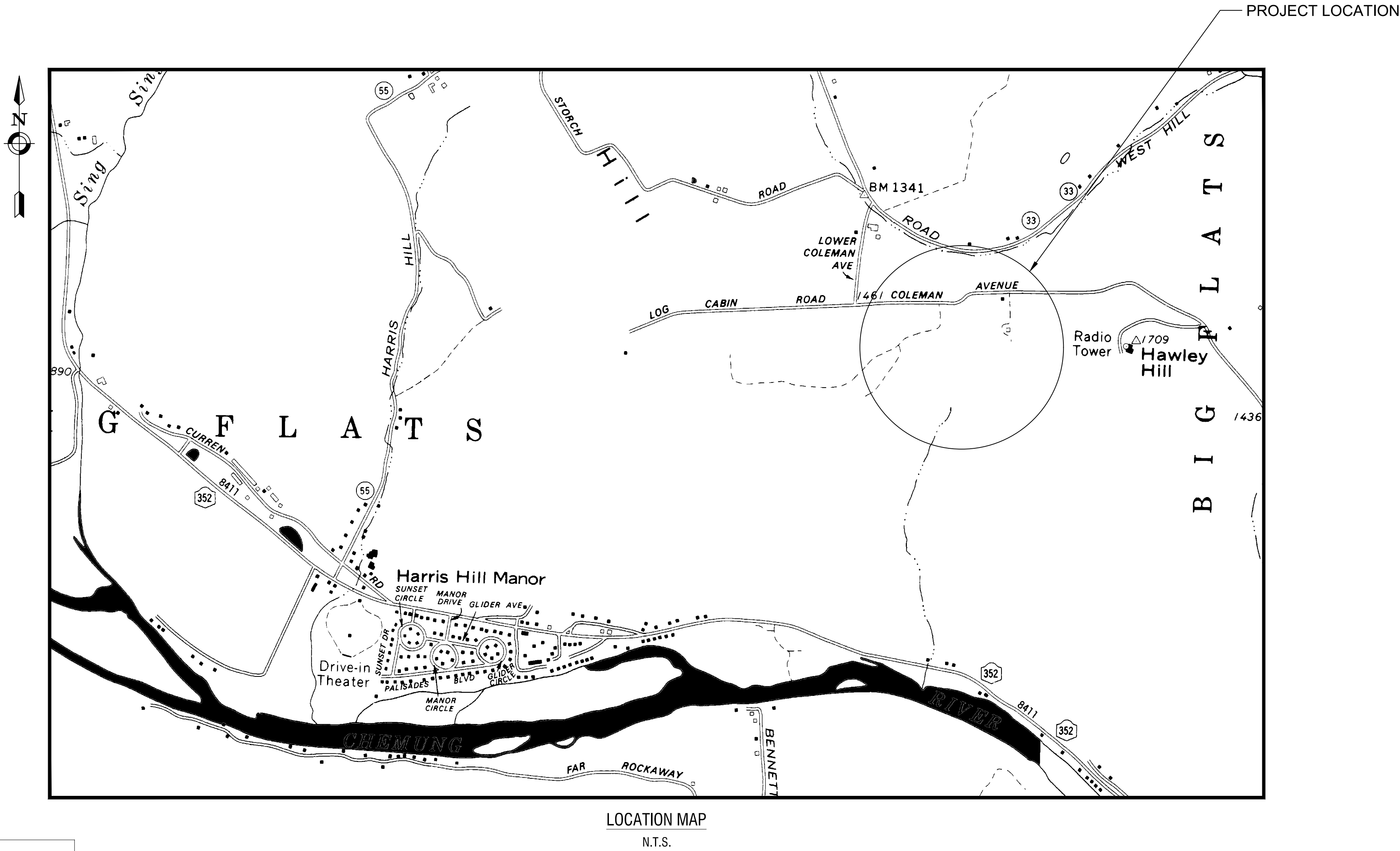


# TANGLEWOOD ADA PARKING AND TRAIL

## 443 COLEMAN AVENUE

### ELMIRA, NY, 14903



TOWN OF BIG FLATS ZONING ORDINANCE REVIEW CONSERVATION (C) ZONING DISTRICT RIDGELINE OVERLAY DISTRICT		
	REQUIRED	PROVIDED
17.16.020 BULK AND DENSITY CONTROL REQUIREMENTS		
PARCEL SIZE	3 ACRES	170.3 ACRES
LOT WIDTH	200 FEET	1,673 FT
MINIMUM YARD REQUIREMENTS (SETBACKS)		
FRONT	25 FEET	1,320 FT
SIDE	15 FEET	500 FT
REAR	25 FEET	2,640 FT
MAXIMUM LOT COVERAGE	5%	1.5%
MAXIMUM BUILDING HEIGHT	25 FEET	80 FEET, VARIANCE REQUESTED
17.48.010 OFF-ROAD PARKING		
PARKING SPACES	AS DETERMINED BY PLANNING BOARD	59 PARKING SPACES WITH 3 ADA PARKING SPACES. REFER TO ANALYSIS OF PARKING NEEDS PROVIDED.
17.36.250 OUTDOOR RECREATIONAL USE REQUIREMENTS		
OUTDOOR LIGHTING FOR PUBLIC AREA WHERE THERE IS GENERALLY VERY LITTLE NIGHTTIME ACTIVITY (17.36.240) MINIMUM	0.2 FC	REFER TO C302 LIGHTING PLAN
LOT LINE SHALL NOT EXCEED	0.2 FC	REFER TO C302 LIGHTING PLAN
MAXIMUM HEIGHT FOR OUTDOOR LIGHTING	25 FEET	16 FEET

TANGLEWOOD NATURE CENTER  
443 COLEMAN AVENUE  
ELMIRA, NY, 14903  
PROJECT NO: 2233035  
DECEMBER 16, 2024



GENERAL NOTES

1. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE TO LOCATE UTILITIES OUTSIDE THE RIGHT-OF-WAY INCLUDING PRIVATE ROADS.
2. SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL MATERIALS, TOOLS AND EQUIPMENT, INCLUDING SPECIAL CUTTING DEVICES, NECESSARY TO PERFORM THE WORK CONTAINED IN THIS CONTRACT.
4. THE SIZES AND MATERIAL OF CONSTRUCTION OF WATER MAINS, SANITARY SEWERS AND STORM SEWERS TO REMAIN ARE REPUTED. THE CONTRACTOR SHALL VERIFY SIZES OF ALL UTILITIES WHERE CONNECTIONS TO SAID EXISTING UTILITIES ARE REQUIRED. EXCAVATION TO VERIFY THESE UTILITIES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE AMENITIES NOT DESIGNATED FOR REMOVAL.
6. UNLESS OTHERWISE INDICATED ON THE PLANS OR DIRECTED BY THE ARCHITECT/ENGINEER, THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING FROM DAMAGE ALL TREES, SHRUBS AND PLANTS IN THE VICINITY OF THE PROPOSED WORK.
7. THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES DESIGNATED TO REMAIN FOR THE DURATION OF THE CONTRACT.
8. ANY SITE AMENITY, UTILITY, STREET APPURTENANCE, OR OTHER ITEM WHICH BECOMES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED IN-KIND BY THE CONTRACTOR AS DETERMINED BY THE PROJECT MANAGER OR ARCHITECT/ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.
9. UPON COMPLETION OF THE PROPOSED STORMWATER CONSTRUCTION, A LICENSED PROFESSIONAL ENGINEER SHALL PROVIDE A CERTIFICATION LETTER TO THE TOWN OF BIG FLATS CODE ENFORCEMENT OFFICER STATING THAT THE STORMWATER MANAGEMENT SYSTEM WAS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. ANY CHANGES SHALL BE NOTED ON THE PLANS AND A COPY OF THE PLANS PROVIDED TO THE TOWN IN THE FORM OF AN AS-BUILT.

SURVEY NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY MARKERS AND RIGHT-OF-WAY MARKERS IN THE AREA OF CONSTRUCTION.
3. ANY IRON PINS, MONUMENTS OR OTHER ITEMS DEFINING PROPERTY LINES WHICH ARE DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY TIED AND ACCURATELY RESET BY A NYS LICENSED SURVEYOR UPON COMPLETION OF THE WORK.
4. TOPOGRAPHIC SURVEY DATED 12/22/2023 PROVIDED BY FAGAN ENGINEERS AND LAND SURVEYORS PC. SUPPLEMENTAL TOPOGRAPHICAL DATA DATED 7/23/2024 WAS PROVIDED BY FAGAN ENGINEERS AND LAND SURVEYORS PC.
5. HORIZONTAL DATUM BASED OFF NAD83.
6. VERTICAL DATUM BASED OFF OF NAVD 88.

DEMOLITION NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY DIG SAFE NEW YORK AT 811 TO REQUEST UTILITY STAKEOUT OF ALL PUBLIC UTILITIES.
3. WORK ASSOCIATED WITH THIS CONTRACT WILL OCCUR AT AN ACTIVE AND FUNCTIONAL FACILITY. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO MINIMIZE DISRUPTION TO THE OPERATIONS OF THE FACILITY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE A SAFE WORK SITE AND TO PROTECT THE PUBLIC, VISITORS AND EMPLOYEES FROM HARM AS A RESULT OF HIS CONSTRUCTION ACTIVITIES.
4. THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STRUCTURES, AND APPURTENANCES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, STRUCTURES, AND APPURTENANCES IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK.
5. SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
6. CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES DESIGNATED TO REMAIN FOR THE DURATION OF THE CONTRACT.
7. THE CONTRACTOR SHALL NOTIFY THE LOCAL GOVERNMENT, LOCAL FIRE DEPARTMENT AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AS NECESSARY AND SHALL OBTAIN ANY REQUIRED PERMITS PRIOR TO BEGINNING WORK. COPIES OF ANY REQUIRED PERMITS SHALL BE PROVIDED TO THE OWNER PRIOR TO BEGINNING THE WORK.
8. CONTRACTOR SHALL REMOVE FROM SITE, MATERIALS NOT INDICATED TO BE SALVAGED INCLUDING ALL DEBRIS. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.
9. ALL TREES, SHRUBS AND PLANTS DESIGNATED TO REMAIN AND DISTURBED BY CONSTRUCTION OPERATIONS, SHALL BE REPLACED IN-KIND AS DIRECTED BY THE ARCHITECT/ENGINEER AND/OR OWNER'S DESIGNATED REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL MAINTAIN SAFE VEHICULAR AND PEDESTRIAN ACCESS TO THE EXISTING BUILDINGS FOR THE DURATION OF THE CONTRACT.
11. WHEN EXISTING CONSTRUCTION WHICH IS TO REMAIN IS DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF CONTRACTORS WORK, IT SHALL BE REPAIRED AND/OR REPLACED WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, AT NO COST TO THE OWNER. ALL REPAIRS AND/OR REPLACEMENTS WILL BE SUBJECT TO OWNERS APPROVAL.
12. COORDINATE LOCATION OF TEMPORARY CONSTRUCTION FENCE AND TEMPORARY STONE STAGING AREA WITH OWNER

SITE NOTES

1. WELL COMPACTED SUBGRADE SHALL BE UTILIZED UNDERNEATH CONSTRUCTION OF PAVEMENT AND CONCRETE BASES.
2. ALL STAKEOUT FOR THE PROPOSED SITE IMPROVEMENTS SHALL BE COMPLETED BY A NEW YORK STATE LICENSED LAND SURVEYOR.
3. IF ANY DISCREPANCIES ARE NOTED BETWEEN THESE CONSTRUCTION DOCUMENTS AND INFORMATION PROVIDED OR AN ERROR IS SUSPECT, IT SHALL BE IMMEDIATELY REPORTED TO THE CONSTRUCTION MANAGER AND LABELLA ASSOCIATES PROJECT MANAGER IN WRITING.
4. ANY PROOF-ROLLING OF EXPOSED SUBBASE BY A MINIMUM 10 TON SMOOTH DRUM ROLLER SHALL BE DONE UNDER THE GUIDANCE OF, AND OBSERVED BY, QUALIFIED ENGINEERING PERSONNEL PRIOR TO PLACEMENT OF SUBBASE MATERIAL. THE ROLLER SHOULD BE OPERATED IN THE STATIC MODE AND COMPLETE AT LEAST TWO (2) PASSES OVER THE EXPOSED SUBGRADES.
5. EXISTING WETLANDS DELINEATED BY LABELLA ASSOCIATES IN AUGUST 2024.
6. PARCEL LINES PROVIDED BY FAGAN SURVEY DATED 12-22-2023.
7. PARCEL LINES AS SHOWN ON SHEET C002 PARCEL MAP BY CHEMUNG COUNTY GIS DATABASE, FOR THE TOWN OF BIG FLATS.

GRADING NOTES

1. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF OSHA, AND ANY OTHER AGENCY HAVING JURISDICTION WITH REGARD TO SAFETY PRECAUTIONS WITH TRENCHING OPERATIONS. THE REQUIREMENTS SET FORTH HEREIN ARE INTENDED TO SUPPLEMENT REQUIREMENTS ESTABLISHED BY THESE AGENCIES. IN THE CASE OF A CONFLICT BETWEEN REQUIREMENTS OF OTHER JURISDICTIONAL AGENCIES AND THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT ON THE CONTRACTOR SHALL APPLY.
2. SHEETING, IF REQUIRED DURING CONSTRUCTION, IS CONSIDERED TO BE PART OF THIS CONTRACT AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
3. ALL TRENCHES THROUGH PAVEMENT SHALL BE SAW CUT PRIOR TO EXCAVATION AND AGAIN PRIOR TO PAVEMENT RESTORATION.
4. CONTRACTOR SHALL ADJUST THE RIMS OF ALL MANHOLES, CATCH BASINS, VALVE BOXES AND OTHER UTILITY SITE STRUCTURES TO MEET FINISHED GRADE IN AREAS REQUIRING REPAVING OR REGRAING AS PART OF THE WORK, INCLUDING THOSE THAT MAY NOT BE SHOWN ON THE PLANS.
5. VOIDS LEFT BY UTILITY OR STRUCTURE REMOVAL OR GRUBBING OPERATIONS SHALL BE BACKFILLED AND PROPERLY COMPACTED WITH STRUCTURAL FILL (NYSDOT ITEM 304.12) IN AREAS UNDER AND WITHIN 5 FEET HORIZONTALLY OF ALL STRUCTURES, BUILDINGS AND PAVEMENTS. IN GRASSED AREAS, VOIDS LEFT SHALL BE FILLED AND PROPERLY COMPACTED WITH SUITABLE ON-SITE OR IMPORTED EARTHEN BACKFILL. ALL DISTURBED AREAS SHALL BE RESTORED.
6. THE CONTRACTOR SHALL DEWATER ALL EXCAVATIONS TO PREVENT THE INTRODUCTION OF GROUNDWATER INTO THE TRENCHES/EXCAVATIONS. PROVIDE ALL EQUIPMENT NECESSARY TO MAINTAIN THE GROUNDWATER LEVEL AS NECESSARY.
7. THE CONTRACTOR SHALL PLACE AT MINIMUM 6 INCHES OF CLEANED SCREENED TOPSOIL IN ALL DISTURBED AREAS PRIOR TO SEEDING.




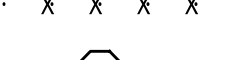


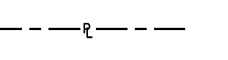
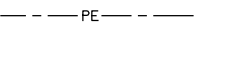
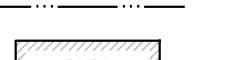
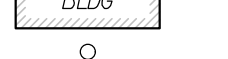












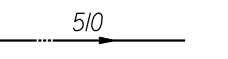
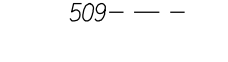










EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED EROSION CONTROL PLAN INCLUDING SEQUENCING OF WORK TO THE ENGINEER FOR REVIEW PRIOR TO START OF WORK.
2. UTILIZE CONSTRUCTION METHODS/TECHNIQUES, WHICH WILL LIMIT THE EXPOSED EARTHEN AREAS AND MINIMIZE THE EFFECT OF EARTH DISTURBANCE ACTIVITES ON SOIL EROSION. THE AREA OF DISTURBANCE SHALL BE LIMITED TO A MAXIMUM OF 5 ACRES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. ALL SEDIMENTATION BARRIERS AND OTHER TEMPORARY OR PERMANENT MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. PLANS SHOW THE SUGGESTED MINIMUM MEASURES REQUIRED.
4. REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE COMPLETED AT THE APPROVAL OF THE OWNER AND ENGINEER. THE COST OF REMOVING THESE MEASURES SHALL ALSO BE INCLUDED IN THE BID PRICE.
5. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT AND/OR DOWNSTREAM STORM/SANITARY SEWERS, AND/OR OTHER WATER COURSES FROM CONTAMINATION BY WATER BORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, LUBRICANTS OR OTHER POLLUTANTS ORIGINATING FROM ANY WORK DONE ON, OR IN SUPPORT OF THIS PROJECT.
6. DURING CONSTRUCTION NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO STORM/SANITARY SEWERS, DITCHES OR OTHER WATERS OF NEW YORK STATE, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY STORM/SANITARY SEWERS, DITCHES, RIVERS, OR WATER COURSES.
7. ALL EXCAVATED OR IMPORTED EARTHEN STOCKPILES SHALL BE SUITABLY STABILIZED AND PROTECTED BY SILT FENCE SO THAT IT CANNOT REASONABLY ENTER ANY WATER BODY, OR STORM OR SANITARY SEWER.
8. ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK FOR EROSION AND POLLUTION CONTROL SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
9. THE CONTRACTOR SHALL BE REQUIRED TO TREAT TRAVELED AREAS TO CONTROL DUST. WATER SHALL BE APPLIED TO SUCH TRAVELED AREAS AS THE ARCHITECT/ENGINEER OR OWNERS DESIGNATED REPRESENTATIVE MAY DESIGNATE. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER SHALL BE BASED UPON FIELD AND WEATHER CONDITIONS.
10. ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT WHICH WILL NOT BE SUBJECT TO FURTHER EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL BE PERMANENTLY SEEDED TO ESTABLISH GRASS, AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL DISTURBANCE. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.
11. CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCE(S), AS SHOWN ON THE PLANS SHALL BE PROVIDED. ALL DISTURBED AREAS SHALL BE RESTORED.
12. ALL CATCH BASINS/DRAINAGE INLETS SHALL HAVE STONED INLET PROTECTION AROUND THEM AND GEOTEXTILE FABRIC OVER THE GRATE TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SYSTEM.
13. TILL ALL COMPACTED SOILS LOCATED IN LAWN AREAS TO RESTORE THE ORIGINAL PROPERTIES OF THE SOIL PRIOR TO SEEDING.

WETLAND AND STREAM NOTES

1. A NYSDEC NATIONWIDE PERMIT IS REQUIRED FOR WORK WITHIN THE WETLAND AND STREAM AREAS. THE NATIONWIDE PERMIT MUST BE ATTAINED PRIOR TO ANY DISTURBANCES WITHIN THE WETLAND AND STREAM AREAS.
2. DISTURBANCES WITHIN WETLAND AREAS SHALL BE LIMITED TO LESS THAN 0.1 ACRES.
3. CONTRACTOR TO MINIMIZE DISTURBANCES WITHIN THE WETLANDS TO THE GREATEST EXTENT POSSIBLE. TIMBER MATS MUST BE USED FOR STREAM AND WETLAND CROSSINGS.
4. CONSTRUCTION FENCE SHALL BE INSTALLED ALONG THE EDGE OF WETLANDS WITHIN THE VICINITY OF THE PROJECT AREA TO PROTECT WETLAND AREAS FROM CONSTRUCTION ACTIVITIES.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BORING LOCATIONS
		OBJECT REMOVAL
		OBJECT REMOVAL
		UTILITY REMOVAL
		TREE PROTECTION
		TREE/VEGETATION LIMIT
		PROPERTY LINE
		EASEMENTS
		WETLAND BUFFER
		BUILDING/STRUCTURE
		FLAG POLE
		SIGN
		DECIDUOUS TREE
		CONIFEROUS TREE
		BOLLARD LIGHT POLE
		LIGHT POLE SINGLE
		PROPOSED BOARDWALK LIGHT
		HANDHOLE
		END SECTION
		WATER WELL
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC
		STORM LINE
		MAJOR CONTOUR
		MINOR CONTOUR
		% OF DRAINAGE SWALE
		COMPOST FILTER SOCK
		SILT SOCK INLET PROTECTION
		CHECK DAM
		STABILIZED CONSTRUCTION ENTRANCE
		(E&S/C) CONCRETE WASHOUT
		(E&S/C) TOPSOIL STOCKPILES

CONSTRUCTION SEQUENCE

1. PRE-CONSTRUCTION MEETING.
2. DELINEATE DISTURBED AREAS AND INSTALL ORANGE CONSTRUCTION FENCE FOR PROTECTED AREAS.
3. INSTALL COMPOST FILTER SOCK & STABILIZED CONSTRUCTION ENTRANCES.
4. BEGIN CLEARING AND GRUBBING OPERATIONS. LIMIT CLEARING AND GRUBBING TO AREAS OF PROPOSED EARTHWORK AND AS INDICATED ON PLANS.
5. REMOVE, STOCKPILE AND STABILIZE TOPSOIL.
6. PERFORM ROUGH GRADING AND REALIGN DRAINAGE DITCH AS SHOWN ON PLANS.
7. INSTALL CANOPY WALKWAY STRUCTURE.
8. INSTALL SITE UTILITIES.
9. PERFORM DEEP-RIPPING AND DECOMPACTION PER THE NYSDEC'S DOCUMENT ENTITLED DEEP-RIPPING AND DECOMPACTION, APRIL 2008 AND TABLE 5.3 OF THE NYS STORMWATER DESIGN MANUAL.
10. PERFORM FINAL GRADING.
11. PERFORM FINAL STABILIZATION OF DISTURBED AREAS AND PLANT TREES.
12. PAVE PARKING LOT AND ADA TRAIL FROM PARKING LOT TO CANOPY STRUCTURE.
13. INSTALL SIGNAGE.
14. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS ONCE 80% STABILIZATION HAS BEEN ACHIEVED.



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Elmira, NY 14901  
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CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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TANGLEWOOD NATURE CENTER

443 COLEMAN AVENUE  
ELMIRA, NY 14903  
TELEPHONE: (607) 732 - 6060  
TAX PARCEL NUMBER: 87.00-1-34.1

TANGLEWOOD ADA PARKING AND TRAIL

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DRAWING INDEX

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C301 UTILITY PLAN

C302 LIGHTING PLAN

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C401 GRADING AND EROSION CONTROL PLAN

C501 CONSTRUCTION DETAILS

C502 CONSTRUCTION DETAILS

C503 CONSTRUCTION DETAILS

C504 CONSTRUCTION DETAILS

C601 LANDSCAPE PLAN

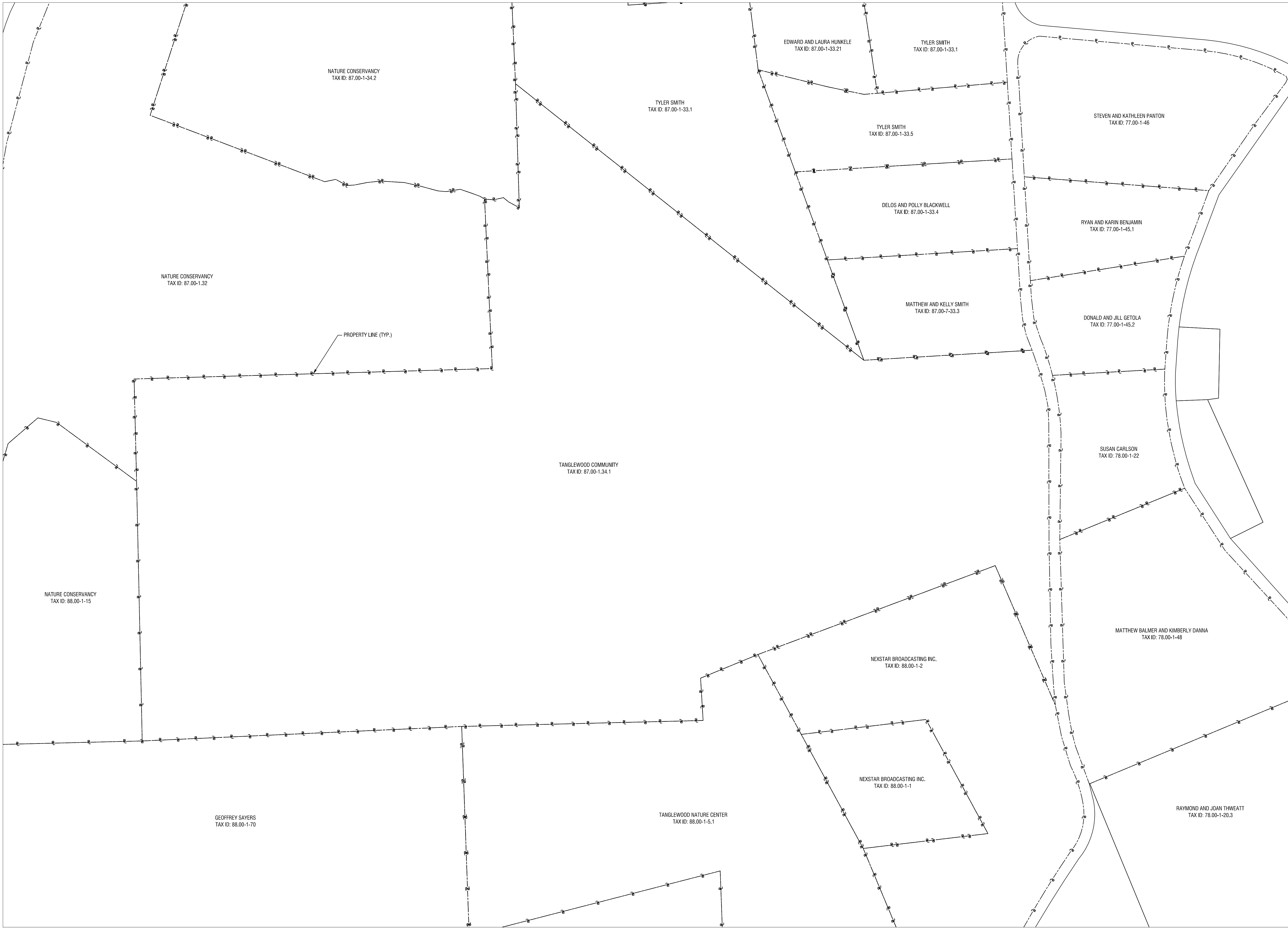
C001 GENERAL NOTES, LEGEND, AND DRAWING INDEX

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C001

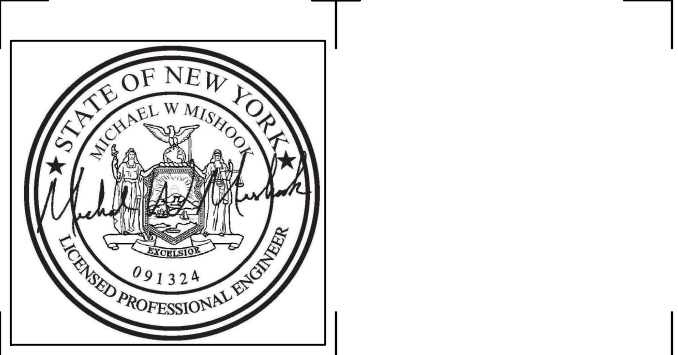


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### TANGLEWOOD ADA PARKING AND TRAIL

443 COLEMAN AVENUE  
ELMIRA, NY 14903

NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER: 2233035

DRAWN BY: JLE

REVIEWED BY: MWM

ISSUED FOR: SITE PLAN REVIEW

DATE: 12/16/2024

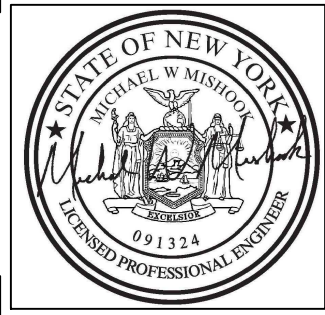
DRAWING NAME:

### PARCEL MAP

DRAWING NUMBER:

C002





EXP: 03/31/2027

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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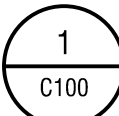
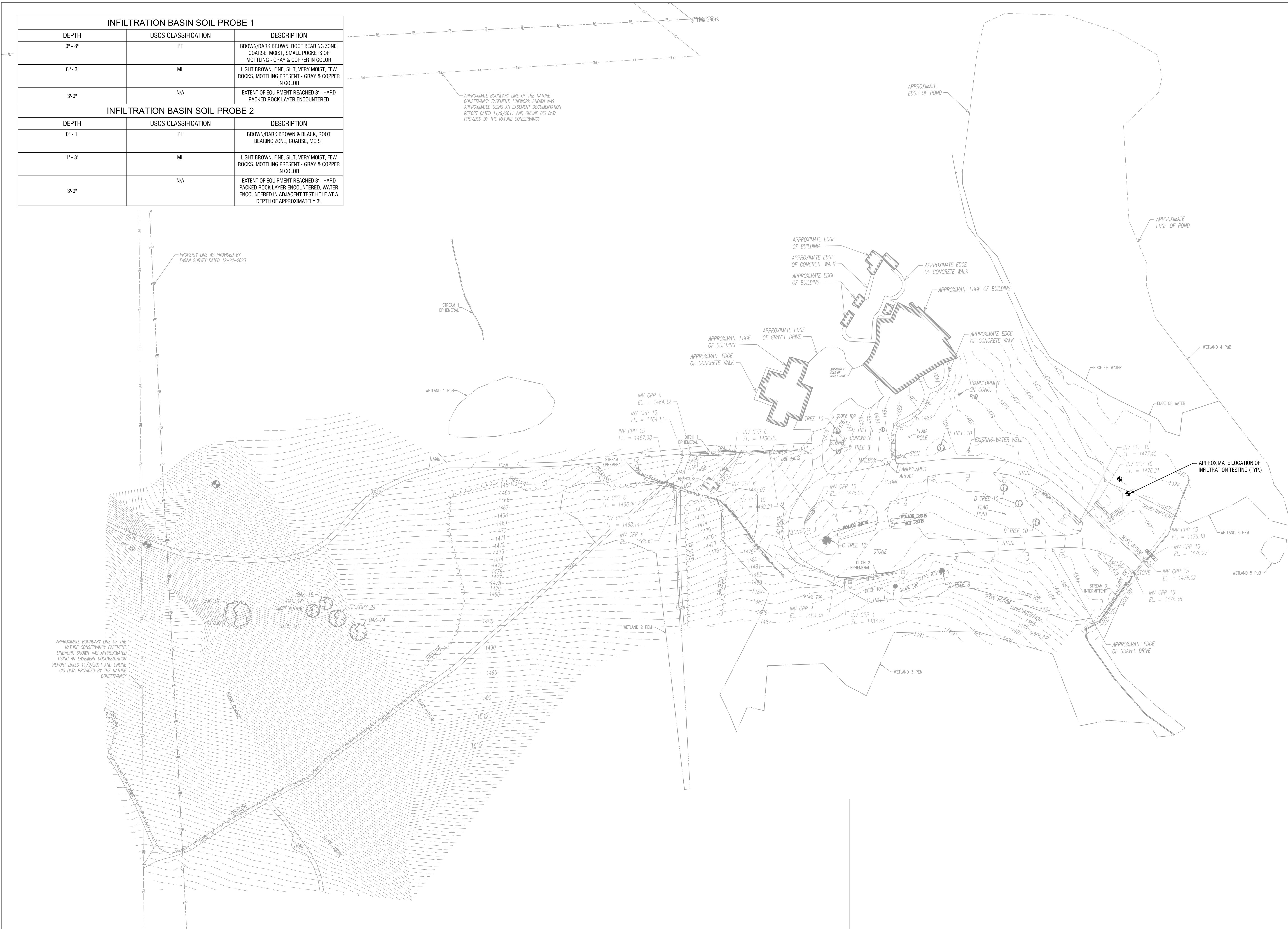
DRAWING NAME:

## EXISTING CONDITIONS

DRAWING NUMBER:

C100

INFILTRATION BASIN SOIL PROBE 1		
DEPTH	USCS CLASSIFICATION	DESCRIPTION
0' - 8'	PT	BROWN/DARK BROWN, ROOT BEARING ZONE, COARSE, MOIST, SMALL POCKETS OF MOTTLING - GRAY & COPPER IN COLOR
8' - 3'	ML	LIGHT BROWN, FINE, SILT, VERY MOIST, FEW ROCKS, MOTTLING PRESENT - GRAY & COPPER IN COLOR
3'-0"	N/A	EXTENT OF EQUIPMENT REACHED 3' - HARD PACKED ROCK LAYER ENCOUNTERED
INFILTRATION BASIN SOIL PROBE 2		
DEPTH	USCS CLASSIFICATION	DESCRIPTION
0' - 1'	PT	BROWN/DARK BROWN & BLACK, ROOT BEARING ZONE, COARSE, MOIST
1' - 3'	ML	LIGHT BROWN, FINE, SILT, VERY MOIST, FEW ROCKS, MOTTLING PRESENT - GRAY & COPPER IN COLOR
3'-0"	N/A	EXTENT OF EQUIPMENT REACHED 3' - HARD PACKED ROCK LAYER ENCOUNTERED, WATER ENCOUNTERED IN ADJACENT TEST HOLE AT A DEPTH OF APPROXIMATELY 3'.



## EXISTING CONDITIONS

SCALE: 1" = 60'



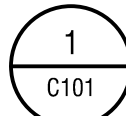
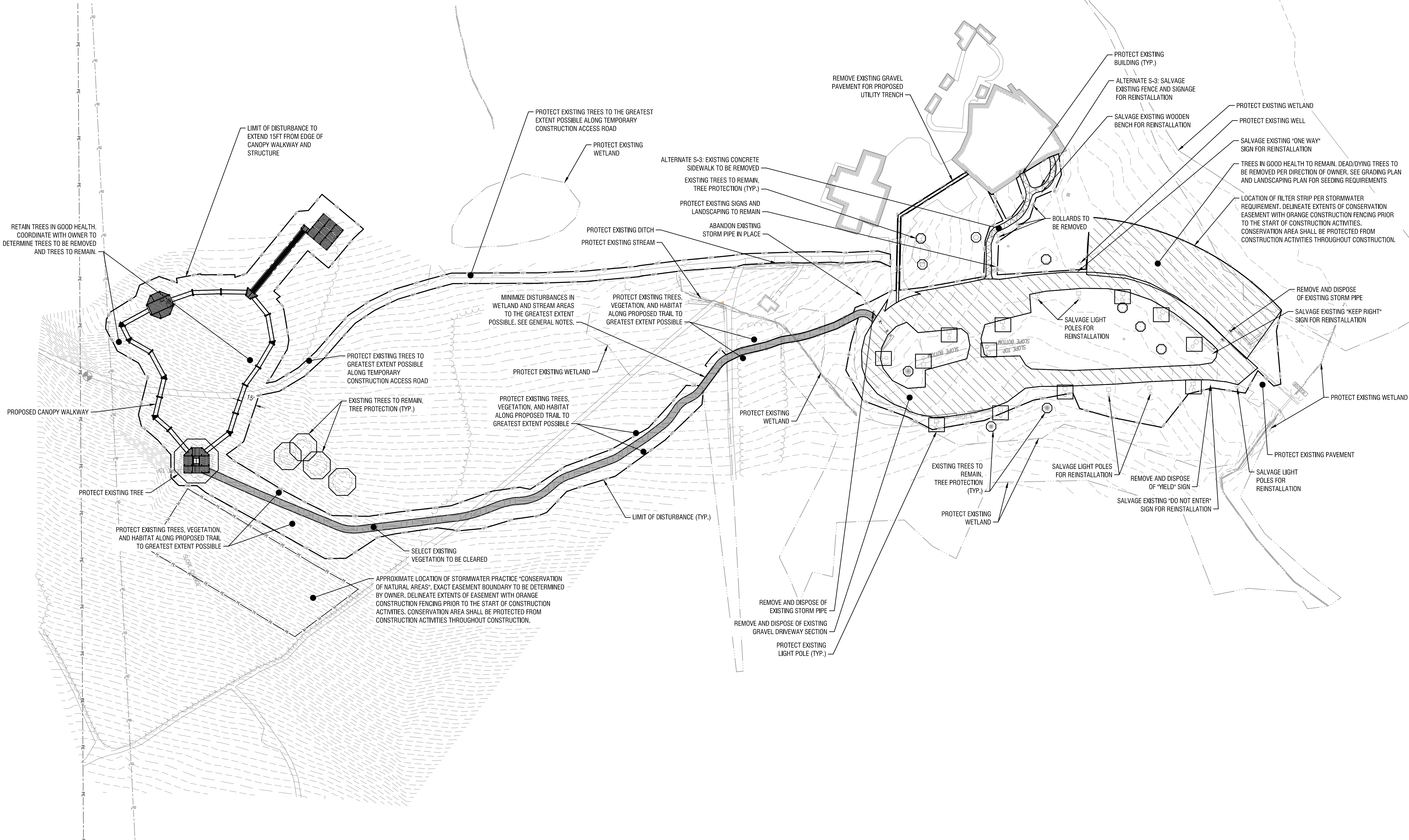
TREE AND BRUSH REMOVAL NOTES:

1. CONTRACTOR TO COORDINATE TREE AND BRUSH REMOVAL WITH OWNER.
2. TREE AND BRUSH REMOVAL SHALL EXTEND APPROXIMATELY 15FT FROM THE EDGE OF THE PROPOSED CANOPY WALKWAY.
3. PROTECT AND PRESERVE TREES AS DIRECTED BY OWNER.
4. THE APPROXIMATE REMOVAL OF TREES IS PROVIDED IN THE TABLE BELOW.

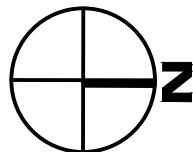
GENERAL NOTE:

1. SITE IMPROVEMENTS NOTED AS "ALTERNATE" ARE LABELED FOR BIDDING PURPOSES. "ALTERNATE" ITEMS WILL BE INCLUDED PENDING AVAILABLE FUNDING. ITEMS NOT LABELED AS "ALTERNATE" WILL BE INCLUDED IN THE BASE BID.

TANGLEWOOD TREE CANOPY WALKWAY PROJECT ANTICIPATED TREE REMOVAL FOR CONSTRUCTION OF THE CANOPY WALKWAY	
TREE DESCRIPTION	APPROXIMATE QUANTITY
DEAD TREES, LESS THAN 8-INCH DBH	55
DEAD TREES, GREATER THAN 8-INCH DBH	2
SUGAR MAPLE, LIVE AND LESS THAN 8-INCH DBH	15
BUTTERNUT, LIVE AND LESS THAN 8-INCH DBH	1
HICKORY, LIVE AND LESS THAN 8-INCH DBH	1
HICKORY, LIVE AND GREATER THAN 8-INCH DBH	4



1 TANGLEWOOD DEMOLITION PLAN  
SCALE: 1" = 60'



EXP: 03/31/2027

EXP:

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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## TANGLEWOOD NATURE CENTER

443 COLEMAN AVENUE  
ELMIRA, NY 14903  
TELEPHONE: (607) 732 - 6060  
TAX PARCEL NUMBER: 87.00-1-34.1

## TANGLEWOOD ADA PARKING AND TRAIL

443 COLEMAN AVENUE  
ELMIRA, NY 14903

NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER: 2233035

DRAWN BY: JLE

REVIEWED BY: MWM

ISSUED FOR: SITE PLAN REVIEW

DATE: 12/16/2024

DRAWING NAME:

## DEMOLITION PLAN

DRAWING NUMBER:

C101





CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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DRAWING NUMBER:

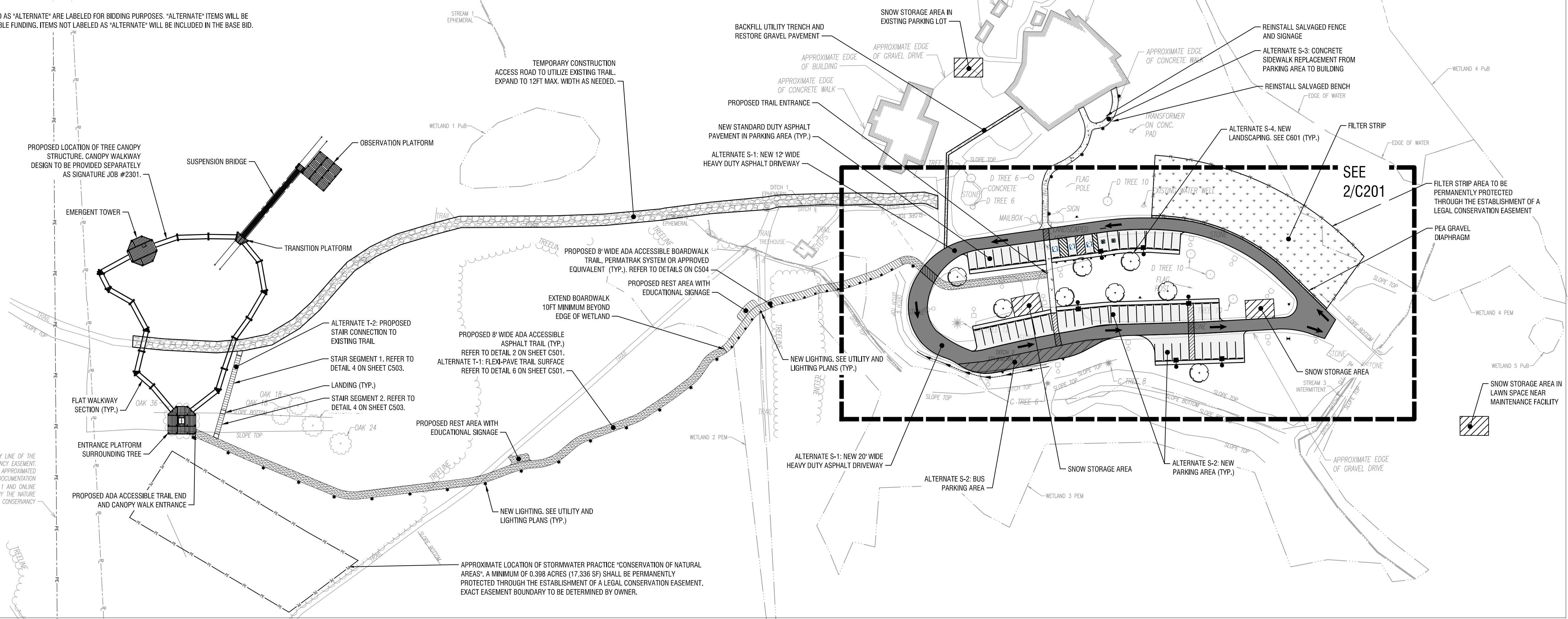
SITE PLAN

DRAWING NUMBER:

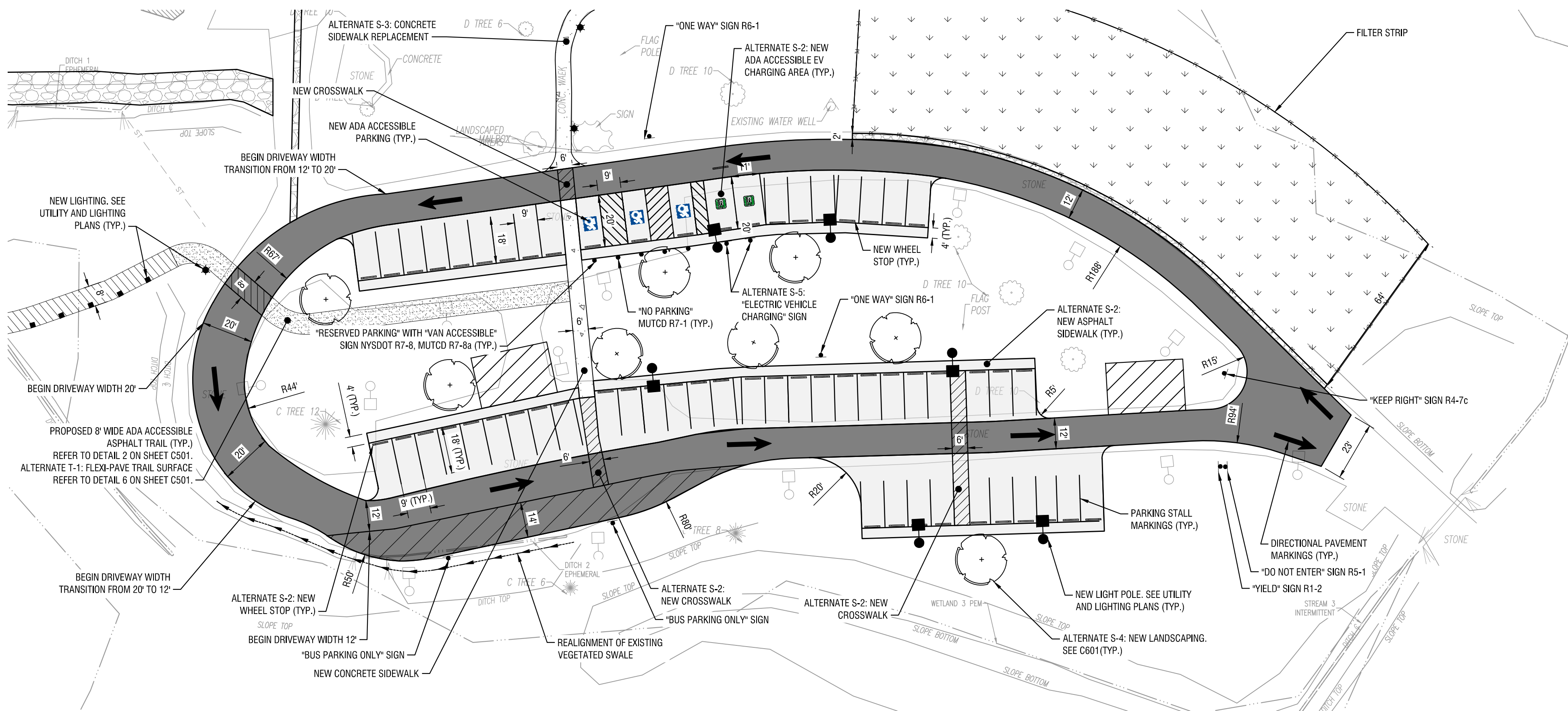
C201

### GENERAL NOTE:

1. SITE IMPROVEMENTS NOTED AS "ALTERNATE" ARE LABELED FOR BIDDING PURPOSES. "ALTERNATE" ITEMS WILL BE INCLUDED PENDING AVAILABLE FUNDING. ITEMS NOT LABELED AS "ALTERNATE" WILL BE INCLUDED IN THE BASE BID.



1 SITE PLAN  
C201 SCALE: 1" = 60'



2 PARKING LOT LAYOUT AND DIRECTIONAL SIGNAGE PLAN  
C201 SCALE: 1" = 30'











EXP: 03/31/2027

**EXP:**

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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# TANGLEWOOD NATURE CENTER

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ELMIRA, NY 14903  
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TAX PARCEL NUMBER: 87.00-1-34.1

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443 COLEMAN AVENUE  
ELMIRA, NY 14903

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2233035

DRAWN BY: JLE

REVIEWED BY: MWM

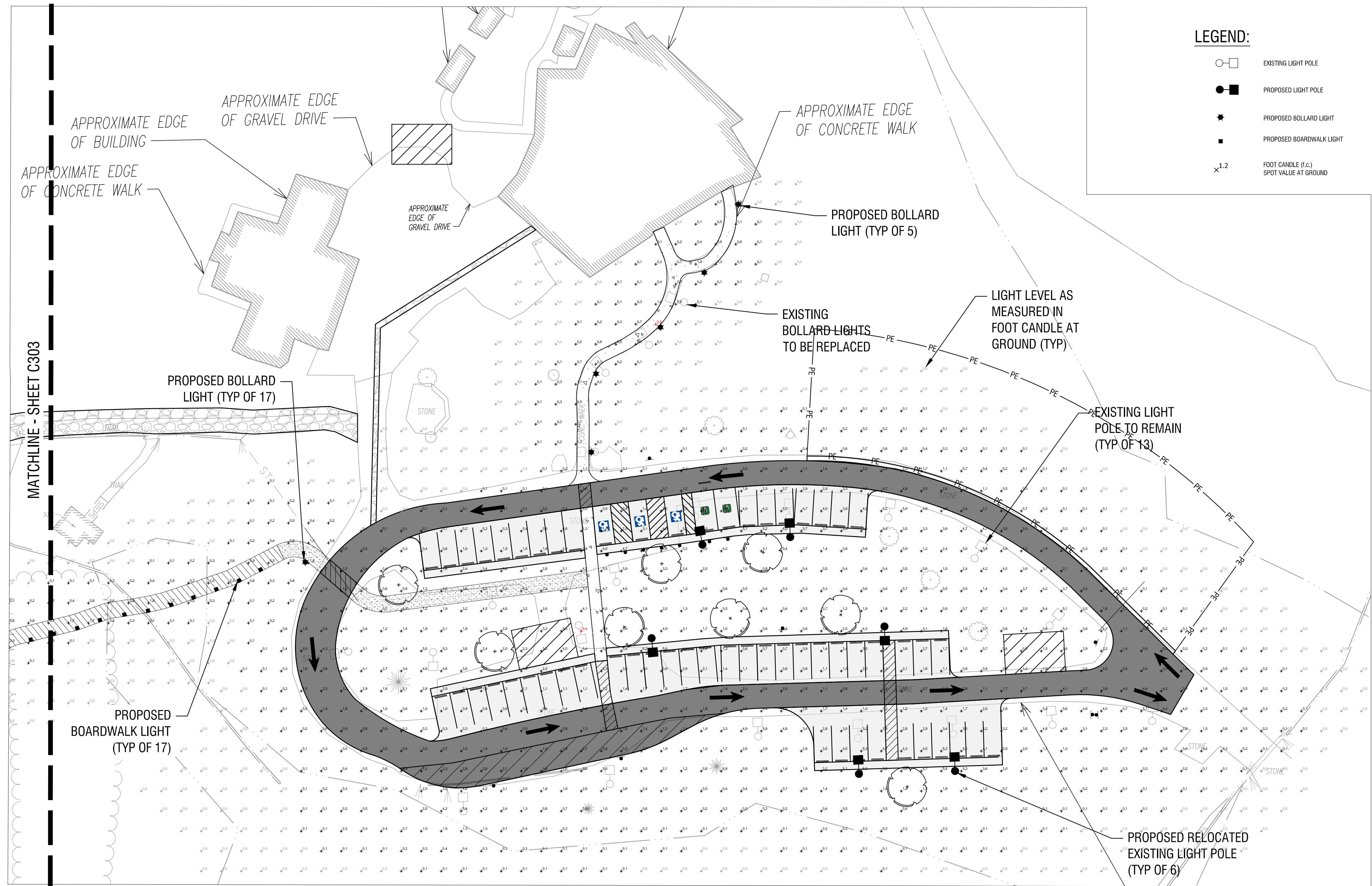
ISSUED FOR: SITE PLAN REVIEW

DATE: 12/16/2024

DRAWING NAME: \_\_\_\_\_

## LIGHTING PLAN

DRAWING NUMBER: \_\_\_\_\_



## LIGHTING SCHEDULE

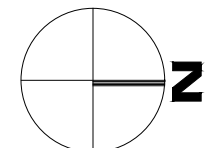
QTY	DESIGNATION	MANUFACTURER	MODEL: CATALOG NUMBER	MOUNTING HEIGHT	LIGHTING TYPE	WATTS	LUMENS PER LAMP (OUTPUT)	REMARKS
13	EX-LP	UNKNOWN	LED060P TS-3T-4K	16'	LED	65W	-	EXISTING LIGHT POLE
6	LP	UNKNOWN	LED060P TS-3T-4K	16'	LED	65W	-	RELOCATED EXISTING LIGHT & POLE
22	B	STRUCTURA, INC.	LBL-S-36-L27-S0-2-C-P1/P2-UNV-NA-STD	3'	LED	11W	721	36" LINEAL ILLUMINATED ALUMINUM & WOOD BOLLARD
17	W	BEGA	B33514	3'	LED	3W	206	SURFACE MOUNT LUMINAIRE - DIRECTED LIGHT

## LIGHTING STATISTICS

DESCRIPTION-CALCULATION AREA	AVERAGE	MAXIMUM	MINIMUM	AVE/MAX RATIO
WALKWAY	0.2 FC	2.6 FC	0.0 FC	0.1:1
PARKING LOT	1.2 FC	6.4 FC	0.0 FC	0.2:1
TRAIL / BOARDWALK	0.2 FC	2.5 FC	0.0 FC	0.1:1

## TANGLEWOOD PHOTOMETRIC PLAN

SCALE: 1" = 30'



LIGHTING NOTES:

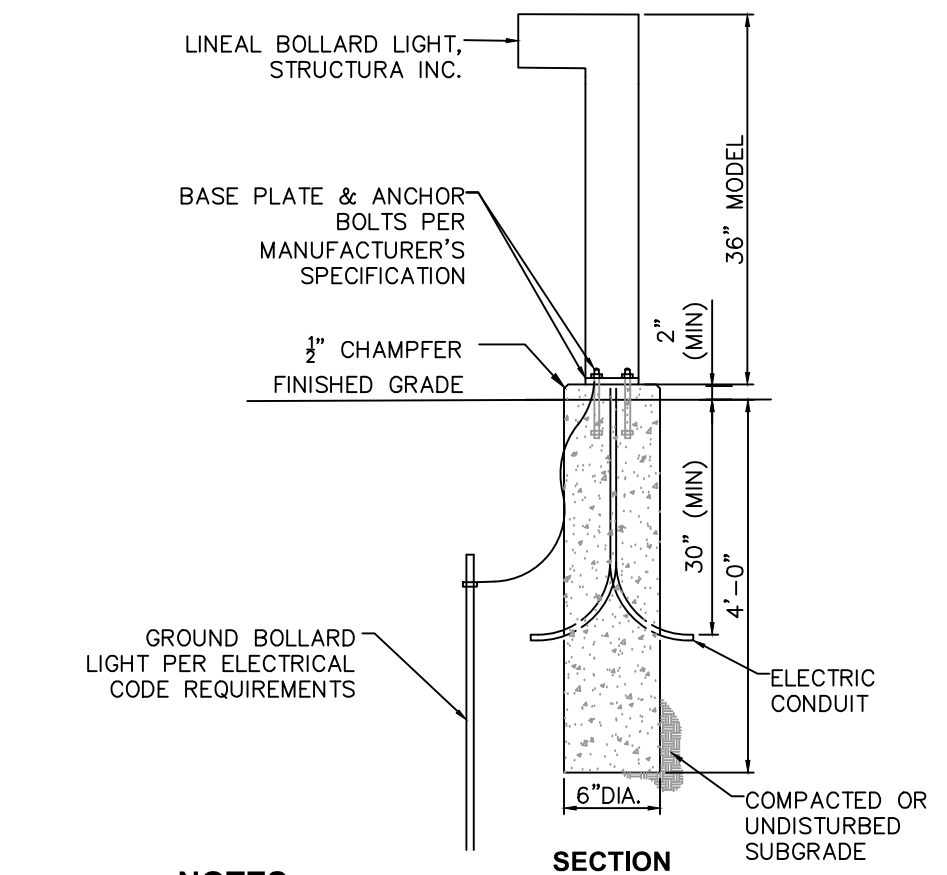
1. PROPOSED BOLLARD LIGHTS AS MANUFACTURED BY STRUCTURA, INC., BOARDWALK LIGHTS ARE MANUFACTURED BY BEGA NORTH AMERICA, INC.,
2. GRID NUMBERS SHOWN ON THE PLAN REPRESENT THE LIGHT PHOTOGRAPHIC DISPLAY EXPRESSED IN FOOT-CANDLES (FC) AT GROUND PLANE.
3. MOUNTING HEIGHT IS MEASURED FROM THE GROUND TO THE SOURCE OF THE LIGHT IN THE FIXTURE.
4. EXISTING AND LOCATED EXISTING PARKING LOT LIGHTS (LIGHT POLES) ARE INCLUDED IN THE PHOTOGRAPHIC ANALYSIS BASED ON LIMITED TECHNICAL DATA AVAILABLE FOR THE FIXTURES. EXISTING PARKING LOT LIGHTS AND STREET BUILDING MOUNTED LIGHTS WERE RETROFITTED IN 2023 WITH LED FIXTURES). THE LIGHT LEVELS SHOWN BELOW, FOR EXISTING LIGHTING SHOULD BE CONSIDERED APPROXIMATELY ONLY.
5. EXISTING BOLLARD LIGHTS AND BUILDING-MOUNTED EXTERIOR LIGHTING HAVE NOT BEEN INCLUDED IN THIS PHOTOGRAPHIC ANALYSIS. PROPOSED LIGHTING ON SITE IS FOR THE PARKING LOT AND TRAIL AREAS ONLY.
6. PROPOSED EXTERIOR LIGHTING SHOULD INCLUDE TIMERS, DIMMERS, SENSORS OR PHOTOCELL CONTROLLERS THAT TURN LIGHTS OFF DURING DAYLIGHT HOURS OR 8 HOURS WHEN LIGHTING IS NOT NEEDED, TO REDUCE OVERALL ENERGY CONSUMPTION AND TO ELIMINATE UNNECESSARY LIGHTING.

**NOTES:**

1. BOLLARD LIGHT AND FIXTURE SHALL BE AS PER SPECIFICATIONS.
2. LIGHTING SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
3. CONDUITS AND GROUNDING SHALL BE AS REQUIRED BY THE ELECTRICAL DESIGN.
4. ALL CONCRETE SHALL BE 4,500 PSI @ 28 DAYS, WITH 4" (MAX) SPACING BETWEEN BARS.
5. FOUNDATION SIZE SHALL BE COORDINATED WITH ANCHOR BOLT LIMITS.
6. EXCAVATIONS SHALL BEAR ON UNDISTURBED NATURAL SOIL OR COMPACTED CRUSH STONE.
7. ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
8. EXPOSED AREAS OF CONCRETE AND ONE FOOT MIN BELOW FINISHED GRADE SHALL BE FORMED.

### **BOLLARD LIGHT DETAIL**

SCALE: NOT TO SCALE

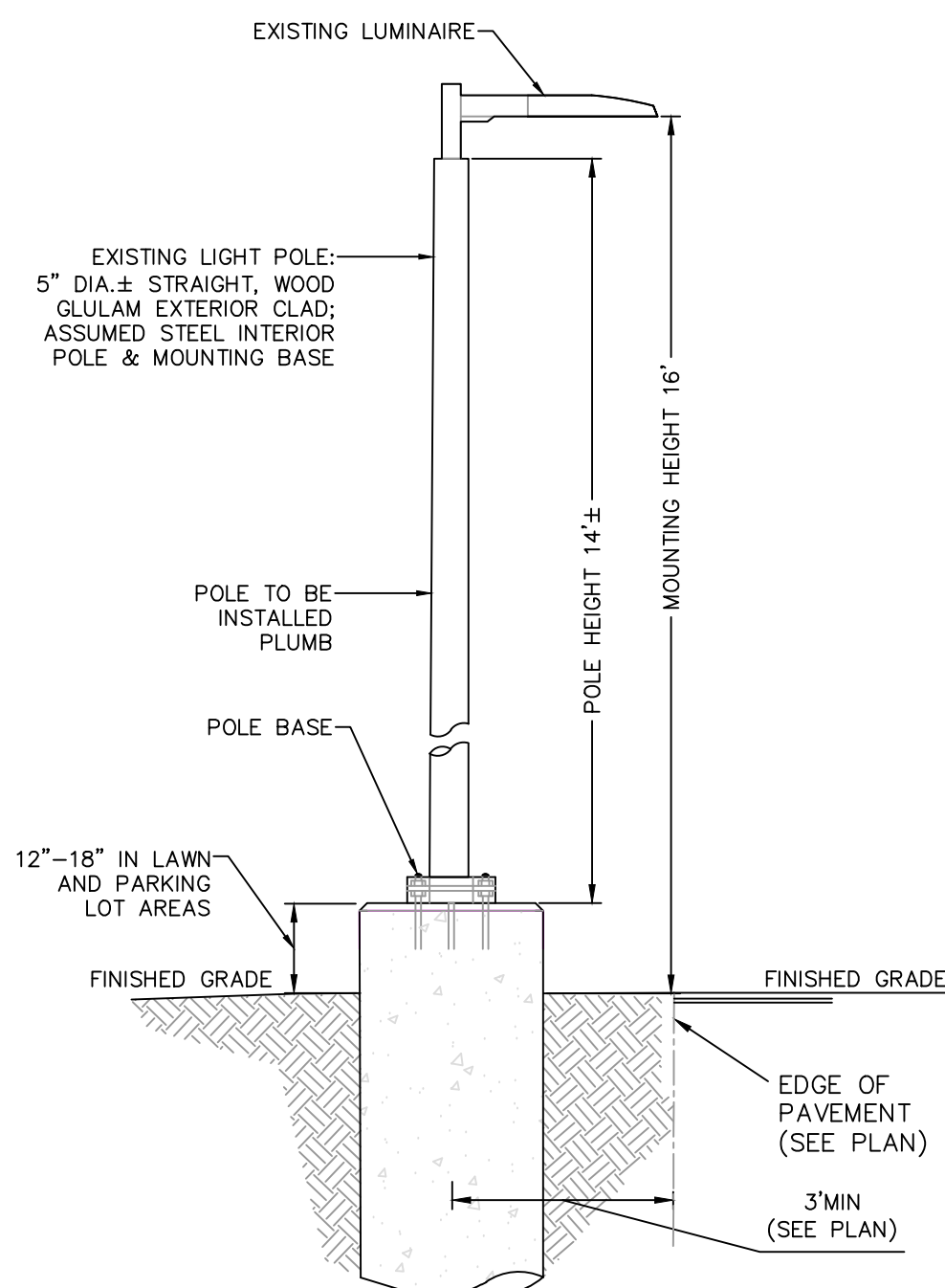


**NOTES:**

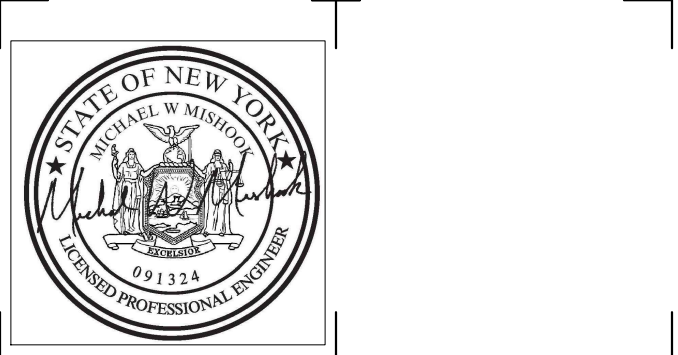
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
2. ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
3. ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.

### RELOCATED EXISTING LIGHT POLE

SCALE: NOT TO SCALE







CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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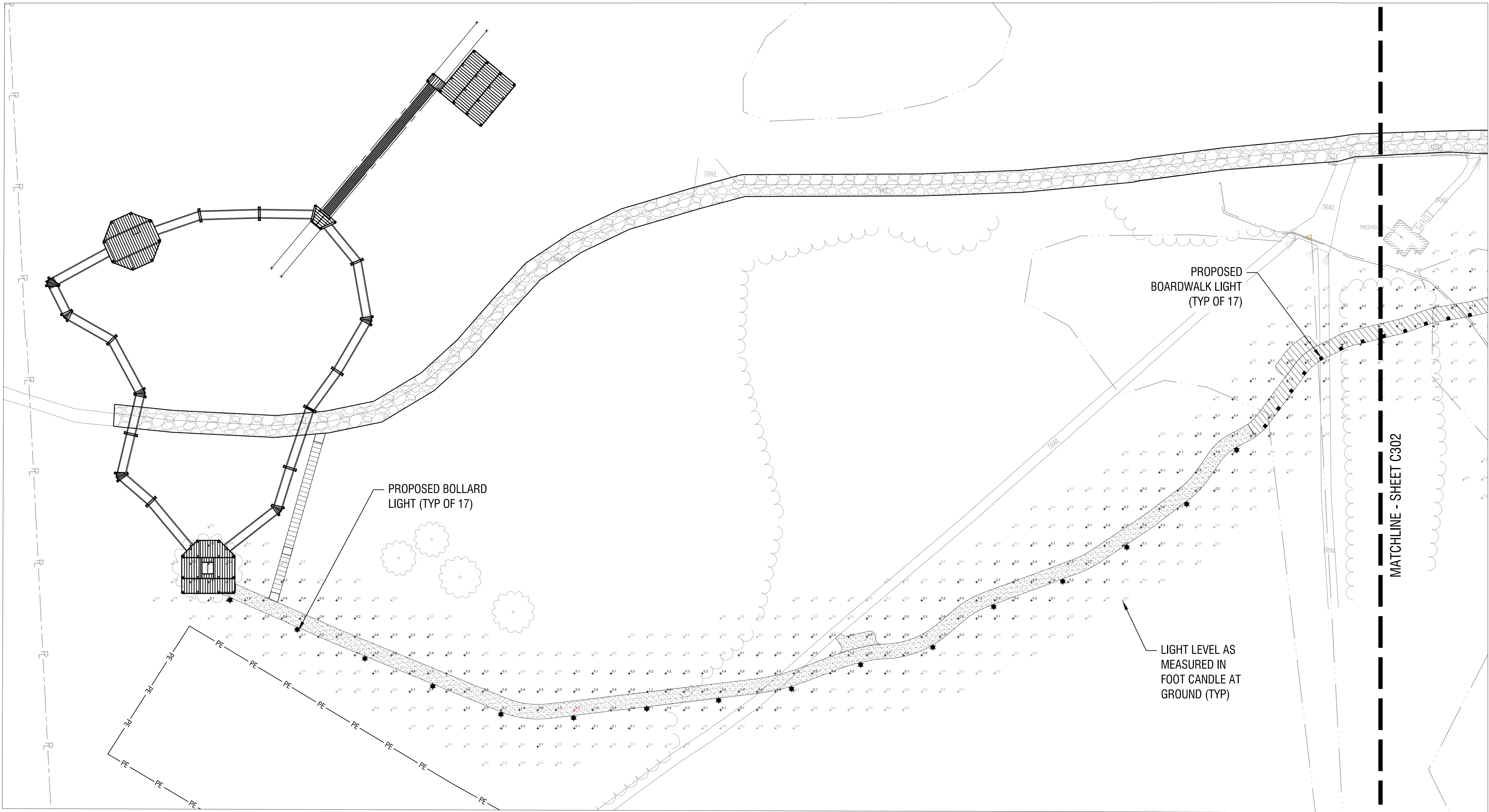
## LIGHTING PLAN

DRAWING NUMBER:

# C303

### LEGEND:

- EXISTING LIGHT POLE
- PROPOSED LIGHT POLE
- PROPOSED BOLLARD LIGHT
- PROPOSED BOARDWALK LIGHT
- FOOT CANDLE (f.c.)  
SPOT VALUE AT GROUND







## TANGLEWOOD NATURE CENTER

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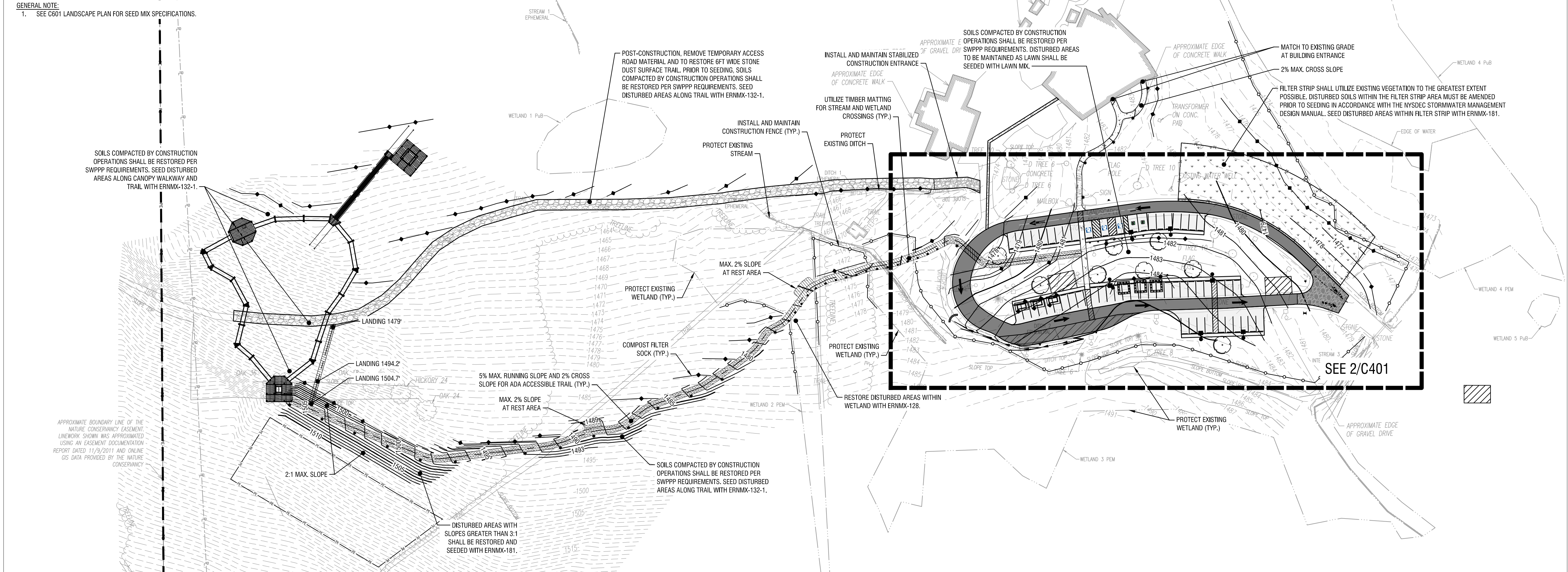
DRAWING NAME:

## GRADING AND EROSION CONTROL PLAN

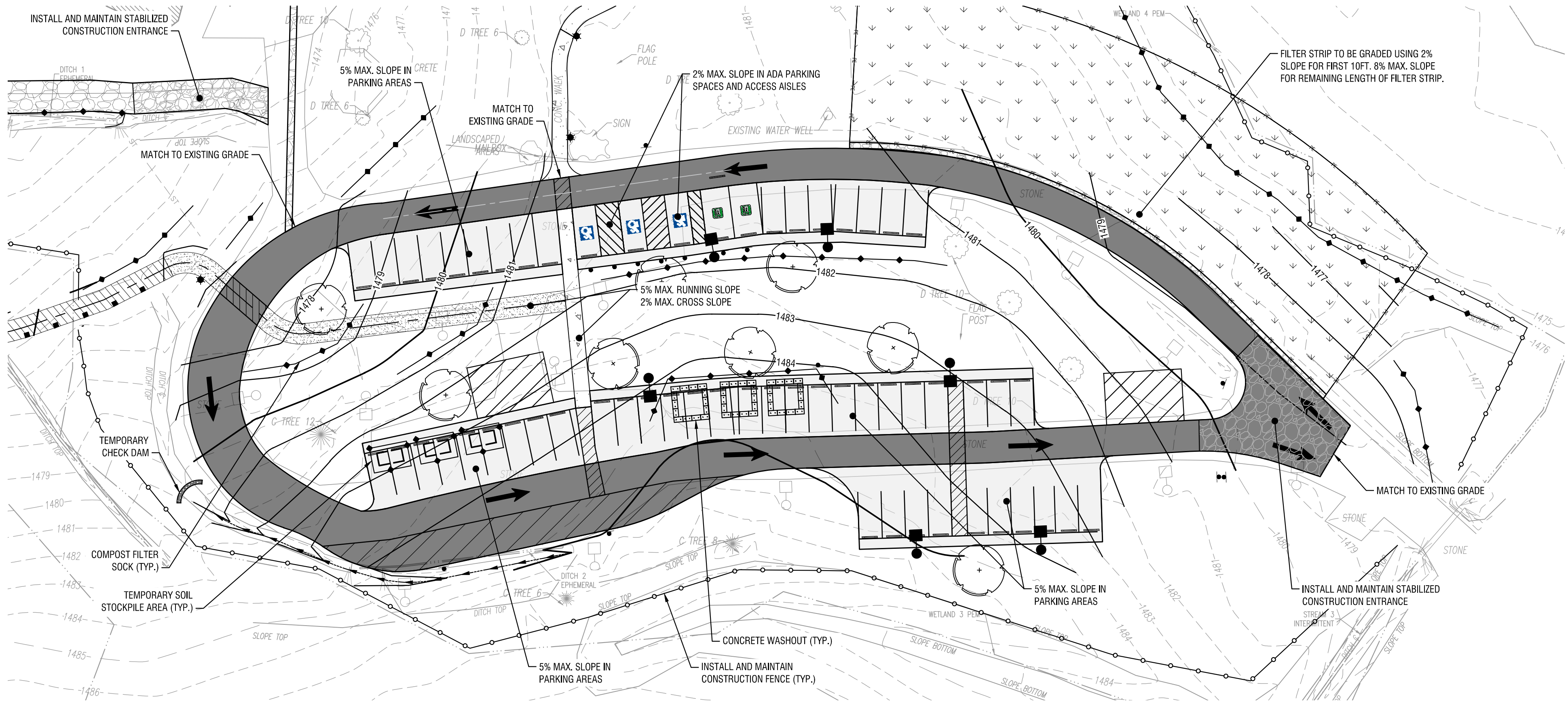
DRAWING NUMBER:

# C401

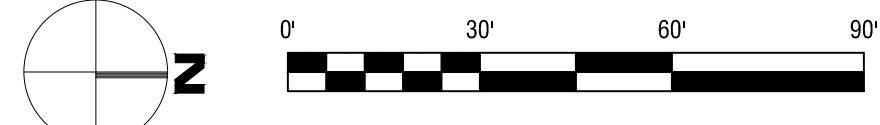
GENERAL NOTE:  
1. SEE C601 LANDSCAPE PLAN FOR SEED MIX SPECIFICATIONS.



1 GRADING AND EROSION CONTROL PLAN  
C401 SCALE: 1" = 60'

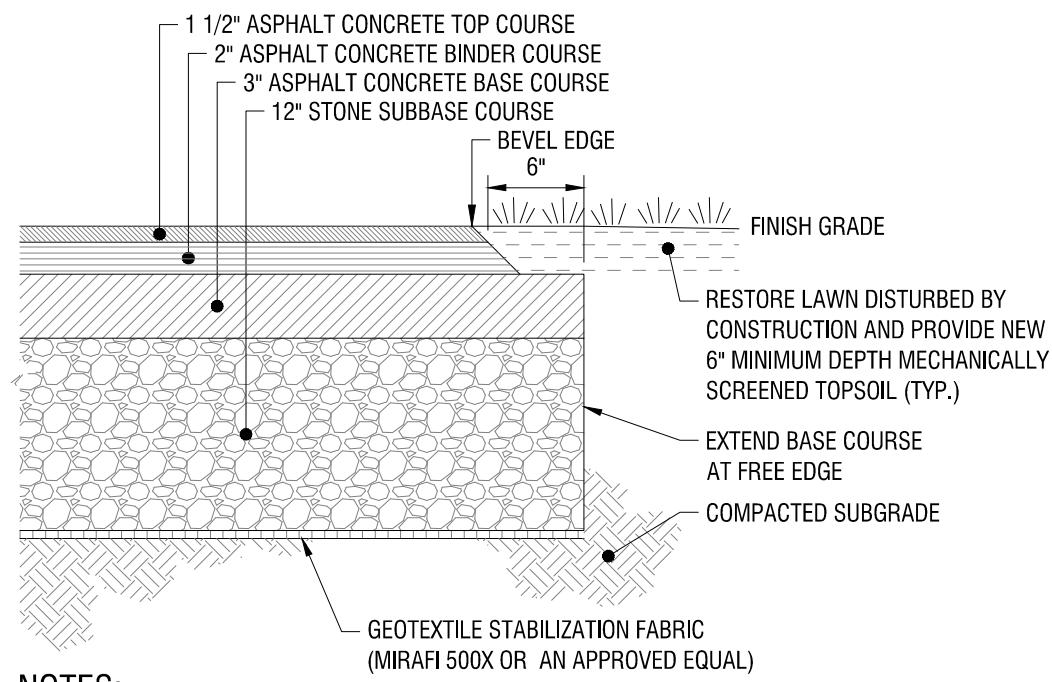


2 PARKING LOT GRADING AND EROSION CONTROL PLAN  
C401 SCALE: 1" = 30'





12/16/2024 4:44:01 PM  
B:\GLOBAL\Projects\Tanglewood Nature Center\2230305 - ADA Parking and Trail\06\_Drawings\Civil\500 CONSTRUCTION DETAILS.dwg

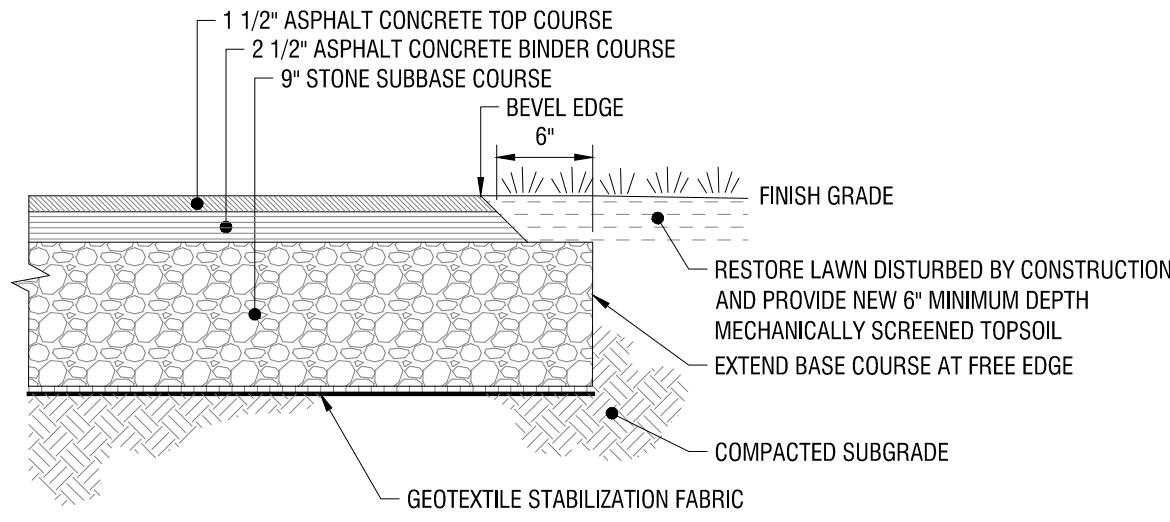


NOTES:

1. PROVIDE ADDITIONAL SUBBASE MATERIAL WHERE FILL IS REQUIRED TO OBTAIN PROPER SUBGRADE ELEVATION, OR TO REPLACE UNSUITABLE SUBGRADE MATERIAL.

HEAVY DUTY ASPHALT PAVEMENT

1  
C-501  
N.T.S.

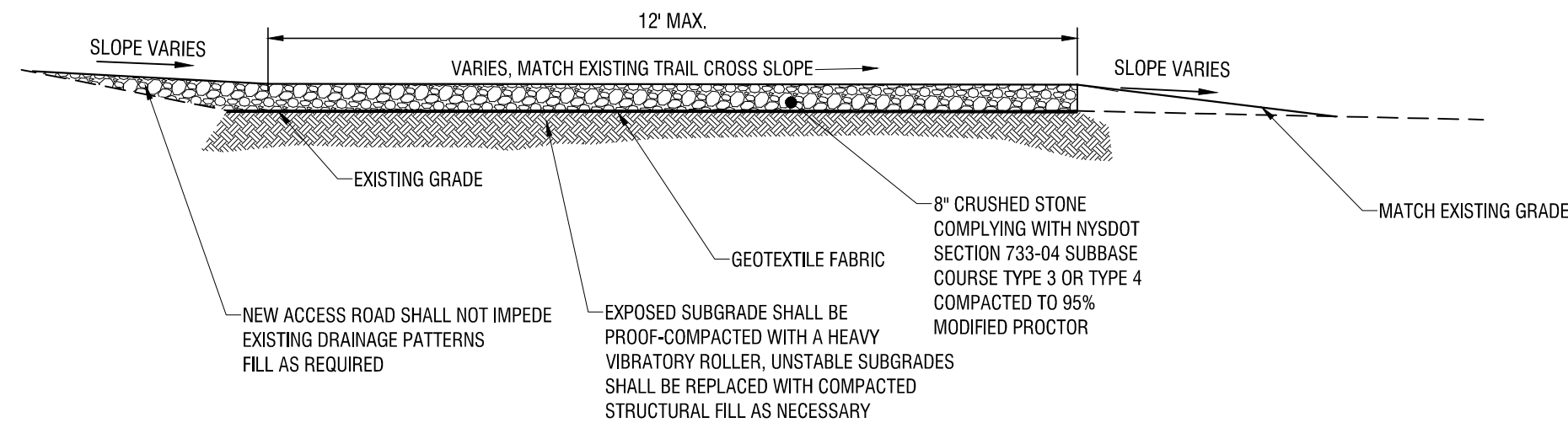


NOTES:

1. PROVIDE ADDITIONAL SUBBASE MATERIAL WHERE FILL IS REQUIRED TO OBTAIN PROPER SUBGRADE ELEVATION, OR TO REPLACE UNSUITABLE SUBGRADE MATERIAL.

STANDARD DUTY ASPHALT PAVEMENT SECTION

2  
C-501  
N.T.S.

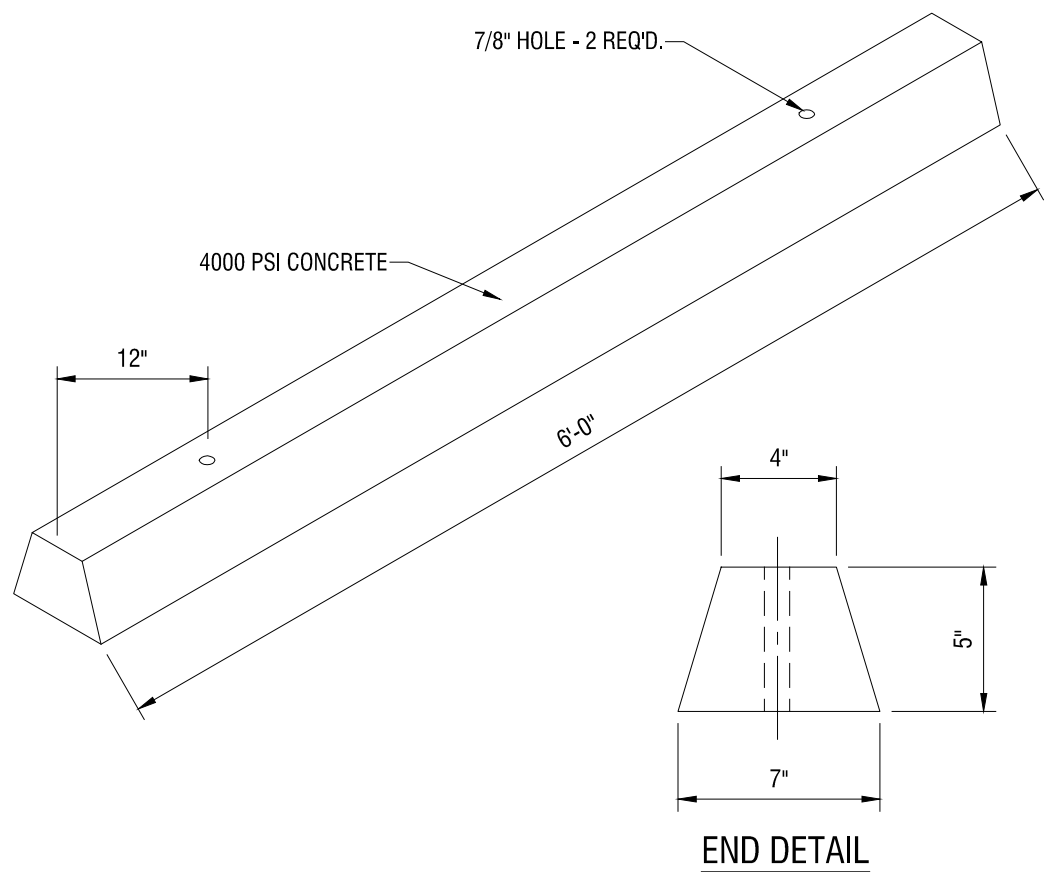


NOTE:

1. TEMPORARY CONSTRUCTION ACCESS ROAD WILL UTILIZE AN EXISTING 6-8FT WIDE TRAIL.
2. PROTECT EXISTING VEGETATION TO THE GREATEST EXTENT PRACTICAL. COORDINATE VEGETATION REMOVAL WITH OWNER.
3. TEMPORARY CONSTRUCTION ACCESS ROAD WILL BE REMOVED AFTER CONSTRUCTION IS COMPLETE.
4. RESTORE TRAIL AS A 6FT WIDE STONE DUST SURFACE.
5. AREA TO BE RESTORED WITH VEGETATED COVER SHALL BE RESTORED PER THE SWPPP REQUIREMENTS. SOIL RESTORATION TO INCLUDE DEEP-RIPPING AND DECOMPACTION PER THE NYSDEC'S DOCUMENT "DEEP-RIPPING AND DECOMPACTION" DATED APRIL 2008 AND TABLE 5.3 OF THE NYS STORMWATER DESIGN MANUAL.

TEMPORARY CONSTRUCTION ACCESS ROAD DETAIL

3  
C-501  
N.T.S.

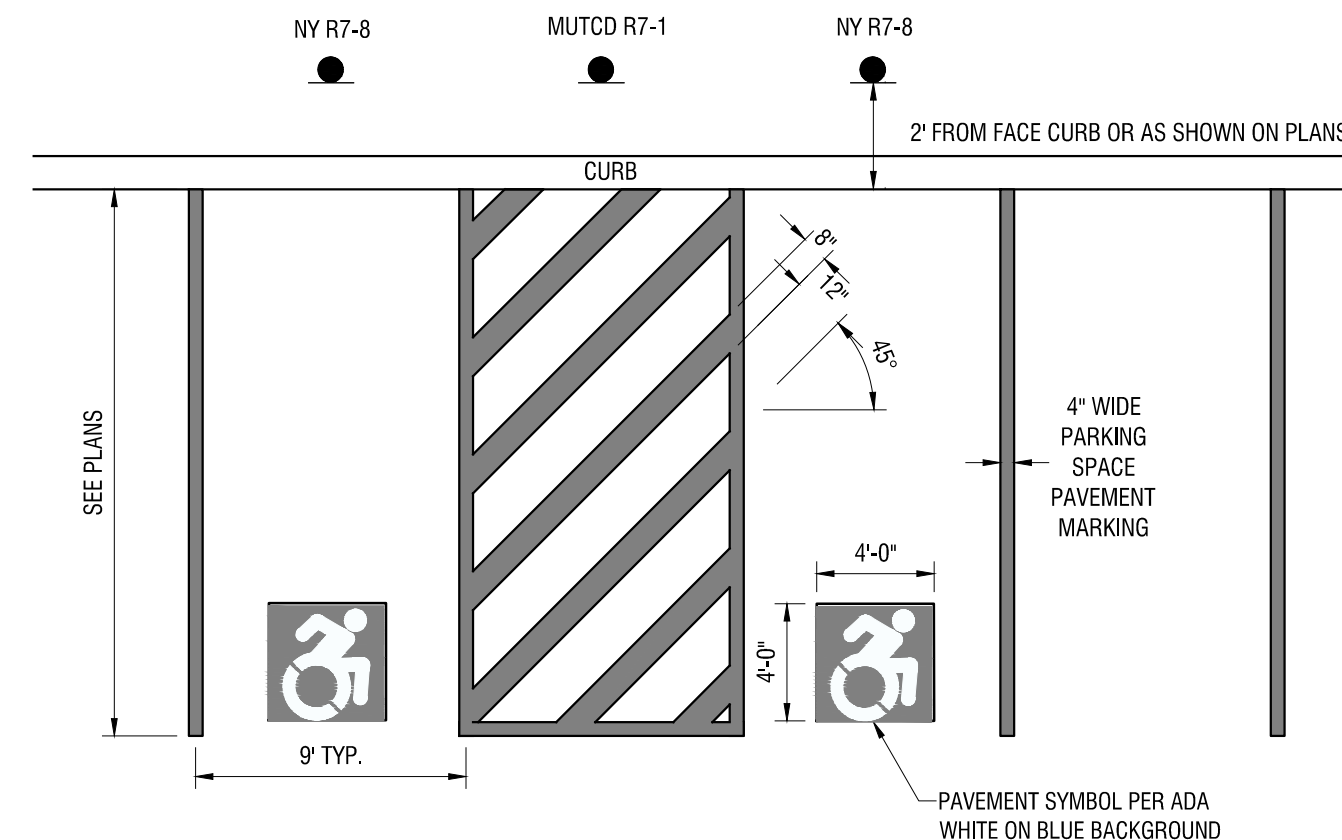


NOTES:

1. WHEEL STOP TO BE PROVIDED BY KRISTNER CONCRETE OR APPROVED EQUAL.

WHEEL STOP

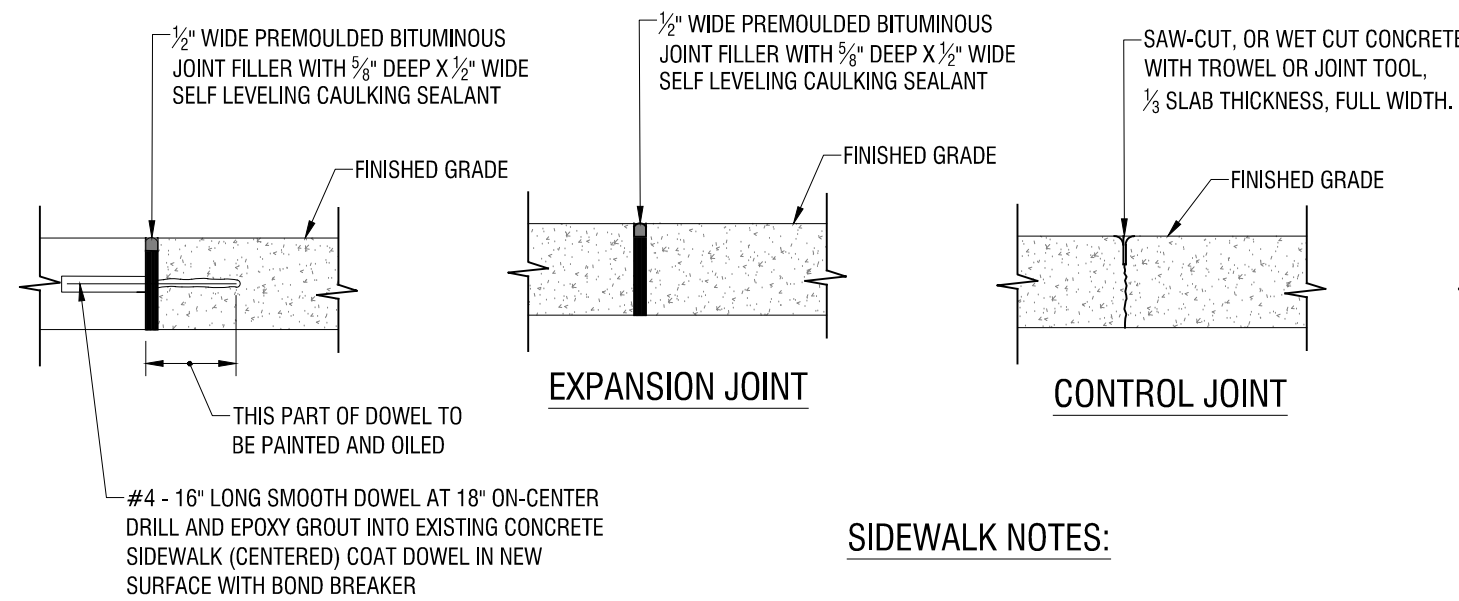
4  
C-501  
N.T.S.



NOTE: ALL PARKING STRIPING TO BE YELLOW

ADA PARKING SPACE STRIPING

5  
C-501  
N.T.S.

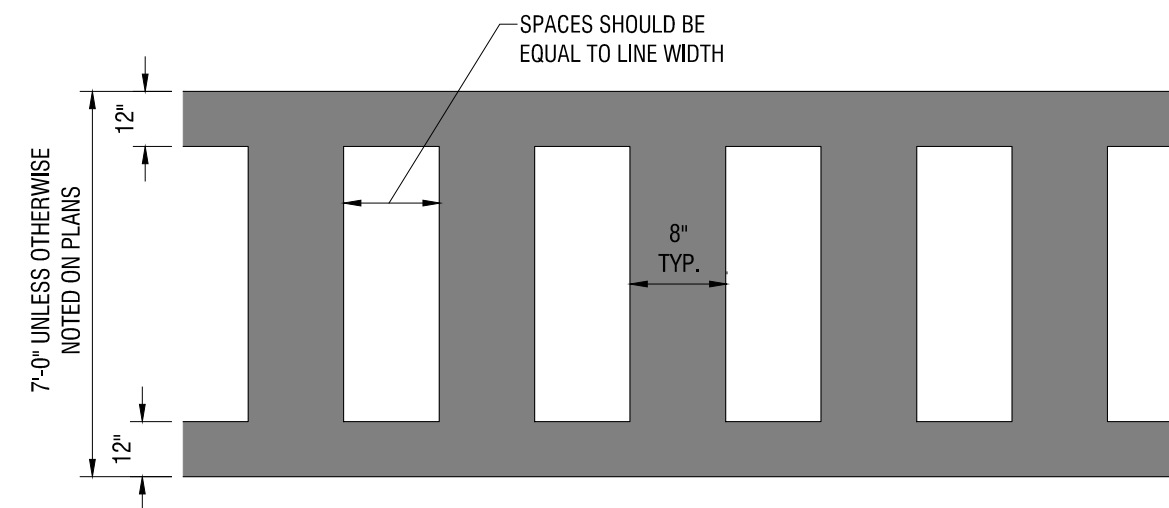


SIDEWALK NOTES:

1. CONCRETE SHALL BE 4,000 PSI AIR ENTRAINED MIX AT 28 DAYS
2. COMPACTED SUBBASE MATERIAL SHALL COMPLY WITH NYSDOT ITEM 304.14, TYPE 4
3. CONCRETE SURFACE SHALL RECEIVE A BROOM FINISH AND TWO COATS OF A MEMBRANE FORMING SEALER AT RATES SPECIFIED BY THE PRODUCT MANUFACTURER.
4. EXPANSION JOINTS SHALL BE PROVIDED AT ALL FITTED STRUCTURES
5. CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ACI 309-R92. THESE JOINTS SHALL BE COMPLETED WITHIN 24 HOURS OF CONCRETE PLACEMENT. SCORED JOINTS SHALL BE 1/2-INCH WIDTH MINIMUM AND 1/2 OF THE THICKNESS OF THE CONCRETE
6. SIDEWALK ADJACENT TO THE CURB SHALL HAVE A 2.00% CROSS-SLOPE TO THE CURB. OTHER AREA AS INDICATED ON THE GRADING PLAN.
7. FIBER REINFORCEMENT (FRC FIB-300 OR APPROVED EQUAL) IS AN ACCEPTABLE ALTERNATIVE TO WELDED WIRE FABRIC.
8. ALL JOINTS AND EXPOSED EDGES SHALL BE ROUNDED WITH JOINT TOOL.

REINFORCED CONCRETE SIDEWALK

7  
C-501  
N.T.S.



NOTES:

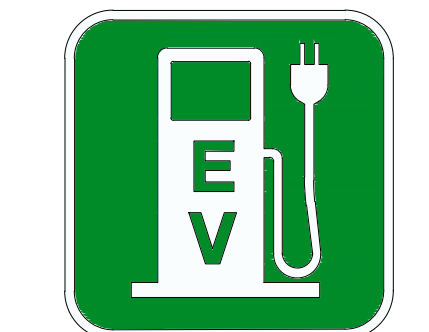
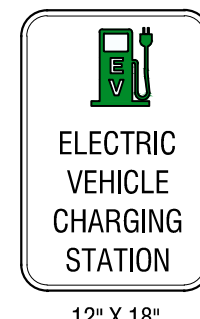
1. ALL STRIPING SHALL BE WHITE

CROSSWALK

8  
C-501  
N.T.S.



ACCESSIBLE SYMBOL  
COLOR WHITE ON BLUE BACKGROUND



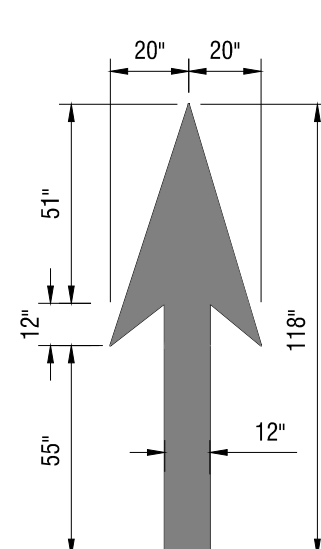
ELECTRIC CHARGING SYMBOL  
4'x4', COLOR WHITE ON GREEN BACKGROUND



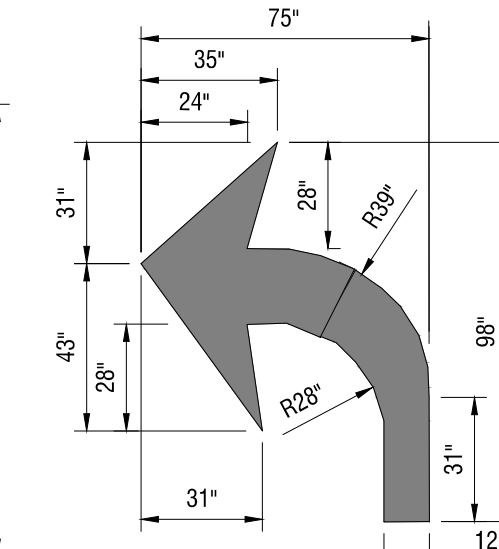
12" X 18" NO PARKING MUTCD R7-1  
FEDERAL DESIGNATION



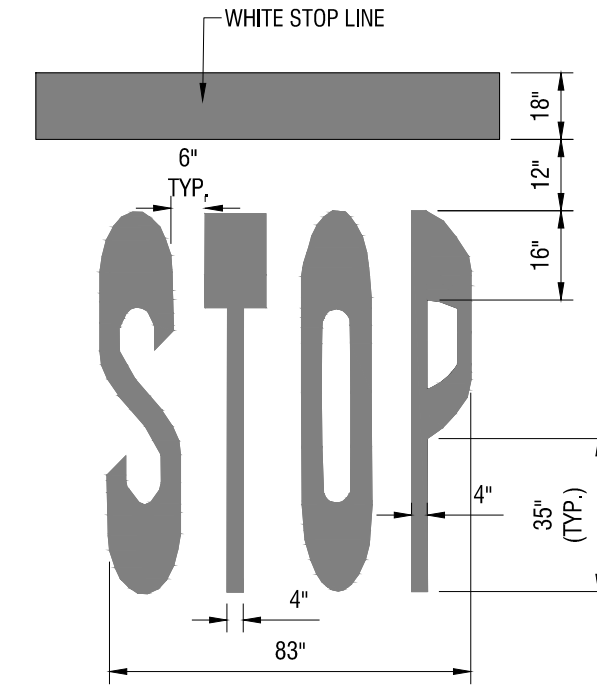
12" X 18" RESERVED NY R7-8  
FEDERAL DESIGNATION  
12" X 6" VAN ACCESSIBLE MUTCD R7-8a  
FEDERAL DESIGNATION



STRAIGHT ARROW  
COLOR WHITE



TURNING ARROW  
COLOR WHITE



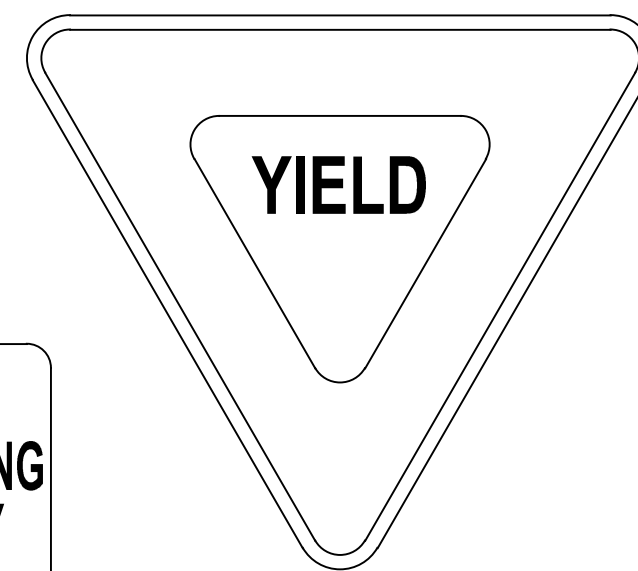
STOP BAR NOTES:  
UNLESS OTHERWISE SHOWN:  
LETTER 98" H x 16" W, 8" SPACING  
(USE EQUAL SPACING BETWEEN LETTERS  
AND CENTER ENTIRE SYMBOL IN LANE)  
ALL SYMBOLS SHALL BE WHITE



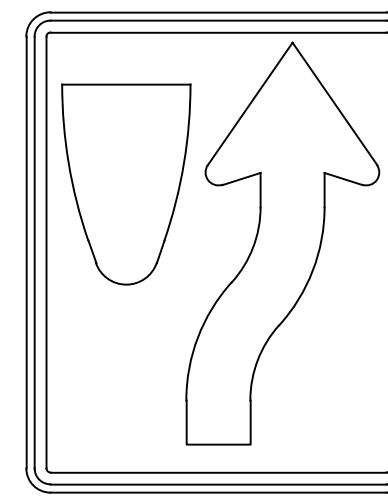
PAVEMENT LETTERING  
COLOR WHITE



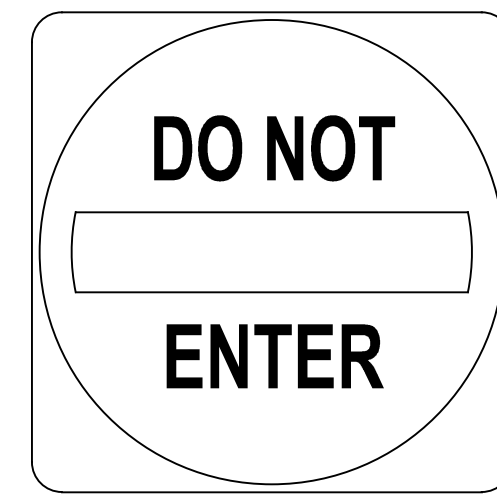
12" X 18" BUS PARKING ONLY



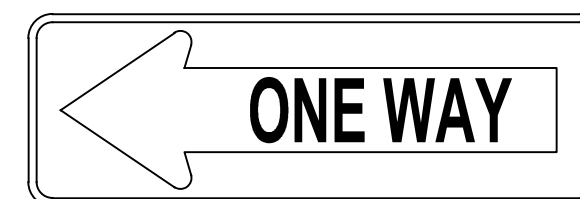
36" X 36" X 36" YIELD MUTCD R1-2  
FEDERAL DESIGNATION



24" X 30" KEEP RIGHT MUTCD R4-7  
FEDERAL DESIGNATION



30" X 30" DO NOT ENTER MUTCD RS-1  
FEDERAL DESIGNATION



36" X 12" ONE WAY LEFT MUTCD R6-1L  
FEDERAL DESIGNATION



36" X 12" ONE WAY RIGHT MUTCD R6-1R  
FEDERAL DESIGNATION

PAVEMENT MARKINGS AND SIGNAGE

9  
C-501  
N.T.S.

100 West Water Street, Suite 101  
Elmira, NY 14901  
607-734-8492

labellapp.com



EXP: 03/31/2027

EXP:

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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TANGLEWOOD NATURE  
CENTER

443 COLEMAN AVENUE  
ELMIRA, NY 14903  
TELEPHONE: (607) 732 - 6060  
TAX PARCEL NUMBER: 87.00-1-34.1

TANGLEWOOD ADA PARKING  
AND TRAIL

443 COLEMAN AVENUE  
ELMIRA, NY 14903

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2233035

DRAWN BY: JLE

REVIEWED BY: MWM

ISSUED FOR: SITE PLAN REVIEW

DATE: 12/16/2024

DRAWING NAME:

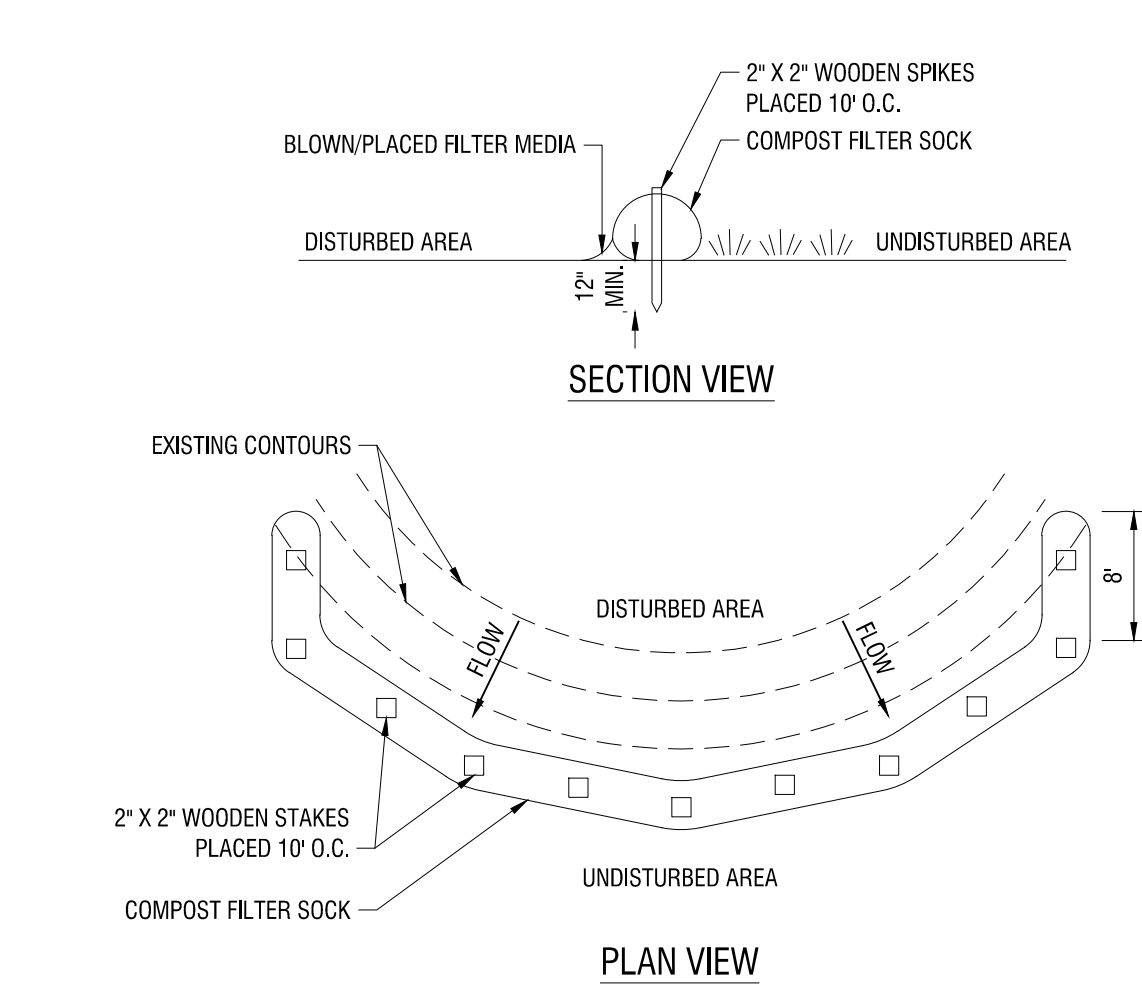
CONSTRUCTION DETAILS

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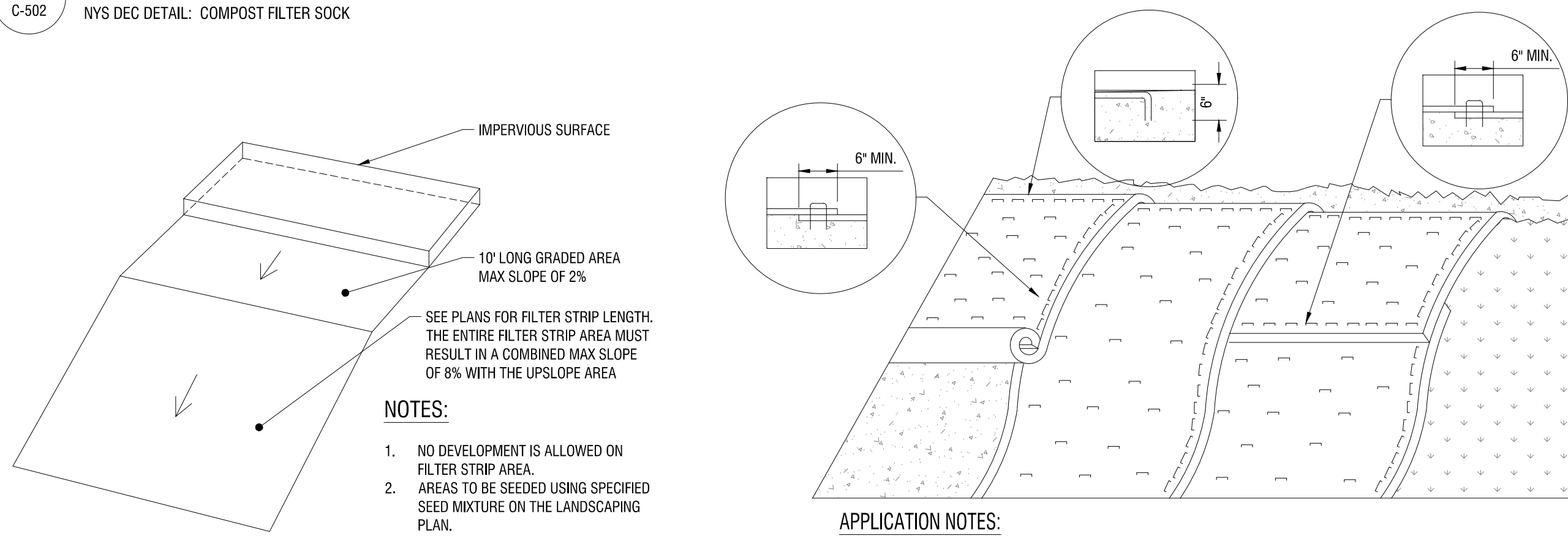
C501



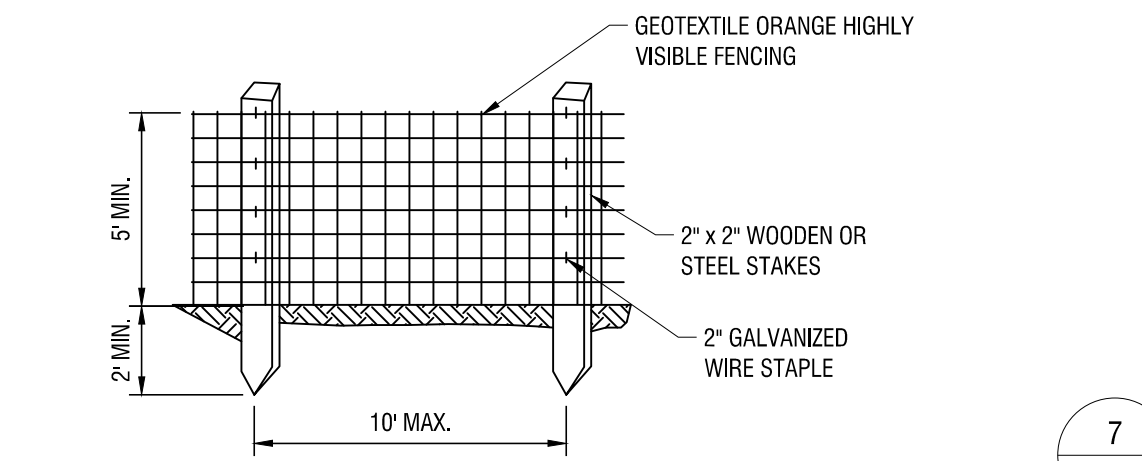
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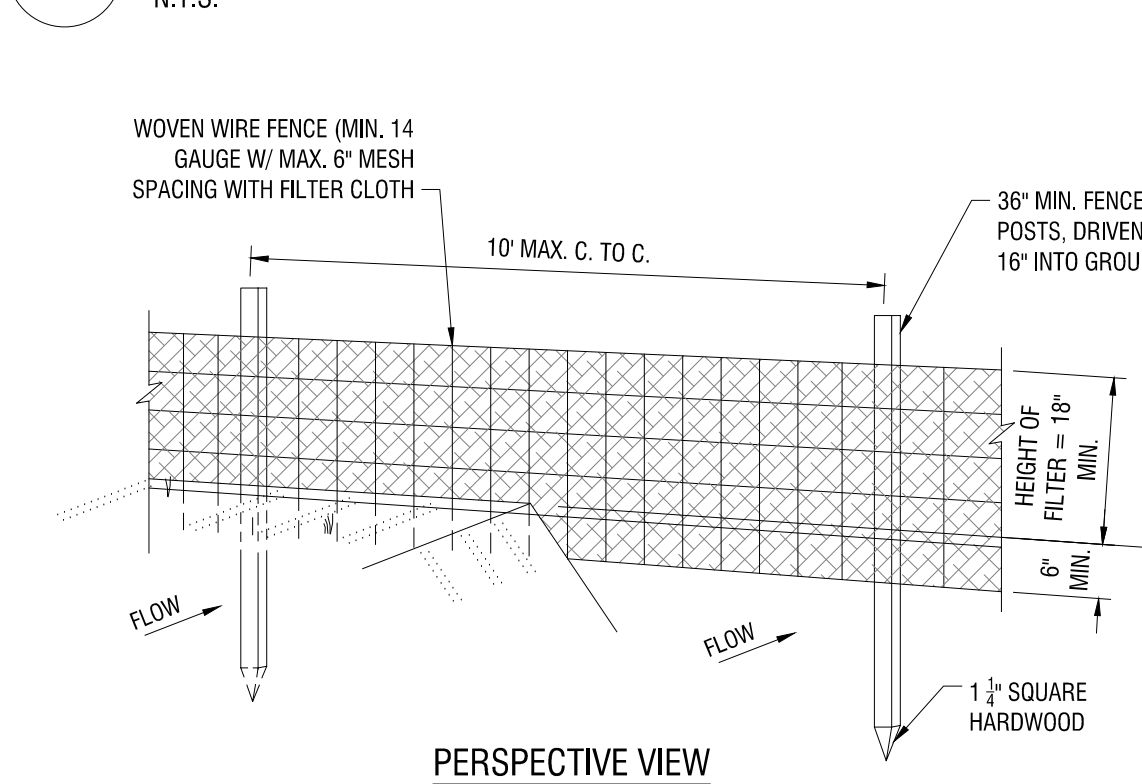
1  
C-502  
**COMPOST FILTER SOCK**  
NYS DEC DETAIL: COMPOST FILTER SOCK



5  
C-502  
**VEGETATIVE FILTER STRIP**  
N.T.S.

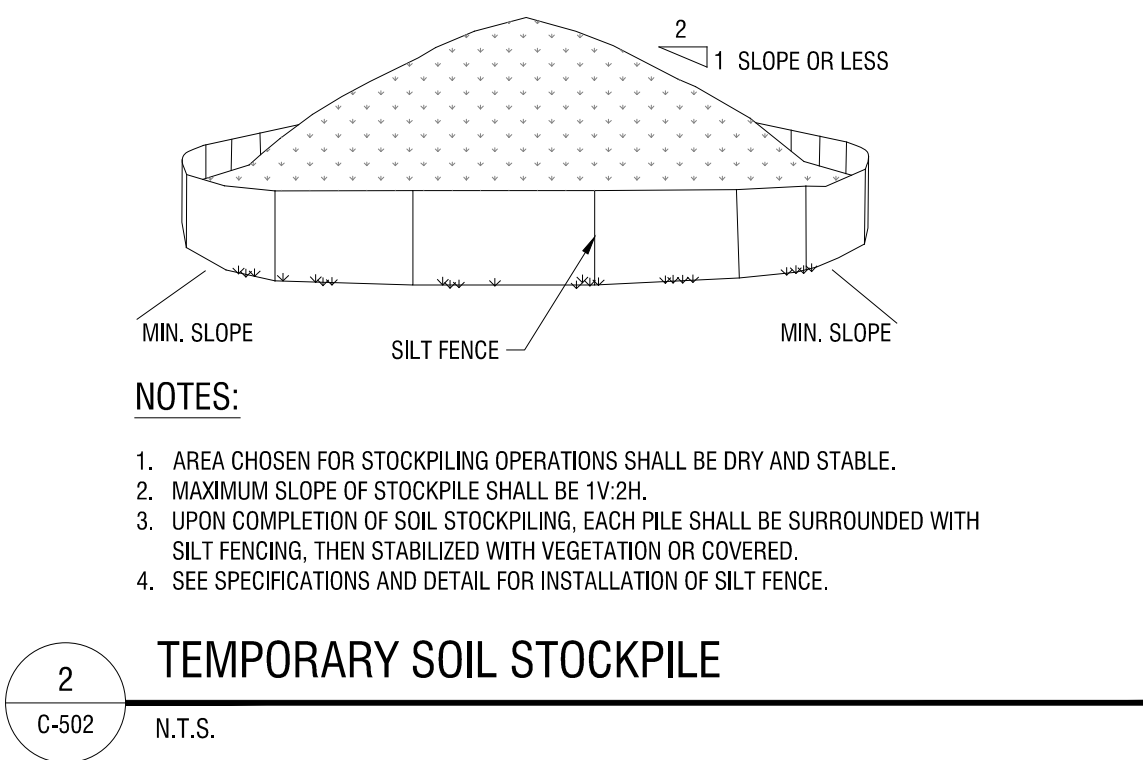


6  
C-502  
**ORANGE CONSTRUCTION FENCE**  
N.T.S.

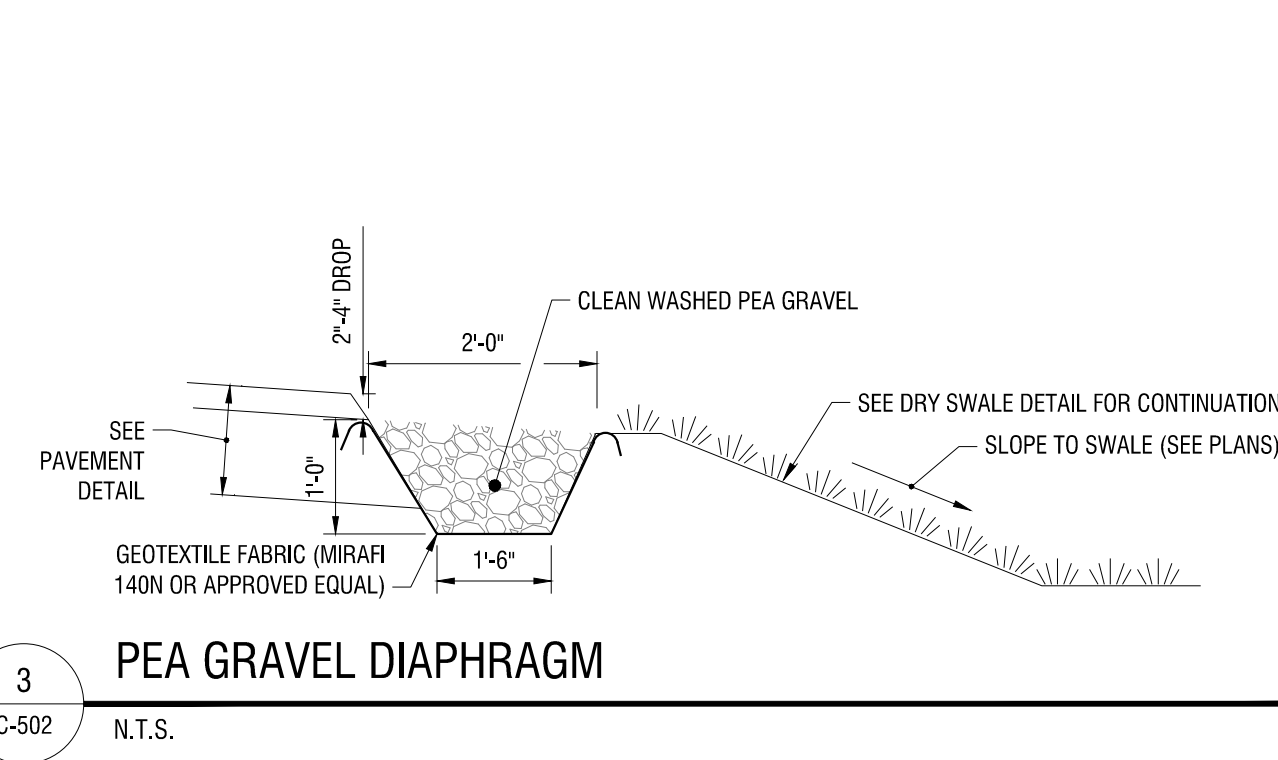


NOTES:  
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.  
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.  
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFIX 100X, STABILINKA 140N, OR APPROVED EQUAL.  
4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUAL.  
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

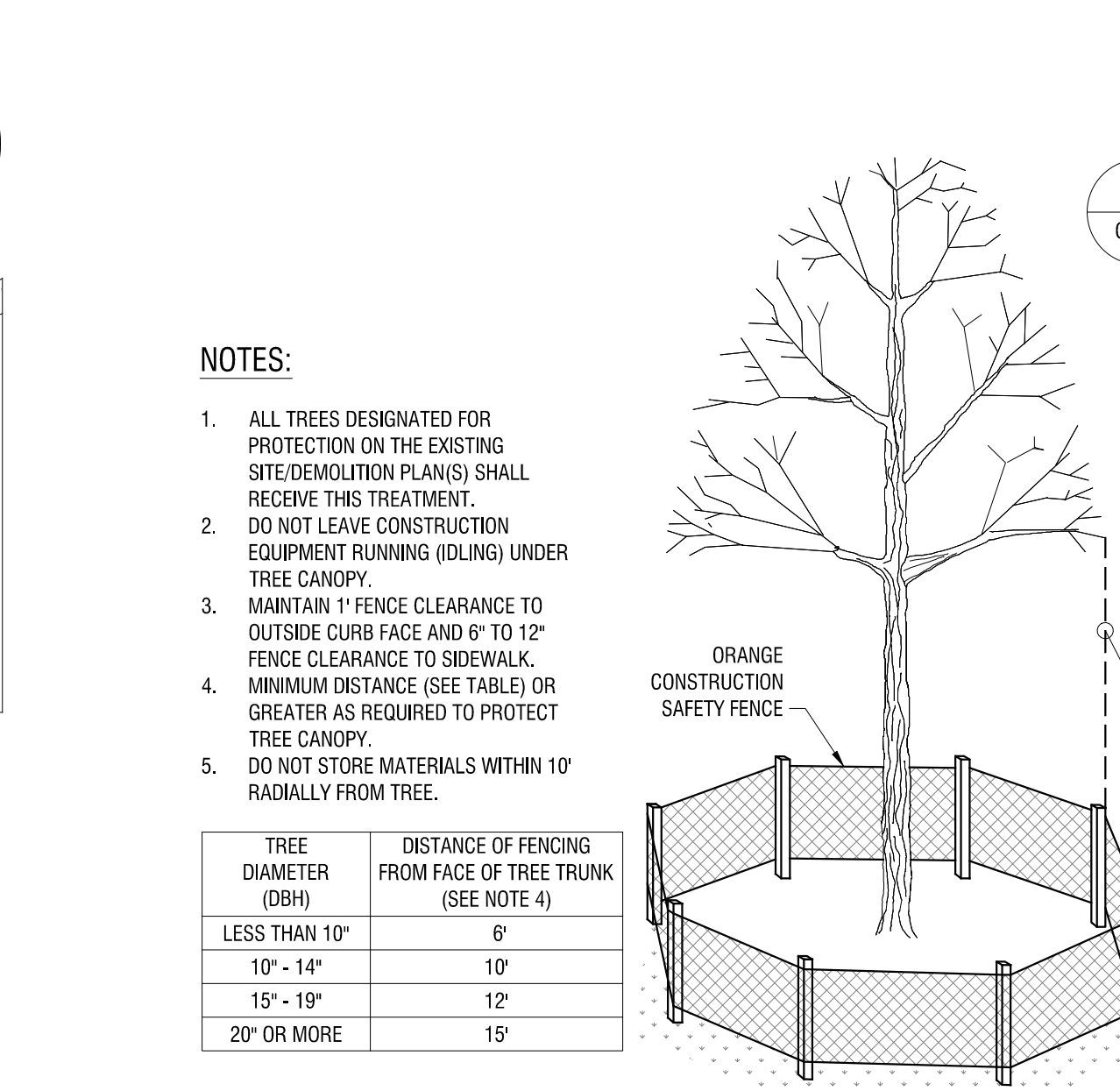
10  
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**SILT FENCE**  
NYS DEC DETAIL: SILT FENCE



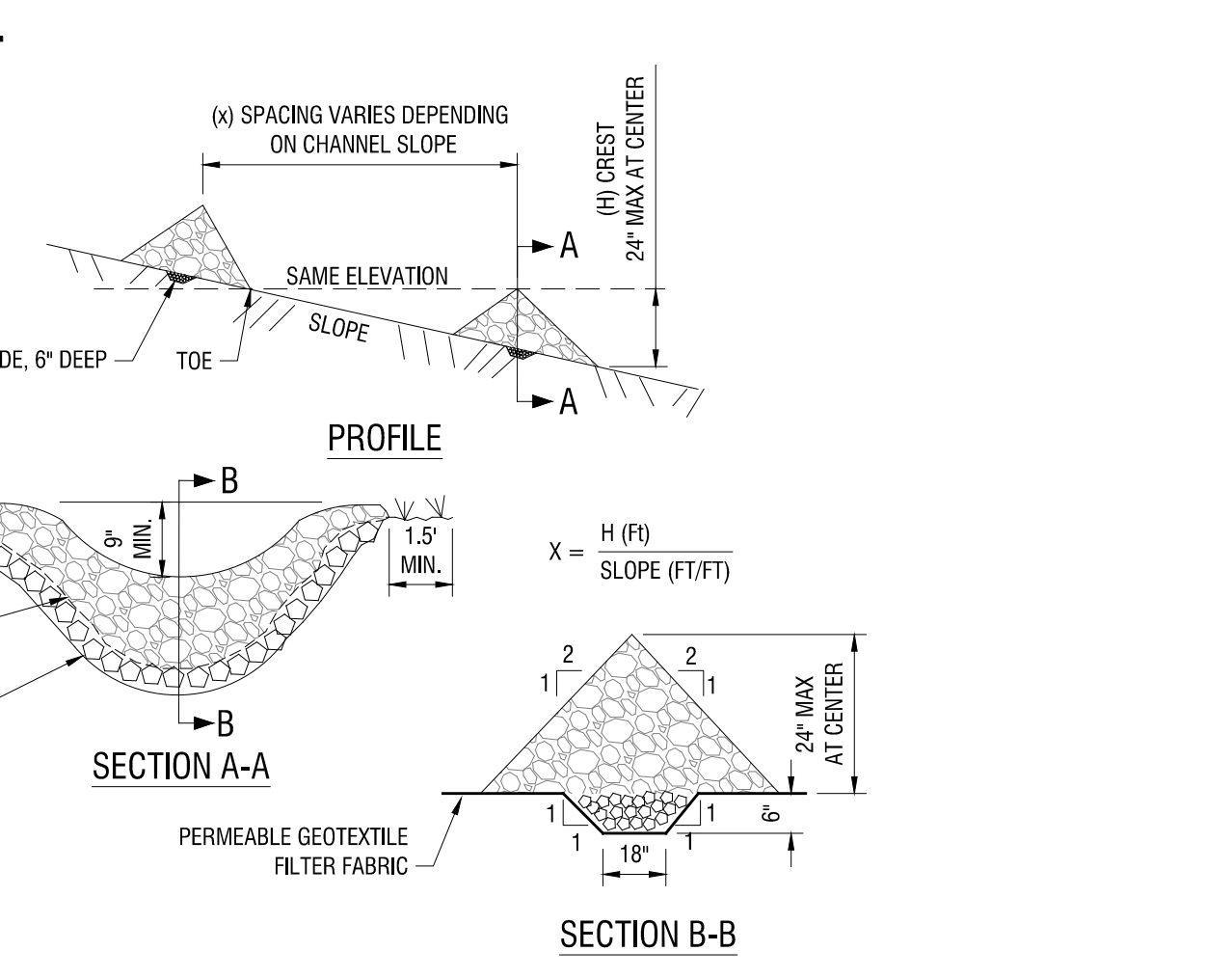
2  
C-502  
**TEMPORARY SOIL STOCKPILE**  
N.T.S.



3  
C-502  
**PEA GRAVEL DIAPHRAGM**  
N.T.S.

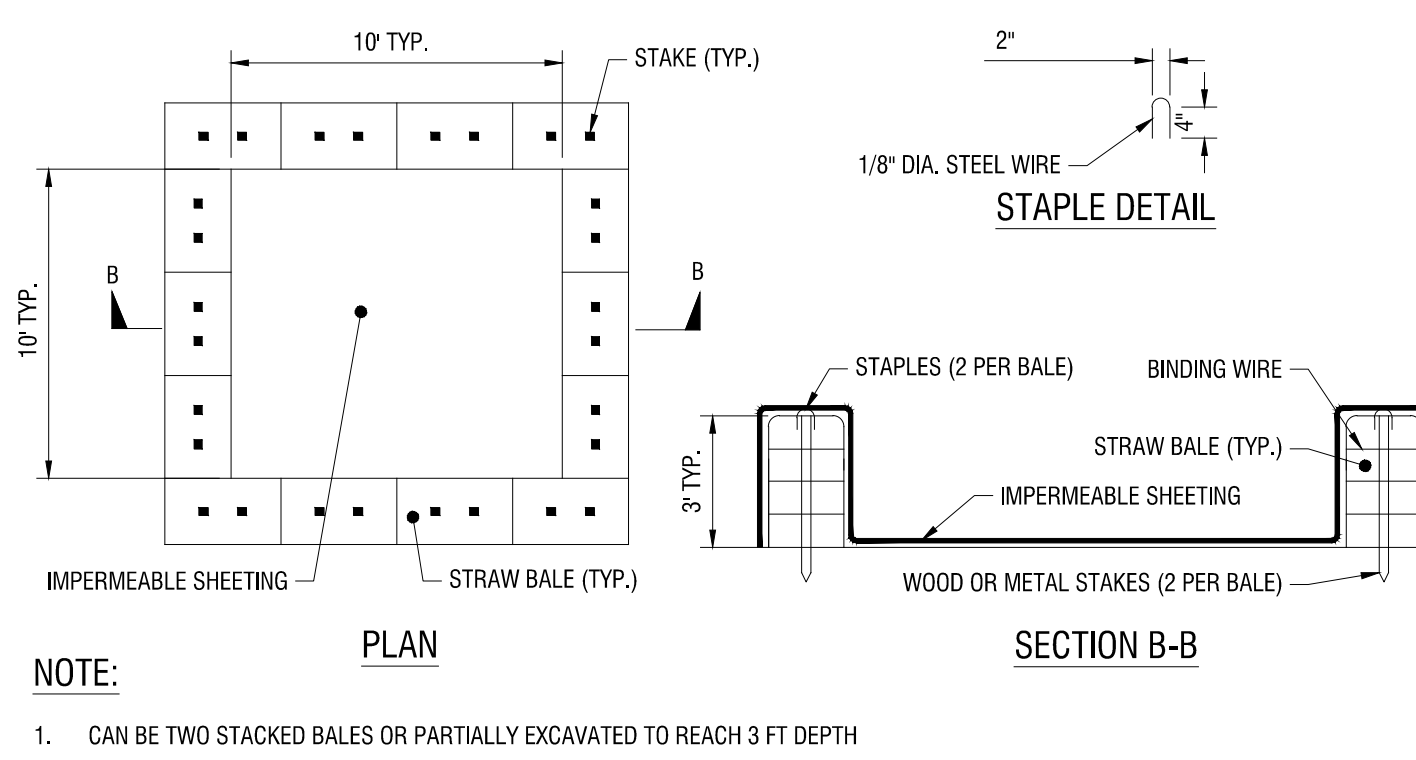


8  
C-502  
**TREE PROTECTION**  
N.T.S.



NOTES:  
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.  
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.  
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT OUTFLOW AROUND THE DAM.  
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.  
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

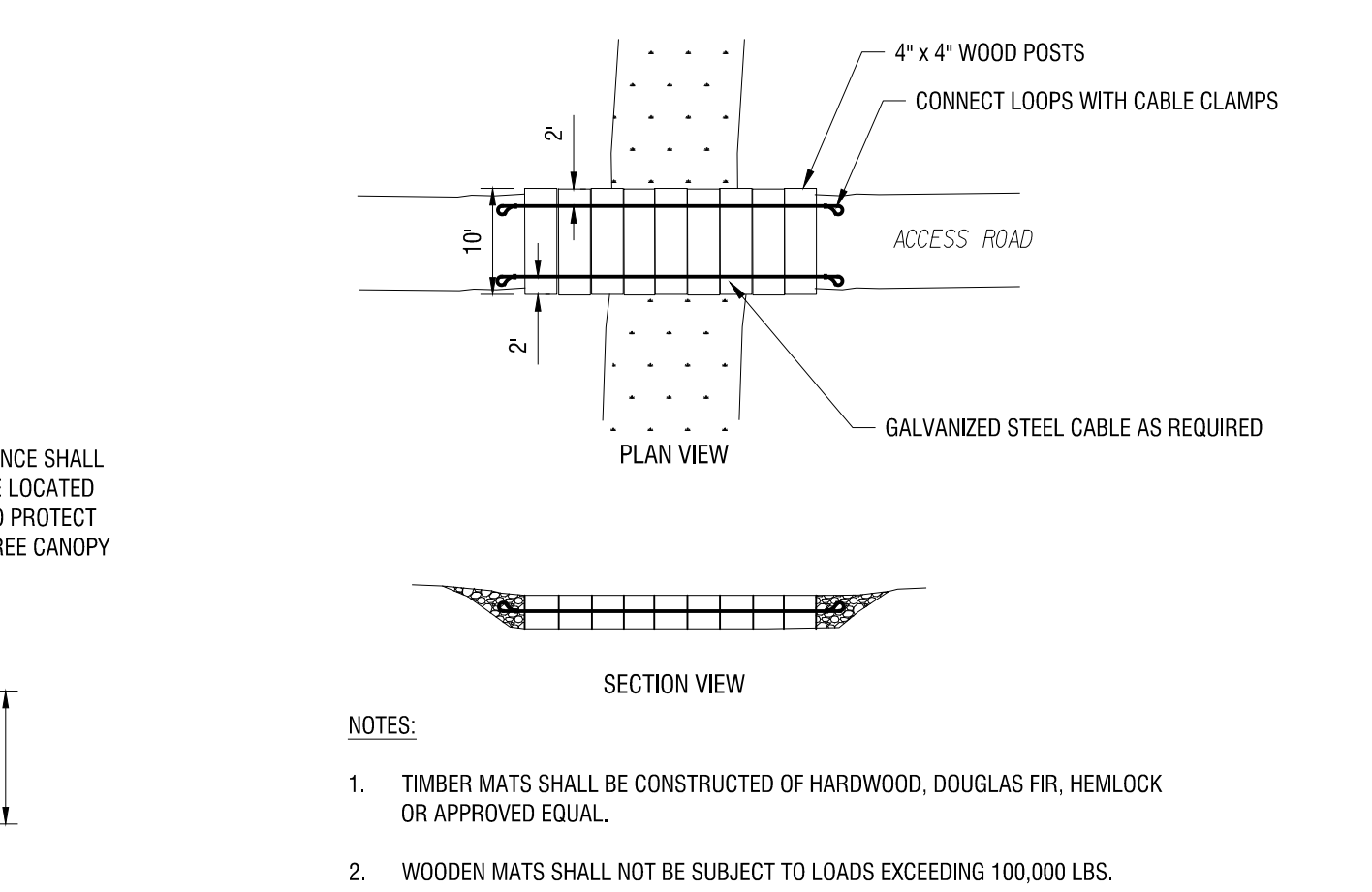
11  
C-502  
**STONE CHECK DAM**  
NYS DEC DETAIL: STONE CHECK DAM



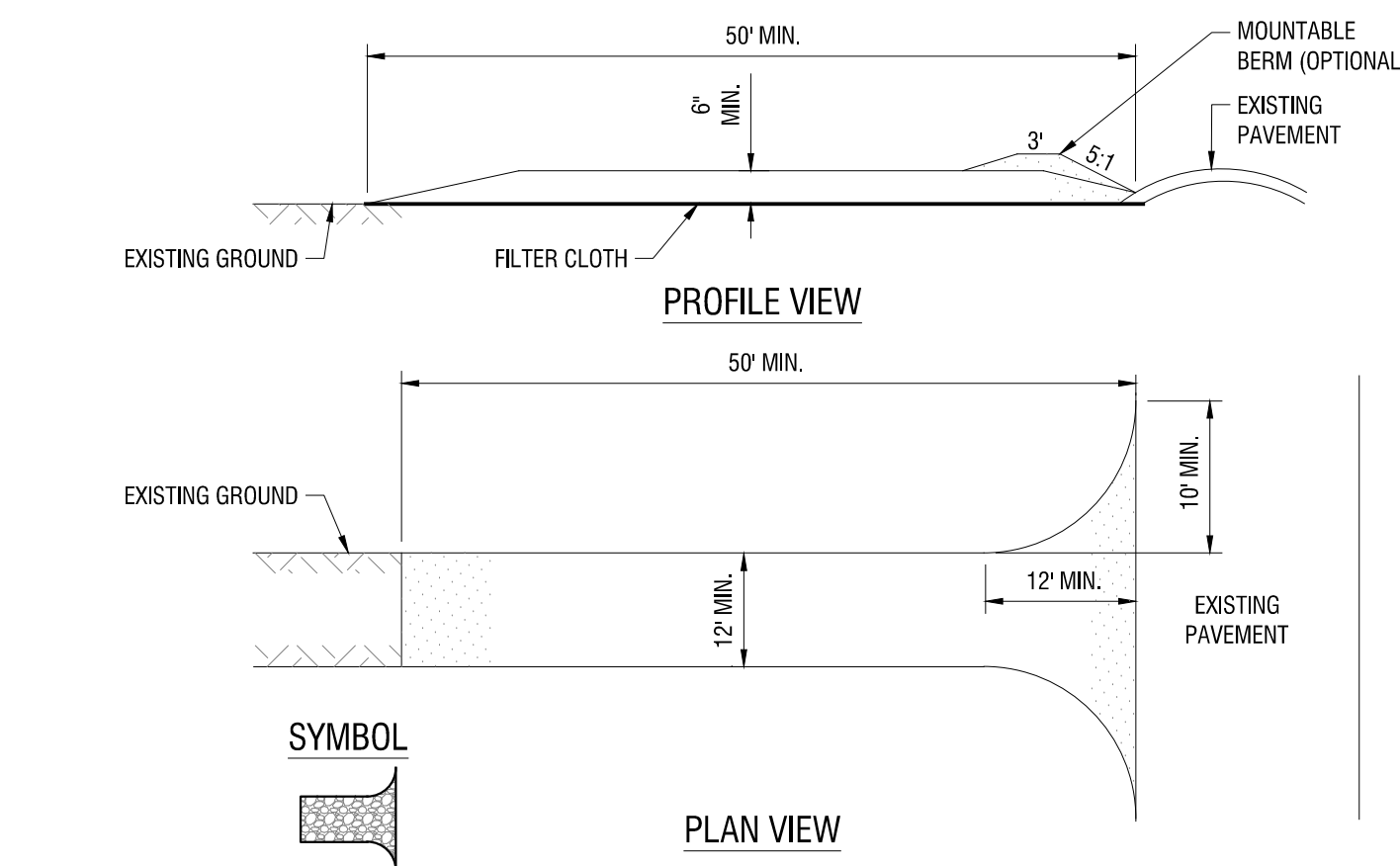
NOTES:  
1. CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

CONSTRUCTION SPECIFICATIONS  
1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 100 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.  
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.  
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.  
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.  
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED), EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

4  
C-502  
**CONCRETE WASHOUT AREA WITH STRAW BALES**  
N.T.S.



9  
C-502  
**TEMPORARY CONSTRUCTION ACCESS TYPICAL WOOD MAT**  
N.T.S.



CONSTRUCTION SPECIFICATIONS:  
1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.  
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).  
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.  
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.  
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.  
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH 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 RIGHT 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 INTO AN APPROVED SEDIMENT TRAPPING DEVICE.  
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

12  
C-502  
**STABILIZED CONSTRUCTION ENTRANCE**  
NYS DEC DETAIL: STABILIZED CONSTRUCTION ACCESS



**TANGLEWOOD NATURE CENTER**  
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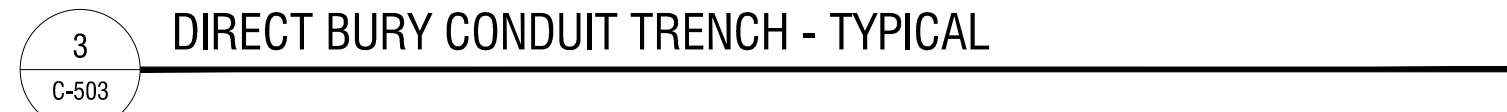
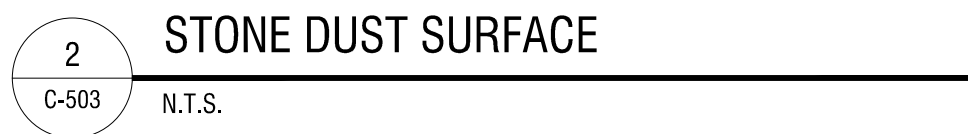
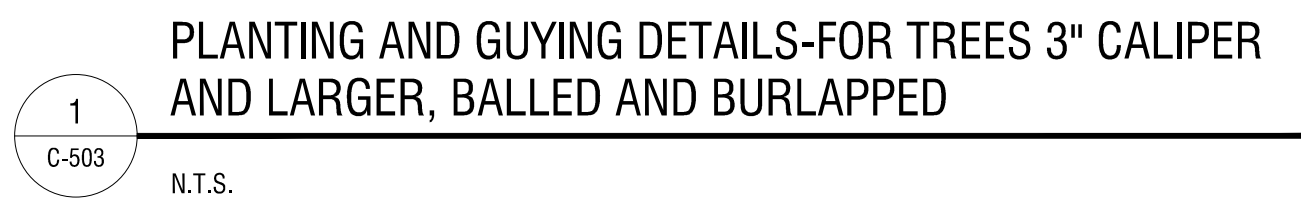
**TANGLEWOOD ADA PARKING AND TRAIL**  
443 COLEMAN AVENUE  
ELMIRA, NY 14903

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230305		
DRAWN BY: JLE		
REVIEWED BY: MWM		
ISSUED FOR: SITE PLAN REVIEW		
DATE: 12/16/2024		
DRAWING NAME:		

## CONSTRUCTION DETAILS

DRAWING NUMBER:





# C503





CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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TANGLEWOOD ADA PARKING  
AND TRAIL

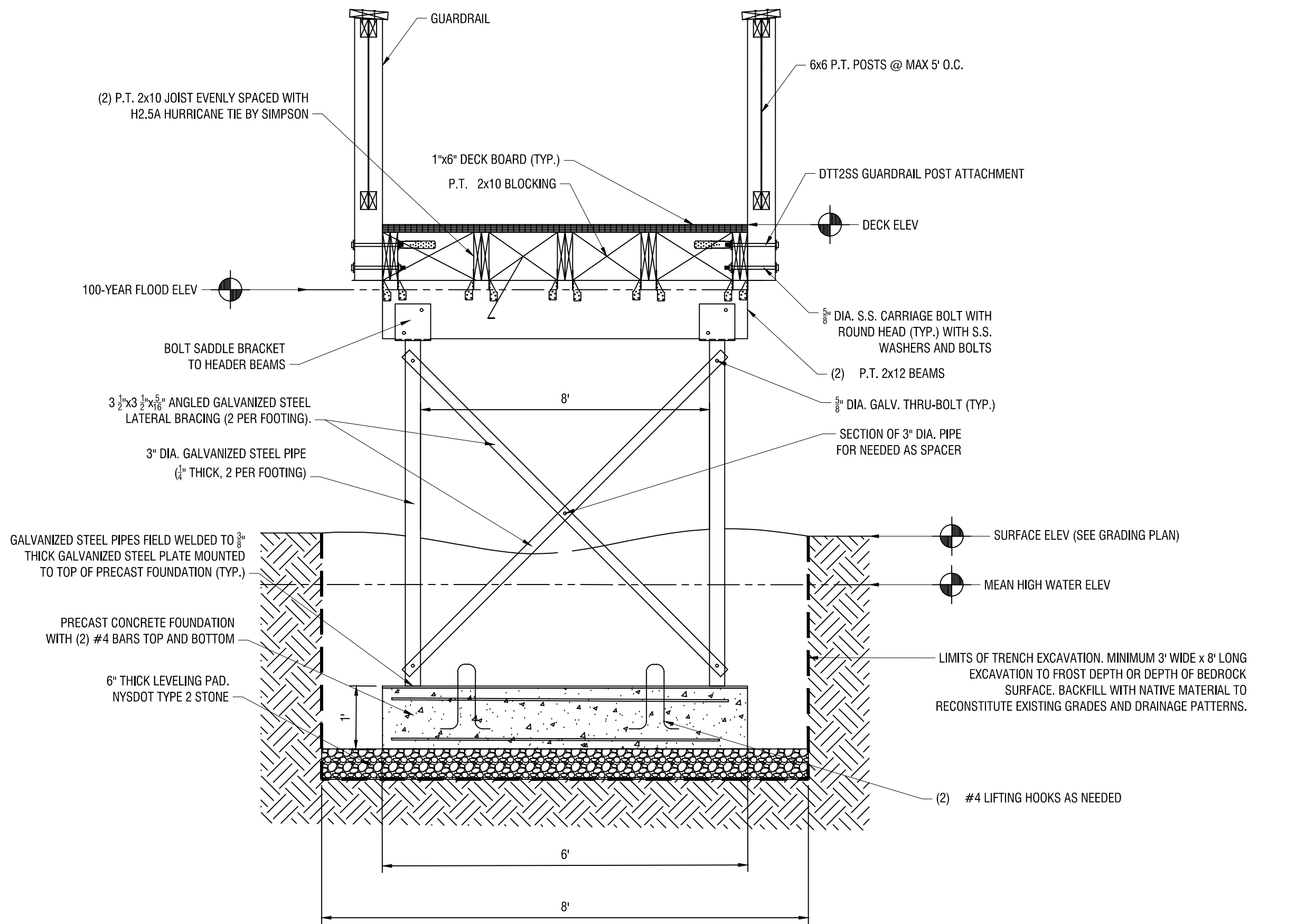
443 COLEMAN AVENUE  
ELMIRA, NY 14903

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:		2233035
DRAWN BY:		JLE
REVIEWED BY:		MWM
ISSUED FOR:		SITE PLAN REVIEW
DATE:		12/16/2024
DRAWING NAME:		

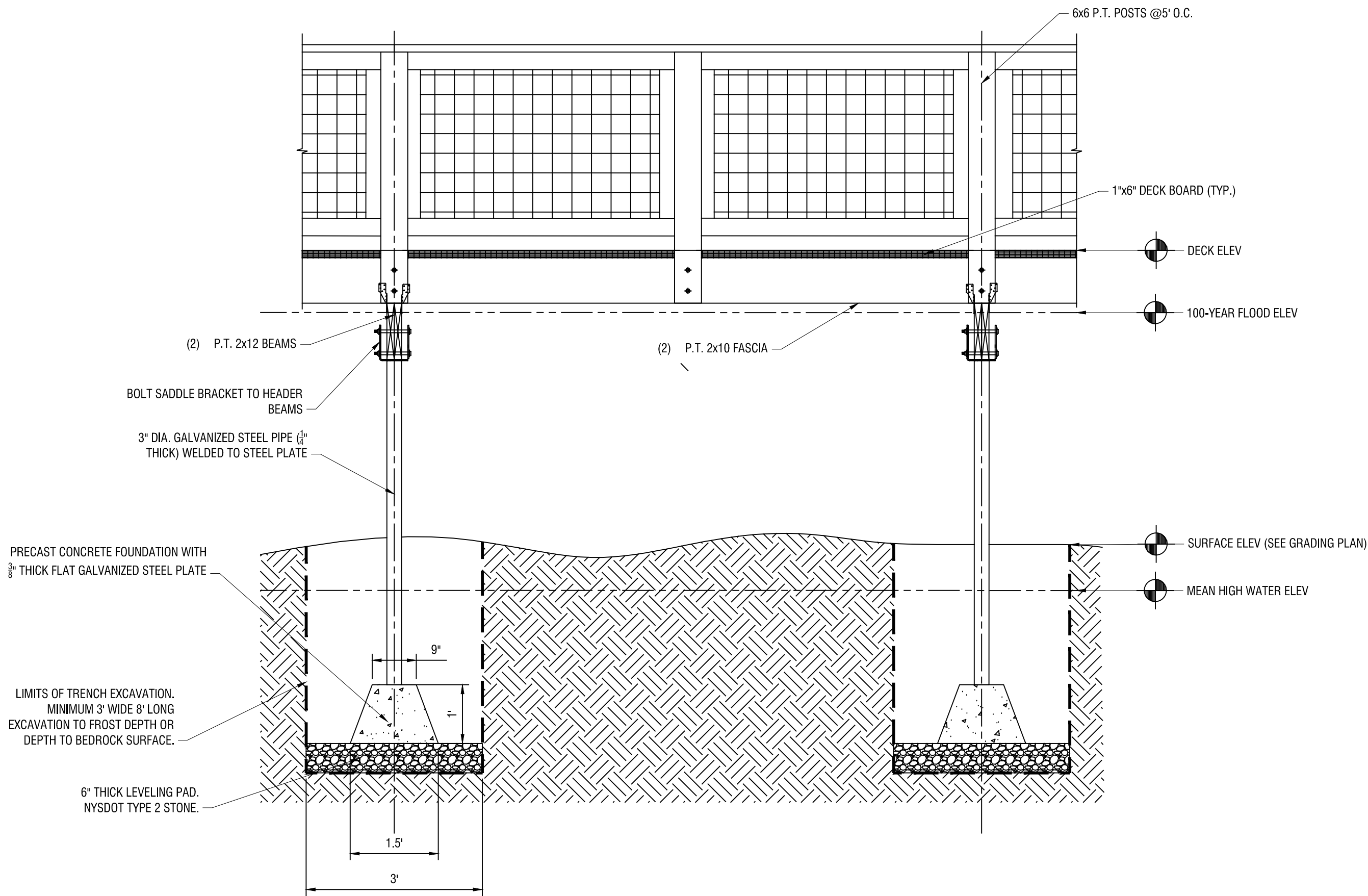
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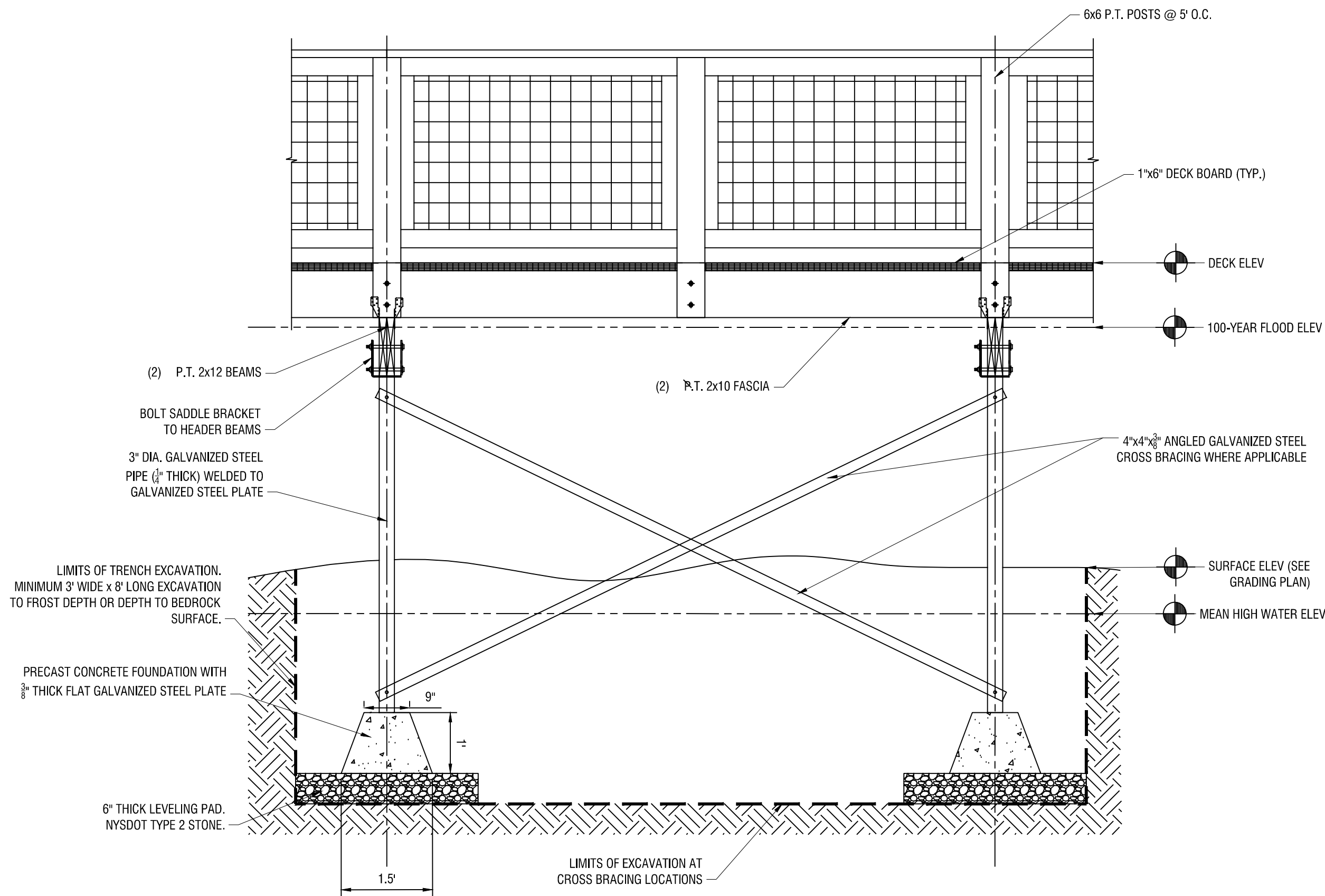
C504



1 BOARDWALK SECTION (TYP.)  
C504 N.T.S.



2 BOARDWALK SIDE VIEW (TYP.)  
C504 N.T.S.



3 BOARDWALK SIDE VIEW AT CROSS BRACING (TYP.)  
C504 N.T.S.



