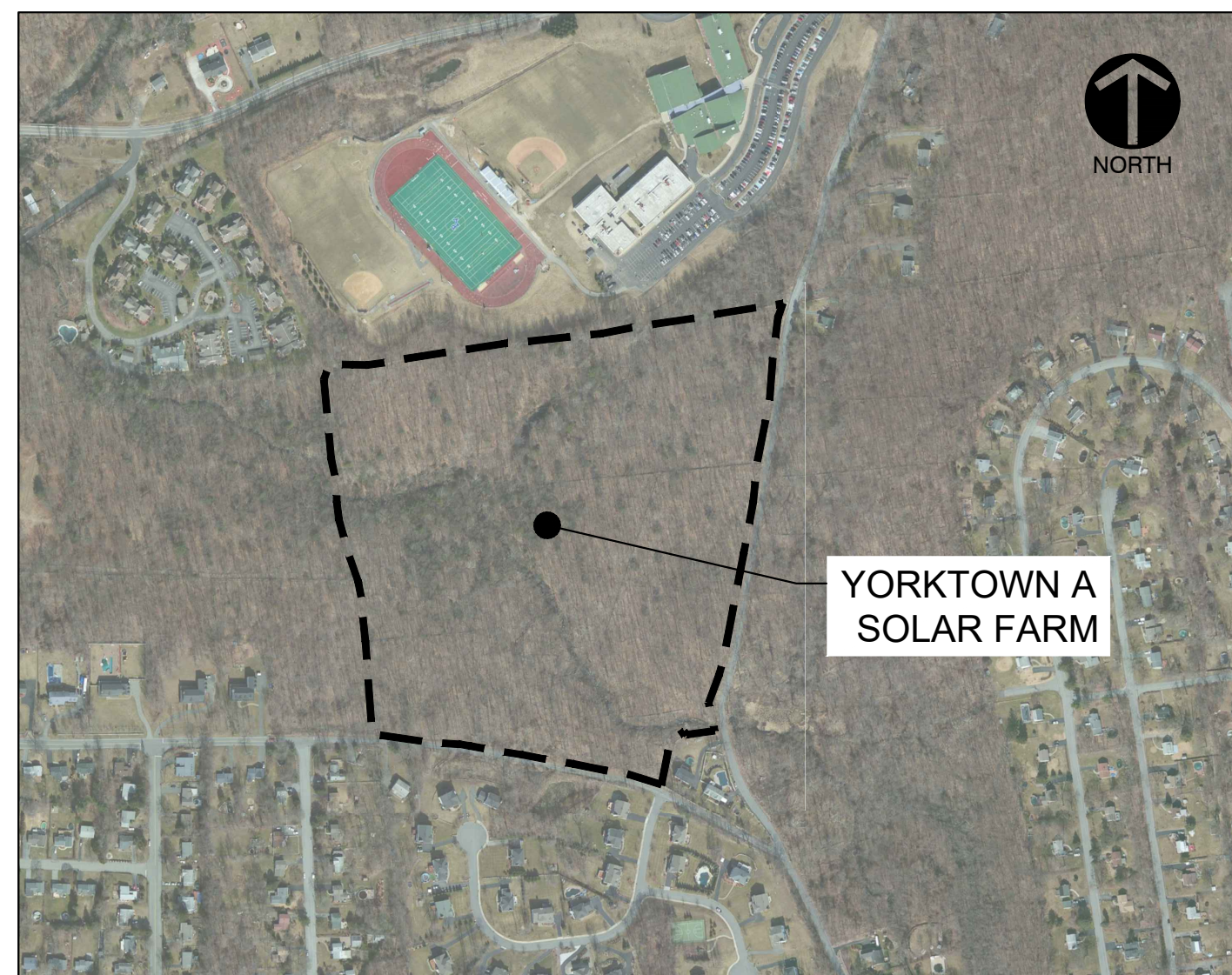


CON EDISON CLEAN ENERGY BUSINESSES, INC.

YORKTOWN A SOLAR FARM SITE PLANS

FOOTHILL STREET
TOWN OF YORKTOWN



LOCATION MAP
1"=500'

SHEET INDEX			
C000	SHEET 1 OF	14	COVER SHEET
C001	SHEET 2 OF	14	OVERALL SITE PLAN
C002	SHEET 3 OF	14	SITE PLAN
C003	SHEET 4 OF	14	GRADING / SWPPP PLAN
C004	SHEET 5 OF	14	DETAILED GRADING PLAN
C005	SHEET 6 OF	14	DRIVEWAY DETAILS
C006	SHEET 7 OF	14	LANDSCAPING & PLANTING FOR MITIGATION PLAN
C007	SHEET 8 OF	14	PHASING PLAN
C008	SHEET 9 OF	14	GENERAL NOTES
C009	SHEET 10 OF	14	EROSION & SEDIMENT CONTROL DETAILS
C010	SHEET 11 OF	14	EROSION & SEDIMENT CONTROL DETAILS
C011	SHEET 12 OF	14	SITE DETAILS
C012 & C013	SHEET 13 & 14 OF	14	CONSTRUCTION DETAILS

PROJECT INFORMATION:

LATITUDE: 41.333 N
 LONGITUDE: 73.859 W
 TOWN: YORKTOWN
 COUNTY: WESTCHESTER
 STATE: NEW YORK

PROJECT OWNER/APPLICANT:

CON EDISON CLEAN ENERGY BUSINESSES, INC.
 100 SUMMIT LAKE DRIVE
 VALHALLA, NY 10595
 PH: (973) 600-4328
 CONTACT: JOE SHANAHAN

PREPARED BY:

BERGMANN
 2 WINNERS CIRCLE, SUITE 102
 ALBANY, NY 12205
 PH: (518) 862-0325
 CONTACT: ERIC REDDING, P.E.

YORKTOWN A SOLAR FARM

FOOTHILL STREET

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

**CON EDISON CLEAN
ENERGY BUSINESSES, INC.**

100 SUMMIT LAKE DRIVE
VALHALLA, NY 10595



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2 Winners Circle, Suite 102
Albany, NY 12205

office: 518.862.0325

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COVER SHEET

C000

YORKTOWN A SOLAR FARM

FOOTHILL STREET

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

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100 SUMMIT LAKE DRIVE
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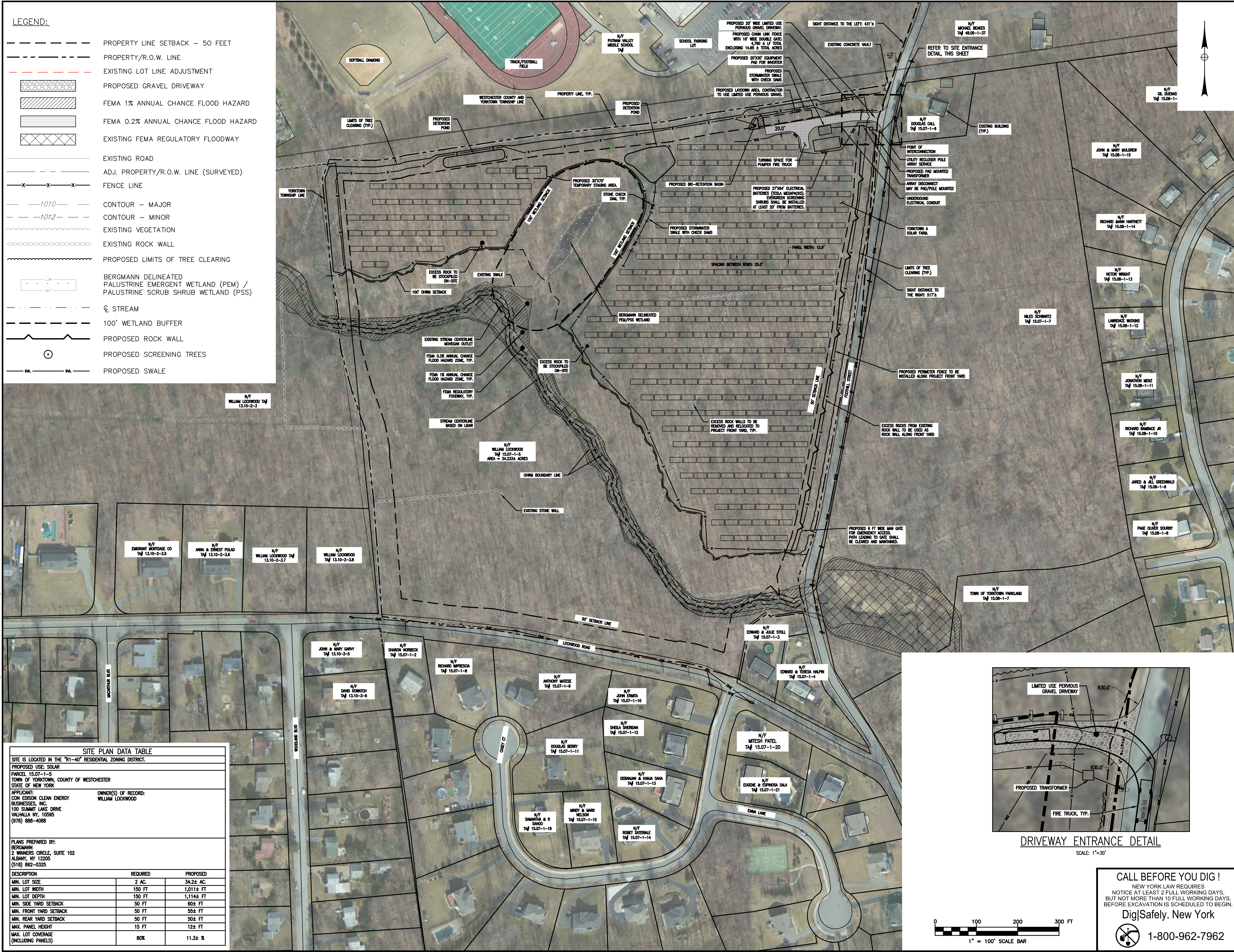
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DATE: OCTOBER 27, 2020	SCALE: 1"=100'
PROJECT NUMBER: 14847.00	

OVERALL SITE PLAN

Drawing Number:

C001



LEGEND:

- PROPERTY LINE SETBACK - 50 FEET
- PROPERTY/R.O.W. LINE
- - - EXISTING LOT LINE ADJUSTMENT
- [Pattern] PROPOSED GRAVEL DRIVEWAY
- [Pattern] FEMA 1% ANNUAL CHANCE FLOOD HAZARD
- [Pattern] FEMA 0.2% ANNUAL CHANCE FLOOD HAZARD
- [Pattern] EXISTING FEMA REGULATORY FLOODWAY
- EXISTING ROAD
- - - ADJ. PROPERTY/R.O.W. LINE (SURVEYED)
- x - x - FENCE LINE
- - -1010- CONTOUR - MAJOR
- - -1012- CONTOUR - MINOR
- [Pattern] EXISTING VEGETATION
- [Pattern] EXISTING ROCK WALL
- [Pattern] PROPOSED LIMITS OF TREE CLEARING
- [Pattern] BERGMANN DELINEATED PALUSTRINE EMERGENT WETLAND (PEM) / PALUSTRINE SCRUB SHRUB WETLAND (PSS)
- Q STREAM
- 100' WETLAND BUFFER
- [Pattern] PROPOSED ROCK WALL
- [Symbol] PROPOSED SCREENING TREES
- PROPOSED SWALE

SITE PLAN DATA TABLE

SITE IS LOCATED IN THE "R1-40" RESIDENTIAL ZONING DISTRICT.

PROPOSED USE: SOLAR

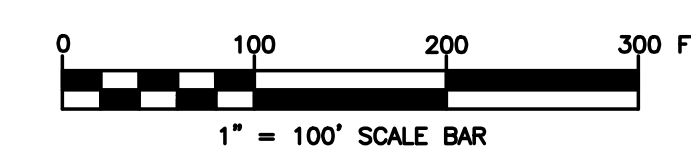
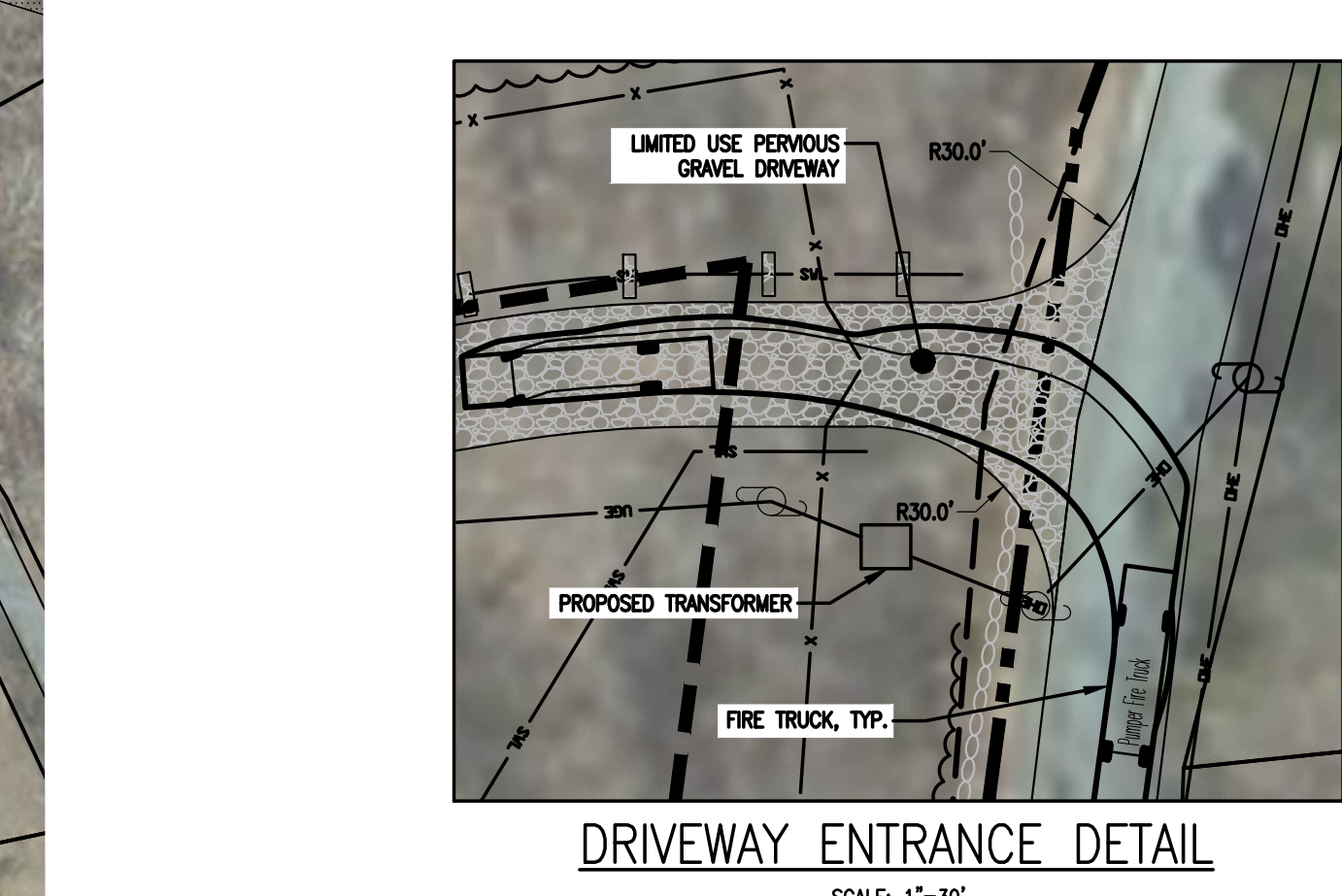
PARCEL 15.07-1-5
TOWN OF YORKTOWN, COUNTY OF WESTCHESTER
STATE OF NEW YORK

APPLICANT: CON EDISON CLEAN ENERGY BUSINESSES, INC.
100 SUMMIT LAKE DRIVE
VALHALLA NY, 10595
(978) 888-4088

OWNER(S) OF RECORD: WILLIAM LOCKWOOD

PLANS PREPARED BY: BERGMANN
2 WINNERS CIRCLE, SUITE 102
ALBANY, NY 12205
(518) 862-0325

DESCRIPTION	REQUIRED	PROPOSED
MIN. LOT SIZE	2 AC.	34.2± AC.
MIN. LOT WIDTH	150 FT	1,011± FT
MIN. LOT DEPTH	150 FT	1,114± FT
MIN. SIDE YARD SETBACK	50 FT	60± FT
MIN. FRONT YARD SETBACK	50 FT	55± FT
MIN. REAR YARD SETBACK	50 FT	50± FT
MAX. PANEL HEIGHT	15 FT	12± FT
MAX. LOT COVERAGE (INCLUDING PANELS)	80%	11.3± %



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2/8/2022 7:32 AM M:\Con Edison\CEB\014847.00 Con Edison CEB - Yorktown A Solar Farm\4.0 Dwg\4.1 CIV\114847.00 Site Plan.dwg

YORKTOWN A SOLAR FARM

FOOTHILL STREET

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

CON EDISON CLEAN ENERGY BUSINESSES, INC.

100 SUMMIT LAKE DRIVE
VALHALLA, NY 10595

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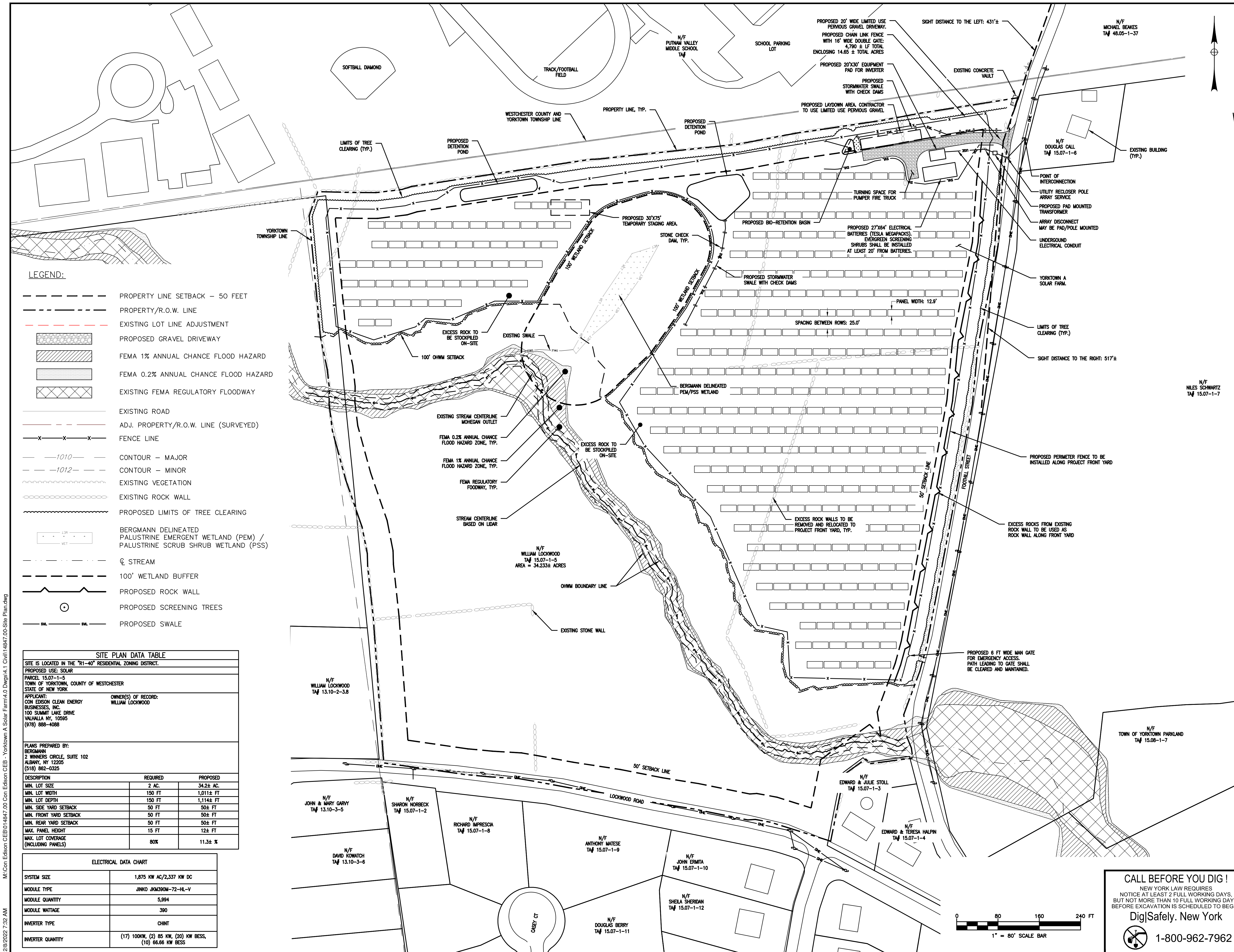
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Checked By WD	Drawn By WD
Date Issued OCTOBER 27, 2020	Scale 1"=80'
Project Number 14847.00	

SITE PLAN

C002



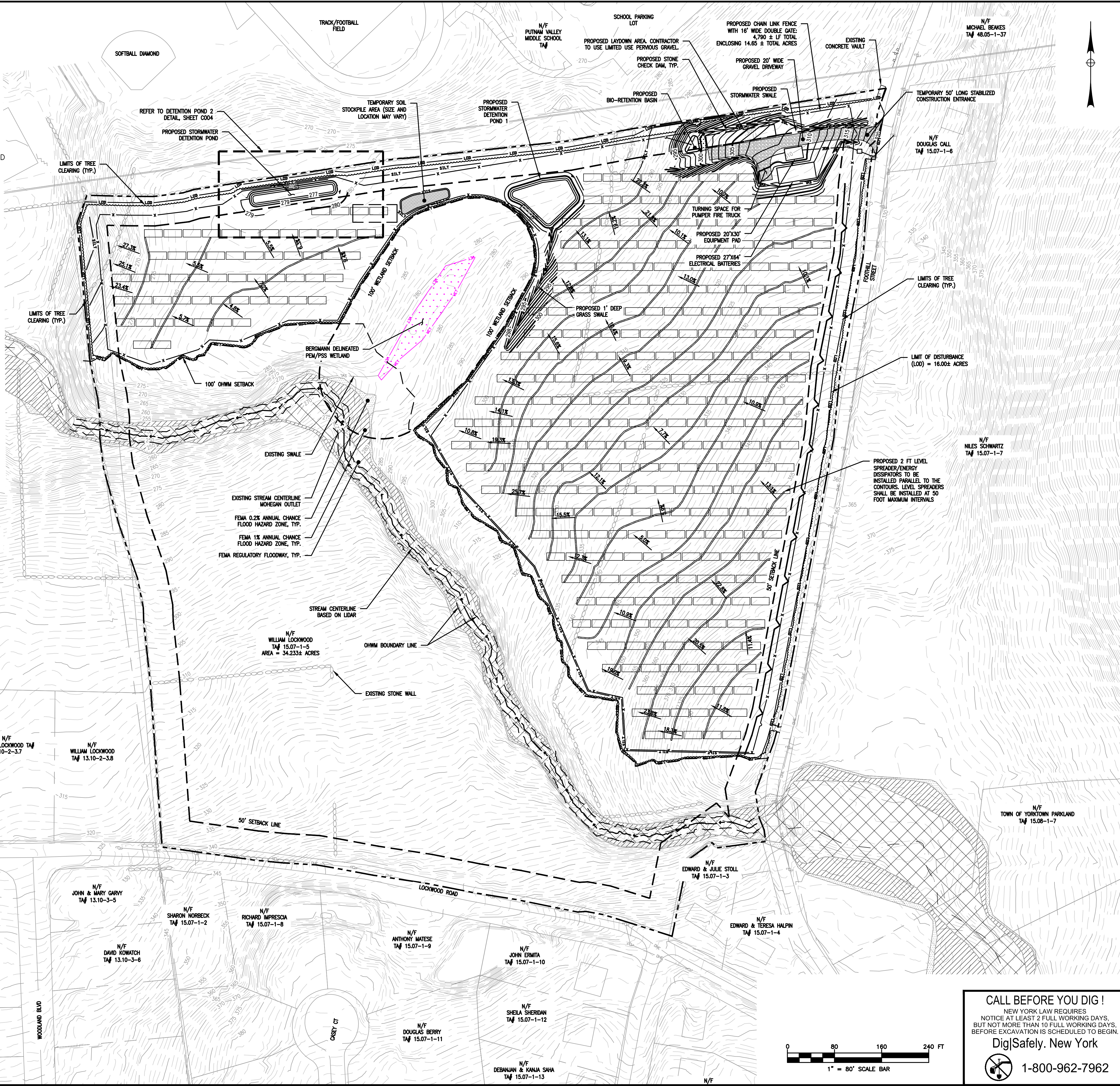
- LEGEND:**
- PROPERTY LINE SETBACK - 50 FEET
 - PROPERTY/R.O.W. LINE
 - EXISTING LOT LINE ADJUSTMENT
 - PROPOSED GRAVEL DRIVEWAY
 - FEMA 1% ANNUAL CHANCE FLOOD HAZARD
 - FEMA 0.2% ANNUAL CHANCE FLOOD HAZARD
 - EXISTING FEMA REGULATORY FLOODWAY
 - EXISTING ROAD
 - ADJ. PROPERTY/R.O.W. LINE (SURVEYED)
 - FENCE LINE
 - CONTOUR - MAJOR
 - CONTOUR - MINOR
 - EXISTING VEGETATION
 - EXISTING ROCK WALL
 - PROPOSED LIMITS OF TREE CLEARING
 - BERGMANN DELINEATED PALUSTRINE EMERGENT WETLAND (PEM) / PALUSTRINE SCRUB SHRUB WETLAND (PSS)
 - STREAM
 - 100' WETLAND BUFFER
 - PROPOSED ROCK WALL
 - PROPOSED SCREENING TREES
 - PROPOSED SWALE

SITE PLAN DATA TABLE		
SITE IS LOCATED IN THE "R1-40" RESIDENTIAL ZONING DISTRICT.		
PROPOSED USE: SOLAR		
PARCEL 15.07-1-5 TOWN OF YORKTOWN, COUNTY OF WESTCHESTER STATE OF NEW YORK		
APPLICANT: CON EDISON CLEAN ENERGY BUSINESSES, INC. 100 SUMMIT LAKE DRIVE VALHALLA, NY, 10595 (878) 868-4088	OWNER(S) OF RECORD: WILLIAM LOCKWOOD	
PLANS PREPARED BY: BERGMANN 12 WINNERS CIRCLE, SUITE 102 ALBANY, NY 12205 (518) 862-0325		
DESCRIPTION	REQUIRED	PROPOSED
MIN. LOT SIZE	2 AC.	34.2± AC.
MIN. LOT WIDTH	150 FT	1,011± FT
MIN. LOT DEPTH	150 FT	1,114± FT
MIN. SIDE YARD SETBACK	50 FT	50± FT
MIN. FRONT YARD SETBACK	50 FT	50± FT
MIN. REAR YARD SETBACK	50 FT	50± FT
MAX. PANEL HEIGHT	15 FT	12± FT
MAX. LOT COVERAGE (INCLUDING PANELS)	80%	11.3± %
ELECTRICAL DATA CHART		
SYSTEM SIZE	1,875 KW AC/2,337 KW DC	
MODULE TYPE	JINKO JKM390M-72-HL-V	
MODULE QUANTITY	5,994	
MODULE WATTAGE	390	
INVERTER TYPE	CHINT	
INVERTER QUANTITY	(17) 100KW, (2) 85 KW, (20) KW BESS, (10) 66.66 KW BESS	

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2/8/2022 7:52 AM M:\Con Edison CEB\014847\00 Con Edison CEB - Yorktown A Solar Farm\K0 Dwg\K4.1 Civil\14847.00 Site Plan.dwg

- LEGEND:**
- PROPERTY LINE SETBACK - 50 FEET
 - - - PROPERTY/R.O.W. LINE (SURVEYED)
 - - - EXISTING LOT LINE ADJUSTMENT
 - [Pattern] PROPOSED GRAVEL DRIVEWAY
 - [Pattern] PROPOSED ASPHALT PAVEMENT
 - [Pattern] FEMA 1% ANNUAL CHANCE FLOOD HAZARD
 - [Pattern] FEMA 0.2% ANNUAL CHANCE FLOOD HAZARD
 - [Pattern] EXISTING FEMA REGULATORY FLOODWAY
 - EXISTING ROAD
 - - - ADJ. PROPERTY/R.O.W. LINE (SURVEYED)
 - x - x - FENCE LINE
 - - - EXISTING CONTOUR - MAJOR
 - - - EXISTING CONTOUR - MINOR
 - - - PROPOSED CONTOUR - MAJOR
 - - - PROPOSED CONTOUR - MINOR
 - [Pattern] EXISTING VEGETATION
 - [Pattern] EXISTING ROCK WALL
 - [Pattern] PROPOSED LIMITS OF TREE CLEARING
 - [Pattern] BERGMANN DELINEATED PALUSTRINE EMERGENT WETLAND (PEM) / PALUSTRINE SCRUB SHRUB WETLAND (PSS)
 - Q STREAM
 - - - 100' WETLAND BUFFER
 - - - LIMITS OF DISTURBANCE LINE
 - - - SILT SOCK
 - - - LEVEL SPREADER/ENERGY DISSIPATOR



YORKTOWN A SOLAR FARM

FOOTHILL STREET

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

CON EDISON CLEAN ENERGY BUSINESSES, INC.

100 SUMMIT LAKE DRIVE
VALHALLA, NY 10595



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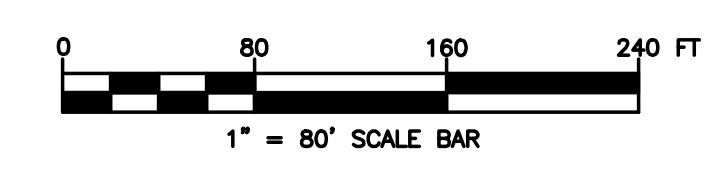
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GRADING / SWPPP PLAN

C003

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YORKTOWN A SOLAR FARM

FOOTHILL STREET

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WESTCHESTER COUNTY
NEW YORK

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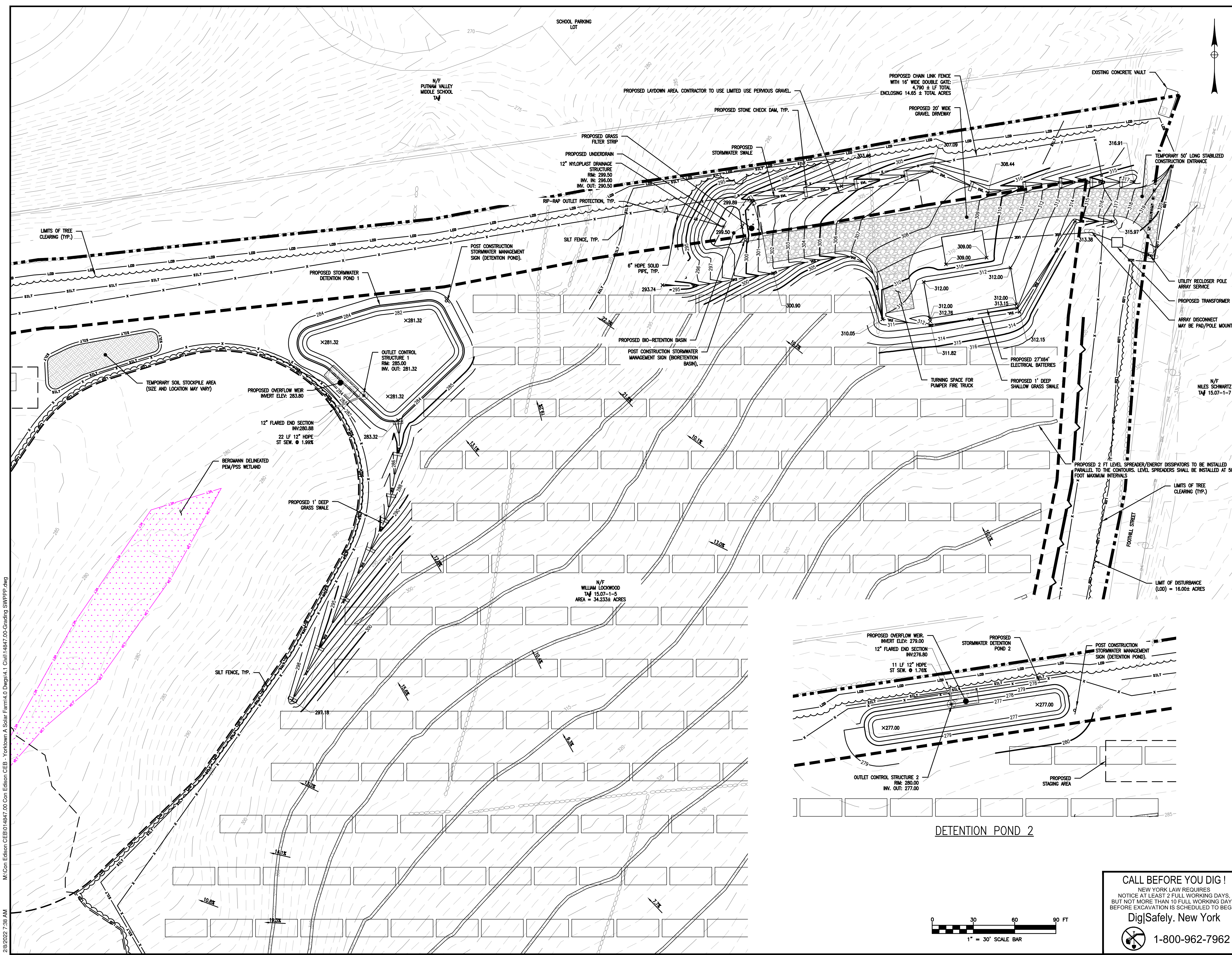
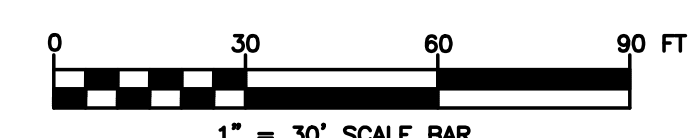
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**DETAILED GRADING
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YORKTOWN A SOLAR FARM

FOOTHILL STREET

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WESTCHESTER COUNTY
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CON EDISON CLEAN ENERGY BUSINESSES, INC.

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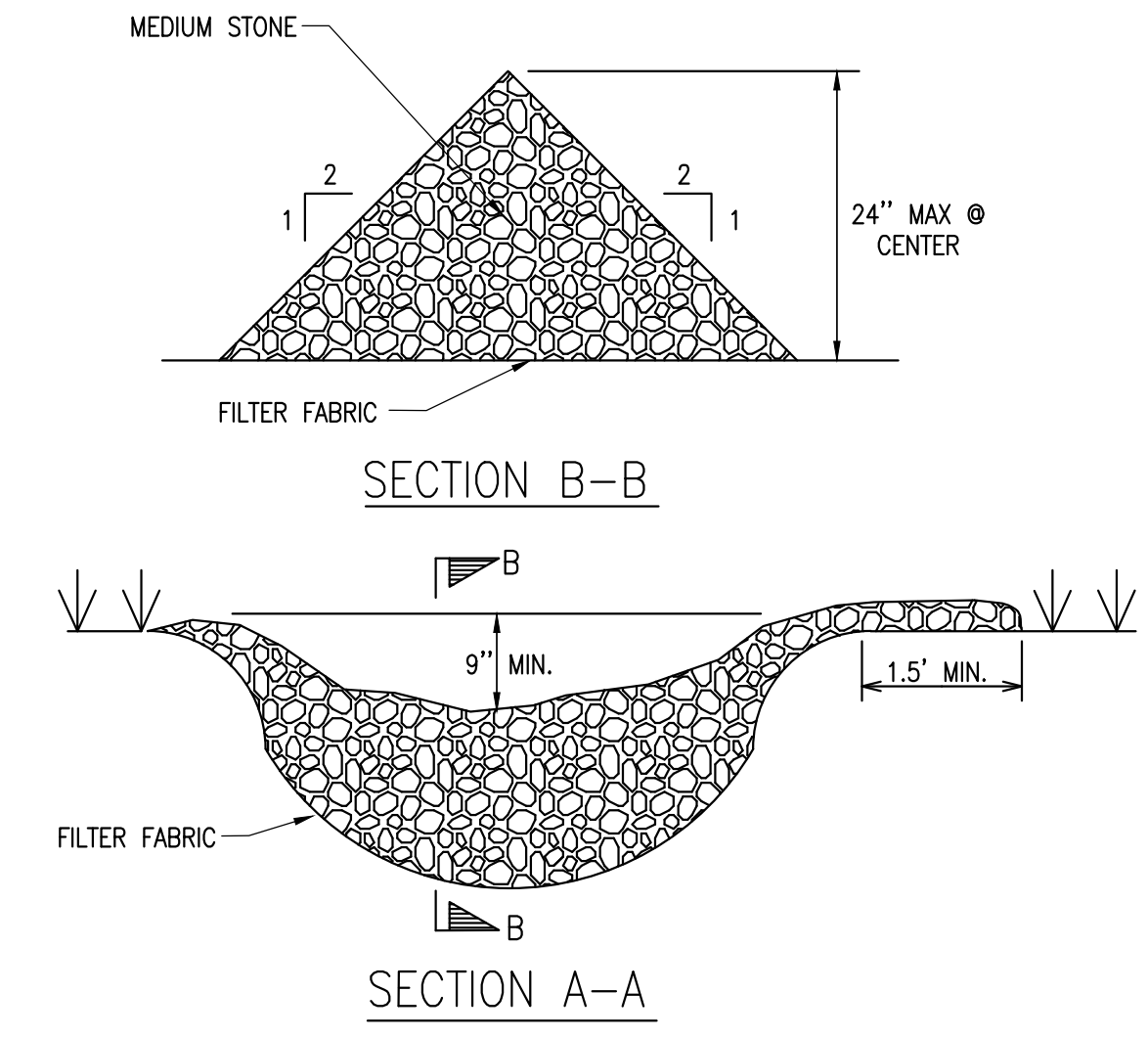
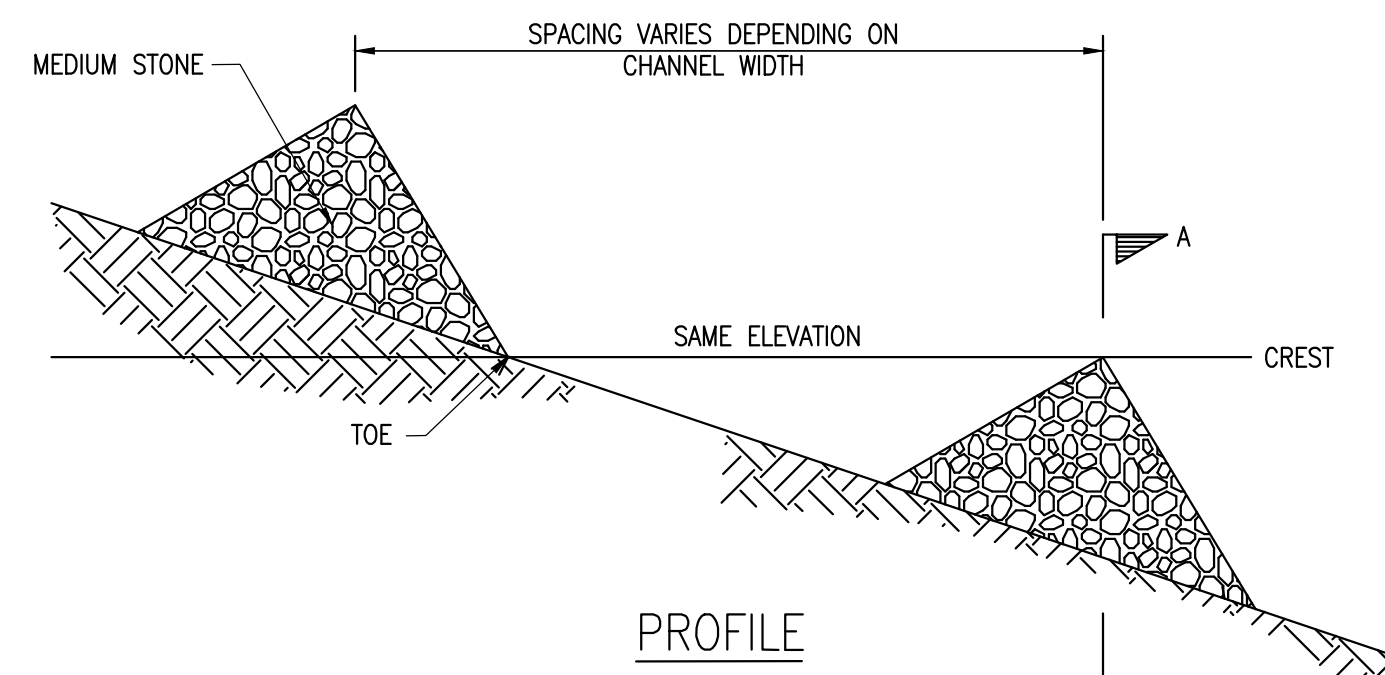
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DRIVEWAY DETAILS

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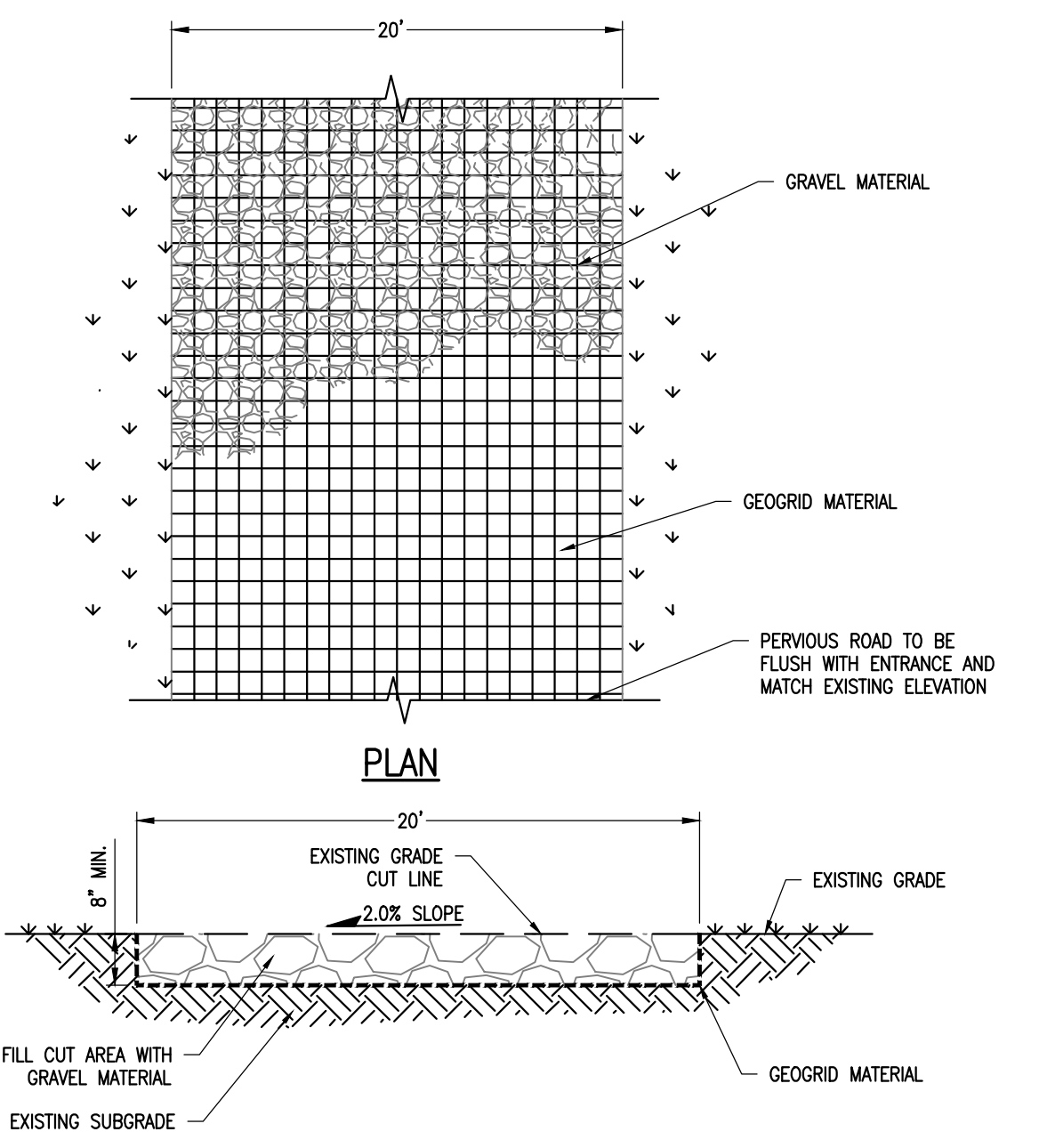
C005



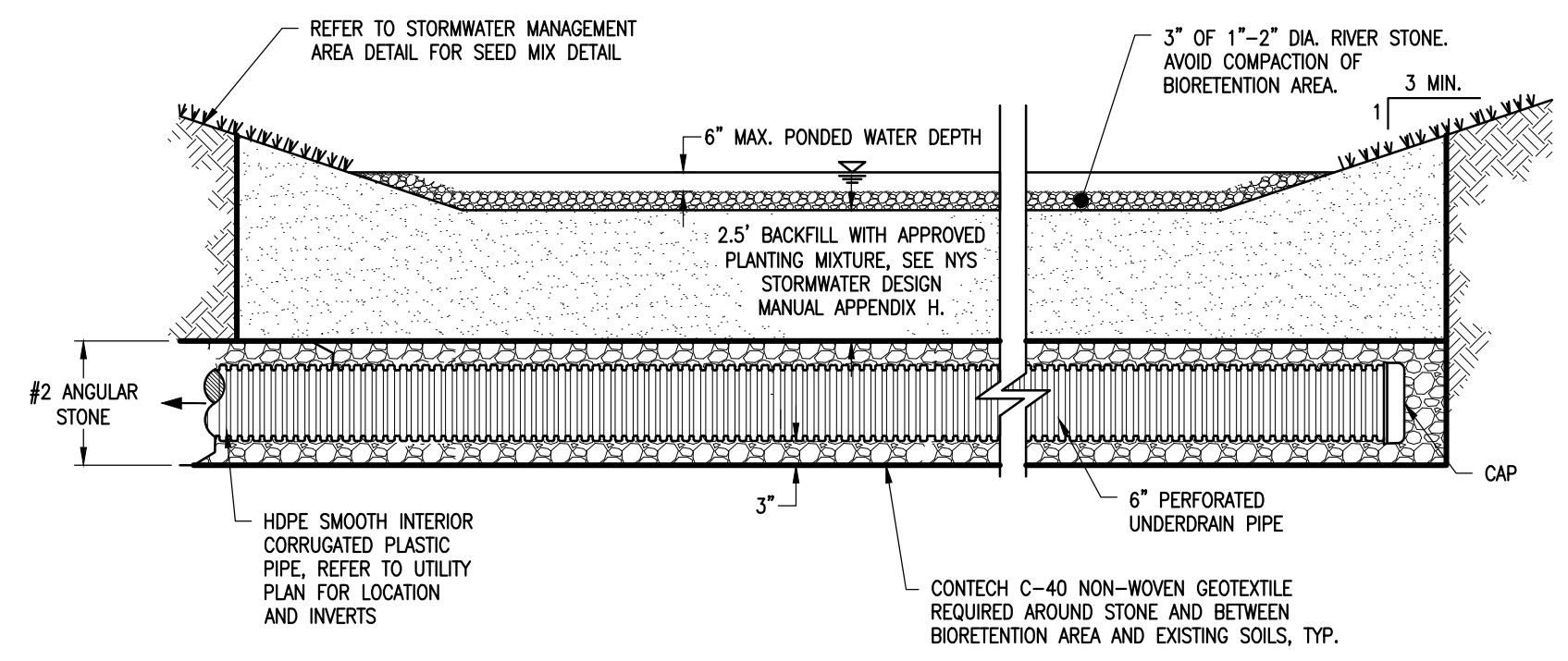
- CONSTRUCTION SPECIFICATIONS**
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES GRADES AND LOCATIONS SHOWN ON THE PLAN.
 - SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
 - EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
 - PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
 - ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

LIGHT STONE CHECK DAM
NOT TO SCALE

- GEOGRID MATERIAL NOTES:**
- THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE IN ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
 - GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATION OF NYSDOT 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF AND SPREAD WITH A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
 - GEOGRID SHALL BE MIRAFI BX110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
 - IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
 - REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
 - LIMITED USE PERVIOUS ACCESS ROAD SHALL BE DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT 703-02 SPECIFICATIONS.
- BASIS OF DESIGN:** TENCATE MIRAFI BX110 GEOGRIDS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM
- WOVEN GEOTEXTILE MATERIAL NOTES:**
- SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST OR GEOTECHNICAL DATA.
 - THE CONCERN OF POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN IN POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LONG TERM OPERATION AND MAINTENANCE.
- BASIS OF DESIGN:** TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM



LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES
NO SCALE



BIORETENTION AREA DETAIL
N.T.S.

2/8/2022 7:39 AM M:\Con Edison CEB\014847.00 Con Edison CEB - Yorktown A Solar Farm\4.0 Dwg\4.1 CIV\114847.00-Grading\SWPPP.dwg

YORKTOWN A SOLAR FARM

FOOTHILL STREET

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

CON EDISON CLEAN ENERGY BUSINESSES, INC.

100 SUMMIT LAKE DRIVE
VALHALLA, NY 10595



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2 Winners Circle, Suite 102
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Designed By: WD	Drawn By: WD
Date Issued: OCTOBER 27, 2020	Scale: 1"=100'
Project Number: 14847.00	

LANDSCAPING & PLANTING FOR MITIGATION PLAN

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C006



LEGEND:

- PROPOSED TREE PLANTING
- PROPOSED TREE TO BE REMOVED(1,658)
- PROPOSED TREE TO REMAIN (213)
- VEGETATION PROTECTION BARRIER
- SEED LIMIT LINE
- SEED SCHEDULE 'B'
- PROTECTED WOODLAND AREA TO BE DISTURBED
- PROPOSED GRAVEL DRIVEWAY
- FEMA 1% ANNUAL CHANCE FLOOD HAZARD
- FEMA 0.2% ANNUAL CHANCE FLOOD HAZARD
- EXISTING FEMA REGULATORY FLOODWAY
- EXISTING ROAD
- ADJ. PROPERTY/R.O.W. LINE (SURVEYED)
- FENCE LINE
- EXISTING VEGETATION
- PROPOSED LIMITS OF TREE CLEARING
- BERGMANN DELINEATED PALUSTRINE EMERGENT WETLAND (PEM) / PALUSTRINE SCRUB SHRUB WETLAND (PSS)
- Q STREAM
- 100' WETLAND SETBACK
- FARMLAND CLASSIFICATION BOUNDARY

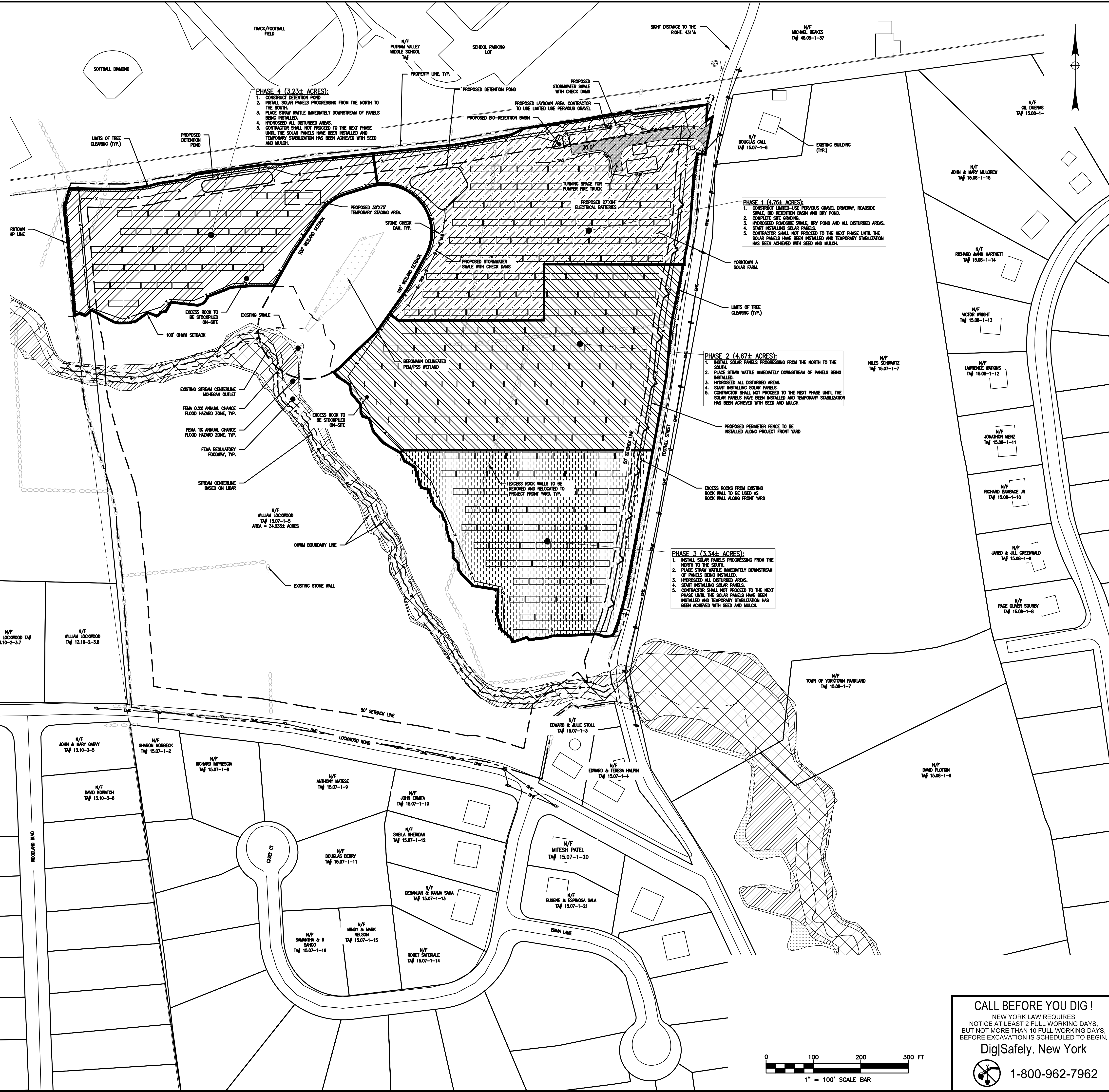
- NOTES:**
- SEE SHEET C006 FOR LANDSCAPE NOTES.
 - SEE SHEET C007 FOR LANDSCAPE DETAILS.
 - SEE SHEET C009 FOR SEED SCHEDULES.

PLANT LIST								
Key	Qty.	Botanical Name	Common Name	Mature Size		Installed Size	Condition	DBH
				Height	Spread			
Evergreen Trees								
AC	39	Abies Concolor	White Fir	50'-75'	20'-30'	6'-7' Ht.	B&B	3"
PG	38	Picea Glauca	White Spruce	40'-60'	10'-20'	8' Ht.	B&B	3"
TC	59	Tsuga Canadensis	Canadian Hemlock	40'-70'	25'-35'	8' Ht.	B&B	3"
PP	43	Picea Pungens	Colorado Spruce	30'-60'	10'-20'	7'-8' Ht.	B&B	3"
TOTAL	179							
Evergreen Shrubs								
TO	33	Thuja occidentalis "Emerald Green"	Emerald Green Arborvitae	7'-15'	3'-4'	5'	B&B	3"

2/9/2022 9:59 PM M:\Con Edison\CEB\014847\00 Con Edison CEB - Yorktown A Solar Farm\4.0 Dwg\4.1 CIVIL\4847.00 Landscape Plan.dwg

LEGEND:

- PROPERTY LINE SETBACK - 50 FEET
- - - PROPERTY/R.O.W. LINE
- - - EXISTING LOT LINE ADJUSTMENT
- [Pattern] PROPOSED GRAVEL DRIVEWAY
- [Pattern] FEMA 1% ANNUAL CHANCE FLOOD HAZARD
- [Pattern] FEMA 0.2% ANNUAL CHANCE FLOOD HAZARD
- [Pattern] EXISTING FEMA REGULATORY FLOODWAY
- EXISTING ROAD
- - - ADJ. PROPERTY/R.O.W. LINE (SURVEYED)
- x - x - FENCE LINE
- 1010- CONTOUR - MAJOR
- 1012- CONTOUR - MINOR
- [Pattern] EXISTING VEGETATION
- [Pattern] EXISTING ROCK WALL
- [Pattern] PROPOSED LIMITS OF TREE CLEARING
- [Pattern] BERGMANN DELINEATED PALUSTRINE EMERGENT WETLAND (PEM) / PALUSTRINE SCRUB SHRUB WETLAND (PSS)
- & STREAM
- - - 100' WETLAND BUFFER
- - - PROPOSED ROCK WALL
- PROPOSED SCREENING TREES
- PROPOSED SWALE
- [Pattern] PHASE 1
- [Pattern] PHASE 2
- [Pattern] PHASE 3
- [Pattern] PHASE 4



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FOOTHILL STREET

TOWN OF YORKTOWN
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NEW YORK

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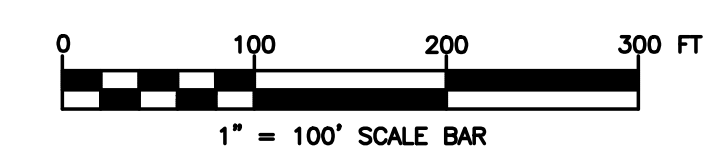
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ECR	ECR
WD	WD
October 27, 2020	1"=100'
14847.00	

PHASING PLAN

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C007

2/8/2022 7:41 AM M:\Con Edison CEB\014847.00 Con Edison CEB - Yorktown A Solar Farm\4.0 Dwg\4.1 CIVIL\4847.00-Phasing Plan.dwg

GENERAL NOTES

- 1. THE UNDERGROUND STRUCTURES AND UTILITIES SHOWN ON THIS MAP HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD MAPS...

SITE STABILIZATION

- 1. WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE MULCHED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.

STORMWATER POLLUTION PREVENTION PLAN NOTES

- 1. THE DEVELOPER/OWNER/OPERATOR SHALL PROVIDE A QUALIFIED INSPECTOR TO INSPECT THE PROJECT AT THE END OF EACH WORK WEEK AND PROVIDE A REPORT AT LEAST ONCE PER WEEK.

SWPPP SEQUENCE OF CONSTRUCTION

- 1. PRE-CONSTRUCTION MEETING HELD TO INCLUDE PROJECT MANAGER, OPERATOR'S ENGINEER, CONTRACTOR, AND SUB-CONTRACTORS PRIOR TO LAND DISTURBING ACTIVITIES.

LANDSCAPE NOTES

- 1. ALL PLANTS MUST BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.

WASTE/HAZARDOUS MATERIAL PRACTICES

- 1. WHENEVER POSSIBLE COVERED TRASH CONTAINERS SHOULD BE USED.

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Table with 5 columns: NO., DATE, DESCRIPTION, REV., CKD. Contains revision history entries for plan revisions and updates.

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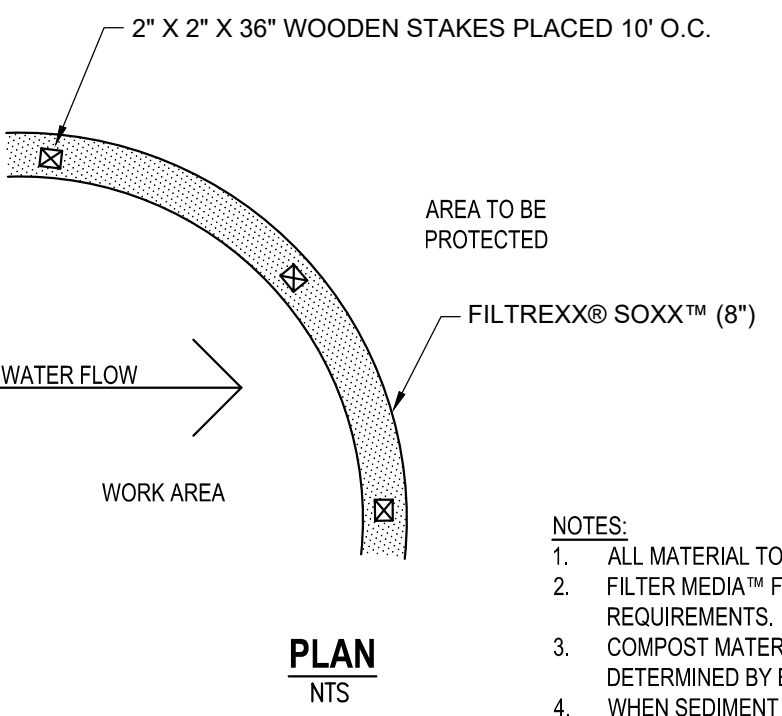
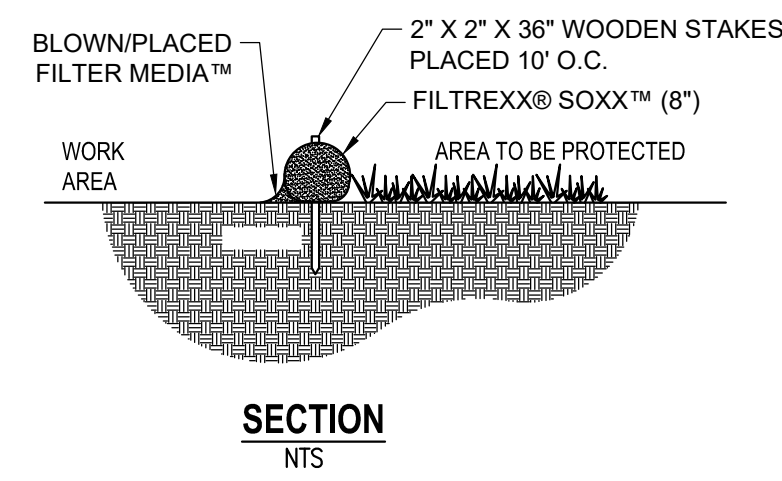
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Project Number: 14847.00

GENERAL NOTES

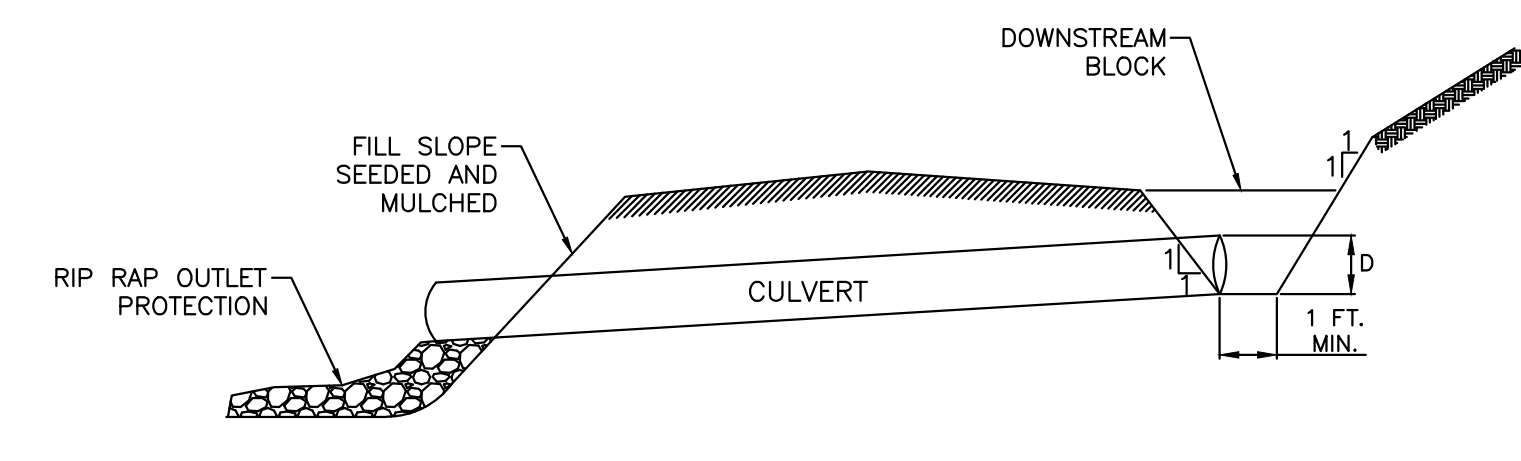
C008

McCon Edison CEB 014847.00 Con Edison CEB - Yorktown A Solar Farm.k&O Dwgsk1.1 CIVIL14847.00-Notes & Details.dwg 2/9/2022 7:42 AM



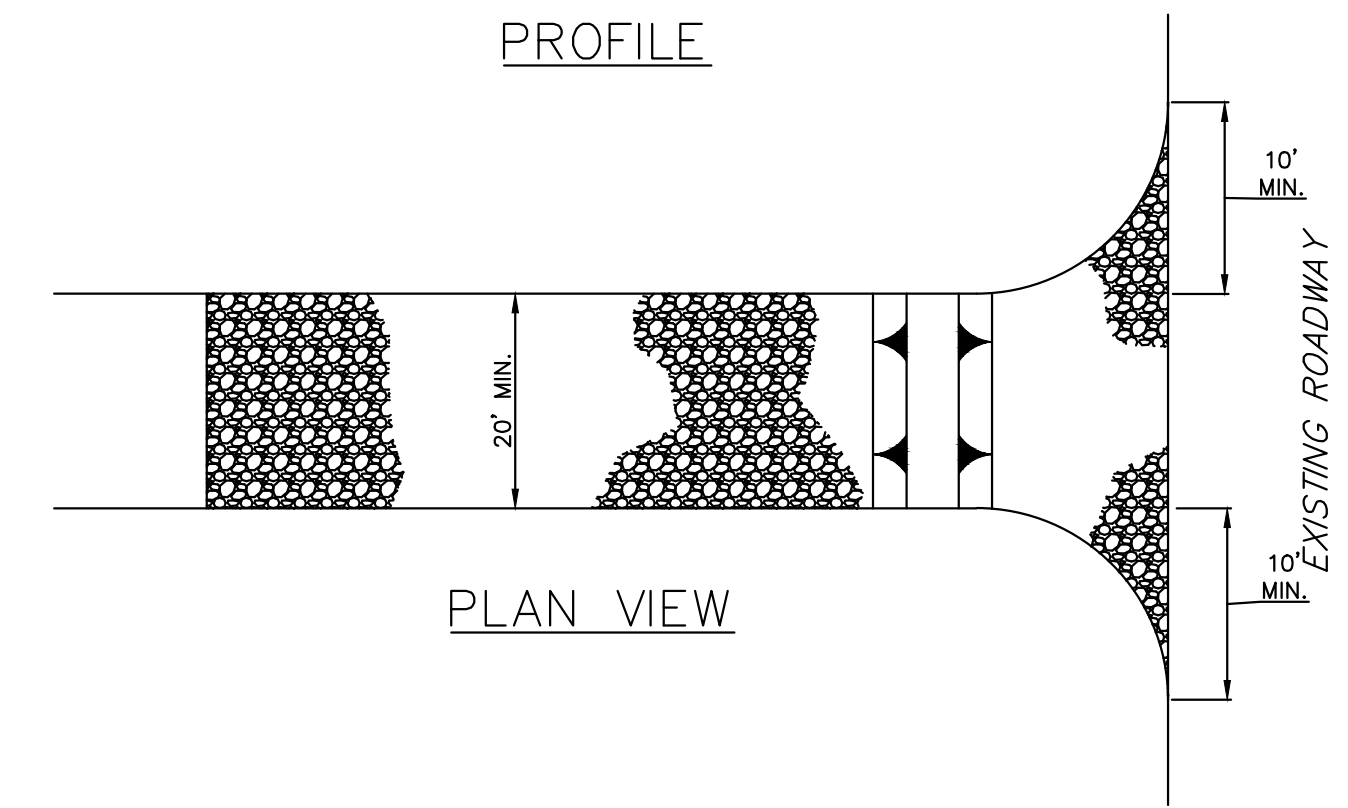
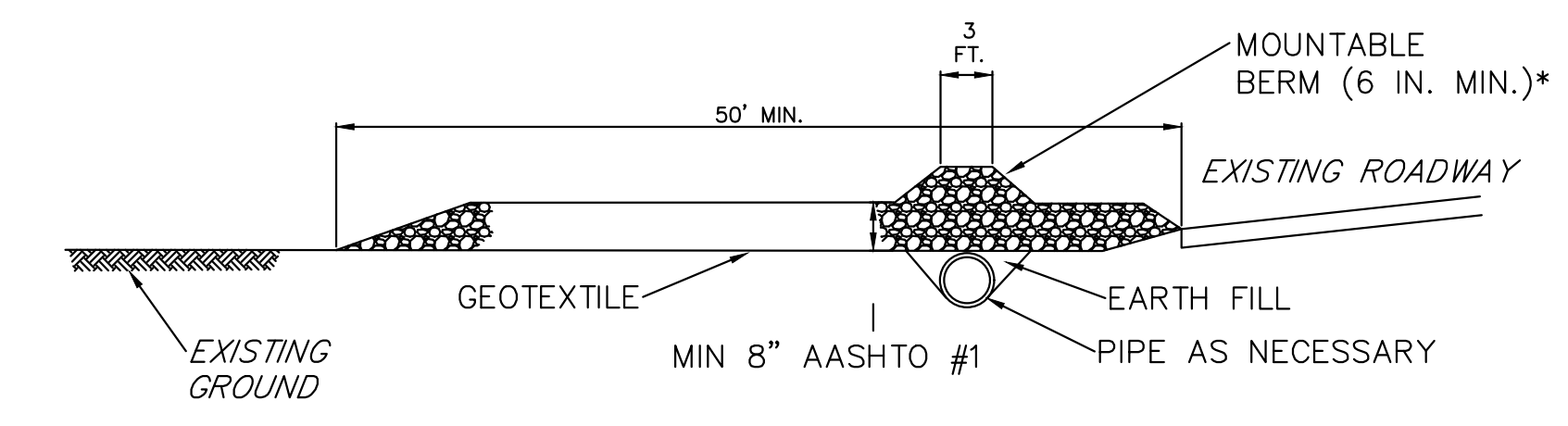
- NOTES:**
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
 2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
 4. WHEN SEDIMENT CONTROL IS USED ON PAVEMENT, HEAVY CONCRETE BLOCKS SHALL BE USED BEHIND THE SEDIMENT CONTROL TO HELP STABILIZE DURING RAINFALL/RUNOFF EVENTS

FILTREXX FILTERSOXX SEDIMENT CONTROL
NO SCALE



- NOTES:**
- CUT AND FILL SLOPES SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF DRIVEWAY GRADING. THESE AREAS SHALL BE BLANKETED WHEREVER THEY ARE LOCATED WITHIN 50 FEET OF A SURFACE WATER OR WITHIN 100 FEET OF AN HIGH QUALITY OR EXCEPTIONAL VALUE SURFACE WATER OR WHERE A SUITABLE VEGETATIVE FILTER STRIP DOES NOT EXIST.
- A TOP DRESSING COMPOSED OF HARD, DURABLE STONE SHALL BE PROVIDED FOR SOILS HAVING LOW STRENGTH.
- DRIVEWAY DITCHES SHALL BE PROVIDED WITH ADEQUATE PROTECTIVE LINING WHEREVER RUNOFF CANNOT SHEET FLOW AWAY FROM THE DRIVEWAY.
- DRIVEWAY SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED DRIVEWAYS, DITCHES, OR CROSS DRAINS SHALL BE REPAIRED IMMEDIATELY.

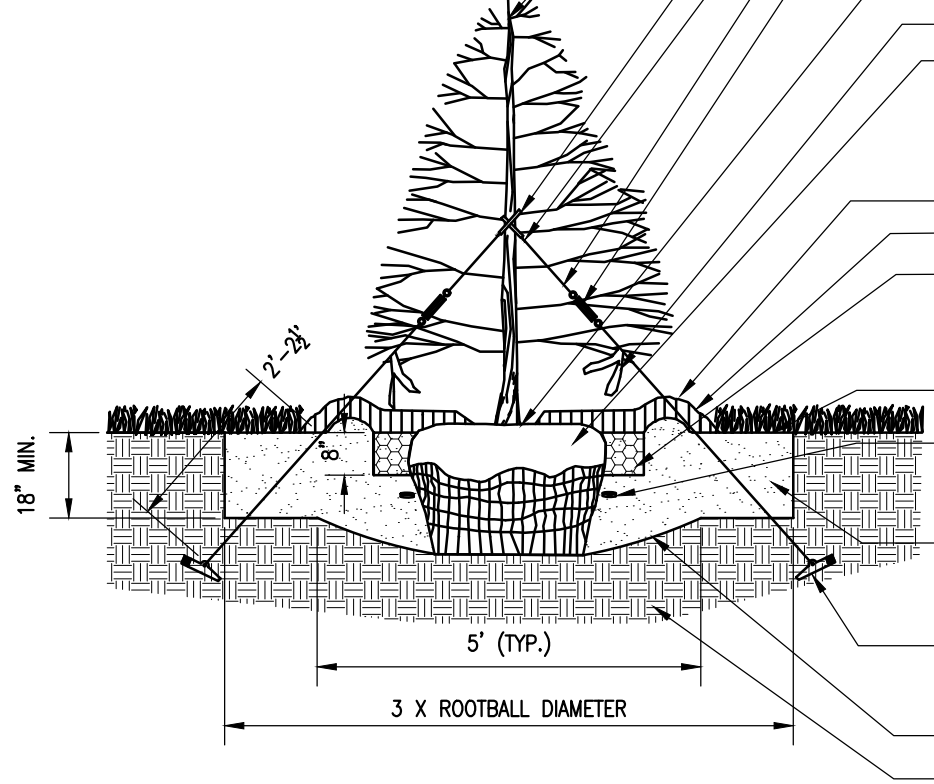
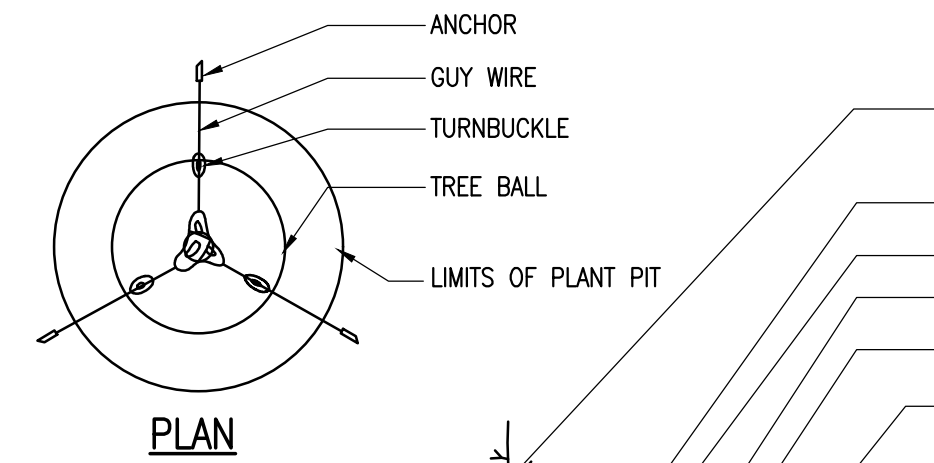
CROSS CULVERT
NO SCALE



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

- NOTES:**
1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
 2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
 3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
 4. MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

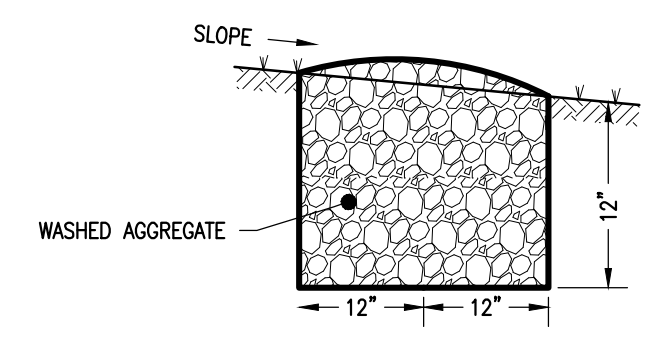
STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



- NOTES:**
1. PRUNE ONLY DAMAGED AND CONFLICTING BRANCHES TO MAINTAIN NORMAL TREE SHAPE. NEVER CUT CENTRAL TRUNK OR LEADER.
 2. 21" LONG PVC TUBING
 3. (2) 1/8" CABLE CLAMPS
 4. 1/8" GALVANIZED AIRCRAFT CABLE
 5. 3/8" x 3" ZINC-PLATED TURNBUCKLE
 6. BOTTOM OF TRUNK FLARE SHALL BE SET ABOVE FINISHED GRADE, SEE NOTE 2 BELOW FOR DETAILS
 7. YELLOW MARKING RIBBON
 8. REMOVE BURLAP, ROPE, OR WIRE BASKET FROM TOP 1/3 OF BALL. CUT REMAINING PORTIONS OF ROPE OR WIRE BASKET AS MUCH AS POSSIBLE. COMPLETELY REMOVE ALL SYNTHETIC MATERIAL FROM ROOTBALL.
 9. 3" MULCH (5" DIA.) AS PER DRAWING/SPECIFICATIONS
 10. 3" SAUCER RIM (SEE PLANTING BED EDGE DETAIL)
 11. MYCOR TREE SAVER - REFER TO MANUFACTURER'S SPECIFICATIONS FOR APPLICATION RATE-MIXED INTO BACKFILL TO 8" DEPTH
 12. FINISHED GRADE
 13. AGRIFORM 20-10-5 TABLET - REFER TO MANUFACTURER'S APPLICATION RATE FOR NUMBER OF TABLETS
 14. BACKFILL WITH APPROVED PLANTING MIXTURE, SEE SPECIFICATIONS OR LANDSCAPE NOTES
 15. DUCKBILL EARTH ANCHOR - TO BE SIZED AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS
 16. SCARIFY BOTTOM OF PIT
 17. UNDISTURBED SUBSOIL

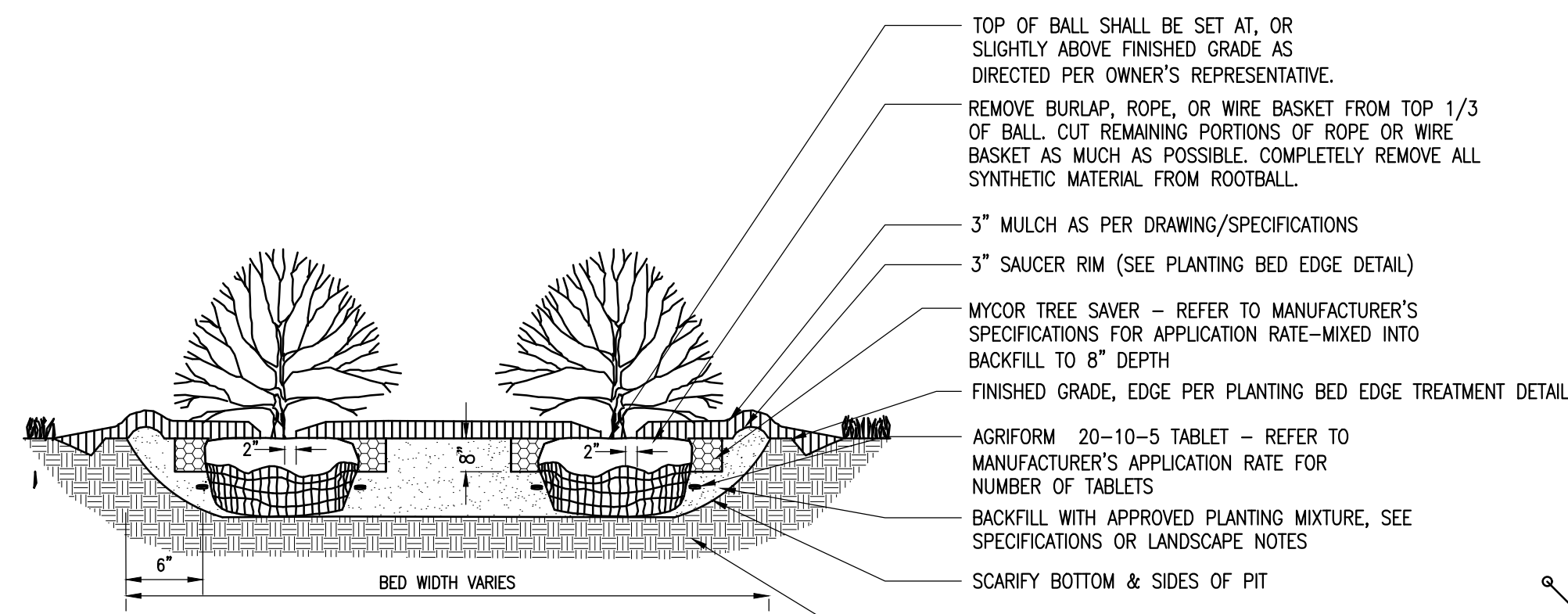
- NOTES:**
1. MAINTAIN A 2" MINIMUM RADIUS CLEAR OF MULCH AROUND THE TRUNK.
 2. THE DISTANCE BETWEEN THE BOTTOM OF THE TRUNK FLARE AND THE FINISHED GRADE SHALL BE AS FOLLOWS:
FOR SANDY OR LOAMY SOILS: 1"
FOR CLAY OR POORLY DRAINED SOILS: 3"
THE CONTRACTOR SHALL REVIEW THE APPROPRIATE PLANTING DEPTH WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 3. WHEN TAGGING TREES AT THE NURSERY, MARK THE NORTH SIDE OF THE TREE IN THE FIELD AND WHEN INSTALLING, ROTATE TREE TO FACE NORTH WHENEVER POSSIBLE.

EVERGREEN TREE PLANTING
NO SCALE



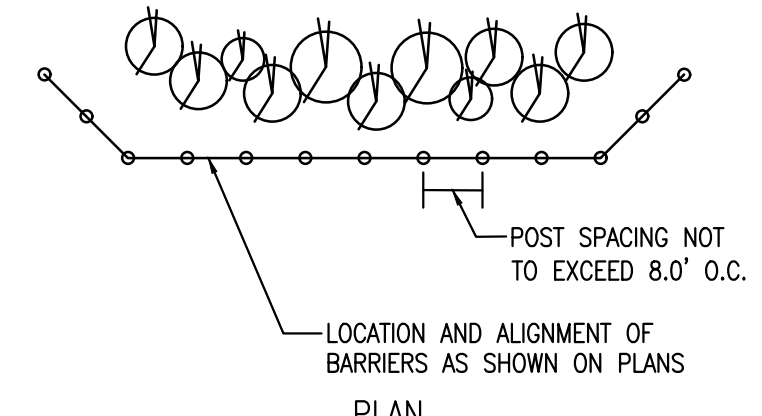
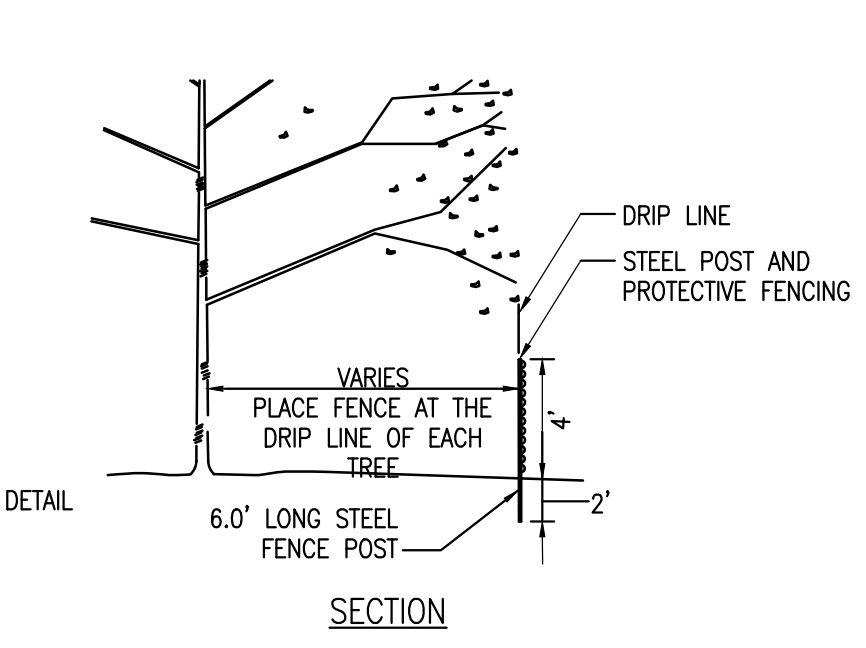
- NOTES:**
1. LEVEL SPREADERS SHALL BE CONSTRUCTED PARALLEL WITH CONTOURS.

LEVEL SPREADER DETAIL
N.T.S.

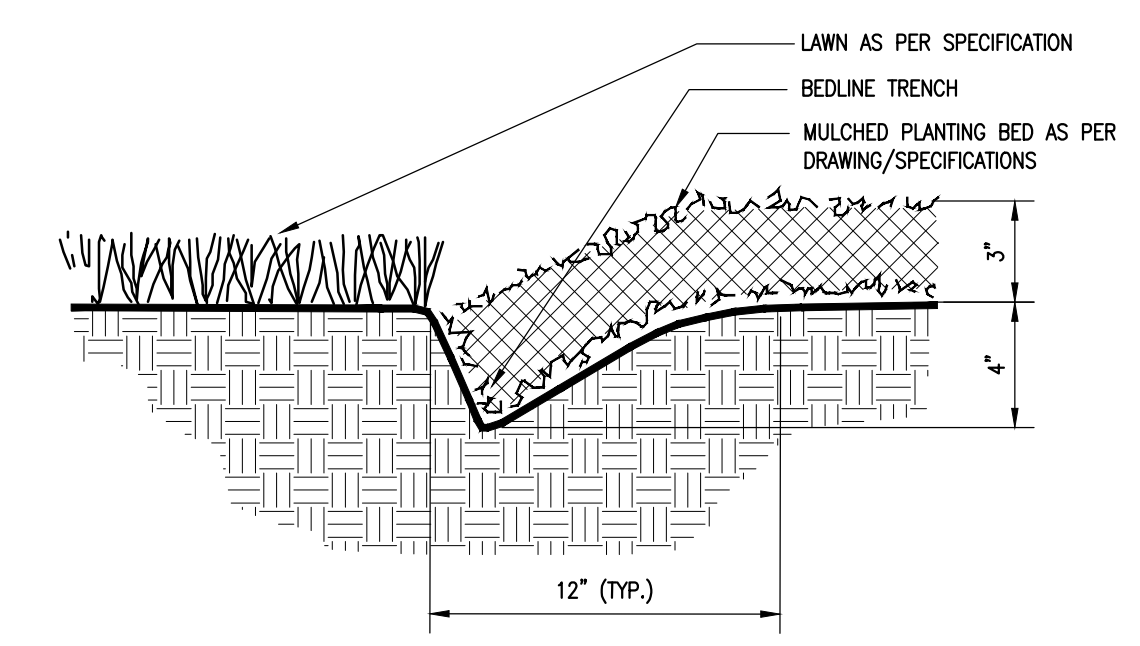


- NOTES:**
1. MAINTAIN A 2" MINIMUM RADIUS CLEAR OF MULCH AROUND THE TRUNK.
 2. PLANTING BED DEPTH IN LAWN AREAS SHALL BE A MINIMUM OF 18" DEEP AND/OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
 3. ALL PLANTING BEDS SHALL BE FREE OF CONSTRUCTION DEBRIS.

SHRUB PLANTING
NO SCALE



VEGETATION PROTECTION BARRIER
NO SCALE



PLANTING BED EDGE TREATMENT
NO SCALE

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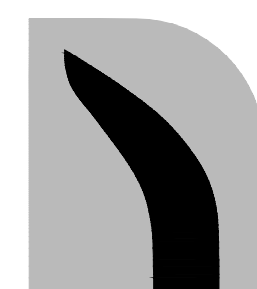
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WD		WD	
Date Issued:		Scale:	
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Project Number:	14847.00		

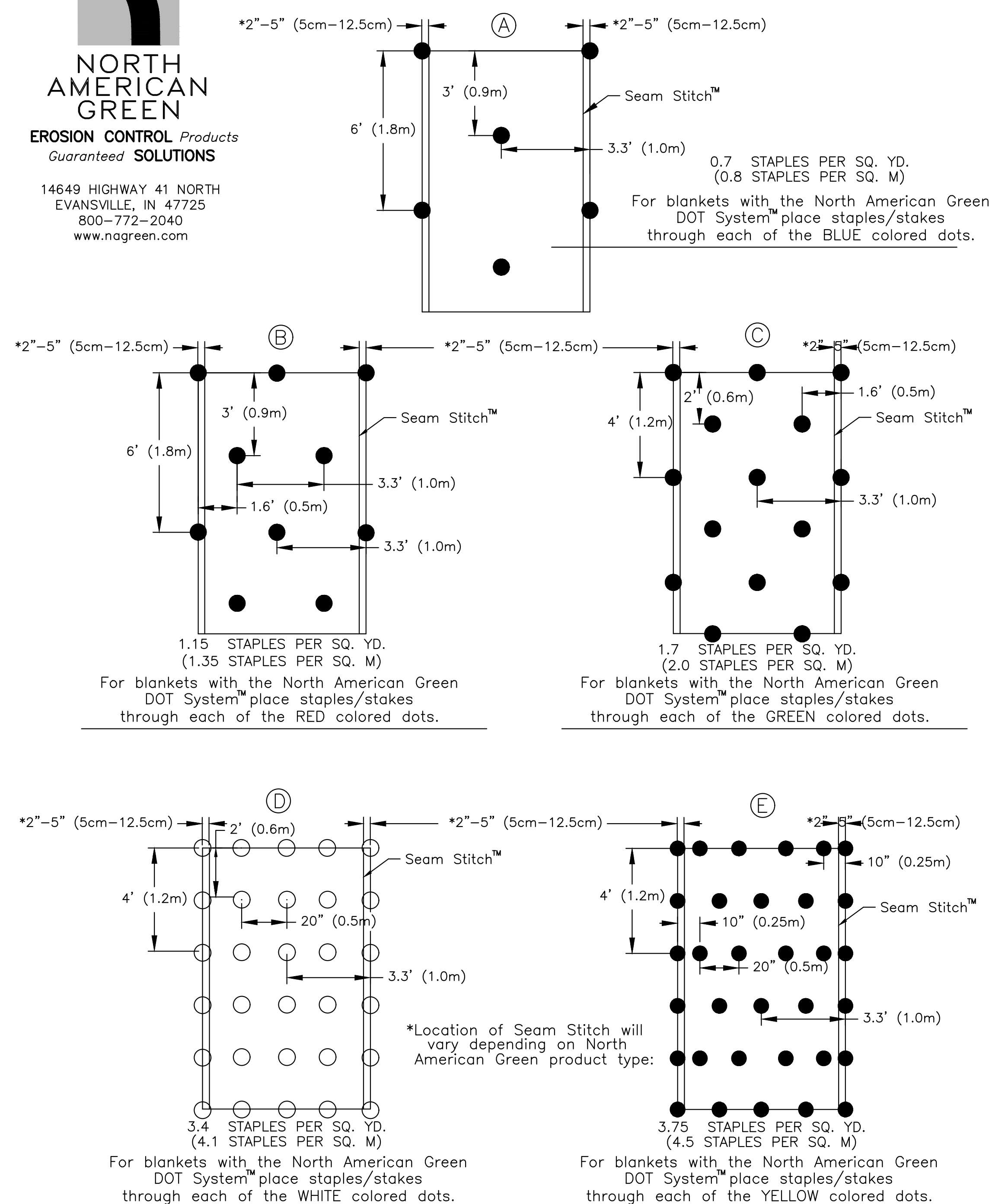
EROSION AND SEDIMENT CONTROL DETAILS

C009

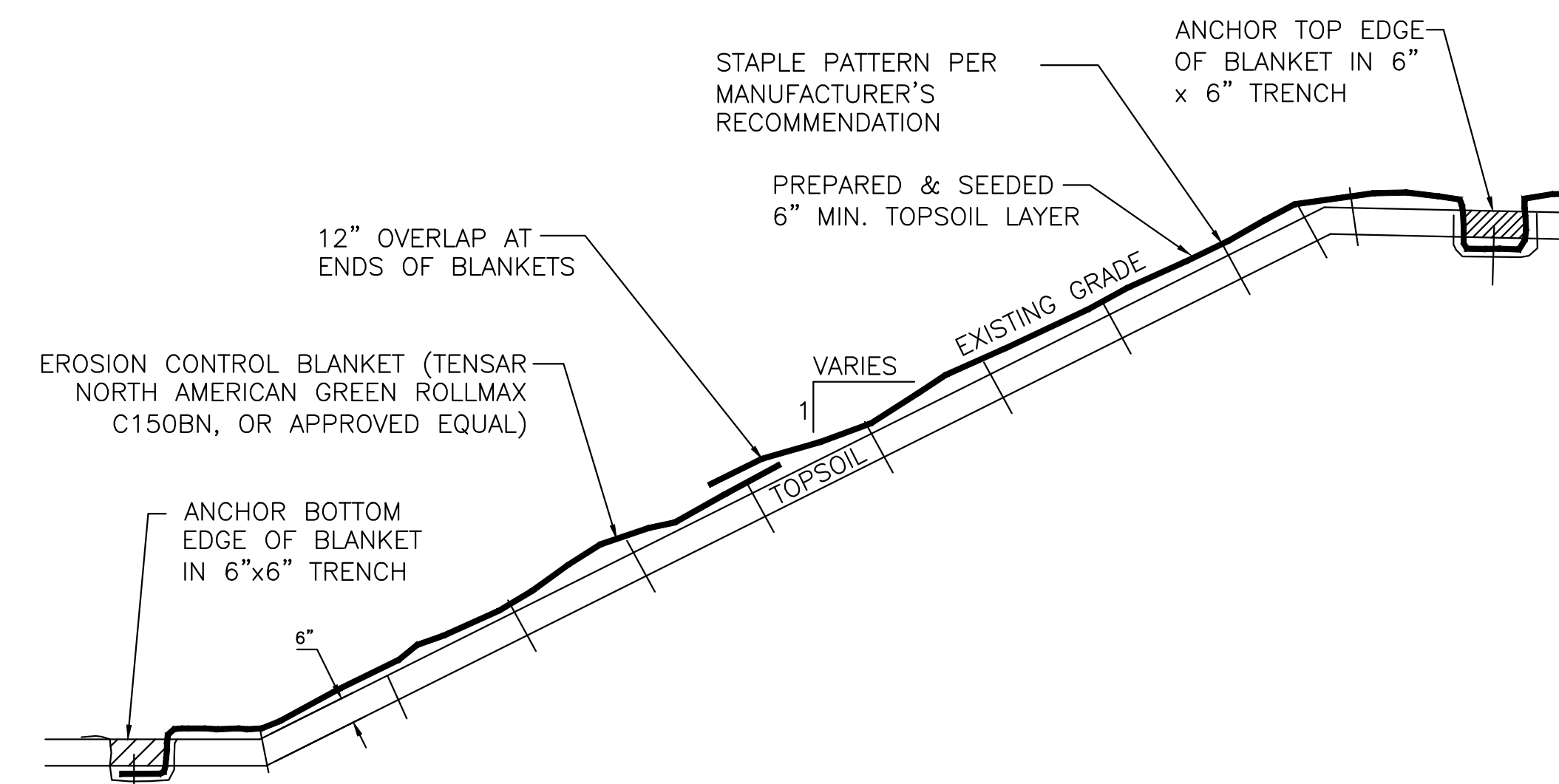
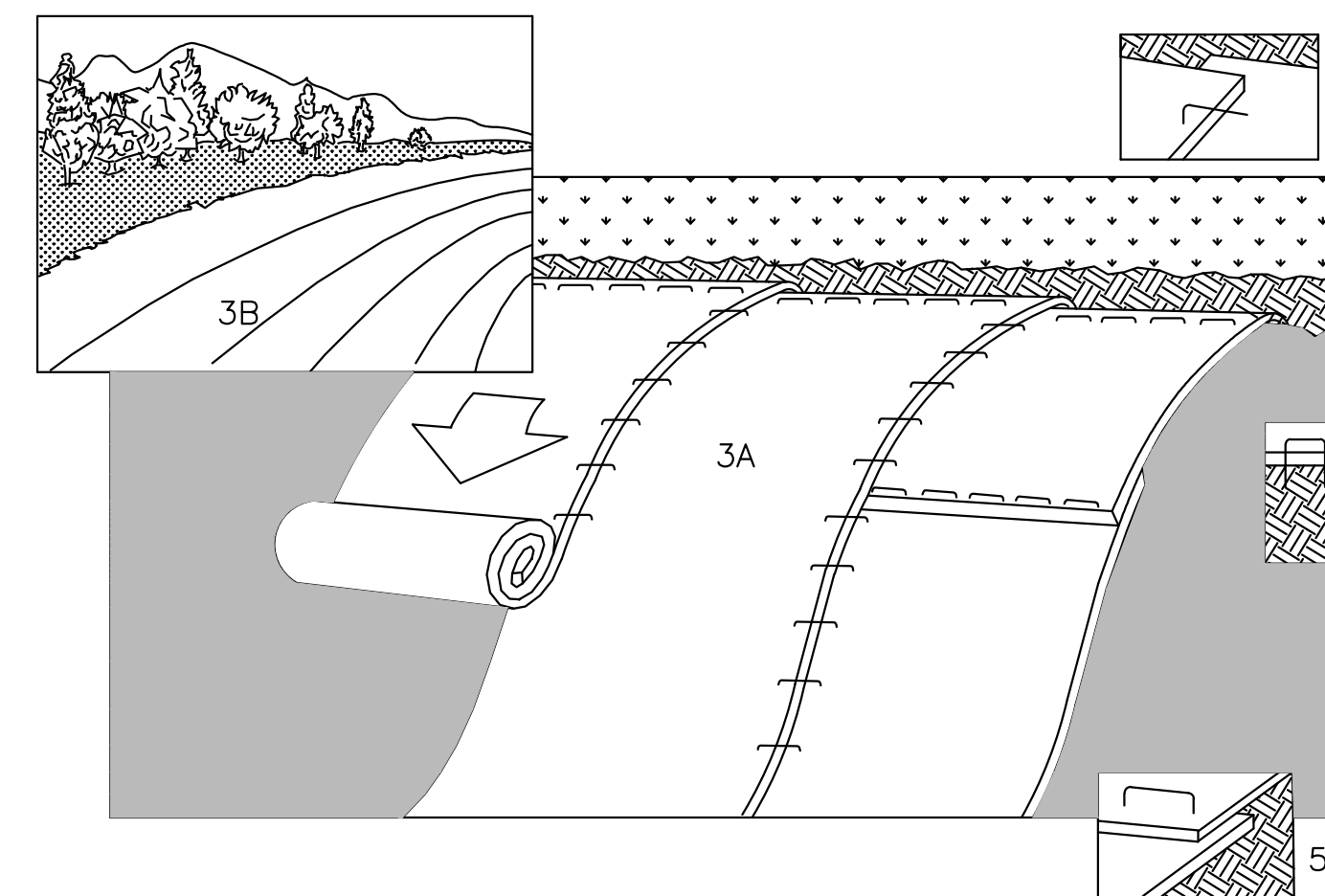


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DOT SYSTEM™ STAPLE PATTERN GUIDE



**EROSION CONTROL BLANKET
 STAPLE PATTERN**
 NO SCALE



NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 12" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL 3:1 OR STEEPER SLOPES WITH A MINIMUM OF 6 INCHES OF TOPSOIL.
7. REFER TO STAPLE PATTERN DETAIL FOR ADDITIONAL STAPLE INFORMATION.
8. THE USE OF FLEXIBLE GROWTH MEDIUM, BONDED FIBER MATRIX, OR POLYMER STABILIZED FIBER MATRIX, APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, IS AN ACCEPTABLE ALTERNATIVE TO THE USE OF EROSION CONTROL BLANKET.

EROSION CONTROL BLANKET
 NO SCALE

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EROSION AND SEDIMENT CONTROL DETAILS

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C010

SEED SCHEDULE 'A'

Upland Seed Mix		
Low-Growing Wildflower & Grass Mix - ERNMX #156		
Seeding Rate: 20 lb per acre with a cover crop of grain rye at 30 lb per acre		
SCIENTIFIC NAME	COMMON NAME	% OF MIX
Festuca ovina	Sheep Fescue, Variety Not Stated	63.60%
Lolium multiflorum (L. perenne var. italicum)	Annual Ryegrass	17%
Linum perenne ssp. lewisii	Perennial Blue Flax	8%
Rudbeckia hirta	Blackeyed Susan, Coastal Plain NC Ecotype	2%
Coreopsis lanceolata	Lanceleaf Coreopsis, Coastal Plain NC Ecotype	2%
Chrysanthemum leucanthemum	Oxeye Daisy	2%
Chrysanthemum maximum	Shasta Daisy	1%
Chamaecrista fasciculata (Cassia f.)	Partridge Pea, PA Ecotype	1%
Papaver rhoeas, Shirley Mix	Corn Poppy/Shirley Mix	1%
Achillea millefolium	Common Yarrow	0.5%
Aster oblongifolius (Symphyotrichum oblongifolium)	Aromatic Aster, PA Ecotype	0.5%
Eupatorium coelestinum (Conoclinium c.)	Mistflower, VA Ecotype	0.5%
Monarda punctata, Coastal Plain SC Ecotype	Spotted Beebalm, Coastal Plain SC Ecotype	0.5%
Asclepias tuberosa	Butterfly Milkweed	0.3%
Pycnanthemum tenuifolium	Slender Mountainmint	0.1%
Company Information		
Ernst Conservation Seeds, Inc.		
Address: 8884 Mercer Pike, Meadville, PA 16335		
Phone: (800) 873-3321		
Web: http://www.ernstseed.com		

* CURRENT ERNST SEED MIX COMPOSITION OR APPROVED EQUIVALENT
 * PROVIDE TEMPORARY SEEDING OF ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) WITHIN SEEDING LIMITS AT RATE OF 20 LBS. PER ACRE

SEED SCHEDULE 'B'

OBL-FACW Wetland Mix		
ERNMX #120		
Seeding Rate: 20 lb per acre or 1/2 lb per 1000 sq ft		
SCIENTIFIC NAME	COMMON NAME	% OF MIX
Elymus virginicus	Virginia Wildrye	20%
Poa palustris	Fowl Bluegrass	20%
Carex lurida	Lurid Shallow Sedge	17%
Carex lupulina	Hop Sedge	9%
Carex scoparia	Blunt Broom Sedge	8%
Carex vulpinoidea	Fox Sedge	5%
Panicum clandestinum Dichanthelium c.	Deertongue 'Tioga'	5%
Sparganium eurycarpum	Giant Bur Reed	4%
Sparganium americanum	Eastern Bur Reed	3%
Juncus effusus	Soft Rush	3%
Carex crinita	Fringed Nodding Sedge	2%
Leersia oryzoides	Rice Cutgrass	2%
Scirpus cyperinus	Woolgrass	2%
Juncus tenuis	Path Rush	0.5%
Company Information		
Ernst Conservation Seeds Inc.		
Address: 8884 Mercer Pike Meadville PA 16335		
Phone: 800 873-3321		
Web: http://www.ernstseed.com		

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 * PROVIDE TEMPORARY SEEDING OF ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) WITHIN SEEDING LIMITS AT RATE OF 20 LBS. PER ACRE

SITE STABILIZATION – SEED MIX

SOIL AMENDMENT APPLICATION RATE EQUIVALENTS					
SOIL AMENDMENT	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.	NOTES	
TEMPORARY SEEDING	AGRICULTURAL LIME	6 TONS	240 LB.	2,480 LB.	OR AS PER SOIL TEST: MAY NOT BE REQUIRED IN AGRICULTURAL FIELDS
	10-10-20 FERTILIZER	1,000 L.B.	25 LB.	210 LB.	
TEMPORARY SEEDING	AGRICULTURAL LIME	1 TON	40 LB.	410 LB.	TYPICALLY NOT REQUIRED FOR TOPSOIL STOCKPILES
	10-10-20 FERTILIZER	500 LB.	12.5 LB.	100 LB.	
COMPOST STANDARDS					
ORGANIC MATTER CONTENT		80% - 100% (DRY WEIGHT BASIS)			
ORGANIC PORTION		FIBROUS AND ELONGATED			
pH		5.5 - 8.0			
MOISTURE CONTENT		35% - 55%			
PARTICLE SIZE		98% PASS THROUGH 1" SCREEN			
SOLUBLE SALT CONCENTRATION		5.0 dS/m (mmhos/cm) MAXIMUM			
MULCH APPLICATION RATES					
MULCH TYPE	APPLICATION RATE (MIN.)			NOTES	
	PER ACRE	PER 1,000 SQ. FT.	PER 1,000 SQ. YD.		
STRAW	3 TONS	140 LB.	1,240 LB.	EITHER WHEAT OR OAT STRAW, FREE OF WEEDS, NOT CHOPPED OR FINELY BROKEN	
HAY	3 TONS	140 LB.	1,240 LB.	TIMOTHY, MIXED CLOVER AND TIMOTHY, OR OTHER NATIVE FORAGE GRASSES	
WOOD CELLULOSE	1,500 LB.	35 LB.	310 LB.	DO NOT USE ALONE IN WINTER, DURING HOT AND DRY WEATHER OR ON STEEP SLOPES (> 3:1)	
WOOD	1,000 LB. CELLULOSE	25 LB.	210 LB.	WHEN USED OVER STRAW OR HAY	
WOOD CHIPS	4 - 6 TONS	185 - 275 LB.	1,650 - 2,500 LB.	MAY PREVENT GERMINATION OF GRASSES AND LEGUMES	

NOTES:

- WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE TEMPORARILY STABILIZED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.
- MULCHES SHOULD BE APPLIED AT THE RATES SHOWN IN THE MULCH APPLICATION RATES TABLE. VERY LITTLE BARE GROUND SHOULD BE VISIBLE THROUGH THE MULCH.
- STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN.
- TOPSOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A DEPTH OF 4 INCHES MINIMUM. SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OR TILLAGE.
- TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OF SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
- WHEN USED AS A MULCH REPLACEMENT, THE APPLICATION RATE (THICKNESS) OF THE COMPOST SHOULD BE 1/2" TO 3/4". COMPOST SHOULD BE PLACED EVENLY AND SHOULD PROVIDE 100% SOIL COVERAGE. NO SOIL SHOULD BE VISIBLE.
- BLANKETING SHALL BE USED ON ALL SLOPES 3H:1V OR STEEPER OR AS NOTED ON THE PLANS.
- PERMANENT STABILIZATION SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF EARTH DISTURBANCE.
- WETLAND SEED MIX SHOULD BE INSTALLED ONLY IN DRY SWALE.

YORKTOWN A SOLAR FARM

FOOTHILL STREET

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

CON EDISON CLEAN ENERGY BUSINESSES, INC.

100 SUMMIT LAKE DRIVE
VALHALLA, NY 10595



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2 Winners Circle, Suite 102
Albany, NY 12205

office: 518.862.0325

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NO.	DATE	DESCRIPTION	REV.	CKD
1	1/29/2021	PLAN REVISIONS	WD	ECR
2	11/22/2021	PLAN REVISIONS	WD	ECR
3	12/20/2021	PLAN REVISIONS	WD	ECR
4	2/08/2022	PLAN REVISIONS	WD	ECR

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Prepared By: ECR	Checked By: ECR
Designed By: WD	Drawn By: WD
Date Issued: OCTOBER 27, 2020	Scale: AS NOTED
Project Number: 14847.00	

SITE DETAILS

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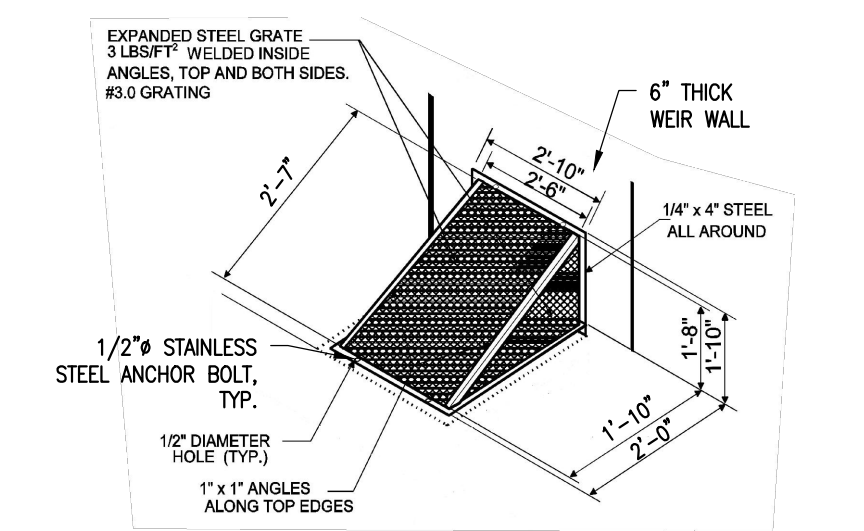
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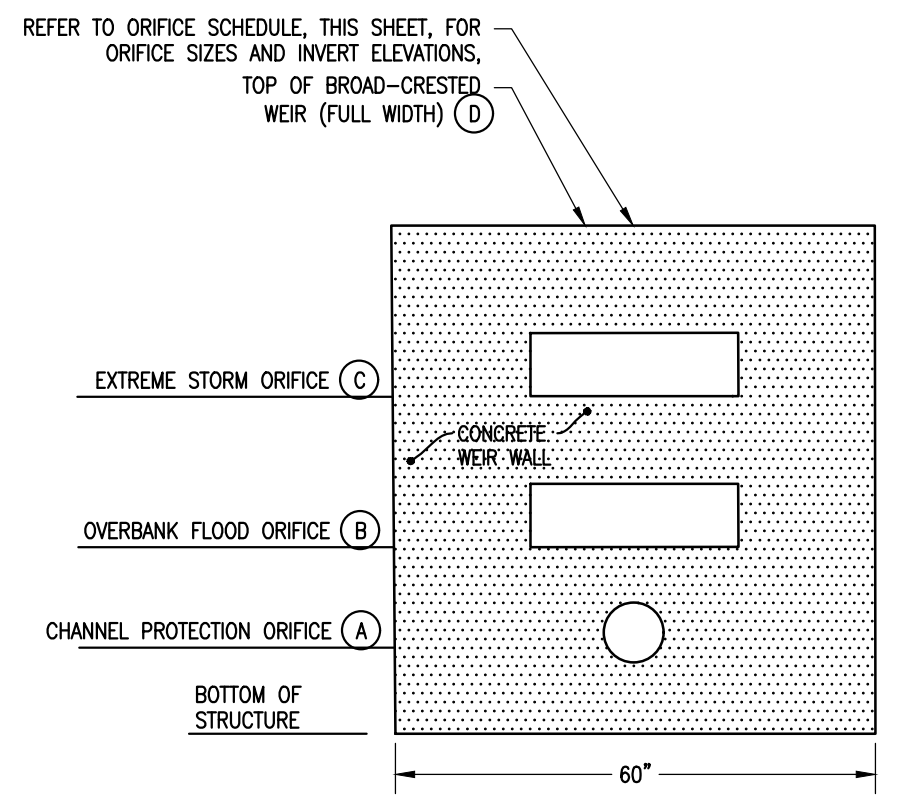
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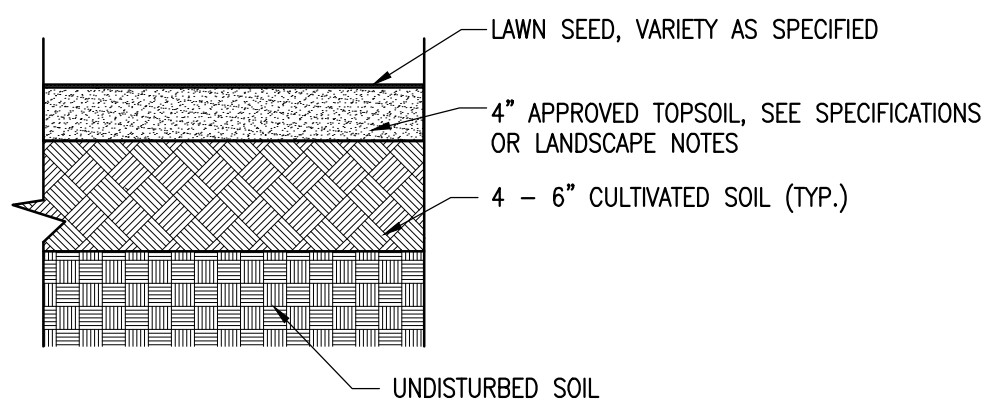


LOW FLOW ORIFICE TRASH RACK DETAIL
N.T.S.

CONTROL STRUCTURE	(A) SIZE	(A) ELEV	(B) SIZE	(B) ELEV	(C) SIZE	(C) ELEV	(D) ELEV
1	3"	281.32	30"x8"	281.75	30"x6"	283.10	284.00

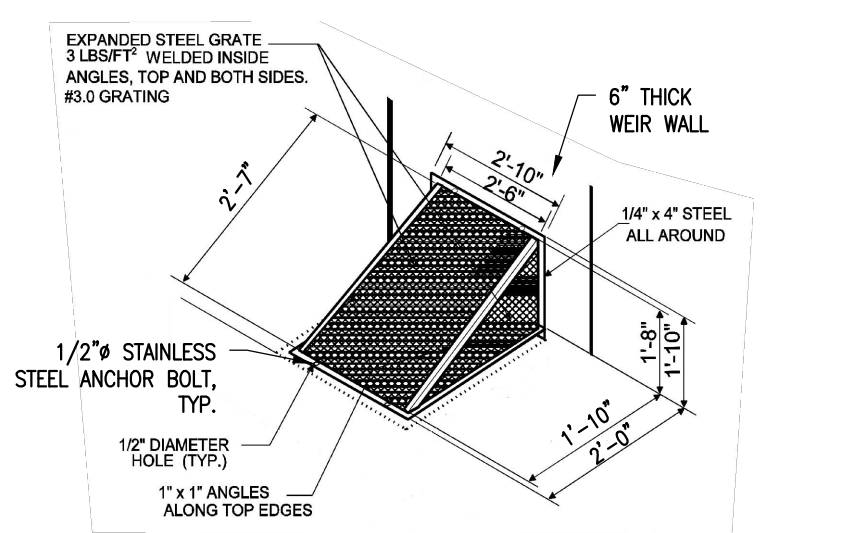


ORIFICE DETAIL
N.T.S.



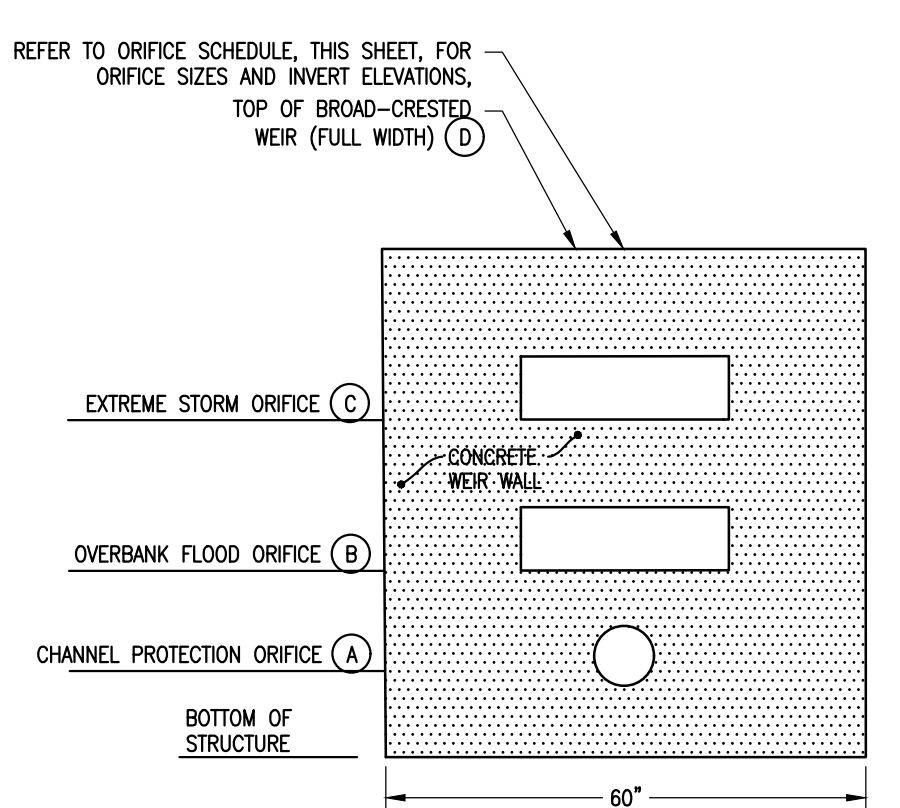
SOIL RESTORATION DETAIL
N.T.S.

- SEEDING PROCEDURE:**
- CULTIVATE ENTIRE AREA TO 4"-6" DEPTH. HANDRAKE SMOOTH. SPREAD 4" OF TOPSOIL.
 - APPLY ANY SOIL MODIFICATIONS AS NECESSARY (SEE SPECIFICATIONS OR LANDSCAPE NOTES)
 - WATER AREA TO BE SEED PRIOR TO LAYING SEED.
 - WATER THOROUGHLY UPON COMPLETION OF SEEDING.
 - APPLY SOIL STABILIZATION AS NECESSARY.

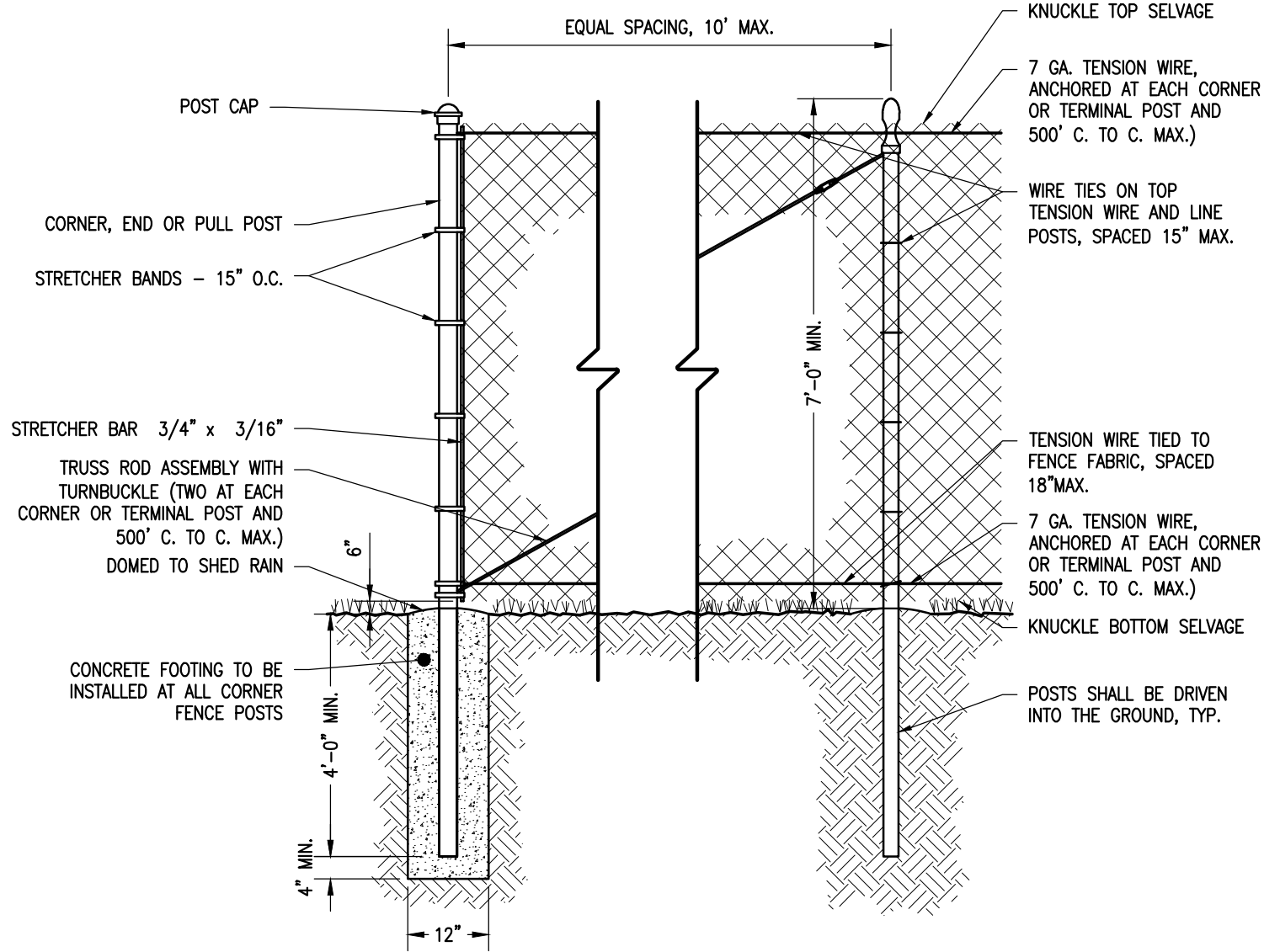


LOW FLOW ORIFICE TRASH RACK DETAIL
N.T.S.

CONTROL STRUCTURE	(A) SIZE	(A) ELEV	(B) SIZE	(B) ELEV	(C) SIZE	(C) ELEV	(D) ELEV
1	3"	277.00	20"x6"	277.50	30"x6"	278.10	279.00

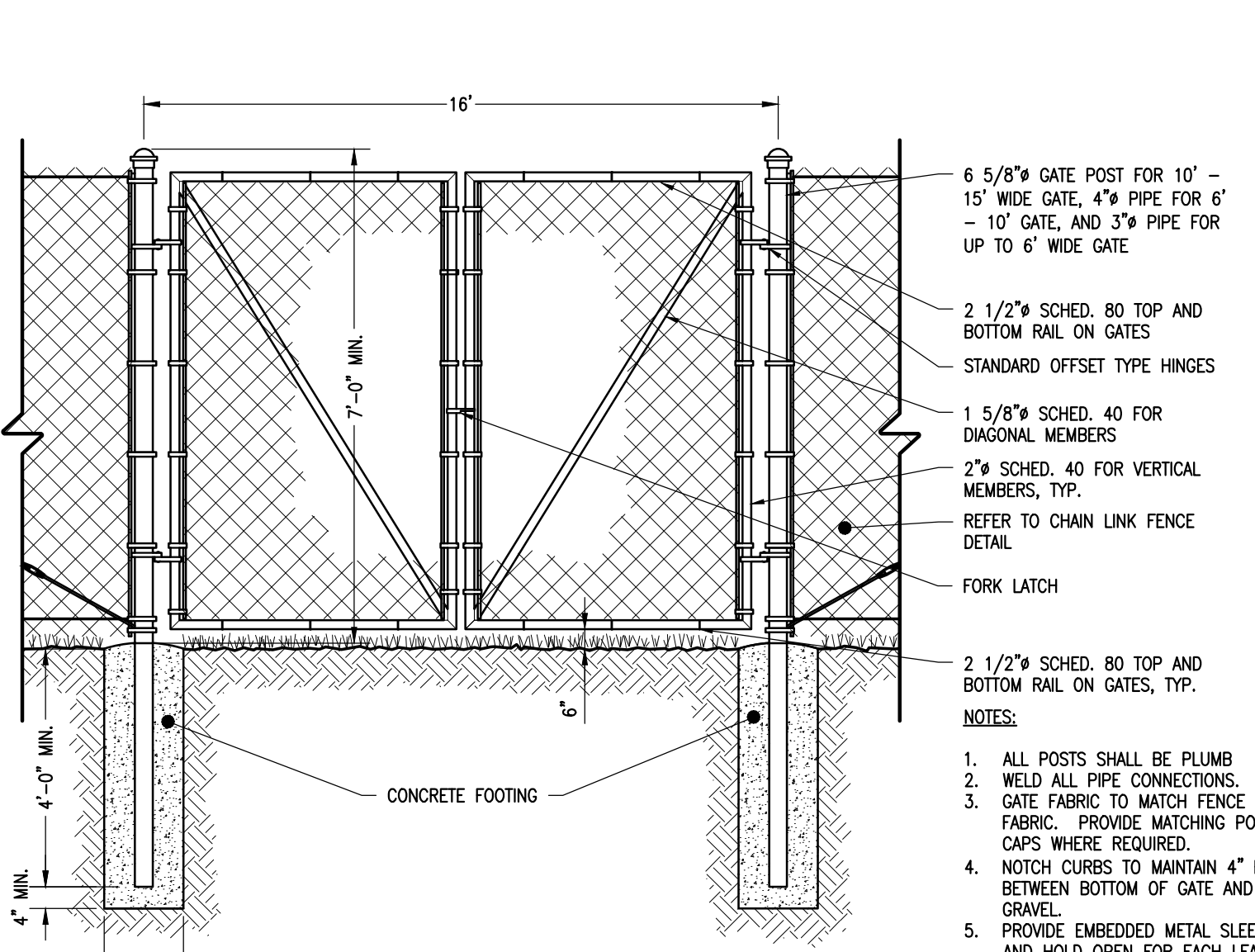


ORIFICE DETAIL
N.T.S.

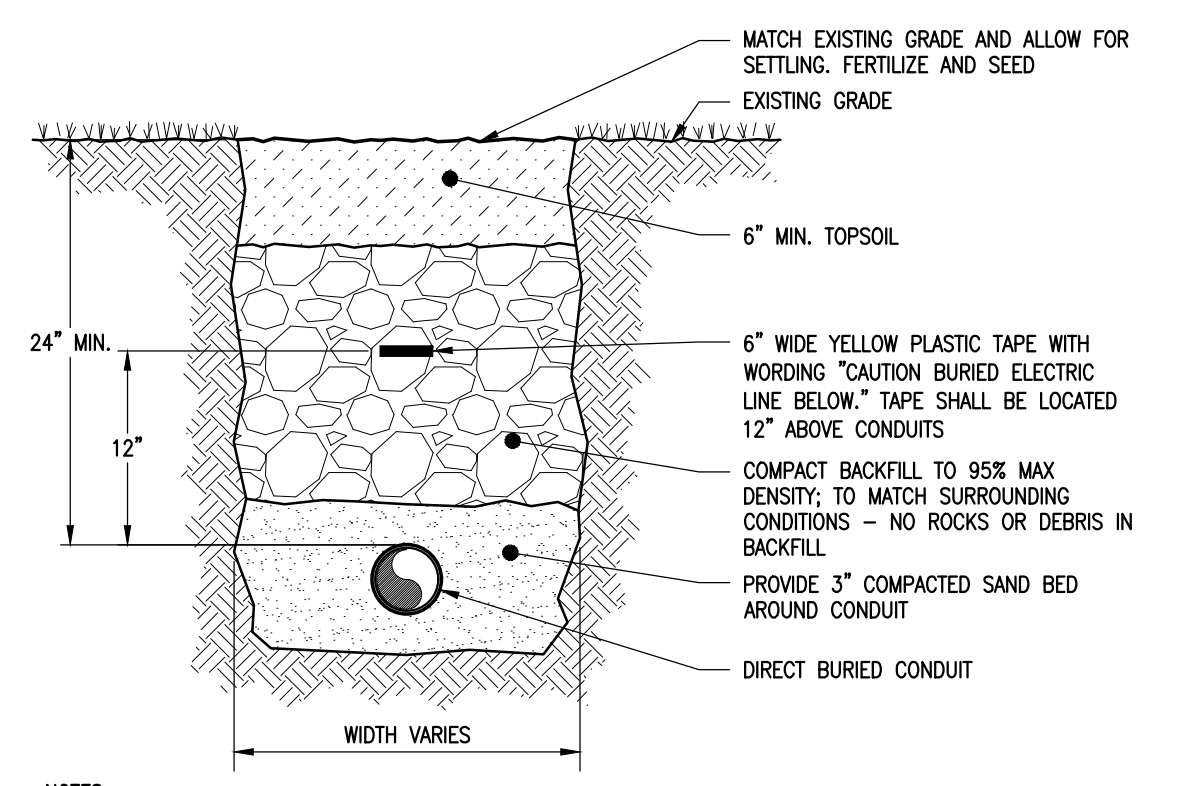


CHAIN-LINK FENCE DETAIL
N.T.S.

CHAIN-LINK FENCE GATE DETAIL
NO SCALE

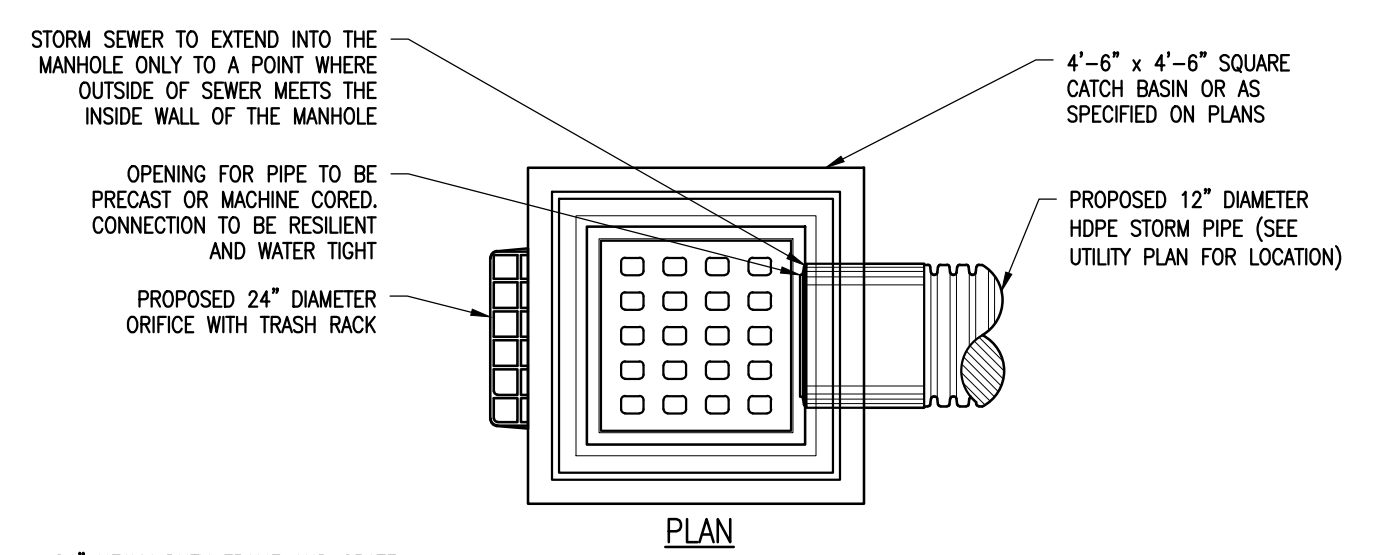


CHAIN-LINK FENCE GATE DETAIL
NO SCALE

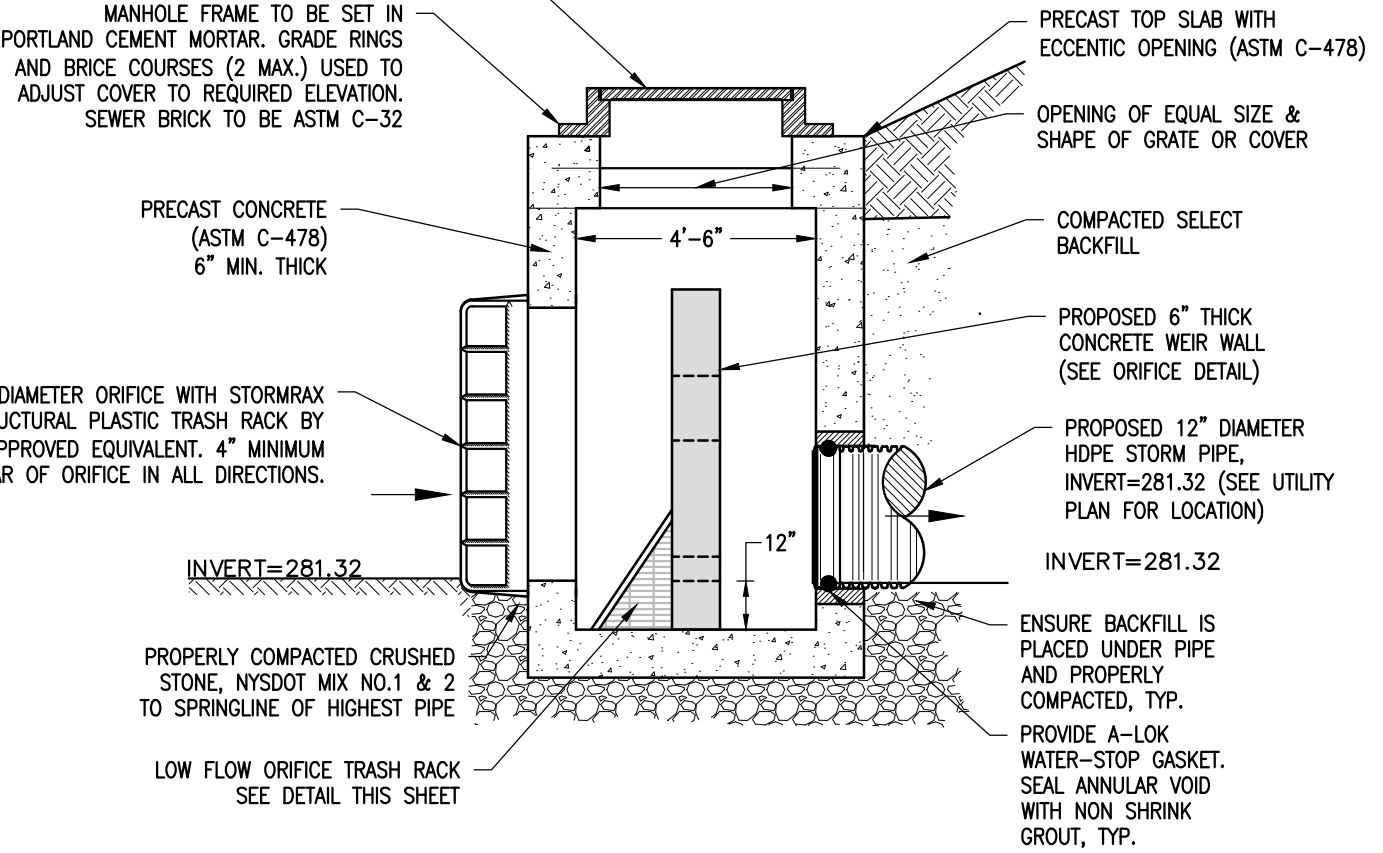


DIRECT BURIED CONDUIT TRENCH DETAIL
(IN GRASS)
N.T.S.

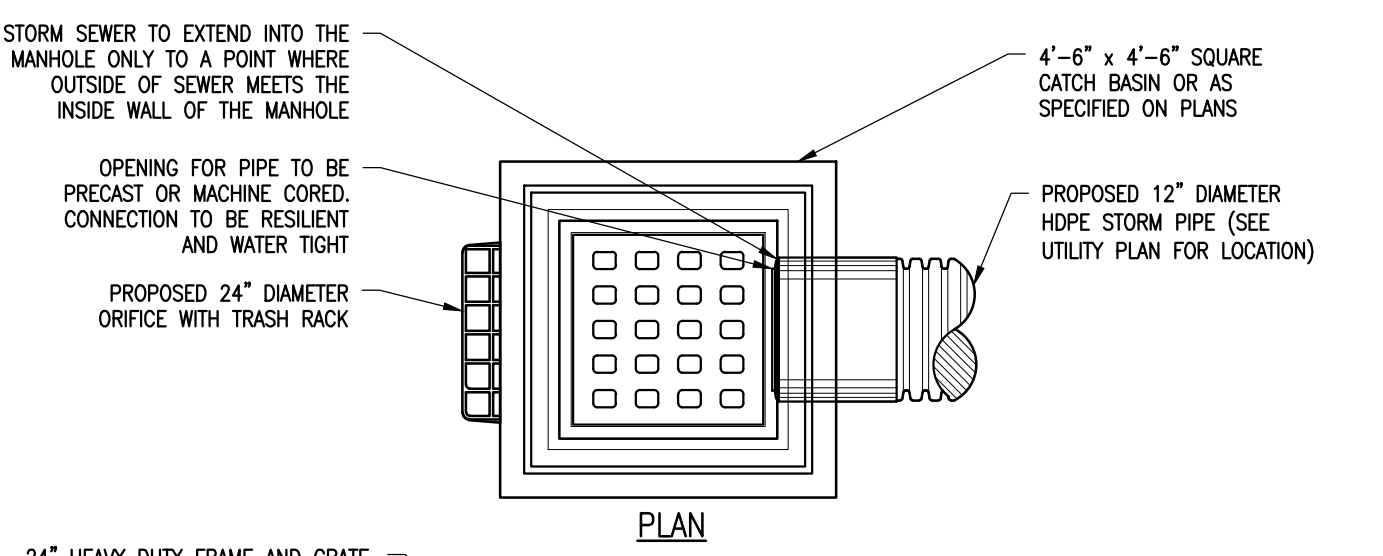
- NOTES:**
- REPAIR ALL SETTLEMENT
 - MINIMUM TOP SOIL DEPTH 6"
 - MULTIPLE CONDUITS SHALL BE SPACED 7" ON CENTER



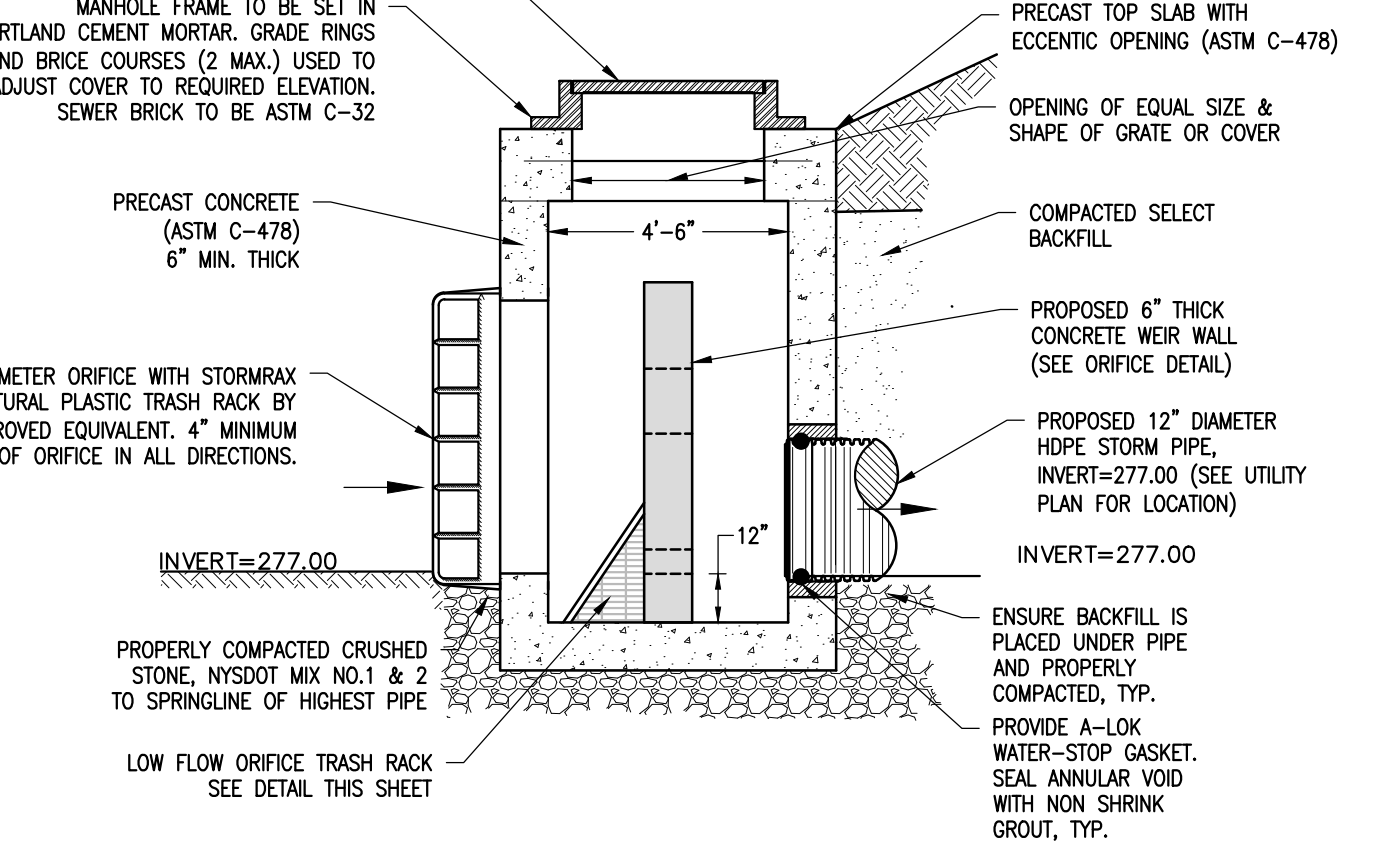
OUTLET CONTROL STRUCTURE 1 DETAIL
N.T.S.



OUTLET CONTROL STRUCTURE 1 DETAIL
N.T.S.



OUTLET CONTROL STRUCTURE 2 DETAIL
N.T.S.



OUTLET CONTROL STRUCTURE 2 DETAIL
N.T.S.

2/8/2022 7:42 AM M:\Con Edison CEB 014847.00 Con Edison CEB - Yorktown A Solar Farm\4.0 Dwg\4.1 CIVIL\4847.00-Notes & Details.dwg

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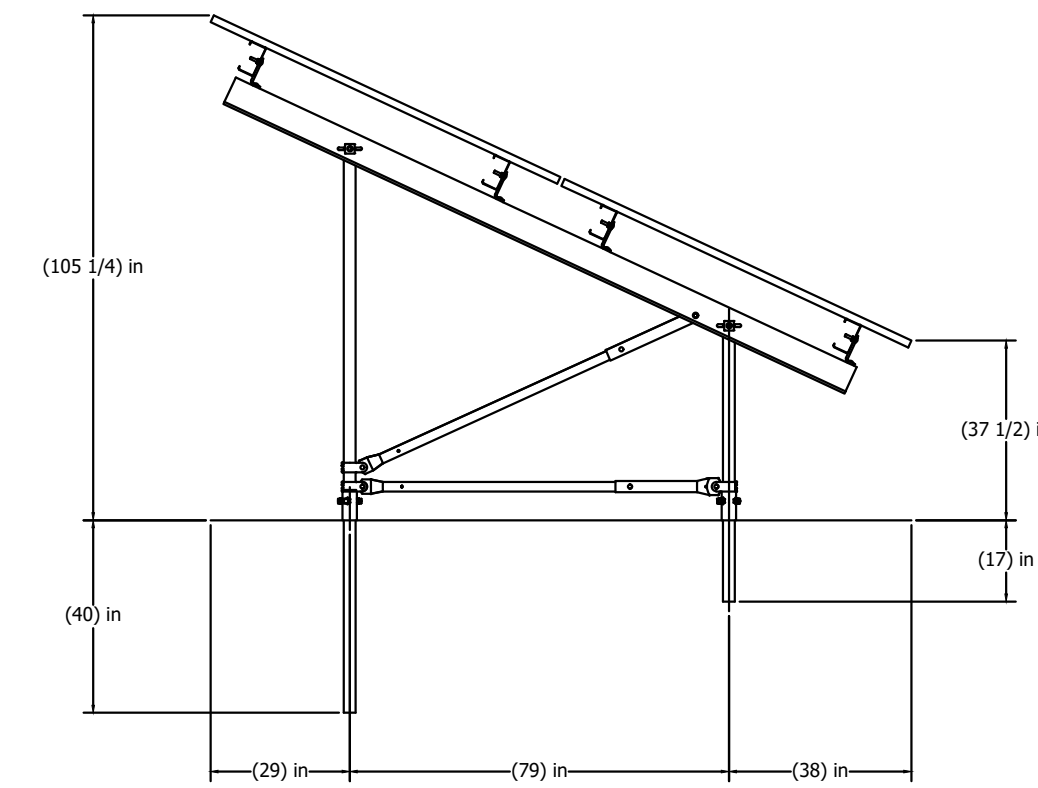
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DETAILS**

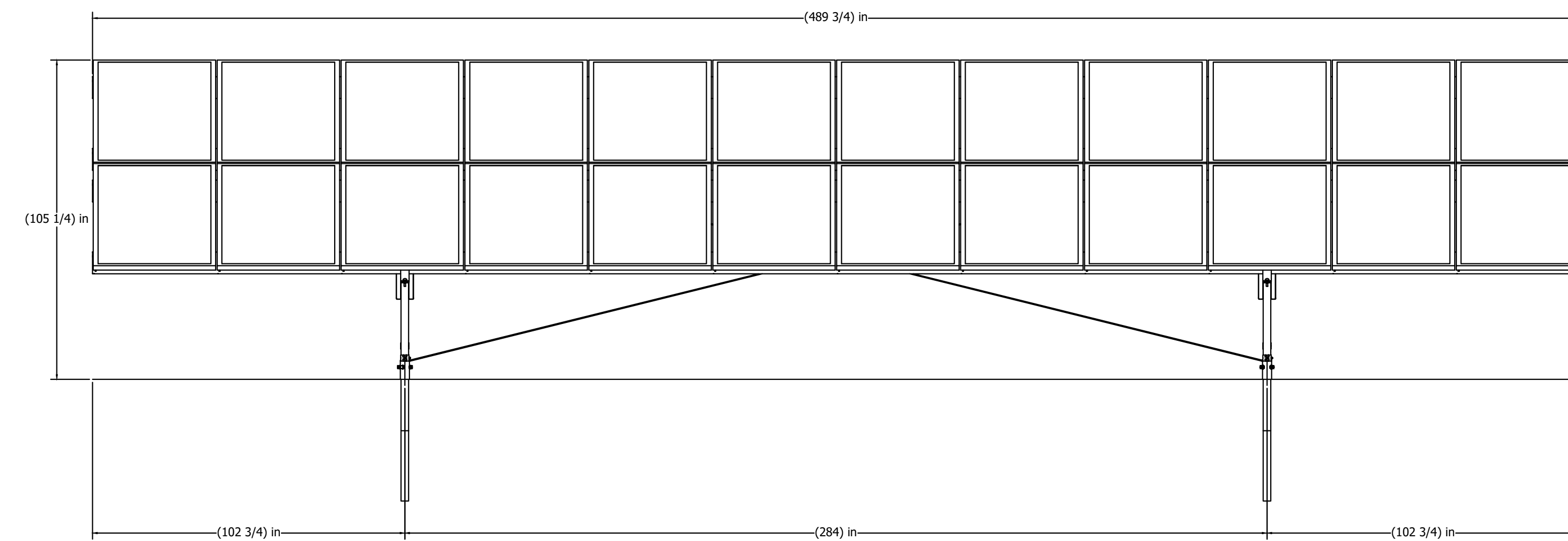
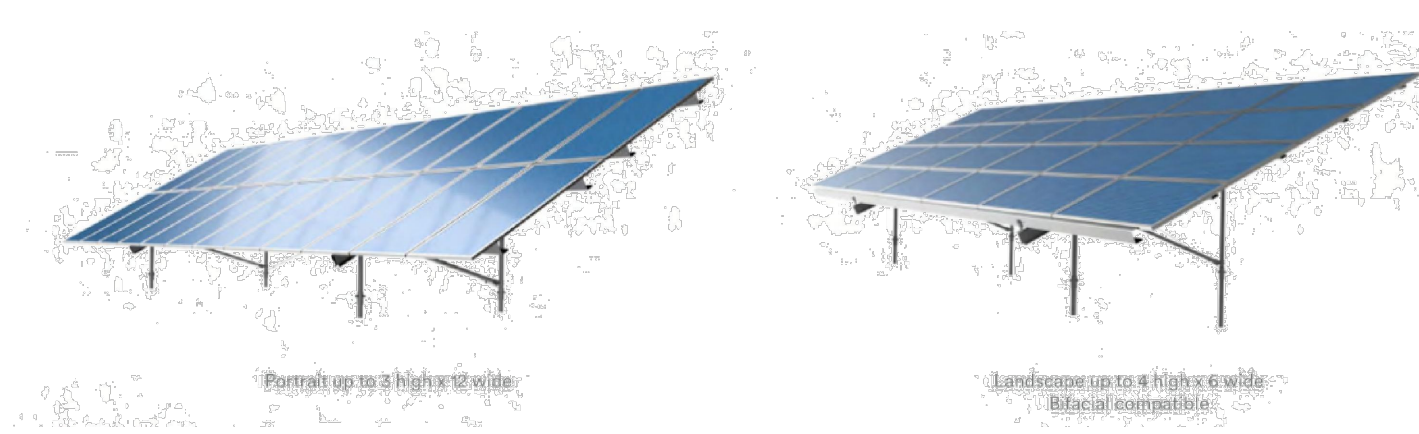
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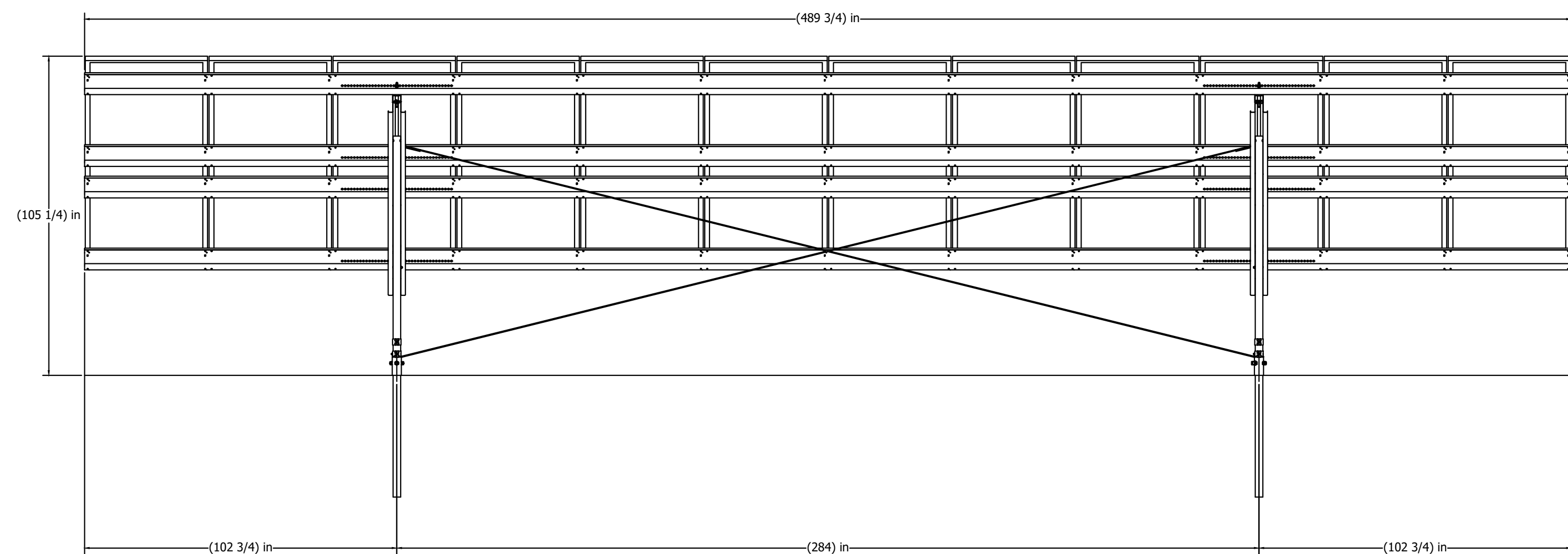
C013



SIDE ELEVATION VIEW



FRONT ELEVATION VIEW



REAR ELEVATION VIEW

- NOTES:
1. TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS.
 2. FINAL DESIGN AND ENGINEERING PLANS TO BE PROVIDED BY THE RACKING MANUFACTURER.

SOLAR PANEL DETAIL
NO SCALE