



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 3 TO PROJECT NO. 45227

**CONSTRUCTION WORK
REMEDiate FIRING RANGE
BUTLER CORRECTIONAL FACILITY
WESTBURY CUTOFF ROAD
RED CREEK, NY**

May 3, 2016

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual.
Acknowledge receipt of this Addendum in the space provided on the Bid Form.

CD WRITING ERRORS

1. Drawing Nos. G-001, C-001, C-101, C-102, C-103, C-104, C-105, C-106, and C-501: The attached drawings were omitted from the CDs' for this Project. Bidders are advised to examine their CDs' for completeness.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

GENERAL NOTES:

- THE FINAL GRADE PLAN OF THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH A TOPOGRAPHIC SURVEY AS PREPARED IN 2015 BY POPLI DESIGN GROUP.
- HORIZONTAL COORDINATES ARE IN THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 83. ELEVATIONS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- VERTICAL CONTROL REFERENCED TO BENCH MARK SHOWN ON DRAWING NO. C-101. VERIFY BENCH MARK ELEVATION WITH AT LEAST TWO OTHER GIVEN ELEVATIONS ON THE DRAWINGS, AND NOTIFY THE DIRECTOR'S REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES ENCOUNTERED.
- VERIFY DIMENSIONS OF PERTINENT WORK IN THE FIELD.
- RESTORE UNPAVED DISTURBED SURFACES TO ORIGINAL OR BETTER CONDITION INCLUDING 4-INCHES OF TOPSOIL, SEED, FERTILIZER AND MULCH. IMPROVED GRAVEL DRIVEWAY TO REMAIN UPON COMPLETION OF THE WORK.
- INSTALL "HARD HAT AREA" SIGN AT ACCESS ROAD.
- FROM RECORD DATA, UNDERGROUND UTILITIES ARE NOT PRESENT AT THE SITE. UTILITIES MAY EXIST. VERIFY THE PRESENCE OF AND EXACT LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK PURSUANT TO THIS CONTRACT IN ACCORDANCE WITH SECTION 023313. CALL DIG SAFELY NEW YORK (1-800-962-7962) AND THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET EXISTING CONDITIONS.
- PROVIDE ALL PERMITS REQUIRED BY GOVERNMENT AGENCIES HAVING STATUTORY JURISDICTION OVER THE FACILITIES AND NATURAL FEATURES FOUND ON THE PROJECT SITE AND WHICH WILL BE AFFECTED BY THE WORK OF THIS CONTRACT. THESE INCLUDE, BUT NOT LIMITED TO WASTE HANDLING, PERMITTED TRANSPORT OF EQUIPMENT AND MATERIALS TO AND FROM THE SITE AND PERMITTED DISPOSAL OF CONTAMINATED SOIL AND WASTE MATERIALS.
- PROVIDE ALL REMOVALS INCIDENTAL TO AND NECESSARY TO PROVIDE THE WORK OF THIS CONTRACT AND REMOVE EXISTING FEATURES IN THEIR ENTIRETY UNLESS OTHERWISE DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.
- PRESERVE AND PROTECT ALL EXISTING VEGETATION NOT INDICATED TO BE REMOVED. PROVIDE FENCES, BARRICADES AND OTHER SUITABLE DEVICES TO PREVENT DAMAGE BY VEHICLES. RESTRICT VEHICLE TRAFFIC TO AREAS OUTSIDE THE DRIP LINE OF TREES. PREVENT COMPACTION OF SOIL WITHIN THE DRIP LINE OF TREES AND SHRUBS. DO NOT DRIVE OR PARK VEHICLES ON LAWNS.
- PROTECT FROM DAMAGE ALL EXISTING PHYSICAL FEATURES NOT INDICATED OR REQUIRED TO BE REMOVED FOR THE WORK.
- RESTORE TO THEIR ORIGINAL CONDITION ALL EXISTING PHYSICAL FEATURES DAMAGED BY THE UNAUTHORIZED ACT OR OMISSION OF THE CONTRACTOR. ORIGINAL CONDITION SHALL MEAN THE CONDITION IN WHICH THE FEATURE WAS FOUND AT THE START OF THE WORK.
- PROVIDE A NEW YORK STATE LICENSED LAND SURVEYOR FOR THE LAYOUT/STAKEOUT OF ALL SITE WORK. LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS IN THE AREAS OF CONSTRUCTION.
- COORDINATE CONSTRUCTION OPERATIONS WITH ANY AND ALL OTHER CONSTRUCTION ACTIVITIES WHICH MAY BE OCCURRING SIMULTANEOUSLY IN THE VICINITY OF THE SITE.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE CAUSED BY HIS OPERATIONS TO EXISTING UTILITIES AND FACILITIES WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. INCLUDING, BUT NOT LIMITED TO, THE SITE AREA AND ALONG HAUL ROUTE. ALL DAMAGE TO THE EXISTING FACILITIES WHICH ARE NOT A PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE, AT NO ADDITIONAL COST.
- PROVIDE SELECT GRANULAR MATERIAL FOR THE PURPOSE OF TRUCK HAUL ROUTE IMPROVEMENT. IMPROVE THE HAUL ROAD AS DETAILED ON C-501.
- THE CONTRACT DRAWINGS ARE INTENDED TO BE COMPLIMENTARY TO THE CONTRACT SPECIFICATIONS. ALL WORK AND MATERIALS MENTIONED IN ONE DOCUMENT BUT NOT IN OTHER DOCUMENTS SHALL BE FURNISHED AND PERFORMED AS IF THE SAME WERE MENTIONED IN ALL DOCUMENTS.
- CONTRACT WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, RULES AND REGULATIONS.
- SEDIMENTATION BARRIERS AND OTHER TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE START OF EXCAVATION. THE EROSION CONTROLS SHALL BE MAINTAINED UNTIL THE COMPLETION OF THE PROJECT.
- COMPLETE REMOVAL OF CONTRACTOR INSTALLED TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS APPROVED BY THE NYSOGS AND THE DIRECTOR'S REPRESENTATIVE. THE COST OF REMOVING THESE MEASURES SHALL BE INCLUDED IN THE CONTRACTORS BID.
- PROVIDE PERMANENT VEGETATIVE COVER (TOP SOIL, SEED, FERTILIZER, MULCH) PROMPTLY AFTER GRADING.
- LIMIT ACCESS ON UNSTABILIZED SOIL SURFACES TO THOSE VEHICLES NECESSARY FOR THE WORK. PARK EMPLOYEE VEHICLES IN THE DESIGNATED PARKING AREA
- MAINTAIN SITE CONDITIONS WHICH PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. KEEP CLEAN AND FREE ALL SIDEWALKS, STREETS, DRIVES AND OTHER PAVEMENTS FROM SOIL, SEDIMENT, MUD, STONES AND OTHER MATERIALS AS A RESULT OF THIS WORK.
- PROPERLY REMOVE AND DISPOSE OF OFF-SITE MATERIALS NOT OTHERWISE DESIGNATED TO BE STORED, REUSED, RECYCLED, RELOCATED OR TURNED OVER TO THE OWNER.

- DISPOSE OF CONTRACT DERIVED WASTES IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES, RULES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS REQUIRED AND FOR THE COST OF DISPOSAL.
- DEVELOP AND IMPLEMENT A SITE HEALTH AND SAFETY PLAN. THE CONTRACTOR WILL BE RESPONSIBLE TO IMPLEMENT DUST AND VAPOR CONTROLS AND TO PROVIDE PROPER RESPONSE IN THE EVENT OF ELEVATED CONCENTRATIONS OF EITHER.
- TREAT ALL WORK AREAS TO CONTROL DUST IN ACCORDANCE WITH CONTRACTOR'S HEALTH AND SAFETY PLAN. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER SHALL BE BASED UPON FIELD AND WEATHER CONDITIONS AT THE DISCRETION OF THE DIRECTOR'S REPRESENTATIVE.
- LOCATE UTILITIES IN ACCORDANCE WITH SECTION 023313 PRIOR TO PERFORMING EXCAVATION.
- NOTIFY THE DIRECTOR'S REPRESENTATIVE IF THE SITE CONDITIONS VARY FROM THE CONDITIONS SHOWN BY THE DRAWINGS.

EXCAVATION NOTES:

- CLEAR AND GRUB EXISTING VEGETATION, REGARDLESS OF SIZE, NECESSARY TO INSTALL THE WORK OF THIS CONTRACT. REMOVE ALL ABOVE GROUND PORTIONS OF PLANTS TO A DEPTH OF 6" BELOW FINISH GRADE IN LAWN AREAS. COMPLETELY REMOVE ALL BELOW GROUND PORTIONS OF PLANTS IN AREAS TO BE COVERED WITH BACKFILL. TREES ARE TO BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ABOVE AND BELOW GROUND PORTIONS TO 6" DEPTH. PRESERVE AND PROTECT ALL EXISTING VEGETATION NOT INDICATED TO BE REMOVED.
- COORDINATE THE LAYOUT WITH THE DIRECTOR'S REPRESENTATIVE. ELIMINATE ALL CONFLICTS IN UTILITY LOCATIONS PRIOR TO ANY EXCAVATIONS.
- PROVIDE SMOOTH TRANSITION TO EXISTING GRADES.
- PROVIDE AND FINE GRADE A 4-INCH UNCOMPACTED THICKNESS OF TOPSOIL, SEED AND MULCH ALL AREAS DISTURBED BY THE WORK OF THIS CONTRACT AND NOT SPECIFIED TO BE COVERED BY OTHER FINISHED SURFACE.
- CROWN OR SLOPE THE SURFACE OF TEMPORARY ROADS FOR ADEQUATE DRAINAGE PROVIDE TEMPORARY DRAINAGE, INCLUDING SWALES, DITCHES, CULVERTS AND PUMPS AS REQUIRED, TO PREVENT PONDING.
- SAMPLE AND CHARACTERIZE EXCAVATED CONTAMINATED SOIL ACCORDING TO THE REQUIREMENTS OF THE RECEIVING FACILITY.
- CHEMICALLY OR PHYSICALLY STABILIZE UP TO 30 CUBIC YARDS OF EXCAVATED CHARACTERISTICALLY HAZARDOUS LEAD-CONTAMINATED SOIL TO FACILITATE OFF-SITE TRANSPORT.
- REMOVE AND DISPOSE OF OFF-SITE AT A FACILITY PERMITTED TO ACCEPT THE MATERIAL UP TO 150 TONS OF CONTAMINATED SOIL. THIS QUANTITY INCLUDES THE TOTAL OF TREATED AND UNTREATED SOIL. THIS QUANTITY ALSO INCLUDES THE TOTAL OF INITIALLY PRESCRIBED EXCAVATED CONTAMINATED SOIL AND ANY ADDITIONAL SOIL THAT IS EXCAVATED TO MEET NYCRR PART 375 UNRESTRICTED SOIL CLEANUP OBJECTIVES FOR LEAD AND ARSENIC.
- PROVIDE AND PLACE UP TO 4-INCHES OF TOPSOIL OVER THE FINAL GRADE. TOPSOIL SHALL MEET SPECIFICATIONS AND NYCRR PART 375 UNRESTRICTED CRITERIA. SEED, MULCH, AND FERTILIZE AS SPECIFIED.
- PRIOR TO COMMENCING EXCAVATION INSTALL PERMANENT SEDIMENTATION BARRIERS, AND STABILIZED CONSTRUCTION ENTRANCE.

SITE GRADING NOTES:

- AT SUBSTANTIAL COMPLETION, THE CONTRACTOR WILL PRODUCE AND SUBMIT AS-BUILT DRAWINGS ACCURATELY REPRESENTING SITE CONDITIONS INCLUDING BUT NOT LIMITED TO FINAL GRADES.

REMOVALS NOTES:

- REMOVE AND DISPOSE OF TIMBER STRUCTURES INCLUDING POSTS, WALLS, AND BEAMS OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND REQUIREMENTS UP TO A TOTAL OF 10 TONS. NOTE THAT THE TIMBERS AT THE BASE OF THE SOUTH FACING BERM LIKELY CONTAIN LEAD PROJECTILES AND LEAD FRAGMENTS.
- REMOVE AND DISPOSE OR RECYCLE TIRES USED FOR SLOPE STABILIZATION IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND REQUIREMENTS UP TO A TOTAL OF 15 TONS.
- REMOVE AND DISPOSE OF CONCRETE RANGE PADS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND REQUIREMENTS UP TO A TOTAL OF 10 TONS.

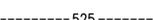
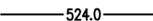
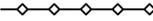
PROJECT MILESTONES:

- ESTABLISH SURVEY MARKERS.
- INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES.
- IMPROVE HAUL ROAD AND INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- REMOVE/DISPOSE RANGE APPURTENANCES DESIGNATED FOR REMOVAL.
- CLEAR AND GRUB AREAS AS REQUIRED.
- EXCAVATE LEAD AND ARSENIC CONTAMINATED SOIL.
- TEST CONTAMINATED SOILS.
- TREAT CONTAMINATED SOIL AS NECESSARY.
- REMOVE CONTAMINATED SOIL REQUIRING OFF-SITE DISPOSAL.
- REGRADE SITE AS SHOWN ON THE BASIC GRADING PLAN DRAWING.
- APPLY TOPSOIL ACROSS SITE.
- SEED, FERTILIZE AND MULCH SITE WORK AREAS.
- REMOVE STABILIZED CONSTRUCTION ENTRANCE.
- REMOVE EROSION AND SEDIMENT CONTROL MEASURES.
- DEMOLITIZE.

WORK PHASING:

- PRIOR TO CONDUCTING ANY WORK ONSITE (MOBILIZATION OR EARTHWORK) PERFORM THE FOLLOWING PRELIMINARY ACTIVITIES:
 - OBTAIN NECESSARY PERMITS, VARIANCES, AND MAKE REQUIRED NOTIFICATIONS.
 - PROVIDE AND GAIN ACCEPTANCE OF PROJECT SUBMITTALS.
 - PREPARE WORK PLANS AND HEALTH AND SAFETY PLANS.
 - ESTABLISH SURVEY MARKERS.
 - LOCATE EXISTING UNDERGROUND UTILITIES.
 - PROVIDE TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES AND TEMPORARY CONSTRUCTION FENCING AND SIGNAGE.

LEGEND

-  PROJECT LIMIT LINE (PLL)
-  SURVEY BENCHMARK
-  50-FOOT GRID MARK
-  TREE LINE
-  LIMIT OF AREA REQUIRING GRUBBING AND CLEARING
-  525 EXISTING GRADE CONTOUR
-  524.0 MODIFIED GRADE CONTOUR
-  SILT FENCE
-  HAUL ROUTE
-  101.3 SPOT LOCATION IDENTIFIER
-  DETAIL INDICATOR
-  SECTION LINE
-  STABILIZED CONSTRUCTION ENTRANCE
-  PLACE TOPSOIL, SEED, FERTILIZER, AND MULCH

CROSS SECTIONAL LEGEND

-  SELECT GRANULAR MATERIAL
-  TOPSOIL
-  LOOSENED REGGRADED OR SUITABLE MATERIAL
-  COMPACTED REGGRADED OR SUITABLE MATERIAL
-  COMPACTED SUBGRADE

CONSULTANT



WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT:	
CONSTRUCTION	
TITLE:	REMEDIATE FIRING RANGE
LOCATION:	BUTLER CORRECTIONAL FACILITY WESTBURY CUTOFF ROAD RED CREEK, NY
CLIENT:	DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	2/2/2016	FINAL SUBMISSION
	12/28/2015	100% SUBMISSION
	10/13/2015	65% SCHEMATIC
PROJECT NUMBER:	45227 - C	
DESIGNED BY:	B. PRZYBYL	
DRAWN BY:	A. KELLY	
FIELD CHECK:	B. PRZYBYL	
APPROVED:	M. WESOLOWSKI	
SHEET TITLE:	NOTES, LEGEND AND ABBREVIATIONS	
DRAWING NUMBER:	C-001	
SHEET	2	of 9

LIMITS OF WORK		
LOCATION	NORTHING	EASTING
101.1	1174413.5140	782836.5600
101.2	1174422.6914	782913.9736
101.3	1174429.1248	782966.4453
101.4	1174461.9375	783097.4363
101.5	1174453.3095	783163.0070
101.6	1174499.2248	783228.8231
101.7	1174612.3929	783239.4714
101.8	1174651.7965	783216.6046
101.9	1174654.1939	783111.7101
101.10	1174650.8996	783061.2655
101.11	1174541.7654	783046.4959
101.12	1174476.4299	783078.9567
101.13	1174449.7897	782970.6776
101.14	1174439.8484	782838.9083
101.15	1174506.5312	782836.5802
101.16	1174508.2301	782866.6410
101.17	1174548.9954	782864.5635
101.18	1174547.5054	782835.3282
101.19	1174575.1250	782834.5662
101.20	1174575.1250	782780.8970

NOTES:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOWN. DETAILS PROVIDED ON DRAWING C-501.
2. ADD SELECT GRANULAR MATERIAL TO THE UNPAVED GRAVEL HAUL ROAD TO ENABLE TRUCK HAUL TRAFFIC (DETAIL PROVIDED ON C-501) AND ON-SITE TO ACCESS AND CONDUCT DEMOLITION AND REMEDIATION ACTIVITIES.
3. REMOVE THE STABILIZED CONSTRUCTION ENTRANCE AFTER SITE RESTORATION IS COMPLETE.



NEW YORK STATE OF OPPORTUNITY **Office of General Services**
 DESIGN & CONSTRUCTION

CONSULTANT

LIRO Engineers, Inc.
 3 Aerial Way, Syosset, New York

WARNING:
 THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



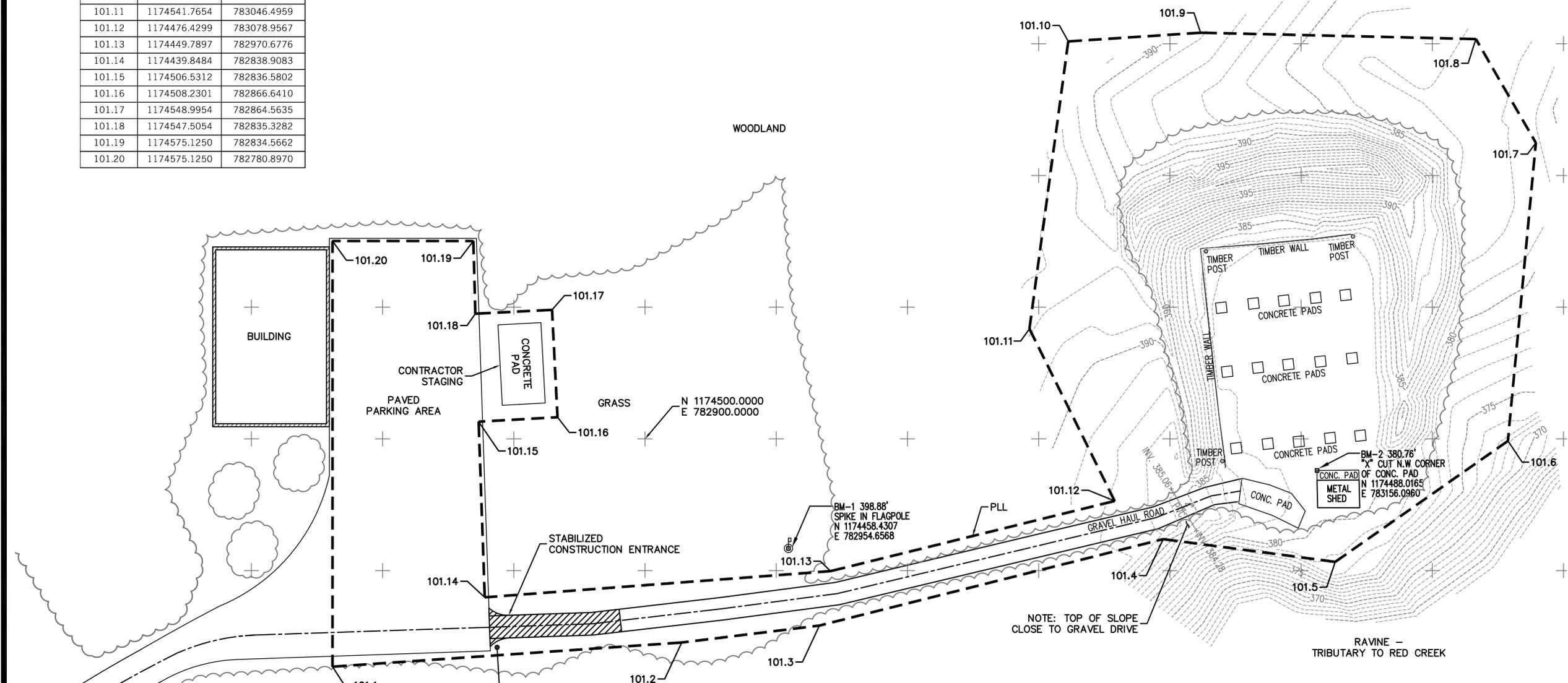
CONTRACT: **CONSTRUCTION**
 TITLE: **REMEDIATE FIRING RANGE**
 LOCATION: **BUTLER CORRECTIONAL FACILITY
 WESTBURY CUTOFF ROAD
 RED CREEK, NY**
 CLIENT: **DEPARTMENT OF CORRECTIONS
 AND COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	2/2/2016	FINAL SUBMISSION
	12/26/2015	100% SUBMISSION
	10/13/2015	65% SCHEMATIC
PROJECT NUMBER:	45227 - C	
DESIGNED BY:	B. PRZYBYL	
DRAWN BY:	A. KELLY	
FIELD CHECK:	B. PRZYBYL	
APPROVED:	S. FRANK	

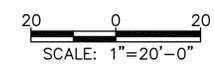
SHEET TITLE:
**SITE AREA,
 EXISTING GRADE,
 AND HAUL ROUTE**

DRAWING NUMBER:
C-101

SHEET **3** OF **9**



SITE AREA, EXISTING GRADE, AND HAUL ROUTE



Apr 04 2016 - 11:41 am
 J:\12-117-0285 OGS\Bulter CF\CAD\FINAL\C-101.dwg
 36x24 PLOT SHEET

WARNING:
 THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



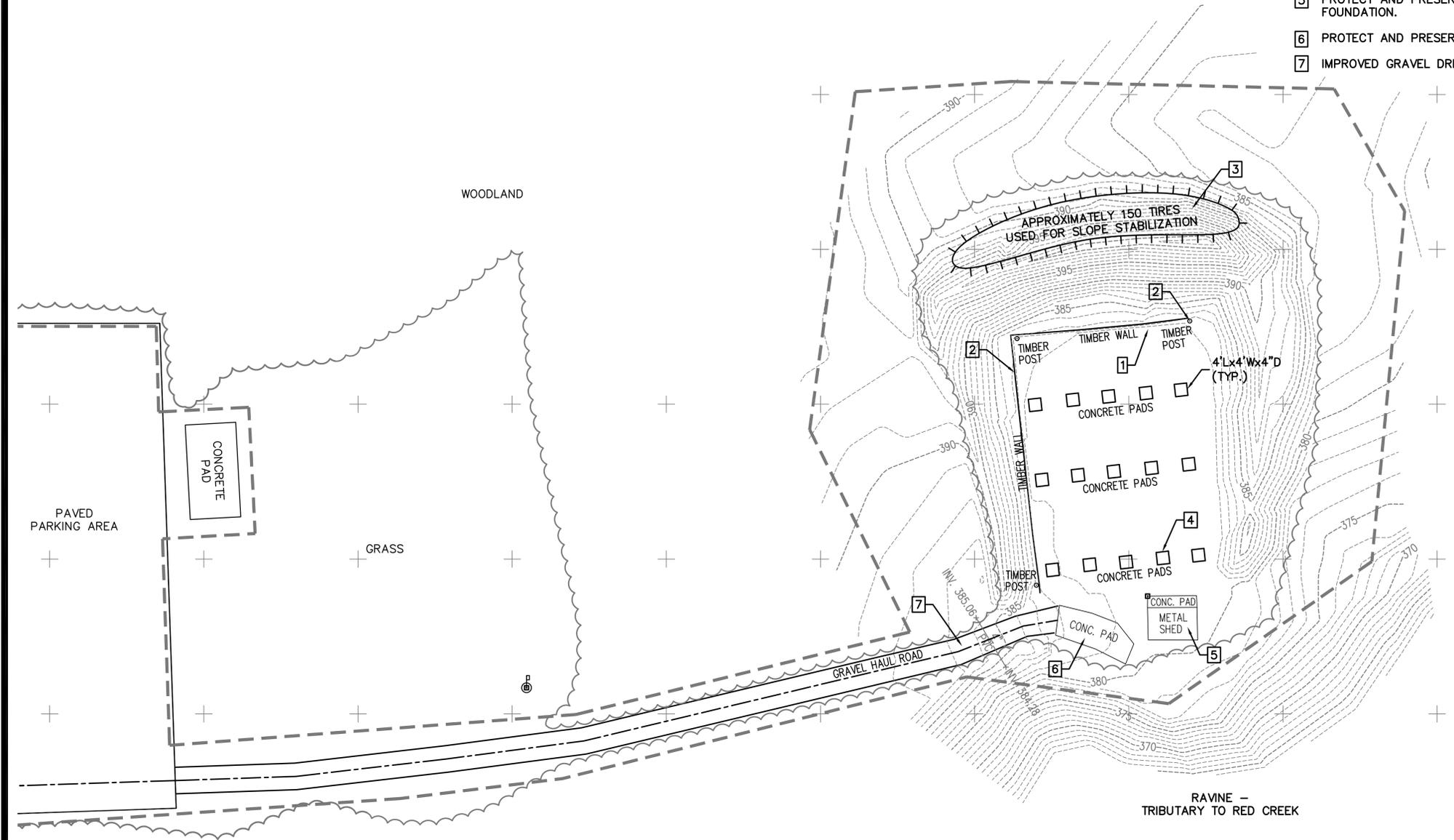
CONTRACT: **CONSTRUCTION**
 TITLE: **REMEDIATE FIRING RANGE**
 LOCATION: **BUTLER CORRECTIONAL FACILITY
 WESTBURY CUTOFF ROAD
 RED CREEK, NY**
 CLIENT: **DEPARTMENT OF CORRECTIONS
 AND COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	2/2/2016	FINAL SUBMISSION
	12/26/2015	100% SUBMISSION
	10/13/2015	65% SCHEMATIC
PROJECT NUMBER:	45227 - C	
DESIGNED BY:	B. PRZYBYL	
DRAWN BY:	A. KELLY	
FIELD CHECK:	B. PRZYBYL	
APPROVED:	S. FRANK	

SHEET TITLE:
REMOVALS PLAN
 DRAWING NUMBER:
C-102
 SHEET **4** OF **9**

NOTES:

- 1 REMOVE AND DISPOSE OR RECYCLE OFF-SITE METAL ITEMS AND RANGE APPURTENANCES, INCLUDING BUT NOT LIMITED TO RANGE POLES AND METAL WIRES, OTHER THAN THE METAL SHED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND REQUIREMENTS. UP TO A TOTAL OF 1 TON OF METAL SHALL BE DISPOSED OF OR RECYCLED.
- 2 REMOVE AND DISPOSE OF TIMBER STRUCTURES INCLUDING POSTS, WALLS, AND BEAMS OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND REQUIREMENTS UP TO A TOTAL OF 10 TONS. NOTE THAT THE TIMBERS AT THE BASE OF THE SOUTH FACING BERM LIKELY CONTAIN LEAD PROJECTILES AND LEAD FRAGMENTS.
- 3 REMOVE AND DISPOSE OR RECYCLE TIRES USED FOR SLOPE STABILIZATION IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND REQUIREMENTS UP TO A TOTAL OF 15 TONS.
- 4 REMOVE AND DISPOSE OF CONCRETE RANGE PADS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND REQUIREMENTS UP TO A TOTAL OF 10 TONS.
- 5 PROTECT AND PRESERVE METAL SHED, CONCRETE PAD AND SHED FOUNDATION.
- 6 PROTECT AND PRESERVE CONCRETE PAD ADJACENT TO METAL SHED.
- 7 IMPROVED GRAVEL DRIVE TO REMAIN UPON COMPLETION OF WORK.



REMOVALS PLAN
 SCALE: 1"=20'-0"

LOCATION	ELEVATION	NORTHING	EASTING
104.1	392	1174573.7841	783064.0993
104.2	390	1174582.1924	783090.5244
104.3	389	1174623.6954	783102.2090
104.4	389	1174540.2261	783087.0844
104.5	388	1174569.7190	783106.8956
104.6	387	1174609.4182	783126.1373
104.7	387	1174519.8721	783099.1721
104.8	386	1174621.7980	783134.7387
104.9	386	1174557.1704	783128.7773
104.10	385	1174575.4557	783158.9616
104.11	385	1174513.1005	783110.9949
104.12	384	1174611.2892	783180.7429
104.13	384	1174541.3463	783149.9121
104.14	383	1174566.8039	783199.2337
104.15	383	1174513.2368	783130.4226
104.16	382	1174534.1504	783180.0273
104.17	381	1174546.8567	783203.7748
104.18	381	1174506.1331	783168.5606
104.19	380	1174515.9867	783194.0323

NOTES:

1. GRADE AND COMPACT TO THE TARGET ELEVATIONS SHOWN.
2. PLACE EXCESS MATERIAL, IF ANY, EVENLY OVER THE SURFACE IN A MANNER THAT MAINTAINS THE INTENDED SLOPE, WHICH ALLOWS DRAINAGE AWAY FROM THE SITE WITHOUT PONDING OF RUNOFF.
3. PLACE TOPSOIL, SEED, AND MULCH ON TOP OF THIS GRADE PER C-106.



NEW YORK STATE OF OPPORTUNITY | **Office of General Services**
 DESIGN & CONSTRUCTION

CONSULTANT

LIRO Engineers, Inc.
 3 Aerial Way, Syosset, New York

WARNING:
 THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT: **CONSTRUCTION**

TITLE: **REMIEDIATE FIRING RANGE**

LOCATION: **BUTLER CORRECTIONAL FACILITY
 WESTBURY CUTOFF ROAD
 RED CREEK, NY**

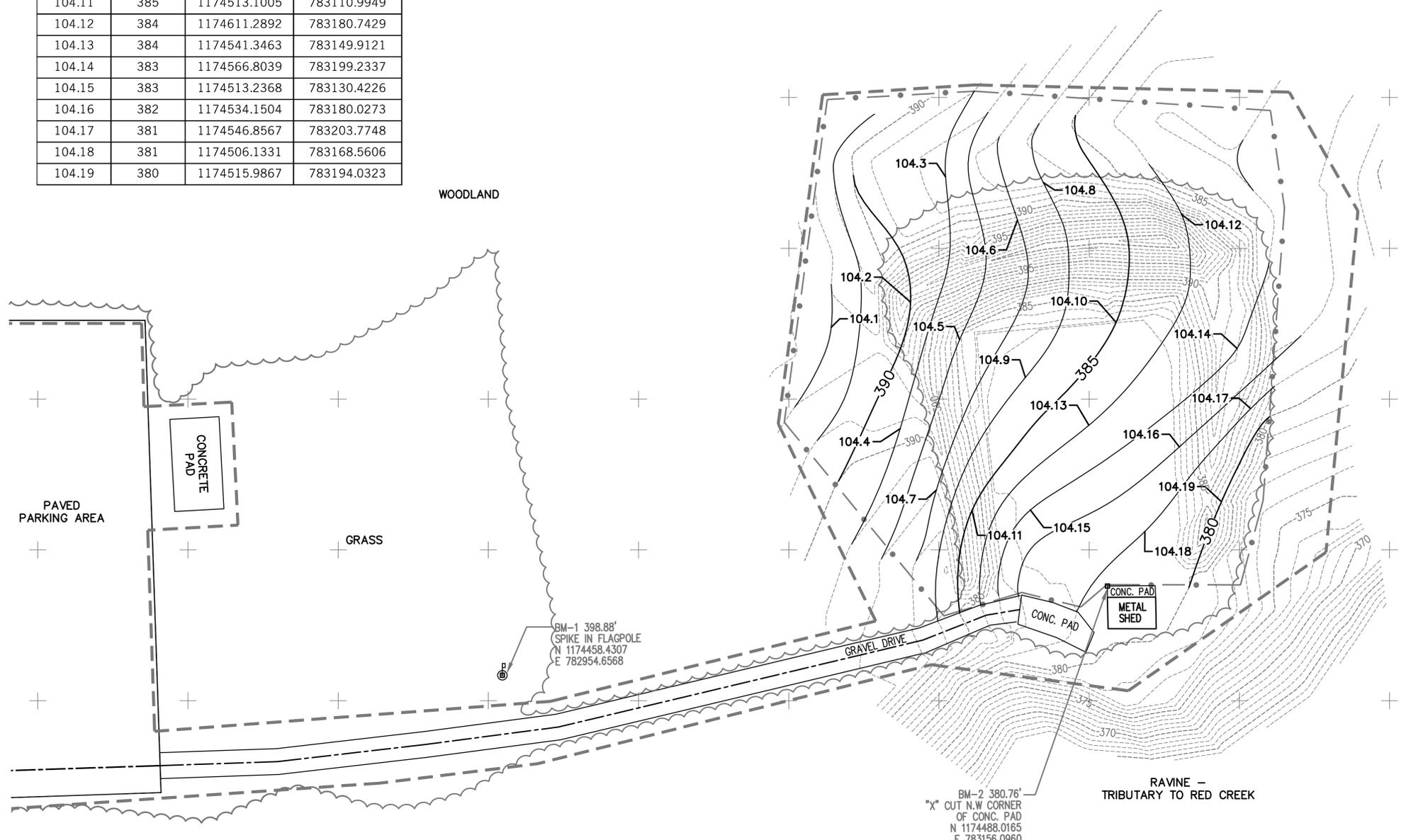
CLIENT: **DEPARTMENT OF CORRECTIONS
 AND COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	3/25/2016	FINAL SUBMISSION
	12/28/2015	100% SUBMISSION
	10/13/2015	65% SCHEMATIC
PROJECT NUMBER:	45227 - C	
DESIGNED BY:	B. PRZYBYL	
DRAWN BY:	A. KELLY	
FIELD CHECK:	B. PRZYBYL	
APPROVED:	S. FRANK	

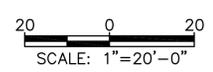
SHEET TITLE: **SITE FINAL GRADE PLAN**

DRAWING NUMBER: **C-104**

SHEET **6** OF **9**



SITE FINAL GRADE PLAN



Apr 04 2016 - 11:41 am
 J:\12-117-0285 OGS\Butler CF\CAD\FINAL\C-104.dwg
 36x24 PLOT SHEET

LOCATION	NORTHING	EASTING
105.1	1174478.1293	783101.5927
105.2	1174542.3122	783048.5215
105.3	1174649.3284	783062.7987
105.4	1174652.1034	783111.7651
105.5	1174645.6909	783210.3414
105.6	1174613.4035	783215.0213
105.7	1174516.4097	783207.9041
105.8	1174488.3967	783200.3798
105.9	1174488.4672	783155.8209
105.10	1174481.0706	783147.2221
105.11	1174485.8853	783127.5476

NOTES:

1. INSTALL EROSION AND SEDIMENTATION CONTROLS AS SHOWN AND AS NECESSARY TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM LEAVING THE SITE OR IMPACTING THE TRIBUTARY TO RED CREEK. INSTALL UP TO 440 LINEAR FEET OF SILT FENCE. DETAILS PROVIDED ON DRAWING C-501.
2. CLEAR AND GRUB AREAS SHOWN.

N



DESIGN & CONSTRUCTION

CONSULTANT



WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT: **CONSTRUCTION**

TITLE: **REMIEDIATE FIRING RANGE**

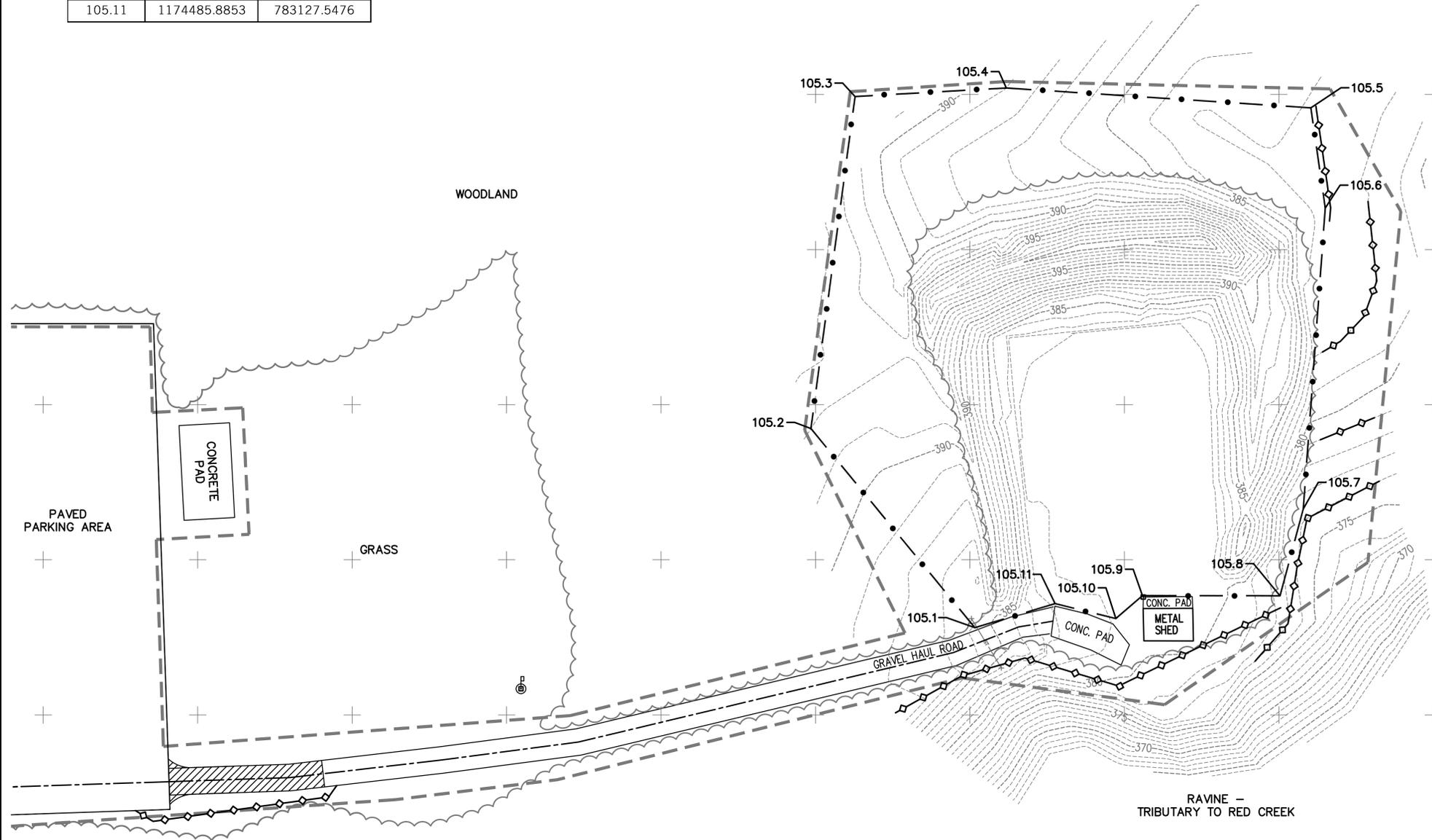
LOCATION: **BUTLER CORRECTIONAL FACILITY
WESTBURY CUTOFF ROAD
RED CREEK, NY**

CLIENT: **DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION**

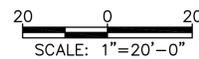
MARK	DATE	DESCRIPTION
	3/25/2016	FINAL SUBMISSION
	12/28/2015	100% SUBMISSION
	10/13/2015	65% SCHEMATIC
PROJECT NUMBER:	45227 - C	
DESIGNED BY:	B. PRZYBYL	
DRAWN BY:	A. KELLY	
FIELD CHECK:	B. PRZYBYL	
APPROVED:	S. FRANK	

SHEET TITLE:
EROSION AND SEDIMENTATION CONTROL AND GRUBBING AND CLEARING PLANS

DRAWING NUMBER:
C-105



EROSION AND SEDIMENTATION CONTROL AND GRUBBING AND CLEARING PLANS



LOCATION	NORTHING	EASTING
106.1	1174478.1293	783101.5927
106.2	1174542.3122	783048.5215
106.3	1174649.3284	783062.7987
106.4	1174652.1034	783111.7651
106.5	1174645.6909	783210.3414
106.6	1174613.4035	783215.0213
106.7	1174516.4097	783207.9041
106.8	1174488.3967	783200.3798
106.9	1174473.0028	783172.6982
106.10	1174472.9582	783152.5685
106.11	1174481.0706	783147.2221
106.12	1174485.8853	783127.5476

NOTES:

1. PROVIDE AND PLACE 4-INCHES OF TOPSOIL IN AREAS SHOWN. SEED, FERTILIZE, AND MULCH.
2. REPAIR ALL GROUND DISTURBED BY CONSTRUCTION ACTIVITY BY PROVIDING AND PLACING TOPSOIL, SEED, FERTILIZER AND MULCH.
3. SITE RESTORATION DETAIL PROVIDED ON DRAWING C-501.

N



DESIGN & CONSTRUCTION

CONSULTANT



WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT: **CONSTRUCTION**

TITLE: **REMEDIATE FIRING RANGE**

LOCATION: **BUTLER CORRECTIONAL FACILITY
WESTBURY CUTOFF ROAD
RED CREEK, NY**

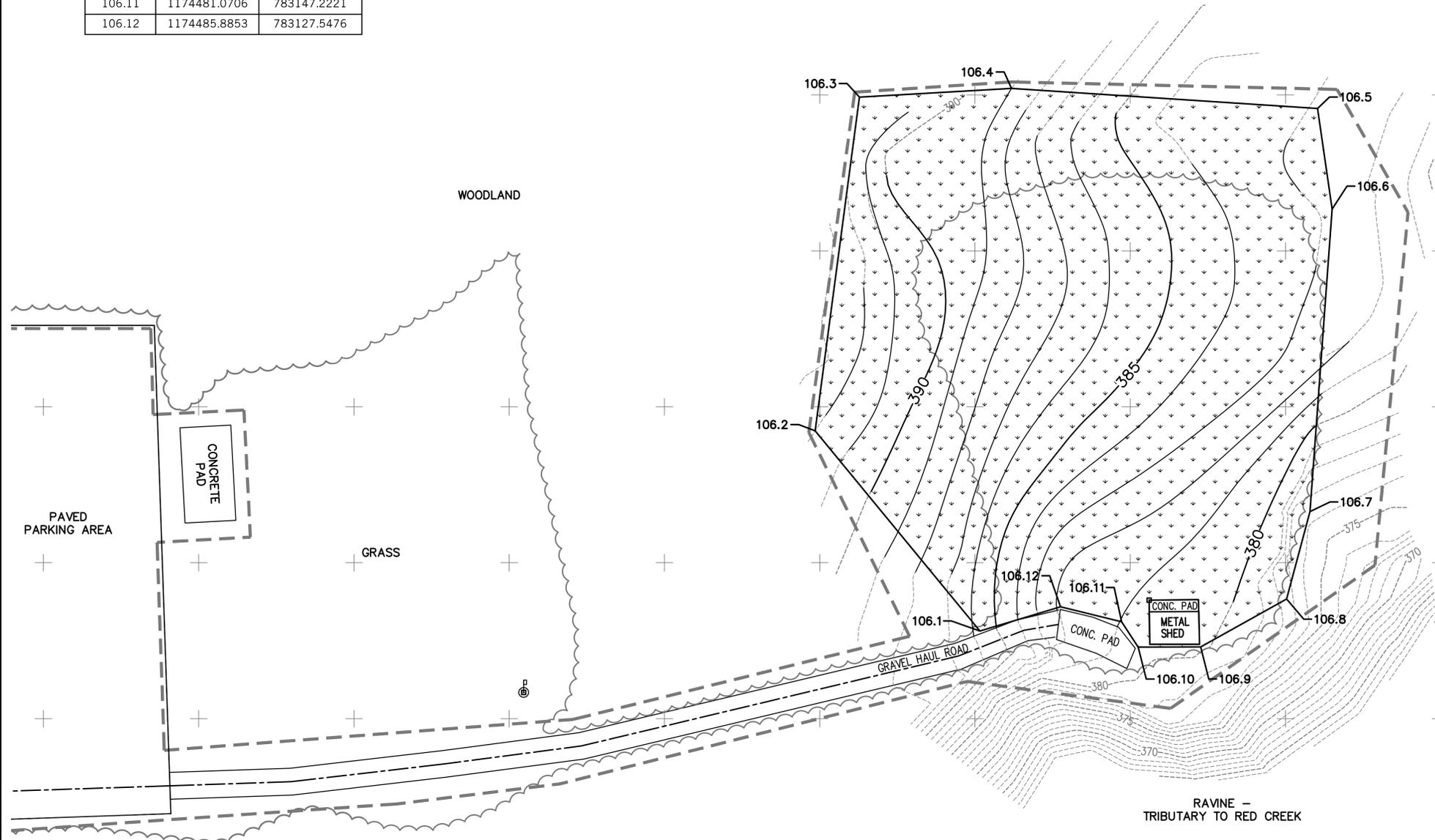
CLIENT: **DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	3/25/2016	FINAL SUBMISSION
	12/28/2015	100% SUBMISSION
	10/13/2015	65% SCHEMATIC
PROJECT NUMBER:	45227 - C	
DESIGNED BY:	B. PRZYBYL	
DRAWN BY:	A. KELLY	
FIELD CHECK:	B. PRZYBYL	
APPROVED:	S. FRANK	

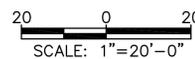
SHEET TITLE: **RESTORATION AND SEEDING**

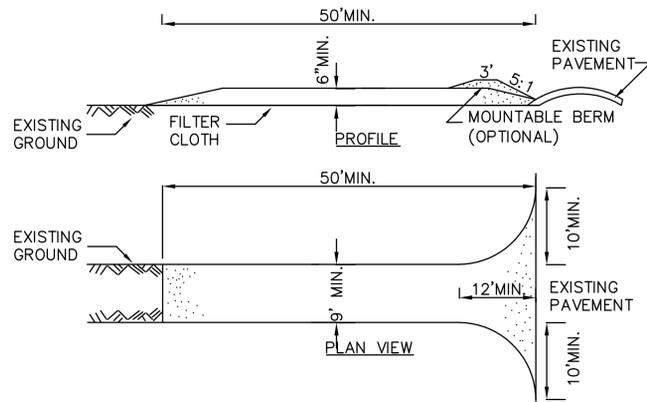
DRAWING NUMBER: **C-106**

SHEET **8** OF **9**



RESTORATION AND SEEDING PLAN

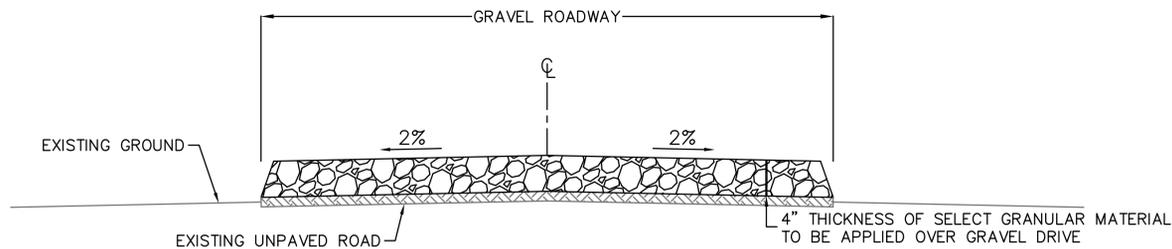
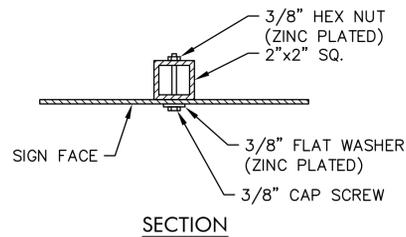




STABILIZED CONSTRUCTION ENTRANCE - NTS

CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE – USE No. 2 COARSE AGGREGATE.
2. LENGTH – NOT LESS THAN 50 FEET.
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.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF AGGREGATE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. TRUCK WASHING IS REQUIRED TO THE EXTENT NECESSARY TO PREVENT VEHICLES LEAVING THE SITE FROM TRACKING SOIL, SEDIMENT, MUD, STONES, AND OTHER MATERIAL ONTO ROADS AND OFF-SITE PAVEMENTS..
9. MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN TO THE EXTENT THAT NOTES 6, 7, AND 8 CAN CONTINUE TO BE ACHIEVED BY THE STABILIZED CONSTRUCTION ENTRANCE.
10. SUPPLY POTABLE WATER FOR TRUCK WASHING. THE COST OF PROVIDING POTABLE WATER INCLUDING HYDRANT PERMITS, FEES, AND MEANS OF CONVEYANCE SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.



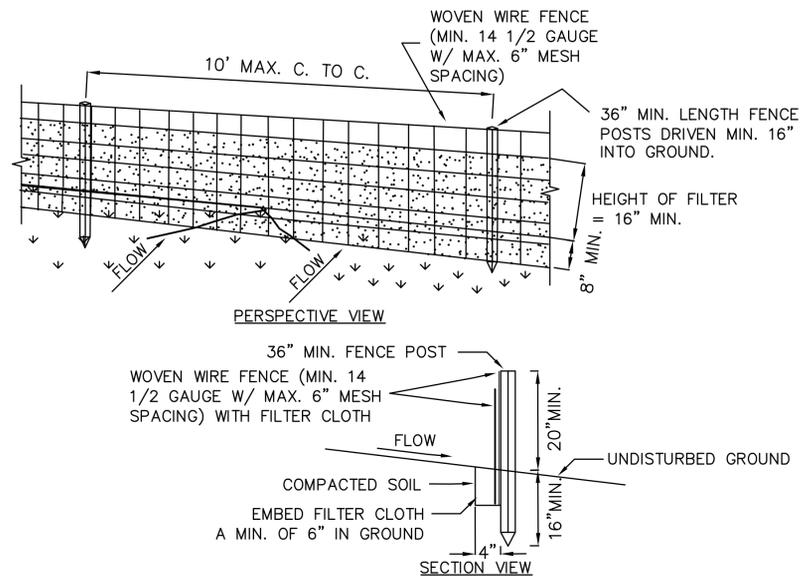
GRAVEL HAUL ROAD IMPROVEMENT - NTS

1. STONE SIZE – USE SELECT GRANULAR MATERIAL
2. LENGTH AND THICKNESS – PLACE OVER ENTIRE LENGTH OF GRAVEL DRIVE HAUL ROUTE. 4-INCH THICK LAYER OF GRAVEL TO BE APPLIED.
3. WIDTH – CONFORM TO WIDTH OF EXISTING UNPAVED ROAD, ASSUMED TO BE A MINIMUM OF 9 FEET.

NOTE:

1. PROVIDE SIGN AS SHOWN, GROUND MOUNT, SINGLE POST.

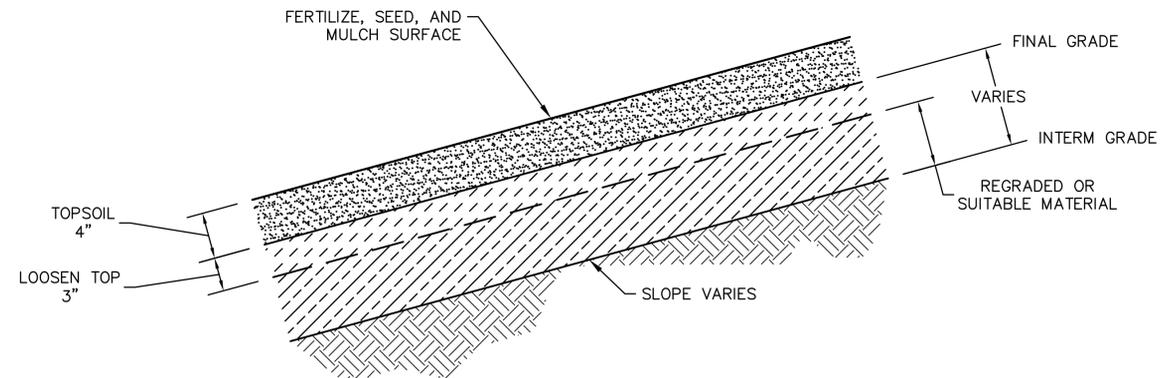
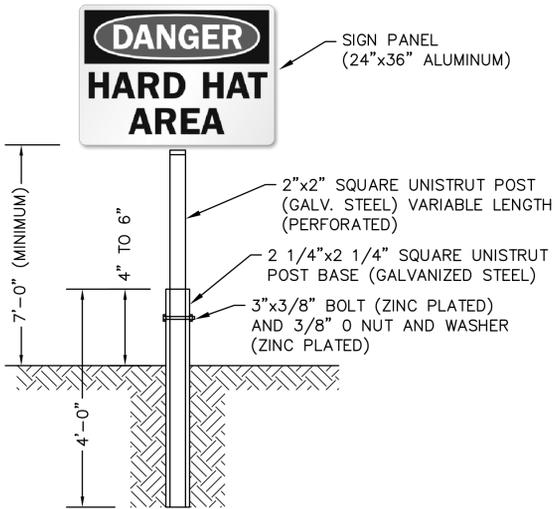
HARD HAT AREA SIGN DETAIL - NTS



SILT FENCE - NTS

CONSTRUCTION SPECIFICATIONS:

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 TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 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, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



SITE RESTORATION DETAIL - NTS



WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



CONTRACT:

CONSTRUCTION

TITLE: REMEDIATE FIRING RANGE

LOCATION: BUTLER CORRECTIONAL FACILITY
WESTBURY CUTOFF ROAD
RED CREEK, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
	3/25/2016	FINAL SUBMISSION
	12/28/2015	100% SUBMISSION
	10/13/2015	65% SCHEMATIC
PROJECT NUMBER:	45227 - C	
DESIGNED BY:	B. PRZYBYL	
DRAWN BY:	A. KELLY	
FIELD CHECK:	B. PRZYBYL	
APPROVED:	S. FRANK	
SHEET TITLE:	EROSION AND SEDIMENT CONTROL AND MISCELLANEOUS DETAILS	
DRAWING NUMBER:	C-501	

REMEDiate FIRING RANGE

BUTLER CORRECTIONAL FACILITY WESTBURY CUTOFF ROAD RED CREEK, NEW YORK

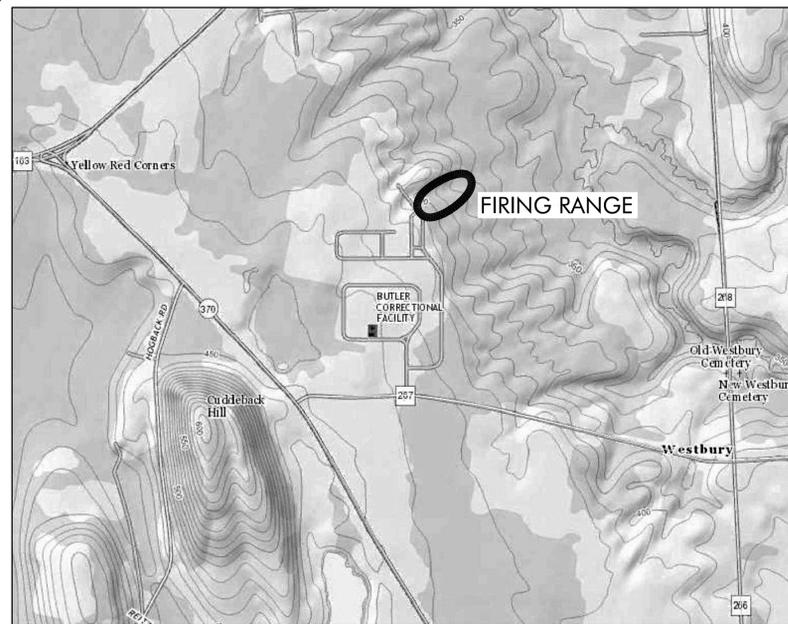
O.G.S. PROJECT NO. 45227-C

FEBRUARY 2, 2016

INDEX OF DRAWINGS

CONSTRUCTION

G-001	INDEX OF DRAWINGS
C-001	NOTES, LEGEND AND ABBREVIATIONS
C-101	SITE AREA, EXISTING GRADE AND HAUL ROUTE
C-102	REMOVALS PLAN
C-103	CONTAMINATED SOIL EXCAVATION AND REMEDIATION PLAN AND ELEVATIONS
C-104	SITE FINAL GRADE PLAN
C-105	EROSION AND SEDIMENTATION CONTROL AND GRUBBING AND CLEARING PLANS
C-106	RESTORATION AND SEEDING
C-501	EROSION AND SEDIMENT CONTROL AND MISCELLANEOUS DETAILS



KEY PLAN

NEW YORK STATE
DEPARTMENT OF
CORRECTIONS AND
COMMUNITY SUPERVISION



ANTHONY J. ANNUCCI
Acting Commissioner



**Office of
General Services**

DESIGN & CONSTRUCTION



G-001