# MOUNT BEACON TRAILHEAD PARKING IMPROVEMENTS

CITY OF BEACON, DUTCHESS COUNTY, NY

**JULY 24, 2017** 

#### **RECORD OWNER:**

SCENIC HUDSON LAND TRUST INC. ONE CIVIC CENTER PLAZA, SUITE 200 POUGHKEEPSIE, NY 12601

## **DEVELOPER / APPLICANT:**

SCENIC HUDSON LAND TRUST INC. ONE CIVIC CENTER PLAZA, SUITE 200 POUGHKEEPSIE, NY 12601

### SITE CIVIL ENGINEER AND LANDSCAPE ARCHITECT:

LANDSCAPE ARCHITECTURE CO., D.P.C. 547 RIVER STREET, TROY, NY 12180 PHONE: (518) 273-0055

#### TAX MAP INFORMATION:

CITY OF BEACON SECTION 6054, BLOCK 14, LOT 259407

TOTAL PROJECT ACREAGE: 15.14 ACRES

#### **BULK TABLE:**

#### ONE FAMILY ZONING DISTRICT: R1-80 (80,000 SQ. FT. / DWELLING)

ZONING REQUIREMENTS:	REQUIRED	PROPOSED	
MINIMUM LOT AREA	80,000 SF	659,414 SF / 15.14 ACRES	
MINIMUM LOT WIDTH	150 FT	N/A	
MINIMUM LOT DEPTH	200 FT	N/A	
MINIMUM YARDS			
FRONT	50 FT	24.5 FT (VARIANCE REQUESTED)	
SIDE	30 FT	30 FT	
TOTAL OF 2 SIDES	70 FT	109 FEET	
REAR	50 FT	>50 FEET	
MAXIMUM BUILDING HEIGHT	2 1/2 STORIES / 35 FT	NA	
MINIMUM BUILDING HEIGHT	1 STORY / 12 FT	NA	
MAXIMUM BUILDING COVERAGE	10%	0%	
PARKING SPACES	NOT SPECIFIED	77	

INDEX OF DRAWINGS					
PAGE NO.	REV	SHEET NO.	DATE	DESCRIPTION	
1	1	G001	7/24/2017	TITLE SHEET	
2	1	C120	7/24/2017	SITE REMOVALS PLAN	
3	1	C130	7/24/2017	PARKING LOT LAYOUT PLAN	
4	1	C140	7/24/2017	GRADING, DRAINAGE & EROSION/SEDIMENT CONTROL PLAN	
5	1	C530	7/24/2017	SITE DETAILS	
6	1	C531	7/24/2017	SITE DETAILS	
7	1	C550	7/24/2017	EROSION & SEDIMENT CONTROL DETAILS	

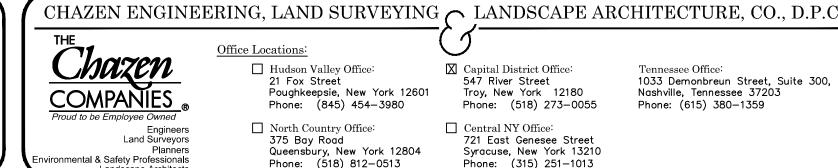


**LOCATION MAP** 

Dig Safely. **New York** ☐ Call Before You Dig ■ Wait The Required Time Confirm Utility Response Respect The Marks ☐ Dig With Care 800-962-7962

**ISSUED FOR CLIENT REVIEW - NOT FOR CONSTRUCTION** 

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS INTENDED. ANY MODIFICATION O THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERNIG DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

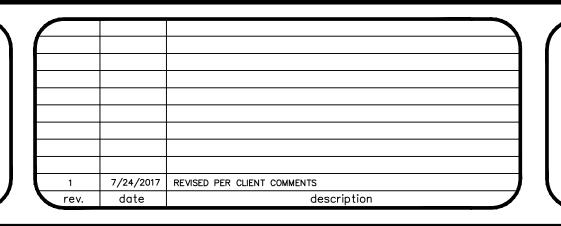


☐ Hudson Valley Office: 21 Fox Street Poughkeepsie, New York 12601 Phone: (845) 454-3980 ☐ North Country Office: 375 Bay Road Queensbury, New York 12804

Phone: (518) 812-0513

☐ Capital District Office: 547 River Street 1033 Demonbreun Street, Suite 300, Troy, New York 12180 Nashville, Tennessee 37203 Phone: (518) 273-0055 Phone: (615) 380-1359 ☐ Central NY Office: 721 East Genesee Street Syracuse, New York 13210

Phone: (315) 251-1013



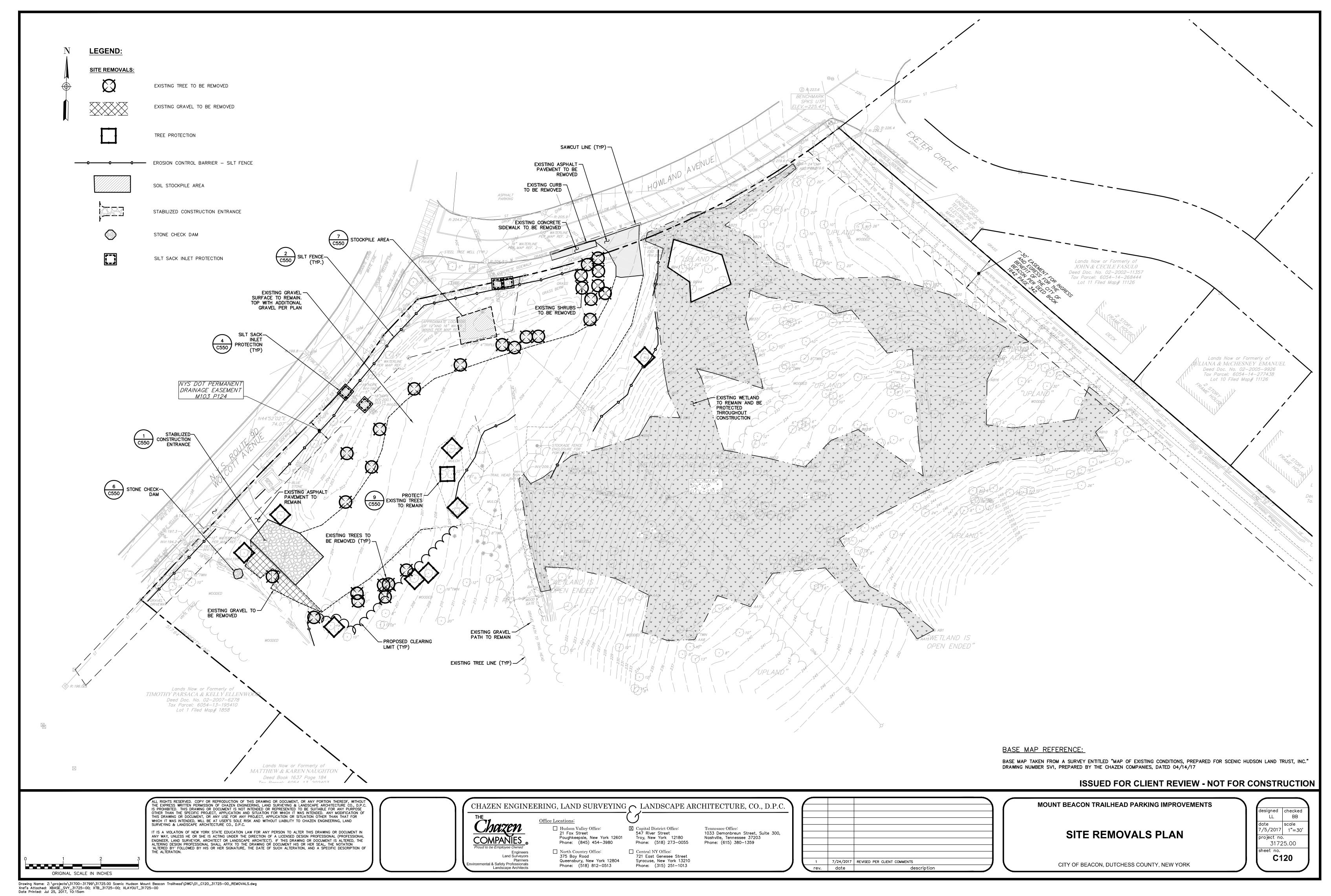
MOUNT BEACON TRAILHEAD PARKING IMPROVEMENTS

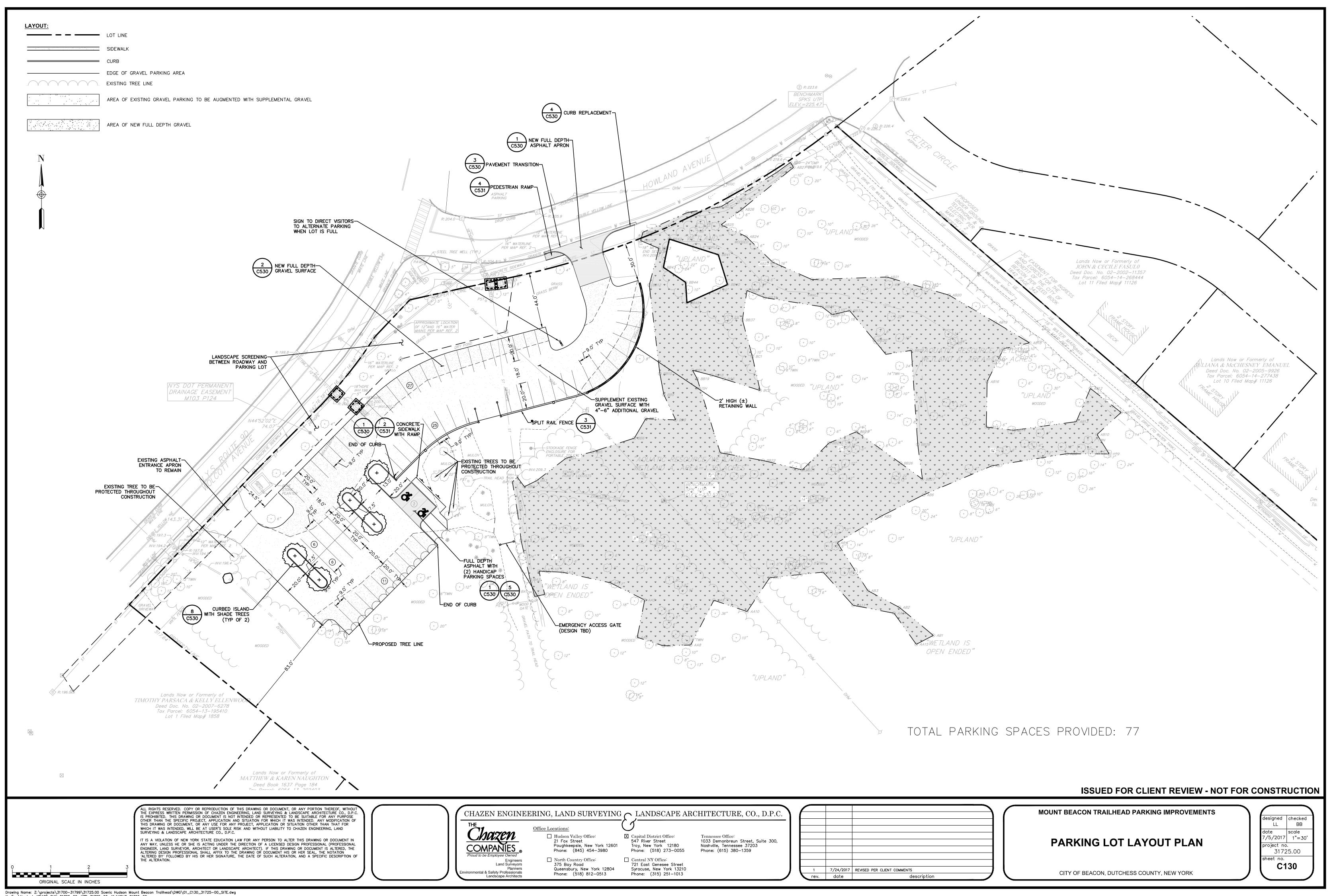
TITLE SHEET

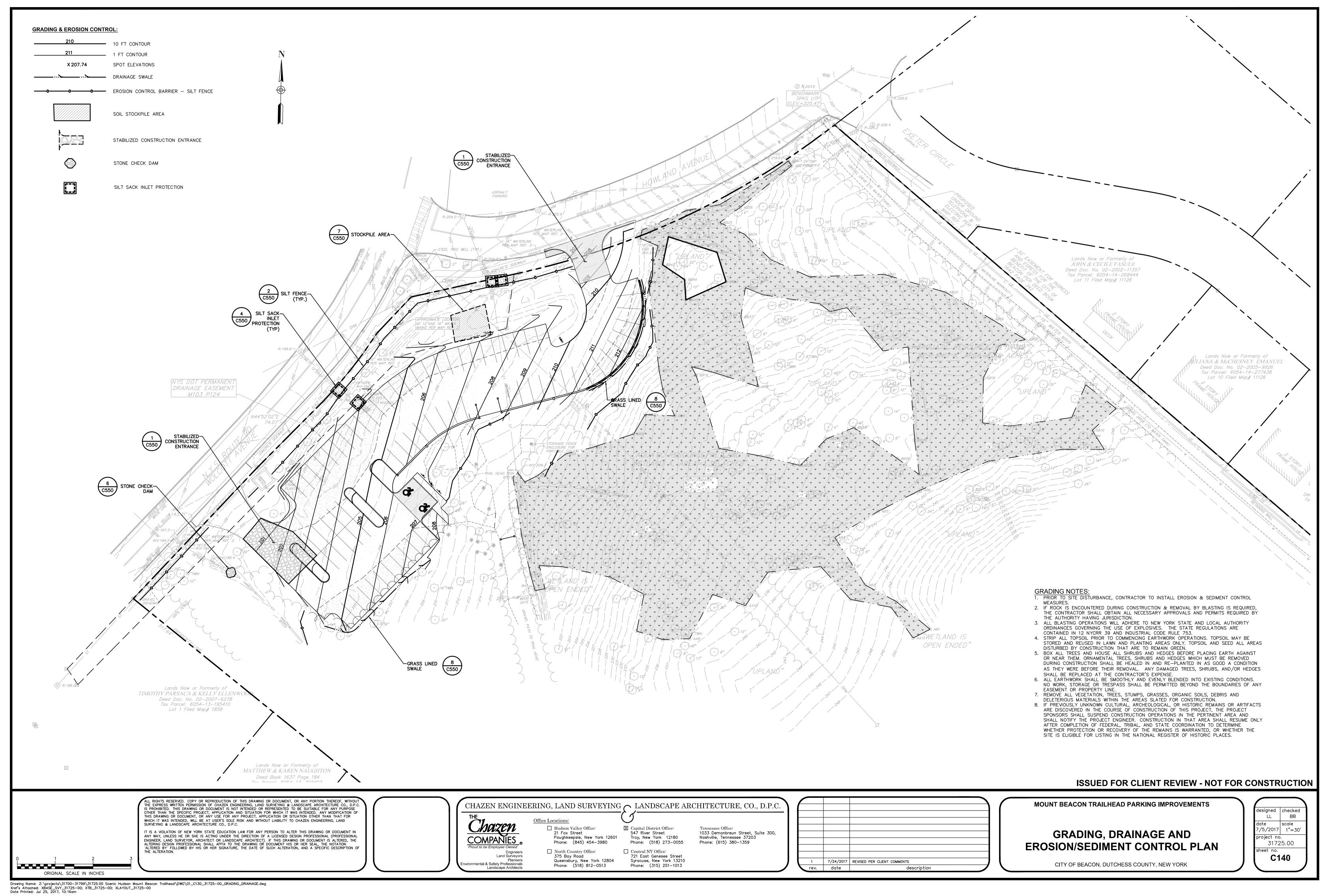
CITY OF BEACON, DUTCHESS COUNTY, NEW YORK

esigned checked scale 7/5/2017 NA oject no. 31725.00 G001

ORIGINAL SCALE IN INCHES







-1火" TOP COURSE OF MATERIAL CONFORMING WITH NYSDOT HOT-MIX ASPHALT, TYPE 6 TOP COURSE. ~2½" BINDER COURSE OF MATERIAL CONFORMING WITH NYSDOT HOT-MIX ASPHALT, TYPE 3 BINDER COURSE. -9" SUBBASE COURSE MATERIAL CONFORMING WITH NYSDOT SUBBASE COURSE TYPE 2. COMPACTED TO 95% OF DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR ANALYSIS. PROOF ROLLED SUBGRADE, OR COMPACTED SELECT GRANULAR FILL (SEE NOTE NO. 5). ►GEOTEXTILE MIRAFI 500X OR APPROVED EQUIVALENT

1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERE TO

2. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. 3. HOT MIX ASPHALT (HMA) PAVEMENT SHALL CONFORM WITH SECTION 400-HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH SECTION 400 IN ITS ENTIRETY IS REFERENCED,

THE HOT MIX ASPHALT (HMA) PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPÉCIFIED UNDER SECTION 403-HOT MIX ASPHALT (HMA) PAVEMENTS FOR MUNICIPALITIES. 4. TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407-TACK COAT OF THE ABOVE REFERENCED NYSDOT

STANDARD SPECIFICATIONS. 5. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

**PAVEMENT SECTION DETAIL** SCALE: NOT TO SCALE

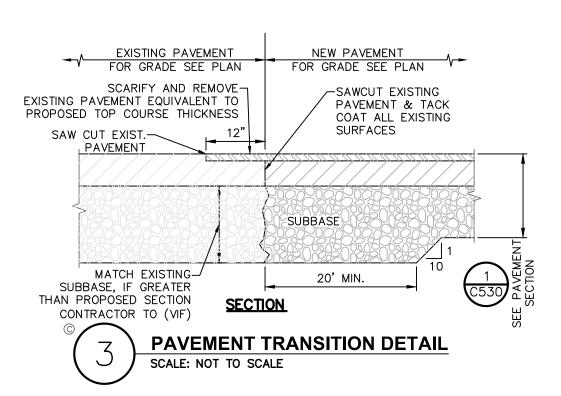
√12" SUBBASE COURSE MATERIAL CONFORMING WITH NYSDOT SUBBASE COURSE TYPE 2. COMPACTED TO 95% OF DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR ANALYSIS. -PROOF ROLLED SUBGRADE, OR COMPACTED SELECT GRANULAR FILL (SEE NOTE NO. 5). -GEOTEXTILE MIRAFI 500X OR APPROVED EQUIVALENT

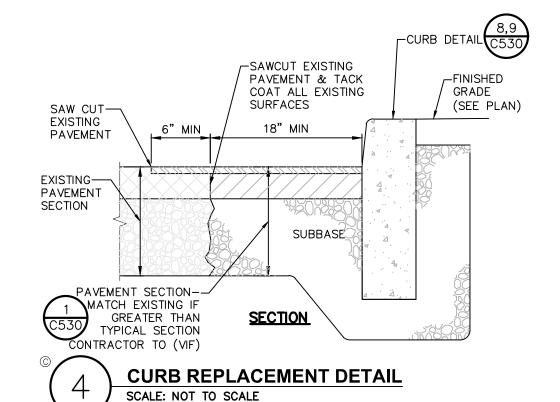
. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL

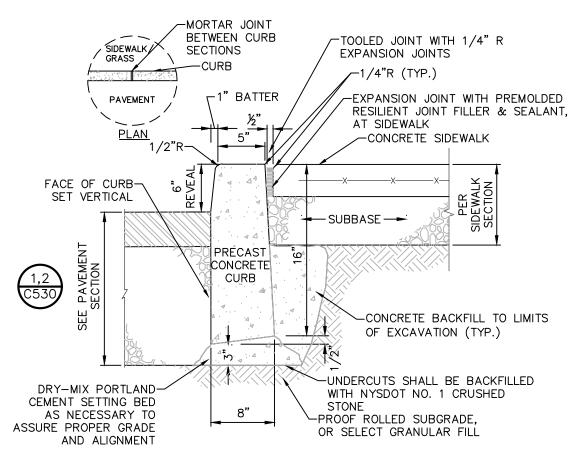
ADDENDA THERE TO 2. SUBBASE MATERIAL SHALL CONFORM WITH **SECTION 304** - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. 3. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING

THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE. THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

**GRAVEL SECTION DETAIL** SCALE: NOT TO SCALE



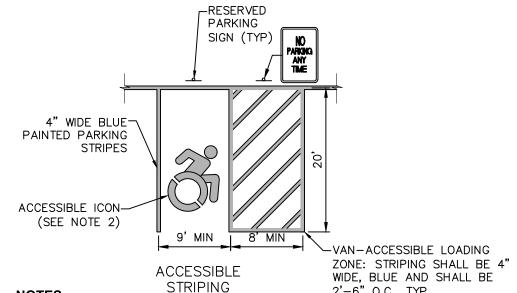






2. CAST IN PLACE CONCRETE CURB MAY BE SUBSTITUTED, WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVEDBY THE ENGINEER. ALTERNATE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT SPEC SECTION 609.

PRECAST CONCRETE CURB AT SIDEWALK SCALE: NOT TO SCALE



2'-6" O.C., TYP. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH ADA STANDARD AND CURRENT ZONING AND SITE REGULATIONS.

- 2. PAINTED ACCESSIBLE LOGO TO BE IN ACCORDANCE W/ NEW YORK STATE LAW. 3. SLOPE OF PAVEMENT SURFACE IN HANDICAP PARKING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION.
- 4. SEE PLAN FOR ACTUAL LOCATION OF SIGNAGE

SLOPE AT 1/4" PER FT.

(SEE NOTE 12)

NYSDOT-

NYSDOT-

SUBBASE

NYSDOT

TYPE 2

SUBBASE

COMPACTED SUBGRADE OR COMPACTED SELECT-

GRANULAR FILL AS REQUIRED TO BRING

SUBGRADE TO CORRECT GRADE.

 $(1/4^{"}R \times 3/4^{"}DEEP)$ 

TOOLED JOINT 5' MAX O.C EACH WAY.

OR AS SHOWN ON PLANS

 $(1/4^{\circ}R \times 3/4^{\circ}DEEP)$ 

(SEE NOTE NO. 9 BELOW)

TOOLED EDGE-

**EXPANSION JOINT** 

**CONSTRUCTION JOINT** 

**CONTROL JOINT** 

SUBBASE

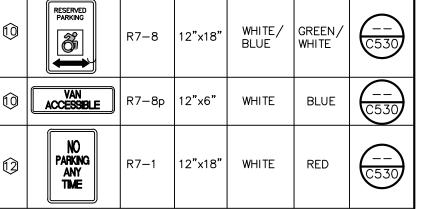
PAVEMENT MARKING DETAIL PARKING STRIPING SCALE: NOT TO SCALE



SIGNAGE AND PAVEMENT MARKING NOTES:

ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, SECTION 645 & 640 AND THE "NATIONAL MANUAL ON UNIFORM

TRAFFIC CONTROL DEVICES" - 2009 EDITION AND THE "NYS



**MUTCD SIGN SCHEDULE** SCALE: NOT TO SCALE

20'MAX

~ CONCRETE |SIDEWALK ~

5'MAX

CONTROL

JOINTS

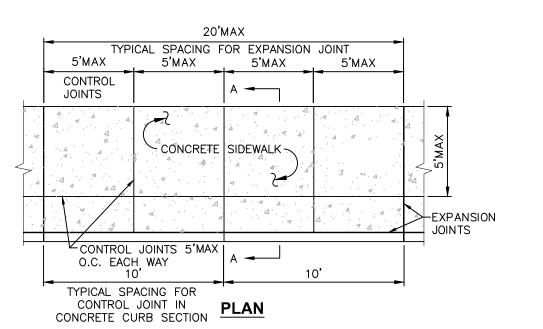
TYPICAL SPACING FOR EXPANSION JOINT

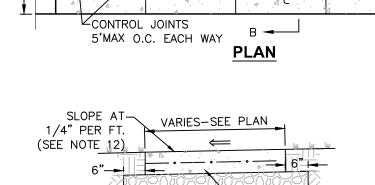
5'MAX

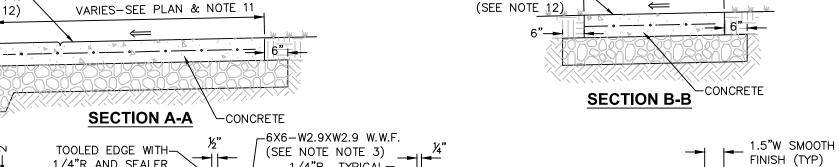
B -

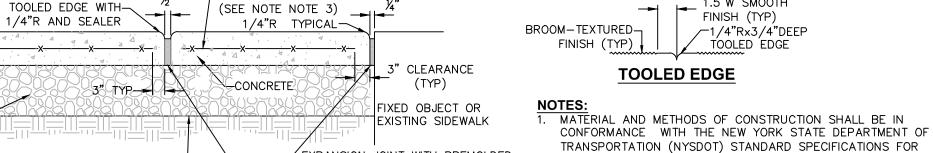
5'MAX

— CONCRETE









-6x6-W2.9xW2.9 W.W.F. ∕-1/4"R TOOLED

ÉDGE TYPICAL

CLEARANCE

(SEE NOTE 3)

-COMPACTED SUBGRADE OR COMPACTED SELECT

\_6X6-W2.9XW2.9

(SEE NOTE NOTE 3)

GRANULAR FILL AS REQUIRED TO BRING

W.W.F.

CONCRETE!

-COMPACTED SUBGRADE OR COMPACTED

BRING SUBGRADE TO CORRECT GRADE.

(SEE NOTE NO. 9 BELOW)

SELECT GRANULAR FILL AS REQUIRED TO

3" CONCRETE

SUBGRADE TO CORRECT GRADE.

(SEE NOTE NO. 9 BELOW)

TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR EXPANSION JOINT WITH PREMOLDED CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL RESILIENT JOINT FILLER & SEALANT, ADDENDA THERE TO. AT OBJECT EXISTING SIDEWALK 2. ALL CONCRETE SHALL BE 4,500 CONCRETE. CONCRETE MATERIALS, -EXPANSION JOINT WITH PREMOLDED PLACEMENT, AND CONSTRUCTION SHALL CONFORM WITH SECTION 500 RESILIENT JOINT FILLER AND SEALANT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS. 20' MAX O.C. OR AS INDICATED ON PLANS

- REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 - REINFORCING STEEL FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN THE DRAWINGS.
- 4. ALL EXPOSED SURFACED SHALL HAVE A BROOM TEXTURED FINISH & TOOLED EDGES. TOOL SHALL BE PROVIDE MAX 1-1/2" WIDE SMOOTH TROWEL FINISH AT JOINT.
- 5. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.
- 6. JOINTS SHALL NOT BE SAW CUT. . EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SUREBOND" / "SAFEBOND" SB-7000 INTENSIFIER BRIGHT PROTECTOR AND SIDEWALK SEALER, OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 8. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 OF THE ABOVE REFERENCED NYSDOT STANDARD. 9. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING
- THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED
- NYSDOT STANDARD SPECIFICATIONS. 10. ALL WORK SHALL CONFORM WITH SECTION 608-SIDEWALK, DRIVEWAYS, AND BICYCLE PATHS OF THE ABOVE REFERENCED
- NYSDOT STANDARD SPECIFICATIONS. 11. SIDEWALK WIDTH SHOWN ON THE PLANS IS TO BE MEASURED FROM THE BACK OF THE CURB.
- 12. SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1/4" PER FT. UNLESS OTHERWISE NOTED ON PLAN.

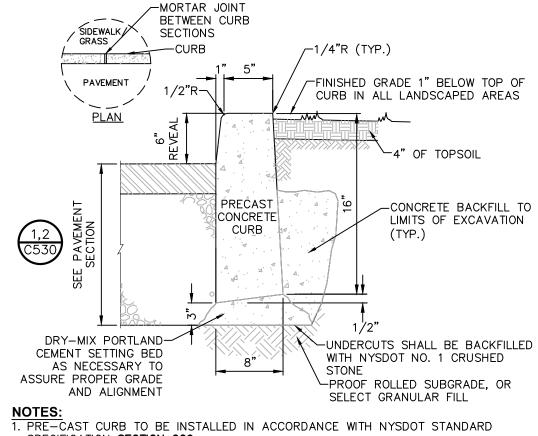


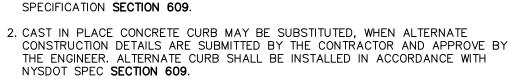
**ISSUED FOR CLIENT REVIEW - NOT FOR CONSTRUCTION** 

## -(SIGN VARIES) ŠEE SIGN SCHEDULE FASTEN SIGN WITH MIN OF (2) 1/4" DIA. LOCK -GALV. STEEL U" SECTION −1/4"x8"x24" STEEL PLATE (WELDED) SINGLE POST SIGN MOUNTING DETAIL

SCALE: NOT TO SCALE

ORIGINAL SCALE IN INCHES



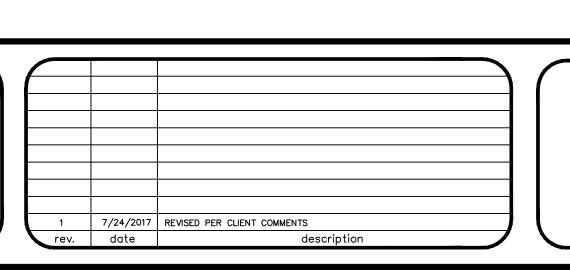


PRECAST CONCRETE CURB

SCALE: NOT TO SCALE

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOU THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS INTENDED. ANY MODIFICATION (
THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



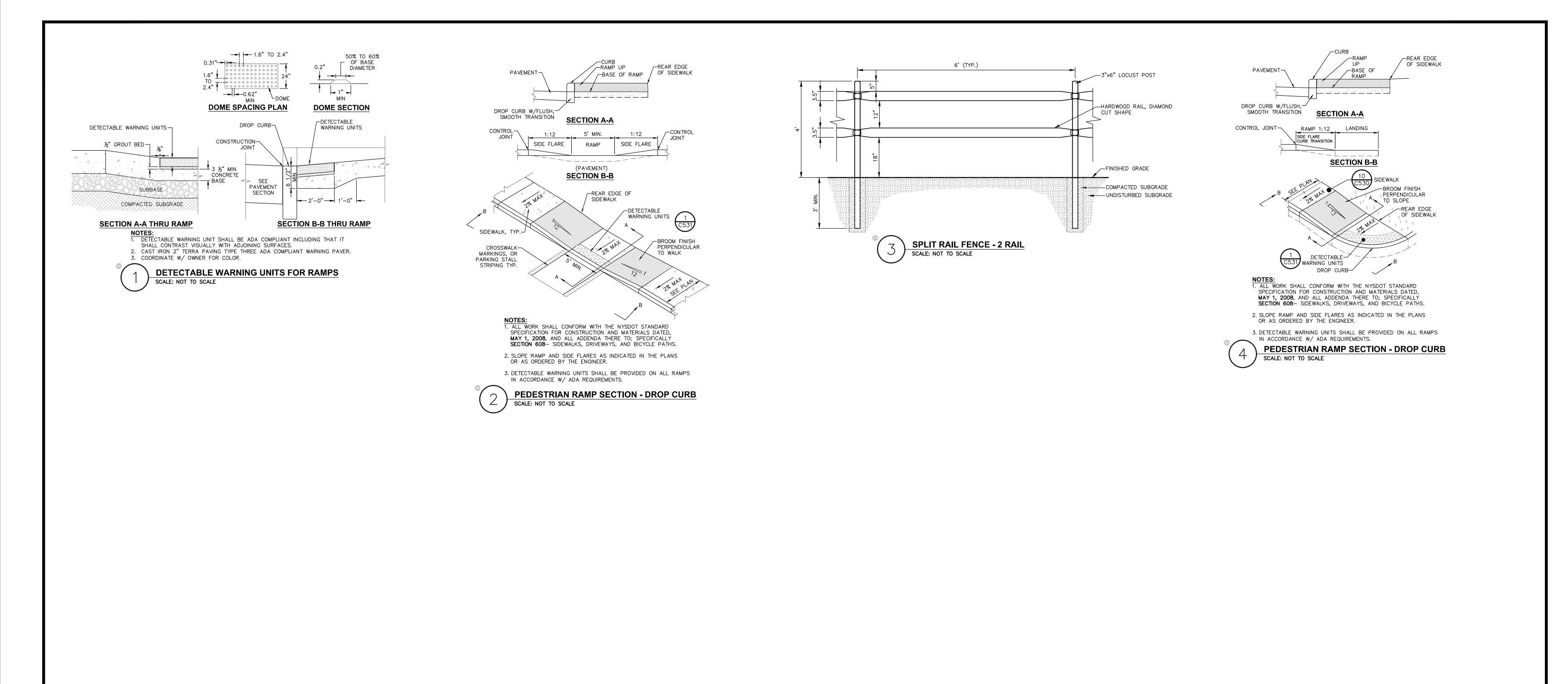




SITE DETAILS

CITY OF BEACON, DUTCHESS COUNTY, NEW YORK

signed |checked scale /5/2017 AS NOTE oiect no. 31725.00 C530





ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS INTENDED. ANY MODIFICATION OF THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P.C. IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



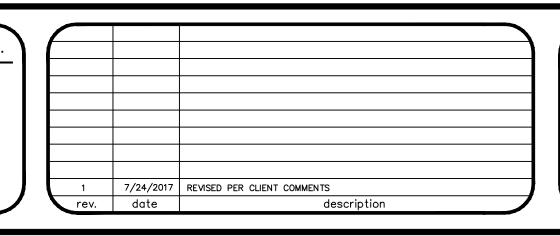
Engineers Land Surveyors

Office Locations: ☐ Hudson Valley Office: 21 Fox Street Poughkeepsie, New York 12601 Phone: (845) 454-3980 ☐ North Country Office: 375 Bay Road Queensbury, New York 12804 Syracuse, New York 13210

Phone: (518) 812-0513

☐ Capital District Office: 547 River Street Troy, New York 12180 1033 Demonbreun Street, Suite 300, Nashville, Tennessee 37203 Phone: (615) 380—1359 Phone: (518) 273-0055 ☐ Central NY Office: 721 East Genesee Street

Phone: (315) 251-1013



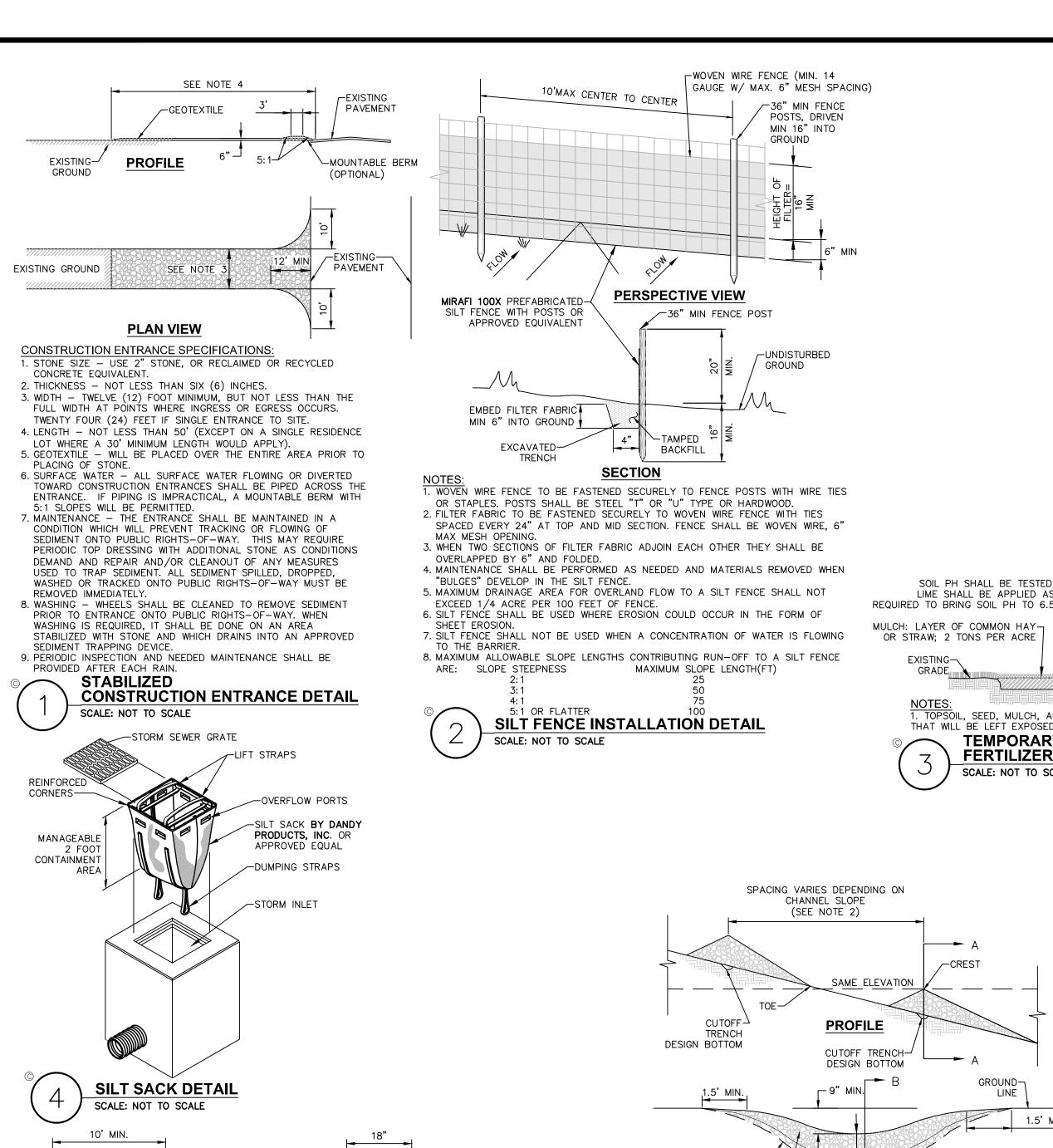
MOUNT BEACON TRAILHEAD PARKING IMPROVEMENTS

SITE DETAILS

CITY OF BEACON, DUTCHESS COUNTY, NEW YORK

lesigned checked scale 7/5/2017 AS NOTE oject no. 31725.00 C531

ORIGINAL SCALE IN INCHES



---BLACK

-FINISH GRADE

AT WASHOUT AREA

SIGN SHALL BE PLACED

IN A PROMINENT LOCATION

-EXISTING

GRADE

LETTERS ON

BACKGROUND

-GALVANIZED

"U" CHANNEL

TRUCKS ---

WASHOUT SIGN

EMBEDMENT

TYPICAL)

4. WASHOUT AREA(S) SHALL BE INSTALLED IN A

5. ONE OR MORE AREAS MAY BE INSTALLED ON

THE CONSTRUCTION SITE AND MAY BE

LOCATION EASILY ACCESSIBLE BY CONCRETE

RELOCATED AS CONSTRUCTION PROGRESSES

6. AT LEAST WEEKLY, REMOVE ACCUMULATION OF

SAND AND AGGREGATE AND DISPOSE OF

ANCHOR BALES WITH

STAKES PER BALE

BOTTOM OF SIGN

3'-0" MIN-

**EMBEDMENT** 

SOIL

-BALES TO

--STRAW BALE (TYPICAL) 🗖 ≤

SHEETING

CONTAINMENT MUST BE STRUCTURALLY SOUND

CONTAINMENT DEVICES MUST BE OF SUFFICIENT

QUANTITY OR VOLUME TO COMPLETELY CONTAIN

FACILITIES CONSTRUCTED AND READY TO USE

ONCE WASHOUT IS 75% FULL. THIS INCLUDES

REPLACEMENT OF THE 10 MIL POLYETHLENE

AND LEAK FREE AND CONTAIN ALL LIQUID

THE LIQUID WASTES GENERATED.

WASHOUT MUST BE CLEANED OR NEW

ORIGINAL SCALE IN INCHES

GROUNDWATER TABLE ▽

POLYETHYLENE

SEASONAL HIGH

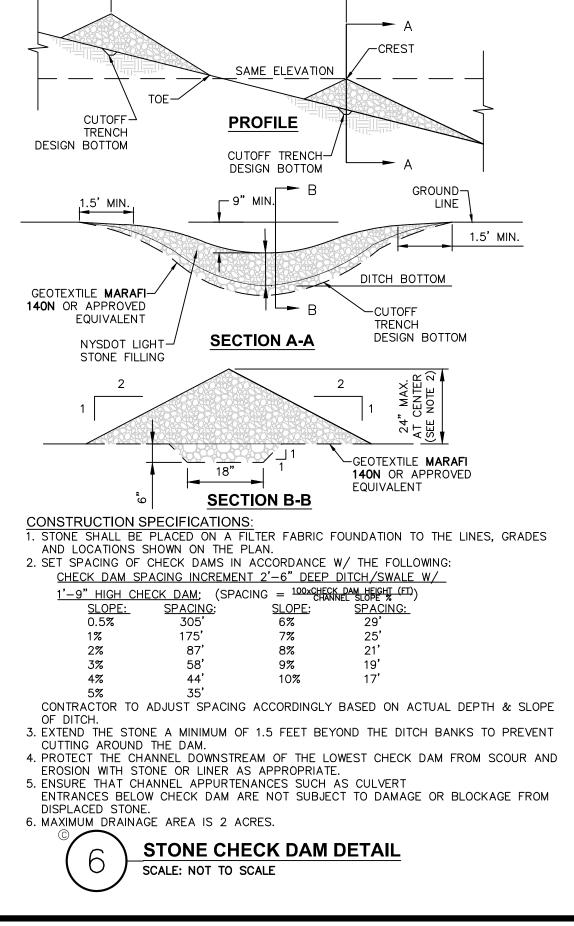
SCALE: NOT TO SCALE

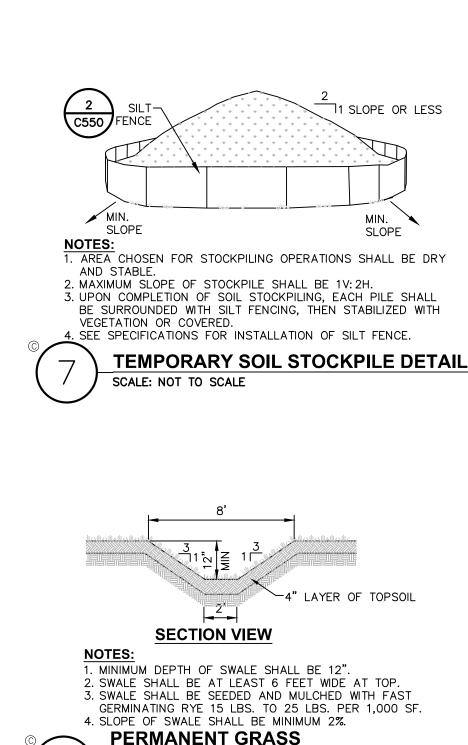
(2) 2"x2"x4'

POLYETHYLENE

└6" MIN DEPTH **AGGREGATE** 

ALL AROUND





SPDES GENERAL PERMIT GP-0-15-002 COMPLIANCE NOTES:

CONSTRUCTION SEQUENCING NOTES

5. FINALIZE PAVEMENT SUB-GRADE PREPARATION.

THE AREAS DISTURBED DURING THEIR REMOVAL.

SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.

EXPOSED SOILS.

TEMPORARY SEED, SEE VEGETATIVE

COVER SPECIFICATIONS THIS SHEET

175 POUNDS PER ACRE

TOPSOIL, SEED, MULCH, AND FERTILIZE DISTURBED SOIL AREAS

FERTILIZER, SEED & MULCH DETAIL

THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE.

SCALE: NOT TO SCALE

TEMPORARY TOPSOIL

FERTILIZER: COMMERCIAL 5-10-5,

-TOPSOIL: A NATURAL, FERTILE,

AGRICULTURAL SOIL CAPABLE OF

SUSTAINING VIGOROUS PLANT GROWTH.

SOIL PH SHALL BE TESTED,-

LIME SHALL BE APPLIED AS

GRADE

DURATION OF SOIL DISRUPTION.

EROSION AND SEDIMENT CONTROL MEASURES:

. INSTALL SUB-BASE MATERIAL AS REQUIRED.

THE TOTAL AREA OF DISTURBANCE PLANNED FOR THIS PROJECT IS LESS THAN

ACRE THEREFORE A SPDES GENERAL PERMIT (GP-0-15-002) IS NOT REQUIRED.

PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES,

ETC.AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL

INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT

FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION

AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND

. TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL

ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED

FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.

FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED

CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.

INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION.

CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON

DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION

FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF

CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL

SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING

3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND

2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED.

THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL

4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF

BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

FENCES, TREE PROTECTION/BARRIER FENCES, STABILIZED CONSTRUCTION

ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT

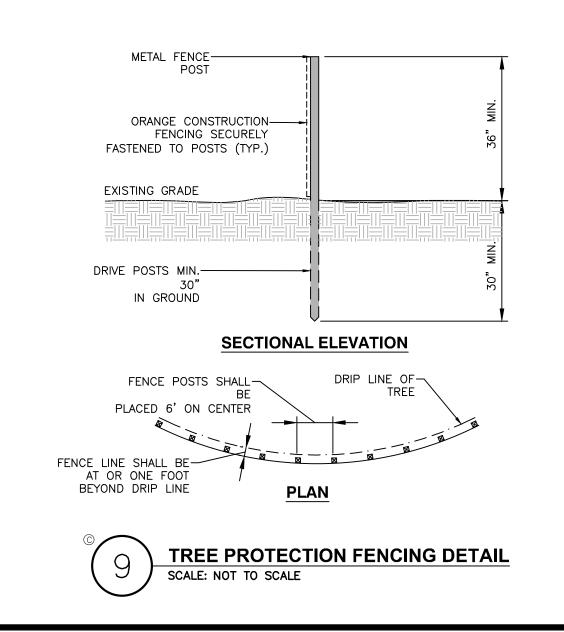
DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.

PLACE REQUIRED RIP-RAP AT LOCATIONS SHOWN ON THE PLANS.

3. THE CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES INCLUDING

4. CONSTRUCT ALL CONCRETE CURBS AND WALKWAYS AS SHOWN ON THE PLANS.

. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT



MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES: PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT

TABILIZED CONSTRUCTION ENTRANCE:

ISPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE

ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE, II FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

<u>DUST CONTROL:</u>
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED ÁREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

STORM DRAIN INLET PROTECTION: INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

#### GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016.
- 2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
- 3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
- 4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF
- 6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
- WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

TOPSOIL SPECIFICATIONS:

EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID MIXING. SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.

COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE

REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER

NEW TOPSOIL SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING ADJACENT TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA: A. ORIGINAL LOAM TOPSOIL, WELL DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE,

WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL B. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION

METHOD ON A SAMPLE DRIED AT 105°C. C. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE

SAMPLE WHICH PASSES A 1/4" SIEVE. D. CONTAINING THE FOLLOWING WASHED GRADATIONS:

> SIEVE DESIGNATION % PASSING 97-100 NO 200 20-60

#### APPLICATION AND GRADING

TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW,

TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

#### **VEGETATIVE COVER SPECIFICATIONS:**

TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION): SITE PREPARATION

(SAME AS PERMANENT VEGETATIVE COVER)

SEED MIX: (APPLY AT RATE OF 3 TO 4 LBS PER 1000 SF) MINIMUM %

SPECIES OR VARIETY ANNUAL RYEGRASS SEEDING

(SAME AS PERMANENT VEGETATIVE COVER)

#### PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION): SITE PREPARATION

A. BRING AREA TO BE SEEDED TO REQUIRED GRADE. A MINIMUM OF 4" OF TOPSOIL IS

B. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 INCHES. C. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE LIME TO PH OF 6.5.

. FERTILIZER: USE 5-10-5 (NPK) OR EQUIVALENT. APPLY AT RATE OF 4 LBS/1000 SF. INCORPORATE LIME AND FERTILIZER IN THE TOP 4 INCHES OF TOPSOIL. G. SMOOTH AND FIRM THE SEEDBED.

SEED MIXTURE FOR USE ON LAWN AREAS:

PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS.

LAWN SEED MIX: (APPLY AT RATE OF 5 TO 6 LBS PER 1000 SF)

SUN AND PARTIAL SHADE:

MINIMUM % WEIGHT SPECIES OR VARIETY
50% KENTUCKY BLUE GRASS\* <u>PURITY</u> 20% PERENNIAL RYE 98% 97% 85%

30% CREEPING RED FESCUE

\*MINIMUM 2 (EQUAL PROPORTIONS) VARIETIES AS LISTED IN CORNELL RECOMMENDATIONS FOR TURFGRASS.

SHADE: AMOUNT BY: MINIMUM % WEIGHT SPECIES OR VARIETY <u>PURITY</u> <u>GERMINATION</u> KENTUCKY BLUE GRASS\*\* 20% PERENNIAL RYE 98% 35% CREEPING RED FESCUE 97% 85%

20% CHEWINGS RED FESCUE

\*\*SHADE TOLERANT VARIETY

A. APPLY SEED UNIFORMLY BY CYCLONE SEEDER CULTI-PACKER OR HYDRO-SEEDER AT RATE INDICATED

97%

85%

B. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS /ACRE MIN., TO BE APPLIED ONCE SEEDING IS COMPLETE.

ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2.000 C. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE

MESH OR APPROVED EQUAL. IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.

E. UNLESS OTHERWISE DIRECTED IN WRITING, SEED FROM MARCH 15TH TO JUNE 15TH, AND FROM AUGUST 15TH TO OCTOBER 15TH.

**ISSUED FOR CLIENT REVIEW - NOT FOR CONSTRUCTION** 

MOUNT BEACON TRAILHEAD PARKING IMPROVEMENTS

**EROSION & SEDIMENT CONTROL DETAILS** 

oiect no. 31725.00 C550

signed |checked

/5/2017 AS NOTE

scale

CITY OF BEACON, DUTCHESS COUNTY, NEW YORK

ALL RIGHTS RESERVED. COPY OR REPRODUCTION OF THIS DRAWING OR DOCUMENT, OR ANY PORTION THEREOF, WITHOU THE EXPRESS WRITTEN PERMISSION OF CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., D.P. I IS PROHIBITED. THIS DRAWING OR DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT, APPLICATION AND SITUATION FOR WHICH IT WAS INTENDED. ANY MODIFICATION (THIS DRAWING OR DOCUMENT, OR ANY USE FOR ANY PROJECT, APPLICATION OR SITUATION OTHER THAN THAT FOR WHICH IT WAS INTENDED, WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CHAZEN ENGINEERING, LAND IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THIS DRAWING OR DOCUMENT IN ANY WAY, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED DESIGN PROFESSIONAL (PROFESSIONAL ENGINEER, LAND SURVEYOR, ARCHITECT OR LANDSCAPE ARCHITECT). IF THIS DRAWING OR DOCUMENT IS ALTERED, THE ALTERING DESIGN PROFESSIONAL SHALL AFFIX TO THE DRAWING OR DOCUMENT HIS OR HER SEAL, THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION. 

PROPERLY.

**CONCRETE WASHOUT AREA DETAIL** 

CHAZEN ENGINEERING, LAND SURVEYING A LANDSCAPE ARCHITECTURE, CO., D.P.C Land Surveyors

☐ Hudson Valley Office: 21 Fox Street Phone: (845) 454-3980

375 Bay Road

Phone: (518) 812-0513

Poughkeepsie, New York 12601 ☐ North Country Office:

☐ Capital District Office 547 River Street 1033 Demonbreun Street, Suite 300, Trov. New York 12180 Nashville, Tennessee 37203 Phone: (518) 273-0055 Phone: (615) 380-1359 721 East Genesee Street

**LINED DIVERSION SWALE DETAIL** 

☐ Central NY Office: Queensbury, New York 12804 Syracuse, New York 13210 Phone: (315) 251-1013

SCALE: NOT TO SCALE

7/24/2017 REVISED PER CLIENT COMMENTS