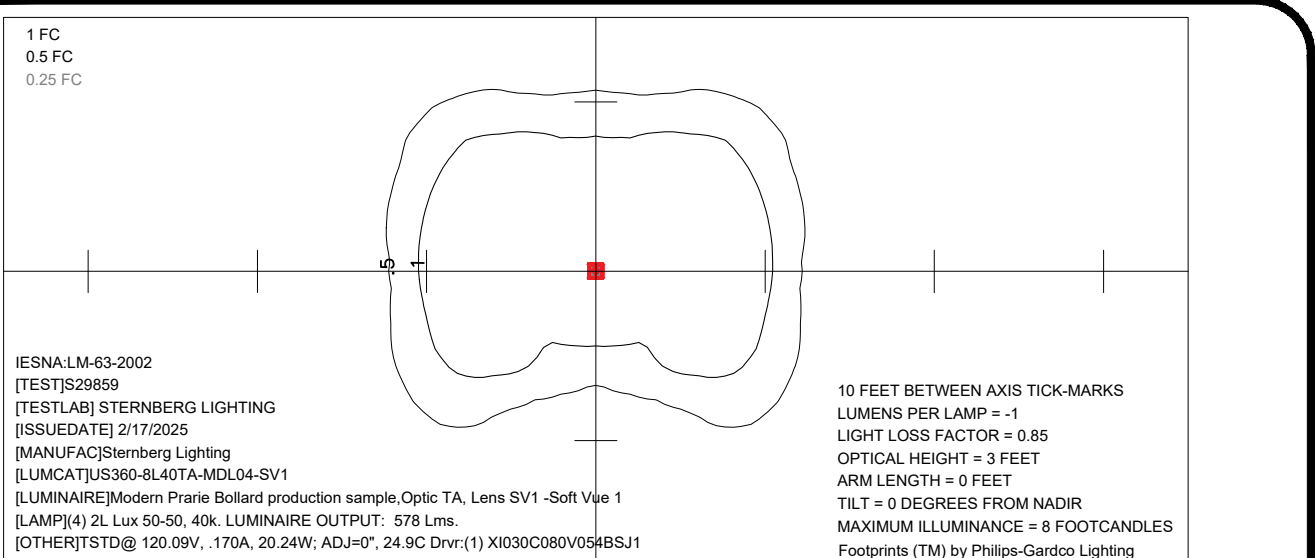
PROSPOT 3 LIGHTING DETAIL
BY: INSIGHT LIGHTING

N.T.S.



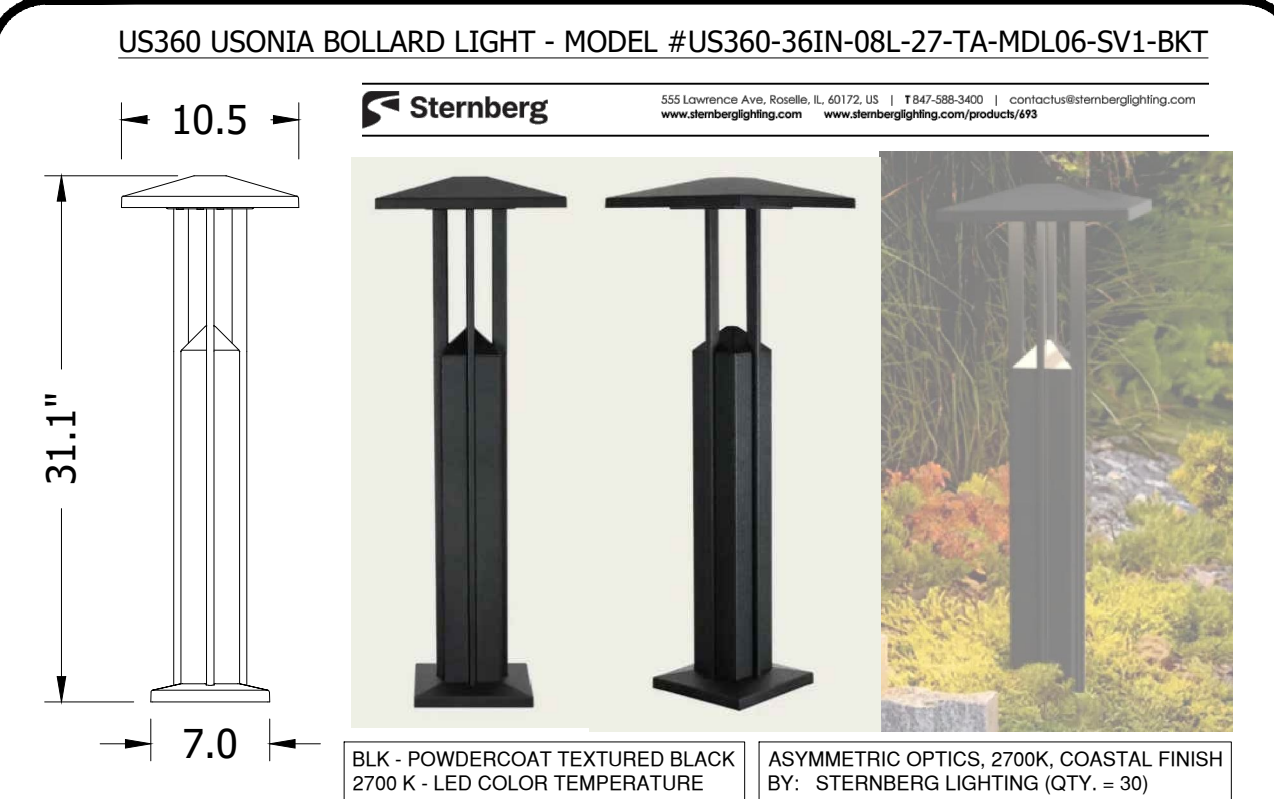
BOLLARD LIGHT FOOTING DETAIL

N.T.S.



BOLLARD PHOTOMETRIC DETAIL
BY: STERNBERG - USONIA BOLLARD

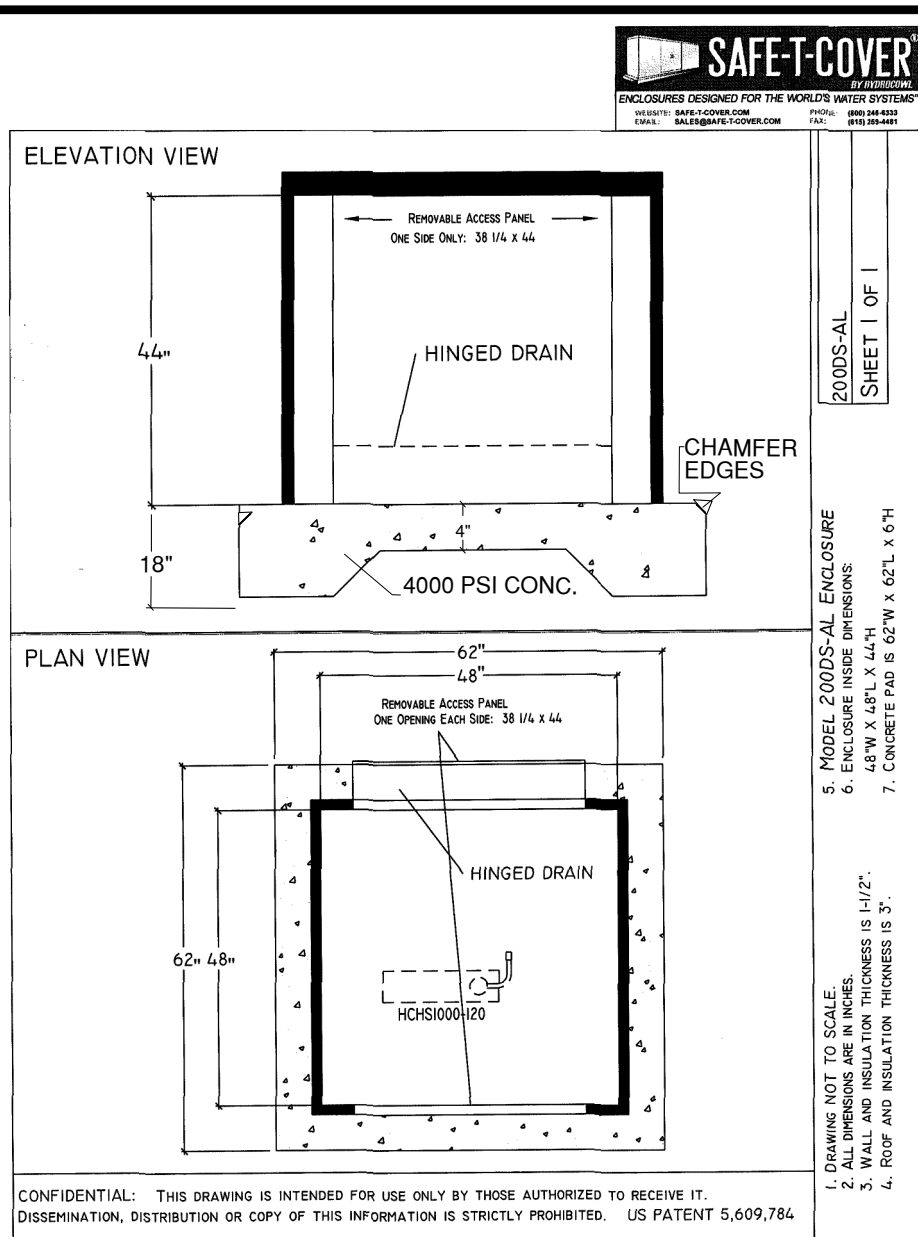
N.T.S.



BOLLARD LIGHT DETAIL
BY: STERNBERG - USONIA BOLLARD

QTY: 30

N.T.S.



ELECTRICAL CABINET DETAIL & IRRIGATION CONTROL BOX DETAIL

QTY = 2



IN-GRADE RECESSED UPLIGHT
BY: VISION 3

N.T.S.



PORTSIDE PENDANT LIGHT
BY: STUDIO M LIGHTING N.Y.

N.T.S.

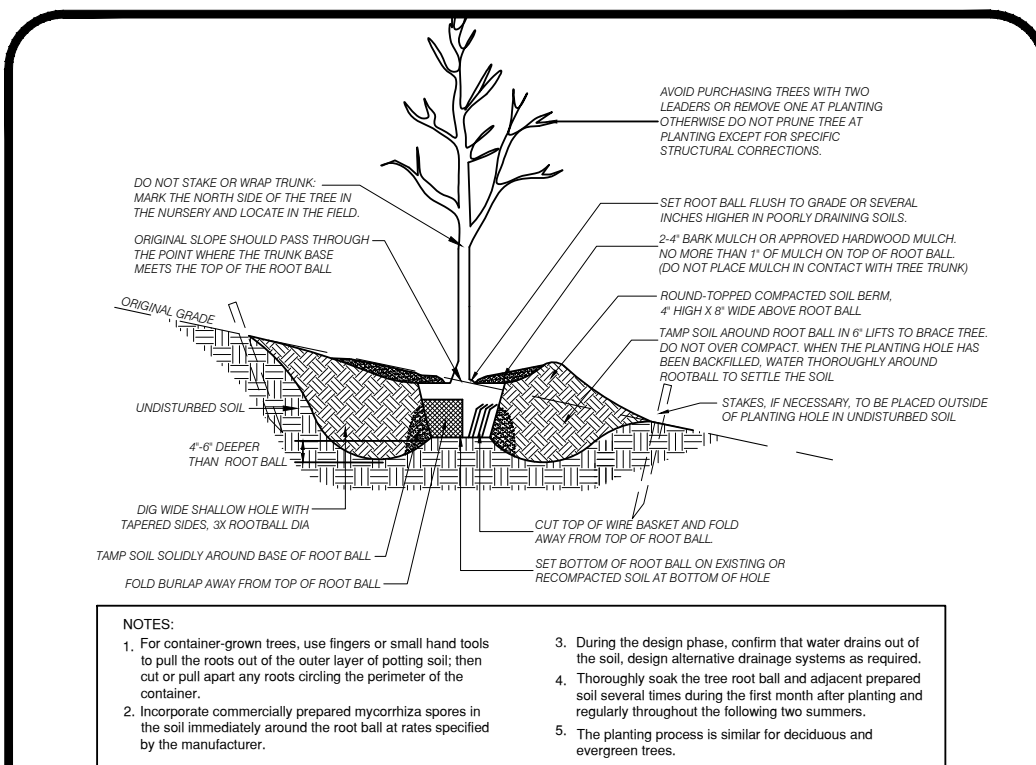


ENCAPSULATED LED FLEXIBLE LIGHT DETAIL
BY: LUCETTA

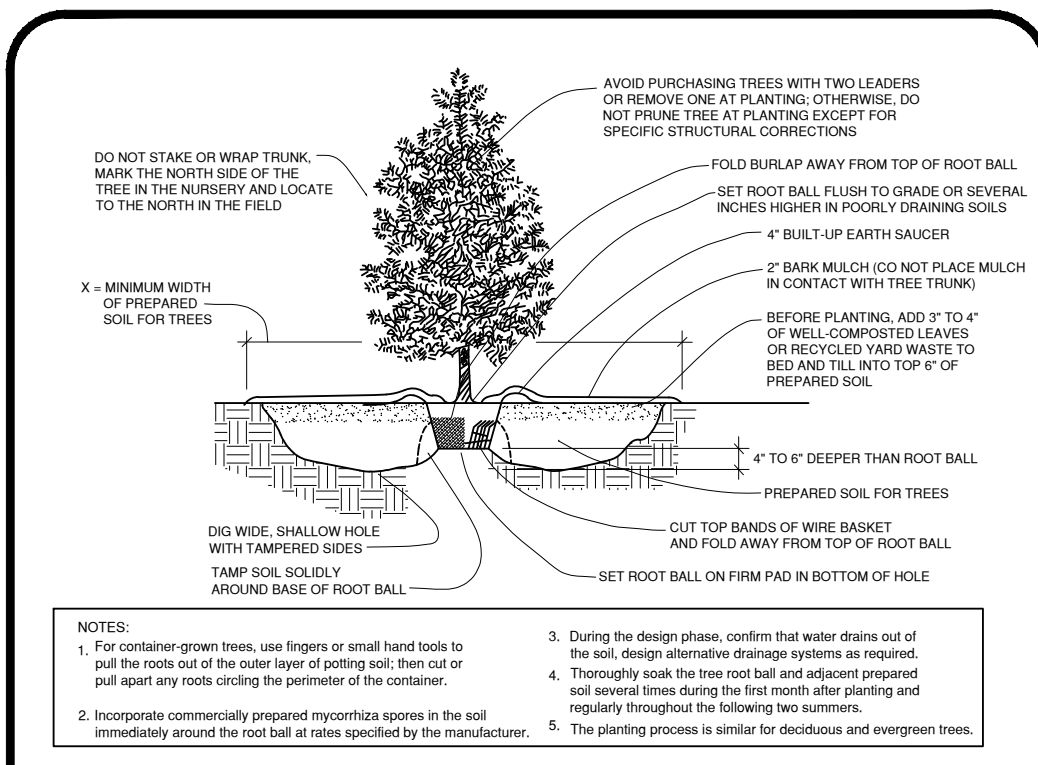
N.T.S.

TREES						
ABRV	BOTANICAL NAME	COMMON NAME	MATURE SIZE	PLANTING SIZE	NOTES	QTY
BE	BETULA NIGRA DURA-HEAT	DURA-HEAT RIVER BIRCH	35' H x 20' W	8'-10' HT.	B&B	8
CC	CERCIS CANADENSIS 'MERLOT'	MERLOT EASTERN REDBUD	12' H x 12' W	6'-7' HT.	B&B	4
CJ	CRYPTOMERIA JAPONICA 'BLACK DRAGON'	BLACK DRAGON JAPANESE CEDAR	7' H x 4' W	4'-5' HT.	B&B	12
CO	CORYLUS AMERICANA	AMERICAN HAZELNUT	10' H x 8' W	4'-5' HT.	B&B	3
CV	CHIONANTHUS VIRGINICUS	WHITE FRINGE TREE	15' H x 12' W	5'-6' HT.	B&B	4
IO	ILEX 'NELLIE R. STEVENS'	NELLIE R. STEVENS HOLLY	20' H x 12' W	5'-6' HT.	B&B	2
JT	JUNIPERUS CHINENSIS 'TORULOSA'	HOLLYWOOD JUNIPER	20' H x 15' W	5'-6' HT.	B&B	6
JV	JUNIPERUS VIRGINIANA 'CANAERTII'	CANAERTII EASTERN RED CEDAR	20' H x 10' W	5'-6' HT.	B&B	3
LA	LAGERSTROEMIA 'SIOUX'	SIOUX CRAPE MYRTLE	16' H x 16' W	7'-8' HT.	B&B	2
MV	MAGNOLIA VIRGINIANA AUSTRALIS 'PERRY PAIGE'	SWEET THING SWEETBAY MAGNOLIA	12' H x 8' W	4'-5' HT.	B&B	5
PS	PRUNUS SEROTINA	BLACK CHERRY	40 H x 20' W	6'-7' HT.	B&B	2
NOTE: ALL LANDSCAPED AREAS SHALL BE IRRIGATED. IRRIGATION SYSTEM TO HAVE RAIN SENSOR. IRRIGATION DESIGN TO BE PROVIDED BY LANDSCAPE CONTRACTOR & SUBMITTED TO CONSTRUCTION OFFICE.			TOTAL TREE REPLACEMENT: 51			

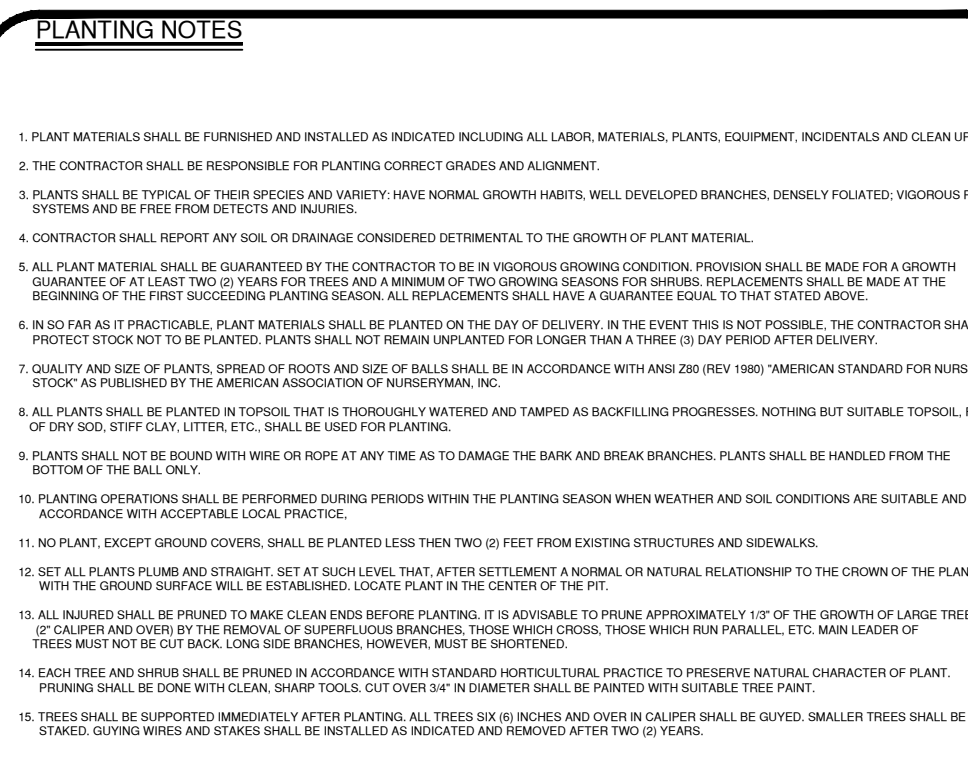
TREE PLANTING SCHEDULE



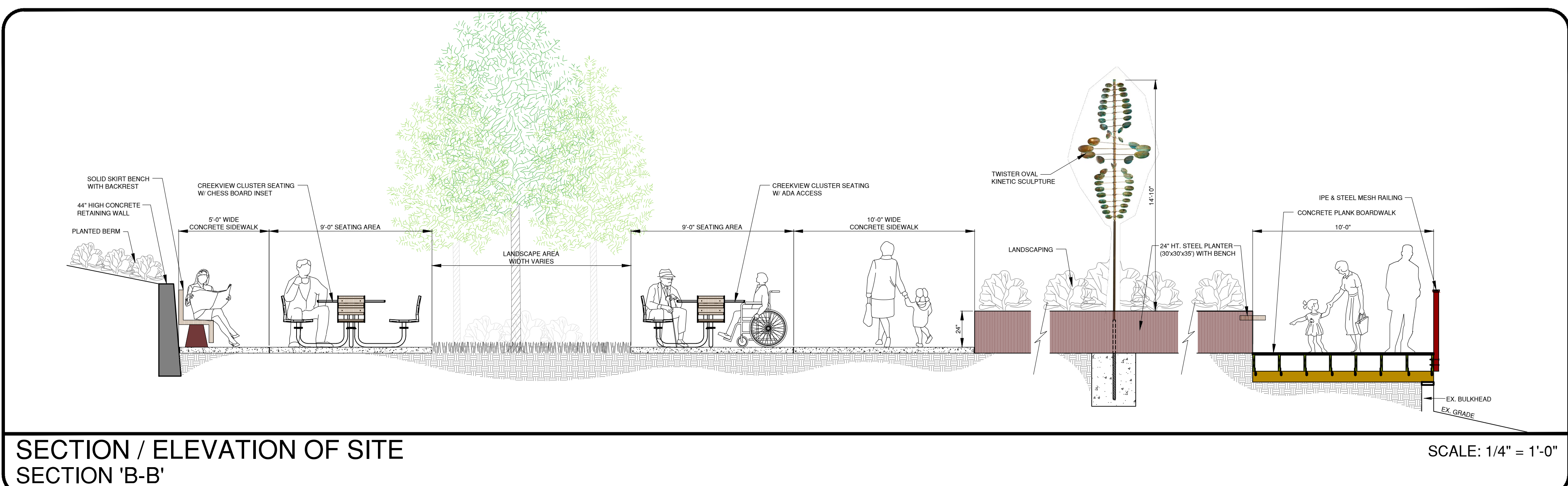
SLOPE PLANTING DETAIL N.T.S.



TREE PLANTING DETAIL N.T.S.



PLANTING NOTES



SECTION / ELEVATION OF SITE SECTION 'B-B'

SHRUBS					
BK	BERBERIS THUNBERGII 'KASIA'	SUNJOY MINI SAFFRON BARBERRY	#3	CONT.	21
BN	BERBERIS THUNBERGII 'NCBT2'	SUNJOY NEO BARBERRY	#3	CONT.	20
CA	CLETHRA ALNIFOLIA 'RUBY SPICE'	RUBY SPICE SPICEBUSH	#5	CONT.	9
CN	CEANOTHUS AMERICANUS	NEW JERSEY TEA	#3	CONT.	29
CP	COMPTONIA PERGRINA	SWEET FERN	#1	CONT.	32
DY	DEUTZIA X 'YUKI KABUKI'	YUKI KABUKI DEUTZIA	#3	CONT.	31
HK	HYPERICUM KALMIANUM	KALM'S ST. JOHN'S WORT	#3	CONT.	32
HP	HYDRANGEA PANICULATA 'LITTLE LIME PUNCH'	LITTLE LIME PUNCH HYDRANGEA	#5	CONT.	9
IG	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	#5	CONT.	19
IGS	ILEX GLABRA 'SMNGLA'	SQUEEZE BOX INKBERRY HOLLY	#3	CONT.	2
IT	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY SWEETSPIRE	#3	CONT.	13
IVB	ILEX VERTICILLATA 'BERRY POPPINS'	BERRY POPPINS WINTERBERRY HOLLY (FEMALE)	#5	CONT.	23
IVM	ILEX VERTICILLATA 'MR. POPPINS'	MR. POPPINS WINTERBERRY HOLLY (MALE)	#5	CONT.	5
JC	JUNIPERUS COMMUNIS 'SMNJC'	TORTUGA JUNIPER	#3	CONT.	76
JG	JUNIPERUS VIRGINIANA 'GREY OWL'	GREY OWL JUNIPER	#5	CONT.	8
PL	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN CHERRY LAURAL	#5	CONT.	22
PM	PRUNUS MARITIMA	BEACH PLUM	#5	CONT.	6
PO	PHYSOCARPUS OPULIFOLIUS 'SMNPOBLR'	GINGER WINE NINEBARK	#5	CONT.	17
RR	ROSA 'RADTKO'	DOUBLE KNOCK OUT ROSE	#3	CONT.	6
SD	SPIREA X 'DOUBLE PLAY DOOZIE'	DOUBLE PLAY DOOZIE SPIREA	#3	CONT.	18

PERENNIAL / GROUNDCOVER					
AS	ALLIUM 'SERENDIPITY'	SERENDIPITY ORNAMENTAL ONION	#1	CONT.	21
AT	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	#1	CONT.	16
AU	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	#1	CONT.	69
CE	CAREX OSHIMENSIS 'EVERGOLD'	EVERGOLD SEDGE	#1	CONT.	94
EM	ECHINACEA DOUBLE CODED 'ONE IN A MELON'	ONE IN A MELON COLOR CODED CONEFLOWER	#1	CONT.	34
ER	ECHINACEA DOUBLE CODED 'RASPBERRY BERET'	RASPBERRY BERET COLOR CODED CONEFLOWER	#1	CONT.	52
HC	HEUCHERA 'PURPLE PALACE'	PURPLE PALACE CORAL BELLS	#1	CONT.	40
HS	HEMEROCALLIS 'STELLA DE ORO'	STELLA DE ORO DAYLILY	#1	CONT.	13
LB	LEUCANTHEMUM X SUPERBUM 'SNOWCAP'	SNOWCAP SHASTA DAISY	#1	CONT.	100
LS	LIATRIS SPICATA	BLAZING STAR	#1	CONT.	13
MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	#1	CONT.	36
NF	NEPETA X FAASSENII 'WALKER'S LOW'	WALKER'S LOW CATMINT	#1	CONT.	57

NOTE: ALL LANDSCAPED AREAS SHALL BE IRRIGATED. IRRIGATION SYSTEM TO HAVE RAIN SENSOR. IRRIGATION DESIGN TO BE PROVIDED BY LANDSCAPE CONTRACTOR & SUBMITTED TO CONSTRUCTION OFFICE.

SHRUB / PERENNIAL PLANTING SCHEDULE

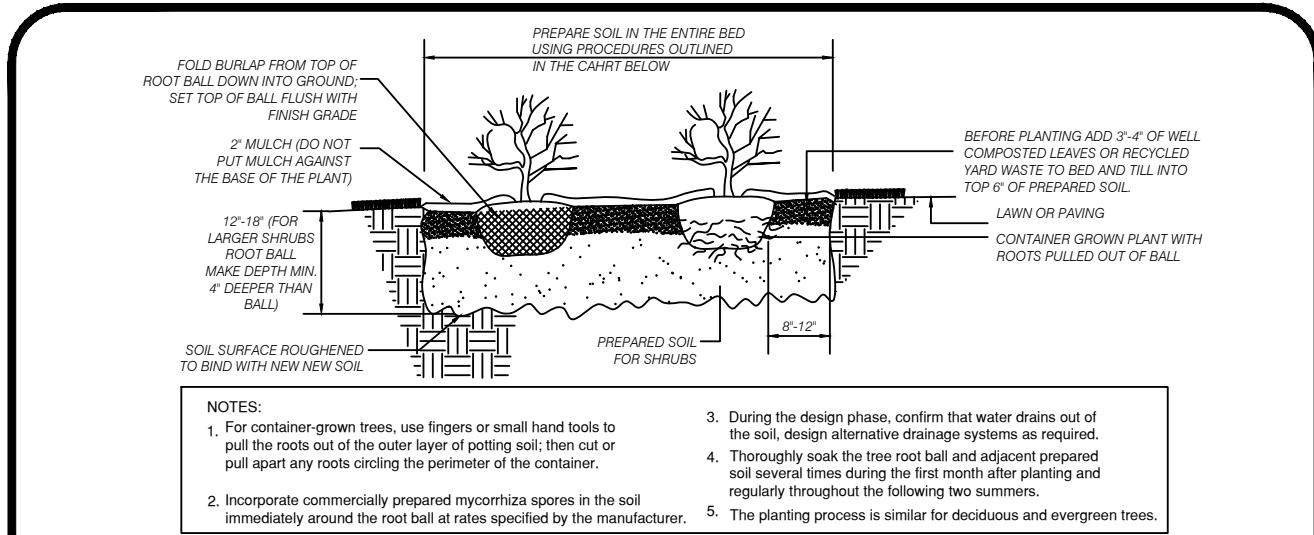
STANDARDS FOR TOPSOILING

METHODS AND MATERIALS

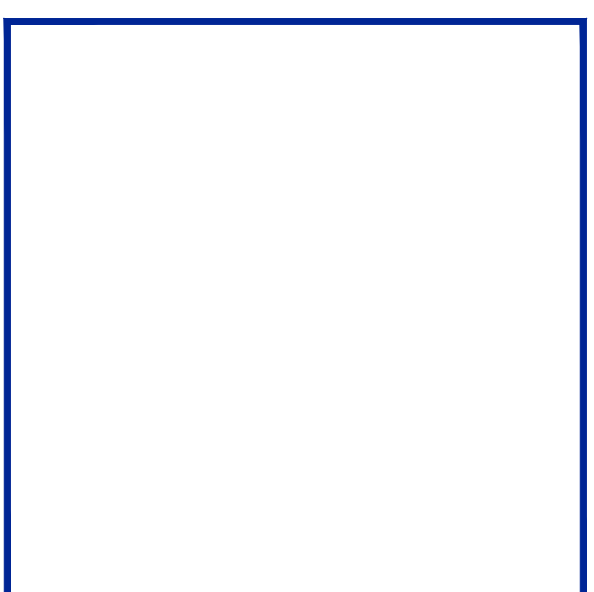
Topsoil should be friable and loamy, free of debris, objectionable weeds and stones, and contain no toxic substance that may be harmful to plant growth. A pH range of 5.0-7.5 is acceptable. Soluble salts should not be excessive (conductivity less than 0.5 millimhos per centimeter). Topsoil hauled in from off site should have a minimum organic matter content of 2.75 percent. Organic matter content may be raised by additives.

1. Stockpiling
 - a. Stockpiles of topsoil should be situated so as not to obstruct natural drainage or cause off-site environmental damage.
 - b. Stockpiles should be vegetated in accordance with temporary seeding specifications on soil erosion sheet.
2. Site Preparation
 - a. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application and anchoring, and maintenance.
 - b. Subsoil should be tested for lime requirement and limestone, if needed, should be applied to bring soil pH to 6.5 and incorporate into the soil as nearly as practical to a depth of 4 inches.
 - c. Immediately prior to topsoil distribution, the surface should be scarified to provide a good bond with the topsoil.
 - d. Employ needed erosion control practices such as diversions, grade stabilization structures, channel stabilization measures, sedimentation basins, and waterways.
3. Applying Topsoil
 - a. Topsoil should be handled only when it is dry enough to work without damaging soil structure, i.e., less than field capacity.
 - b. A uniform application to a depth of 5 inches (unsettled) is recommended. Soils with a pH of 4.0 or less or containing iron sulfide shall be covered with a minimum depth of 12 inches of soil having a pH of 5.0 or more.

TOPSOIL NOTES



TREE PLANTING DETAIL N.T.S.



Engineering Design Associates, P.A.
Environmental Planners Landscape Architects
CAMBRIDGE PROFESSIONAL OFFICES
5 Cambridge Drive Ocean View New Jersey 08230
(609) 390-9204 • Fax (609) 390-9204 • www.engineeringdesign.com • CERTIFICATE OF AUTHORIZATION# 24GA2979300

ENGINEERING DETAILS
BLOCK 1173 LOT 1
CITY OF CAPE MAY
CAPE MAY COUNTY, NEW JERSEY

VINCENT C. ORLANDO
PROFESSIONAL ENGINEER
N.J.P.E. LIC. #32498

IF THIS PLAN OR DOCUMENT DOES NOT CONTAIN A RAISED SEAL IMPRESSION BEARING THE NAME AND REGISTRATION NUMBER OF THE ABOVE SIGNED PROFESSIONAL, IT MAY NOT BE AN AUTHORIZED COPY OF THE ORIGINAL DOCUMENT AND MAY BE ALTERED. REPRODUCTION OR FURTHER DISSEMINATION OF THE CONTENTS IN WHOLE OR IN PART REQUIRES PERMISSION IN WRITING FROM ENGINEERING DESIGN ASSOCIATES, P.A.

REVISION	DATE	BY



DATE: 09/15/25	DRAWN BY: NEW
SCALE: AS NOTED	CHECKED BY: VCO
PROJECT #: CM-124	SHEET: 12 OF 13

