



QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

WESTCHESTER COUNTY, NEW YORK

DRAWING LIST				
SHEET NO.	DRAWING NO.	TITLE	50% CD	100% CD
1	T-001	TITLE SHEET	X	X
2	S-101	EXISTING SITE PLAN	X	X
3	S-102	SITE ACCESS AND MPT PLAN		X
4	S-103	SITE ACCESS PLAN ENLARGEMENT		X
5	S-104	SITE PREPARATION PLAN	X	X
6	S-105	TREE REMOVAL IMAGES	X	X
7	G-101	SUBGRADE PREPARATION PLAN	X	X
8	G-102	CAPPING PLAN	X	X
9	G-103	FINAL GRADING PLAN	X	X
10	G-401	NOTES AND DETAILS	X	X
11	C-101	DRAINAGE CONVEYANCE PLAN	X	X
12	C-102	WATERSHED PLAN (FOR REFERENCE ONLY)	X	X
13	C-103	EROSION CONTROL PLAN		X
14	C-401	DRAINAGE DETAILS	X	X
15	C-402	EROSION CONTROL DETAILS I		X
16	C-403	EROSION CONTROL DETAILS II		X
17	L-101	SITE LAYOUT AND MATERIALS PLAN	X	X
18	L-102	SOILS PLAN	X	X
19	L-103	PLANTING PLAN	X	X
20	L-401	SITE SECTIONS	X	X
21	L-402	SITE DETAILS	X	X
22	L-403	PLANTING DETAILS	X	X

Project:

QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

Client:

Village of Hastings-on-Hudson
7 Maple Avenue
Hastings-on-Hudson, NY 10706

Prepared by:

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Location Plan:

NOT FOR CONSTRUCTION

Seal:

Submissions:

Date:	Type:
23 05 2017	50% Construction Documents
17 10 2017	100% Construction Documents for Village Review
25 10 2018	Issue for Bidding

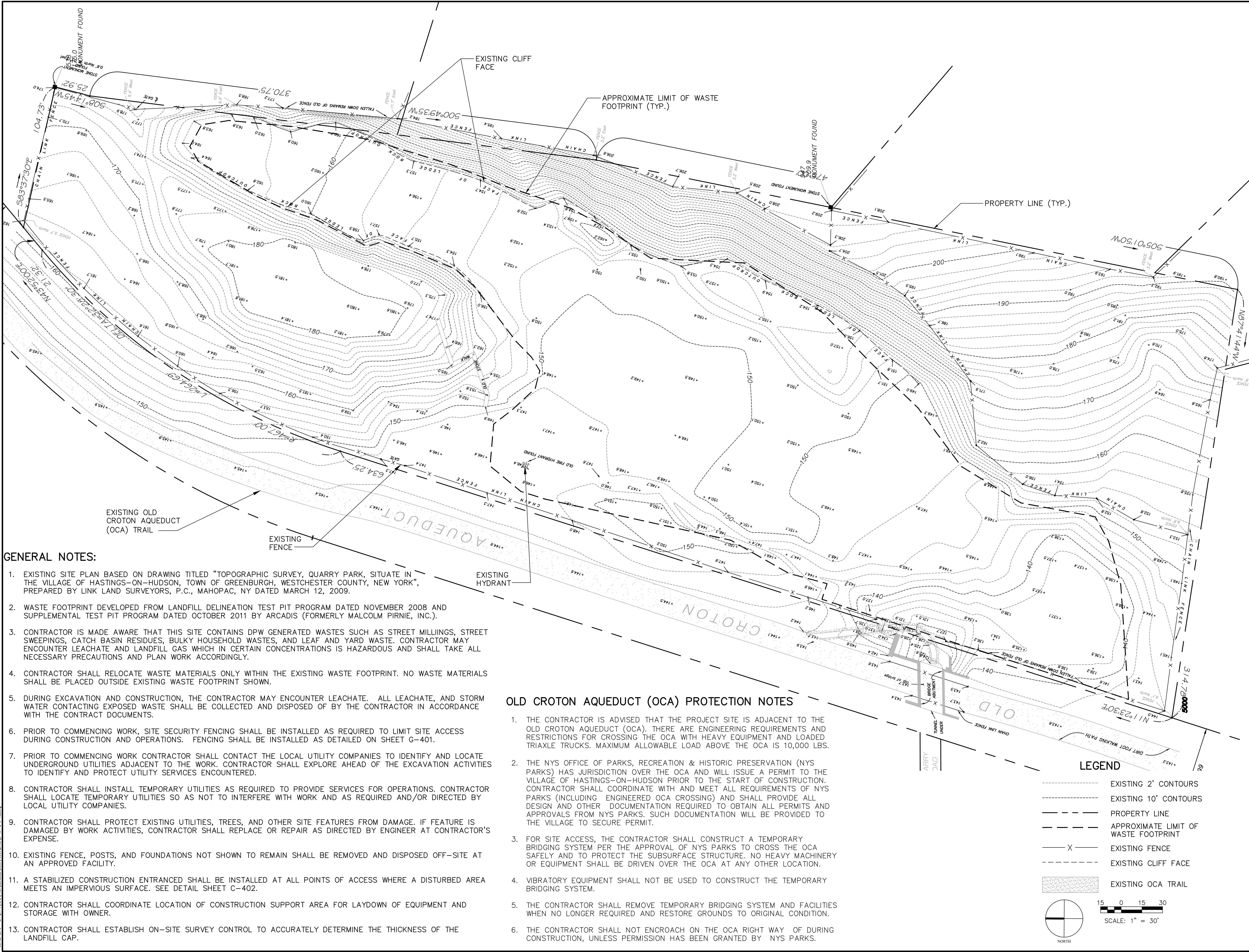
Project Phase:

100% CONSTRUCTION DOCUMENTS
ISSUE FOR BIDDING

Drawing Title:

TITLE SHEET

Scale:	NTS	Date:	25 OCTOBER 2018
Drawn By:	EVG	Sheet No:	1 OF 22
Checked By:	KM	Drawing No:	T-001
MNLA Project No:	17-935		



GENERAL NOTES:

- EXISTING SITE PLAN BASED ON DRAWING TITLED "TOPOGRAPHIC SURVEY, QUARRY PARK, SITUATE IN THE VILLAGE OF HASTINGS-ON-HUDSON, TOWN OF GREENBURGH, WESTCHESTER COUNTY, NEW YORK", PREPARED BY LINK LAND SURVEYORS, P.C., MAHOPAC, NY DATED MARCH 12, 2009.
- WASTE FOOTPRINT DEVELOPED FROM LANDFILL DELINEATION TEST PIT PROGRAM DATED NOVEMBER 2008 AND SUPPLEMENTAL TEST PIT PROGRAM DATED OCTOBER 2011 BY ARCADIS (FORMERLY MALCOLM PIRNIE, INC.).
- CONTRACTOR IS MADE AWARE THAT THIS SITE CONTAINS DPW GENERATED WASTES SUCH AS STREET MILLINGS, STREET SWEEPINGS, CATCH BASIN RESIDUES, BULKY HOUSEHOLD WASTES, AND LEAF AND YARD WASTE. CONTRACTOR MAY ENCOUNTER LEACHATE AND LANDFILL GAS WHICH IN CERTAIN CONCENTRATIONS IS HAZARDOUS AND SHALL TAKE ALL NECESSARY PRECAUTIONS AND PLAN WORK ACCORDINGLY.
- CONTRACTOR SHALL RELOCATE WASTE MATERIALS ONLY WITHIN THE EXISTING WASTE FOOTPRINT. NO WASTE MATERIALS SHALL BE PLACED OUTSIDE EXISTING WASTE FOOTPRINT SHOWN.
- DURING EXCAVATION AND CONSTRUCTION, THE CONTRACTOR MAY ENCOUNTER LEACHATE. ALL LEACHATE, AND STORM WATER CONTACTING EXPOSED WASTE SHALL BE COLLECTED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- PRIOR TO COMMENCING WORK, SITE SECURITY FENCING SHALL BE INSTALLED AS REQUIRED TO LIMIT SITE ACCESS DURING CONSTRUCTION AND OPERATIONS. FENCING SHALL BE INSTALLED AS DETAILED ON SHEET G-401.
- PRIOR TO COMMENCING WORK CONTRACTOR SHALL CONTACT THE LOCAL UTILITY COMPANIES TO IDENTIFY AND LOCATE UNDERGROUND UTILITIES ADJACENT TO THE WORK. CONTRACTOR SHALL EXPLORE AHEAD OF THE EXCAVATION ACTIVITIES TO IDENTIFY AND PROTECT UTILITY SERVICES ENCOUNTERED.
- CONTRACTOR SHALL INSTALL TEMPORARY UTILITIES AS REQUIRED TO PROVIDE SERVICES FOR OPERATIONS. CONTRACTOR SHALL LOCATE TEMPORARY UTILITIES SO AS NOT TO INTERFERE WITH WORK AND AS REQUIRED AND/OR DIRECTED BY LOCAL UTILITY COMPANIES.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES, TREES, AND OTHER SITE FEATURES FROM DAMAGE. IF FEATURE IS DAMAGED BY WORK ACTIVITIES, CONTRACTOR SHALL REPLACE OR REPAIR AS DIRECTED BY ENGINEER AT CONTRACTOR'S EXPENSE.
- EXISTING FENCE, POSTS, AND FOUNDATIONS NOT SHOWN TO REMAIN SHALL BE REMOVED AND DISPOSED OFF-SITE AT AN APPROVED FACILITY.
- A STABILIZED CONSTRUCTION ENTRANCED SHALL BE INSTALLED AT ALL POINTS OF ACCESS WHERE A DISTURBED AREA MEETS AN IMPERVIOUS SURFACE. SEE DETAIL SHEET C-402.
- CONTRACTOR SHALL COORDINATE LOCATION OF CONSTRUCTION SUPPORT AREA FOR LAYDOWN OF EQUIPMENT AND STORAGE WITH OWNER.
- CONTRACTOR SHALL ESTABLISH ON-SITE SURVEY CONTROL TO ACCURATELY DETERMINE THE THICKNESS OF THE LANDFILL CAP.

OLD CROTON AQUEDUCT (OCA) PROTECTION NOTES

- THE CONTRACTOR IS ADVISED THAT THE PROJECT SITE IS ADJACENT TO THE OLD CROTON AQUEDUCT (OCA). THERE ARE ENGINEERING REQUIREMENTS AND RESTRICTIONS FOR CROSSING THE OCA WITH HEAVY EQUIPMENT AND LOADED TRIAXLE TRUCKS. MAXIMUM ALLOWABLE LOAD ABOVE THE OCA IS 10,000 LBS.
- THE NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION (NYS PARKS) HAS JURISDICTION OVER THE OCA AND WILL ISSUE A PERMIT TO THE VILLAGE OF HASTINGS-ON-HUDSON PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH AND MEET ALL REQUIREMENTS OF NYS PARKS (INCLUDING ENGINEERED OCA CROSSING) AND SHALL PROVIDE ALL DESIGN AND OTHER DOCUMENTATION REQUIRED TO OBTAIN ALL PERMITS AND APPROVALS FROM NYS PARKS. SUCH DOCUMENTATION WILL BE PROVIDED TO THE VILLAGE TO SECURE PERMIT.
- FOR SITE ACCESS, THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY BRIDGING SYSTEM PER THE APPROVAL OF NYS PARKS TO CROSS THE OCA SAFELY AND TO PROTECT THE SUBSURFACE STRUCTURE. NO HEAVY MACHINERY OR EQUIPMENT SHALL BE DRIVEN OVER THE OCA AT ANY OTHER LOCATION.
- VIBRATORY EQUIPMENT SHALL NOT BE USED TO CONSTRUCT THE TEMPORARY BRIDGING SYSTEM.
- THE CONTRACTOR SHALL REMOVE TEMPORARY BRIDGING SYSTEM AND FACILITIES WHEN NO LONGER REQUIRED AND RESTORE GROUNDS TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL NOT ENCR OACH ON THE OCA RIGHT WAY OF DURING CONSTRUCTION, UNLESS PERMISSION HAS BEEN GRANTED BY NYS PARKS.

Project:

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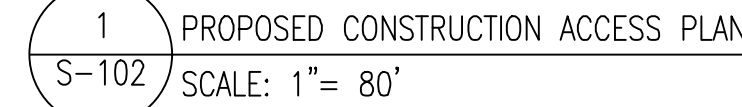
EXISTING SITE PLAN

Scale:	AS NOTED	Date:	25 OCTOBER 2018
Drawn By:	TT	Sheet No:	2 of 22
Checked By:	JMJ	Drawing No:	

MNLA Project No:

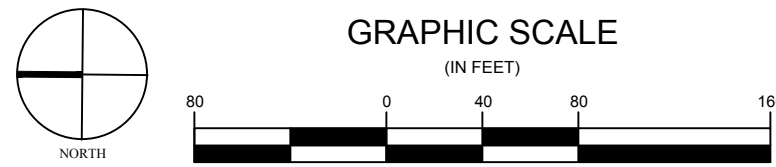
17-935

S-101



1. ALL MAINTENANCE AND PROTECTION OF TRAFFIC WORK (WORK ZONE TRAFFIC CONTROL) SHALL CONFORM TO THE LATEST FEDERAL HIGHWAYS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE NYS SUPPLEMENT TO THE MUTCD.
2. TO PERMIT VISIBILITY AT INTERSECTIONS, ALL BARRICADES SHALL NOT HINDER PEDESTRIAN OR VEHICULAR SIGHT LINES. SIMILARLY, NO SHEETING SHALL EXTEND HIGHER THEN 24" ABOVE PAVEMENT LEVEL WITHIN 50 FEET OF AN INTERSECTION.
3. ACCORDING TO JUDGEMENT OF THE OWNER'S REPRESENTATIVE, ANY CONDITIONS THAT WARRANT MODIFICATIONS TO THE SCHEMES SHOWN ON APPROVED MAINTENANCE AND PROTECTION OF TRAFFIC DRAWINGS SHALL BE MADE BY THE CONTRACTOR AS ORDERED BY THE VILLAGE.
4. CONSTRUCTION SIGNS SHALL BE POSTED ONLY WHILE WORK IS IN PROGRESS. CONSTRUCTION SIGNS HAVING CENTER HINGED SIGN PANELS OR HAVING FOLDING PORTABLE SIGN SUPPORTS SHALL BE FOLDED DOWN WHEN THE WORK THEY PERTAIN TO IS NOT IN PROGRESS. OTHER CONSTRUCTION SIGNS WHICH OTHERWISE CANNOT BE FOLDED DOWN SHALL BE REMOVED OR COVERED AS ORDERED BY THE VILLAGE.
5. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE PEDESTRIAN CROSSING AT EACH INTERSECTION OR AS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE. PEDESTRIANS SHALL BE PROTECTED FROM ALL EXCAVATION AREAS THROUGH THE USE OF AN APPROVED, TEMPORARY FENCE OR OTHER TEMPORARY DEVICE APPROVED BY THE VILLAGE. COST TO BE INCLUDED IN THE PRICES BID FOR ALL SCHEDULED ITEMS.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR LOCAL AND EMERGENCY TRAFFIC AT ALL TIMES. THE CONTRACTOR SHALL BE REQUIRED TO MOVE AND RESTORE BARRICADES AS ORDERED BY THE VILLAGE FOR LOCAL AND EMERGENCY ACCESS.
7. ACCESS TO ALL ABUTTING PROPERTIES, ENTRANCES AND EXITS FROM DWELLINGS, EMERGENCY EXITS AND PEDESTRIAN USAGE OF CROSSWALK, SIDEWALK, OR TRAIL AREAS, BOTH NEW AND EXISTING, SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL PROVIDE ACCESS/EGRESS ON A "DEMAND" BASIS AS REQUIRED AND DIRECTED BY THE VILLAGE, AND SHALL PROVIDE SMOOTH RAMPS FOR LOCAL AND EMERGENCY TRAFFIC AT ALL TIMES IN WORK AREAS.
8. THE EXACT LOCATION, SIZE, WORDING AND DETAILS OF ALL SIGNS, PANELS, MOUNTINGS AND OTHER DEVICES SHALL BE APPROVED BY THE VILLAGE.
9. THE CONTRACTOR IS REQUIRED TO INSTALL AND REMOVE, NOT PAINT OVER, ALL TEMPORARY PAVEMENT MARKINGS.
10. THE CONTRACTOR SHALL MAKE REPAIRS TO ROADWAY SURFACES OR PLACE AN ADDITIONAL OVERLAY OF BINDER MIXTURE WHERE DIRECTED AND APPROVED BY THE VILLAGE.
11. NOTWITHSTANDING PROVISIONS HEREIN CONTAINED IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT MINOR ADDITIONAL MEASURES NECESSARY TO PROVIDE FOR AND MAINTAIN THE SAFETY OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING CONSTRUCTION. THE PROVISION AND USE OF SUPPLIES SUCH AS TRAFFIC CONES, HIGH VISIBILITY RIBBONS AND FLAGS WHERE NECESSARY OR DIRECTED BY THE VILLAGE, SHALL BE CONSIDERED AS MINOR AND INCIDENTAL ITEMS. PAYMENT TO BE INCLUDED IN THE PRICE BID FOR ALL SCHEDULED ITEMS.
12. IN THE EVENT OF SIMULTANEOUS CONSTRUCTION BY OTHERS IN CLOSE PROXIMITY TO THE WORK AREA, RESULTING IN OVERLAP OF SIGNAGE, THE VILLAGE WILL MAKE A FINAL DECISION ON WHICH SIGNS TO REMAIN, WHERE TO PLACE THEM, OR WHICH TO TEMPORARILY COVER.
13. THE CONTRACTOR SHALL EMPLOY AND ASSIGN CROSSING GUARDS TO ASSIST IN CONTROLLING THE FLOW OF TRAFFIC, DELIVERY/REMOVAL OF MATERIALS, LIFTING OF OPERATIONS, EXCAVATION OPERATIONS AND OTHER ACTIVITIES AS REQUIRED AND DIRECTED BY THE VILLAGE.

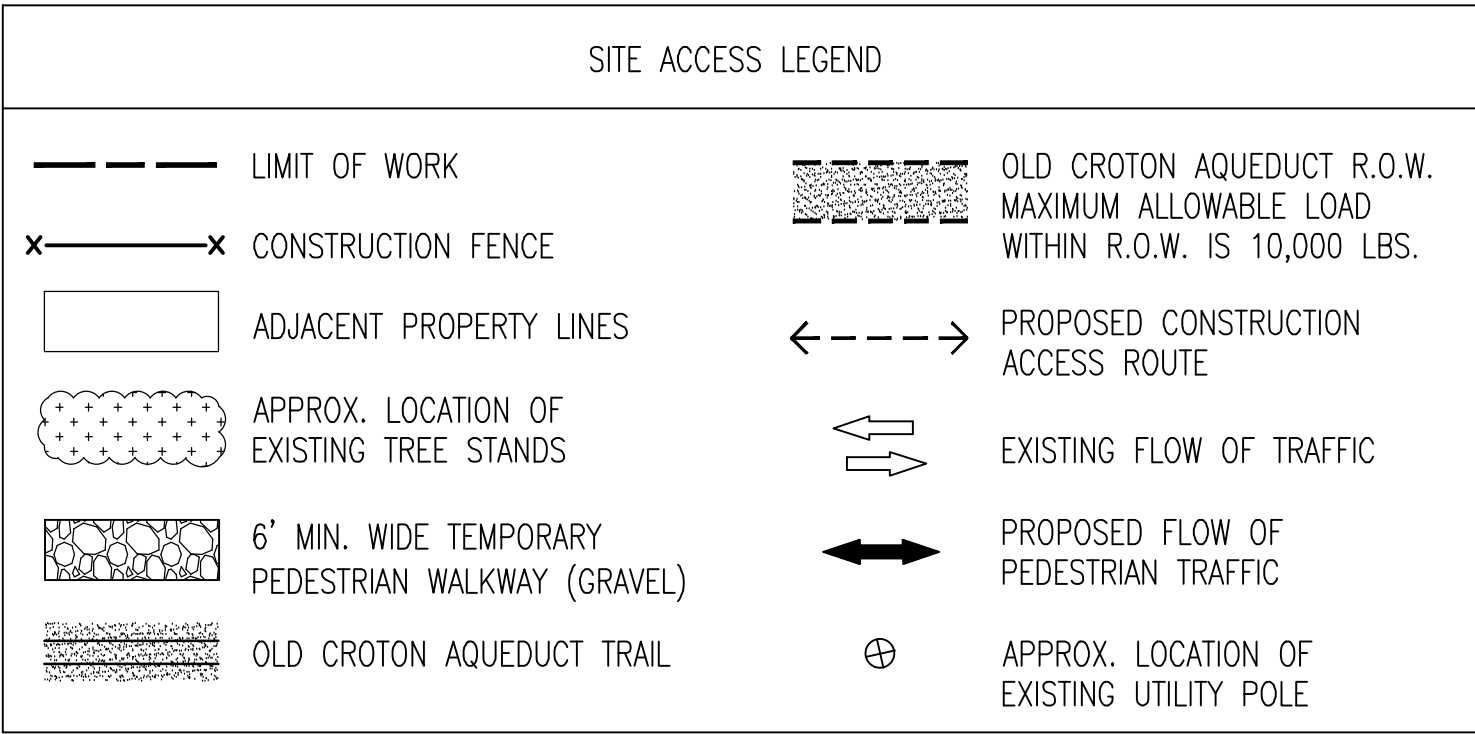
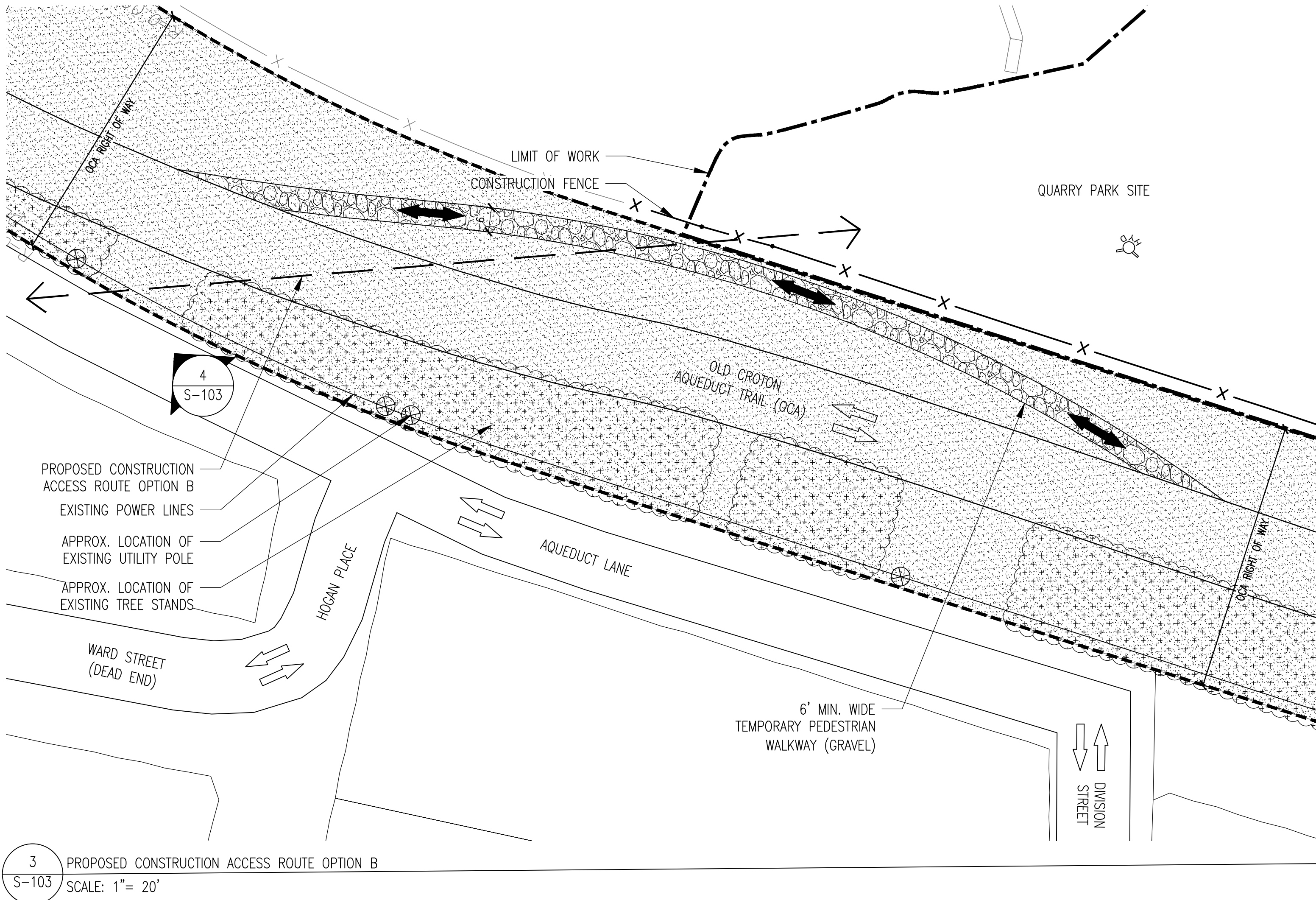
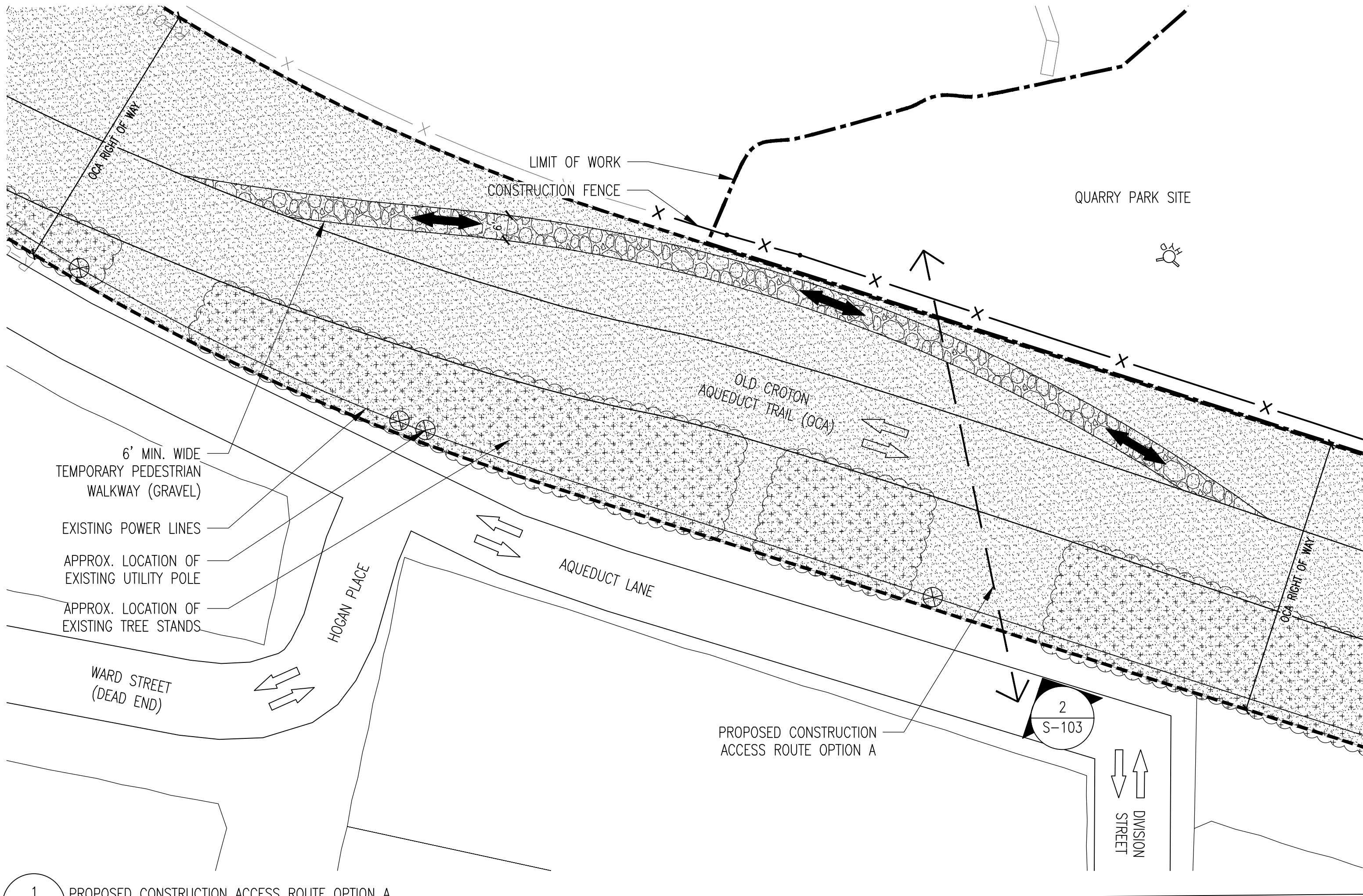
24. ALL TRAFFIC AND PEDESTRIAN SIGNALS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES.
25. REFER TO SPECIFICATION SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS, FOR ADDITIONAL INFORMATION.



NOT FOR CONSTRUCTION

Scale: 1"= 80'-0"	Date: 25 OCTOBER 2018
Drawn By: EVG	Sheet No: 3 OF 22
Checked By: KM	Drawing No: S-102
MNLA Project No: 17-935	

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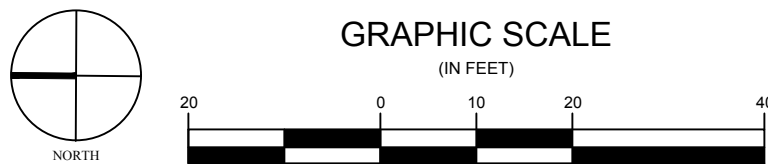
2
S-103
VIEW OF PROPOSED CONSTRUCTION ACCESS ROUTE OPTION A
SCALE: NTS



4
S-103
VIEW OF PROPOSED CONSTRUCTION ACCESS ROUTE OPTION B
SCALE: NTS

NOTE:

1. SEE S-101 EXISTING SITE PLAN FOR OLD CROTON AQUEDUCT (OCA) PROTECTION NOTES.



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100% CONSTRUCTION DOCUMENTS
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Drawing Title:

SITE ACCESS PLAN ENLARGEMENT

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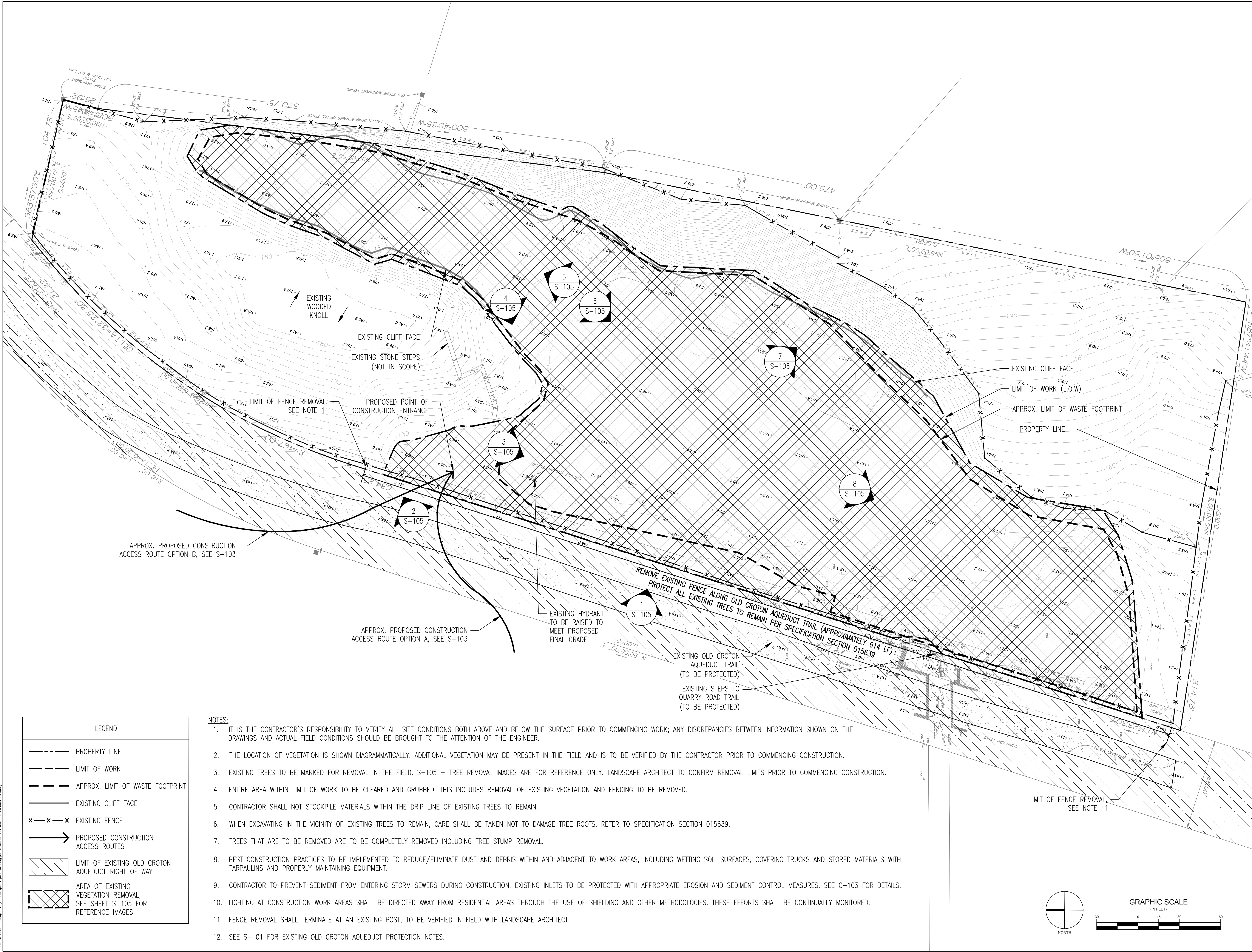
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MNLA Project No:
17-935

S-103

Oct 19 2018 - 4:23pm M:\17-250 Quarry Park cadd\Map\08-mnla\S-104 SITE PREPARATION PLAN.dwg



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Type:

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100% Construction Documents for Village Review

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100% CONSTRUCTION DOCUMENTS
ISSUE FOR BIDDING

SITE PREPARATION PLAN

1"=30'-0"

25 OCTOBER 2018

EVG

KM

17-935

Sheet No:

Drawing No:

S-104



- NOTES:
1. WHITE "X'S INDICATE PROPOSED TREE REMOVAL BASED ON LANDSCAPE ARCHITECT'S 04/19/2017 SITE VISIT.
 2. EXISTING TREE REMOVAL IMAGES ARE DIAGRAMMATIC ONLY AND ILLUSTRATE THE RANGE IN CALIPER AND LOCATION OF PROPOSED TREE REMOVALS. THEY ARE NOT TO BE USED FOR TREE REMOVAL COUNTS.
 3. TREES MARKED FOR REMOVAL MAY APPEAR IN MULTIPLE IMAGES.
 4. SEE S-104 – SITE PREPARATION PLAN FOR FULL REMOVAL EXTENTS.

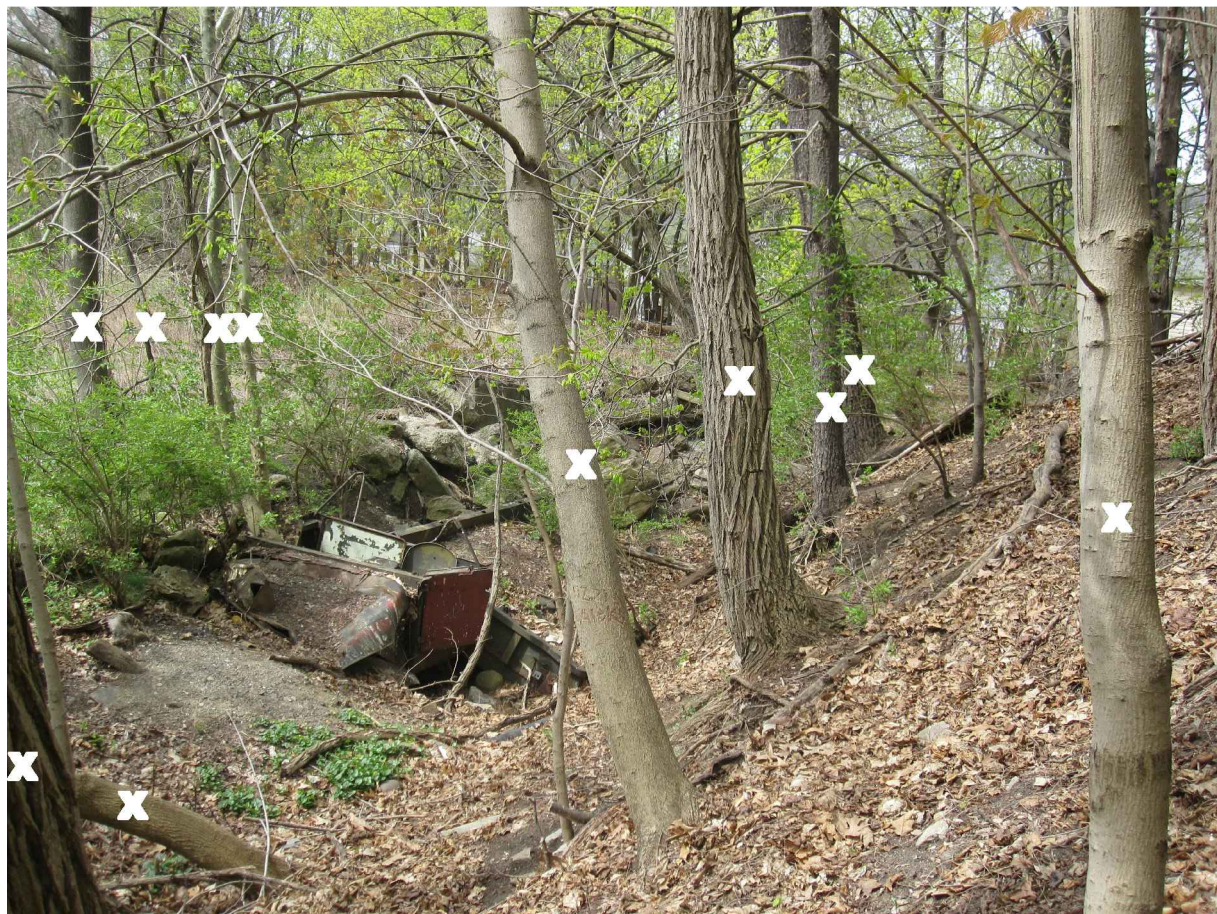
1 EXISTING TREE REMOVAL VIEW 1
S-105 SCALE: NTS



2 EXISTING TREE REMOVAL VIEW 2
S-105 SCALE: NTS



3 EXISTING TREE REMOVAL VIEW 3
S-105 SCALE: NTS



4 EXISTING TREE REMOVAL VIEW 4
S-105 SCALE: NTS



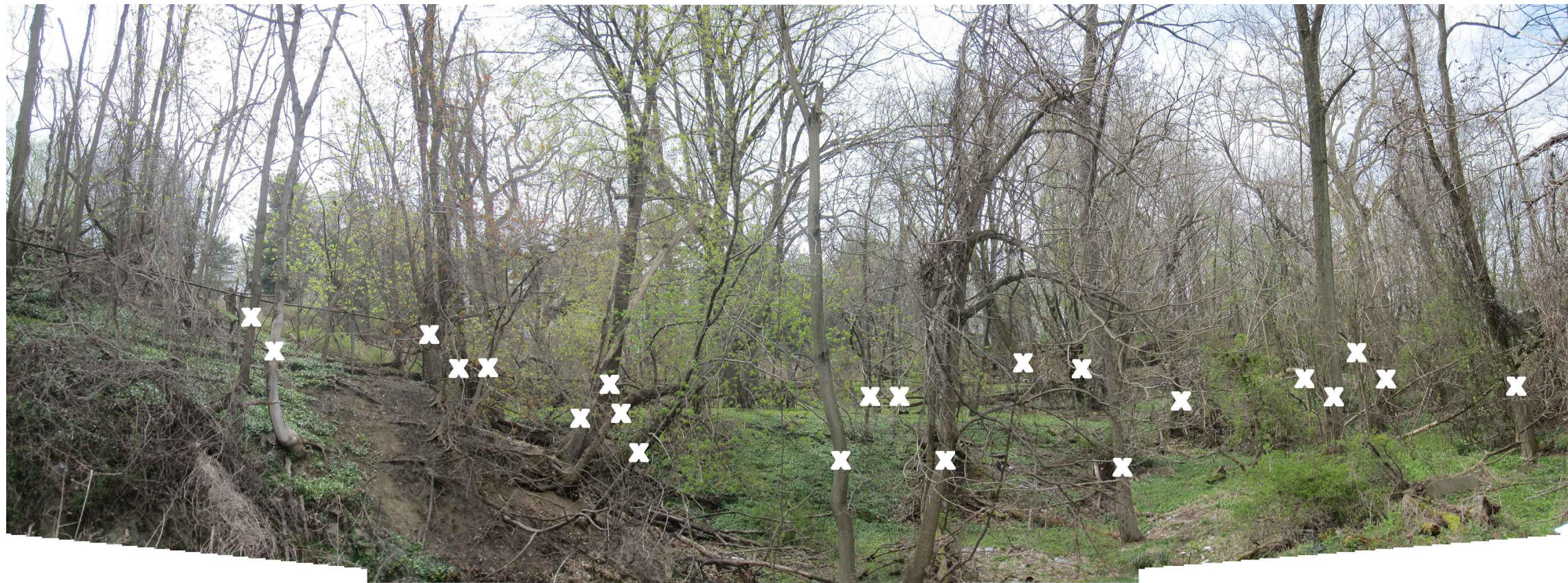
5 EXISTING TREE REMOVAL VIEW 5
S-105 SCALE: NTS



6 EXISTING TREE REMOVAL VIEW 6
S-105 SCALE: NTS



7 EXISTING TREE REMOVAL VIEW 7
S-105 SCALE: NTS



8 EXISTING TREE REMOVAL VIEW 8
S-105 SCALE: NTS

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TREE REMOVAL IMAGES

Scale:

NTS

Date:

25 OCTOBER 2018

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EVG

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6 OF 22

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KM

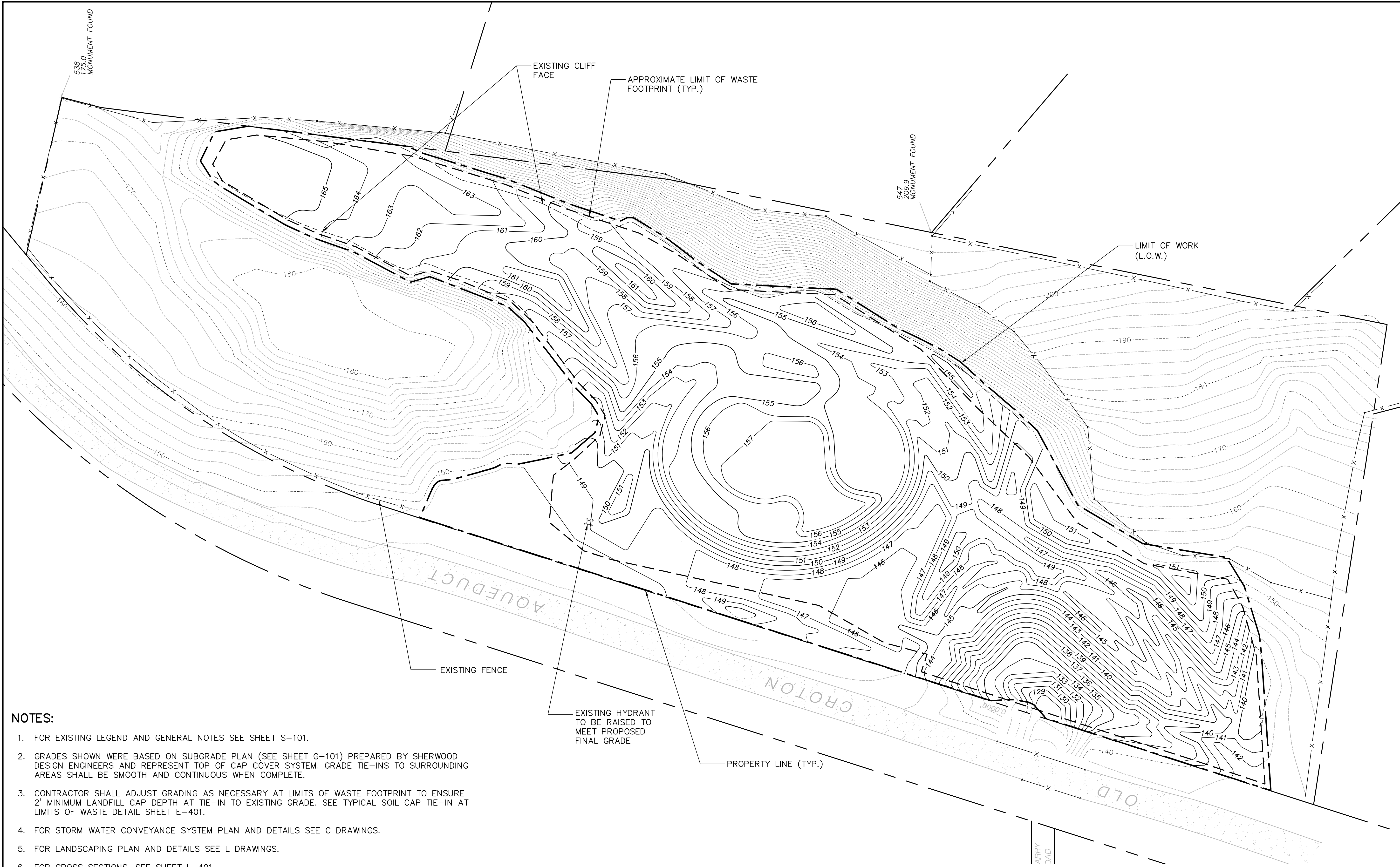
Drawing No:

S-105

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G-101

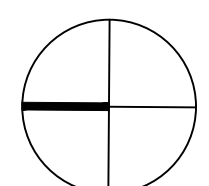


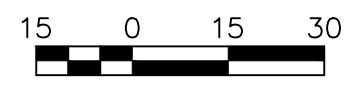
- NOTES:**
- FOR EXISTING LEGEND AND GENERAL NOTES SEE SHEET S-101.
 - GRADES SHOWN WERE BASED ON SUBGRADE PLAN (SEE SHEET G-101) PREPARED BY SHERWOOD DESIGN ENGINEERS AND REPRESENT TOP OF CAP COVER SYSTEM. GRADE TIE-INS TO SURROUNDING AREAS SHALL BE SMOOTH AND CONTINUOUS WHEN COMPLETE.
 - CONTRACTOR SHALL ADJUST GRADING AS NECESSARY AT LIMITS OF WASTE FOOTPRINT TO ENSURE 2' MINIMUM LANDFILL CAP DEPTH AT TIE-IN TO EXISTING GRADE. SEE TYPICAL SOIL CAP TIE-IN AT LIMITS OF WASTE DETAIL SHEET E-401.
 - FOR STORM WATER CONVEYANCE SYSTEM PLAN AND DETAILS SEE C DRAWINGS.
 - FOR LANDSCAPING PLAN AND DETAILS SEE L DRAWINGS.
 - FOR CROSS SECTIONS, SEE SHEET L-401.
 - THE LIMITS OF WASTE SHOWN SHALL BE THE LIMITS OF CAP CONSTRUCTION.
 - MINIMUM SLOPE SHALL BE 2%; MAXIMUM SLOPE SHALL BE 33.3% (3H:1V) WITHIN CAPPED AREAS.
 - CONTRACTOR SHALL GRADE SURFACE TO PREVENT PONDING.
 - PRIOR TO START OF CAP CONSTRUCTION, CONTRACTOR SHALL COMPLETE A TOPOGRAPHIC SURVEY, PREPARED BY A NEW YORK STATE LICENSED SURVEYOR, OF THE PREPARED SUBGRADE SURFACE.
 - CONTRACTOR SHALL COMPLETE AN AS-BUILT TOPOGRAPHIC SURVEY, PREPARED BY A NEW YORK STATE LICENSED SURVEYOR, OF THE TOP OF THE 18-INCH (MIN.) COMPACTED SOIL CAP FILL LAYER PRIOR TO PLACING THE 6-INCH (MIN) PLANTING SOIL LAYER.
 - CONTRACTOR SHALL COMPLETE AN AS-BUILT TOPOGRAPHIC SURVEY, PREPARED BY A NEW YORK STATE LICENSED SURVEYOR, OF THE COMPLETED LANDFILL FINAL GRADES AS SHOWN ON SHEET G-103.
 - CONTRACTOR SHALL PROVIDE DUST SUPPRESSION MEASURES DURING CLOSURE CONSTRUCTION WORK.

LEGEND

———— PROPOSED TOP OF CAP 5' CONTOUR

———— PROPOSED TOP OF CAP 1' CONTOUR

 NORTH

 SCALE: 1" = 30'

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CAPPING PLAN

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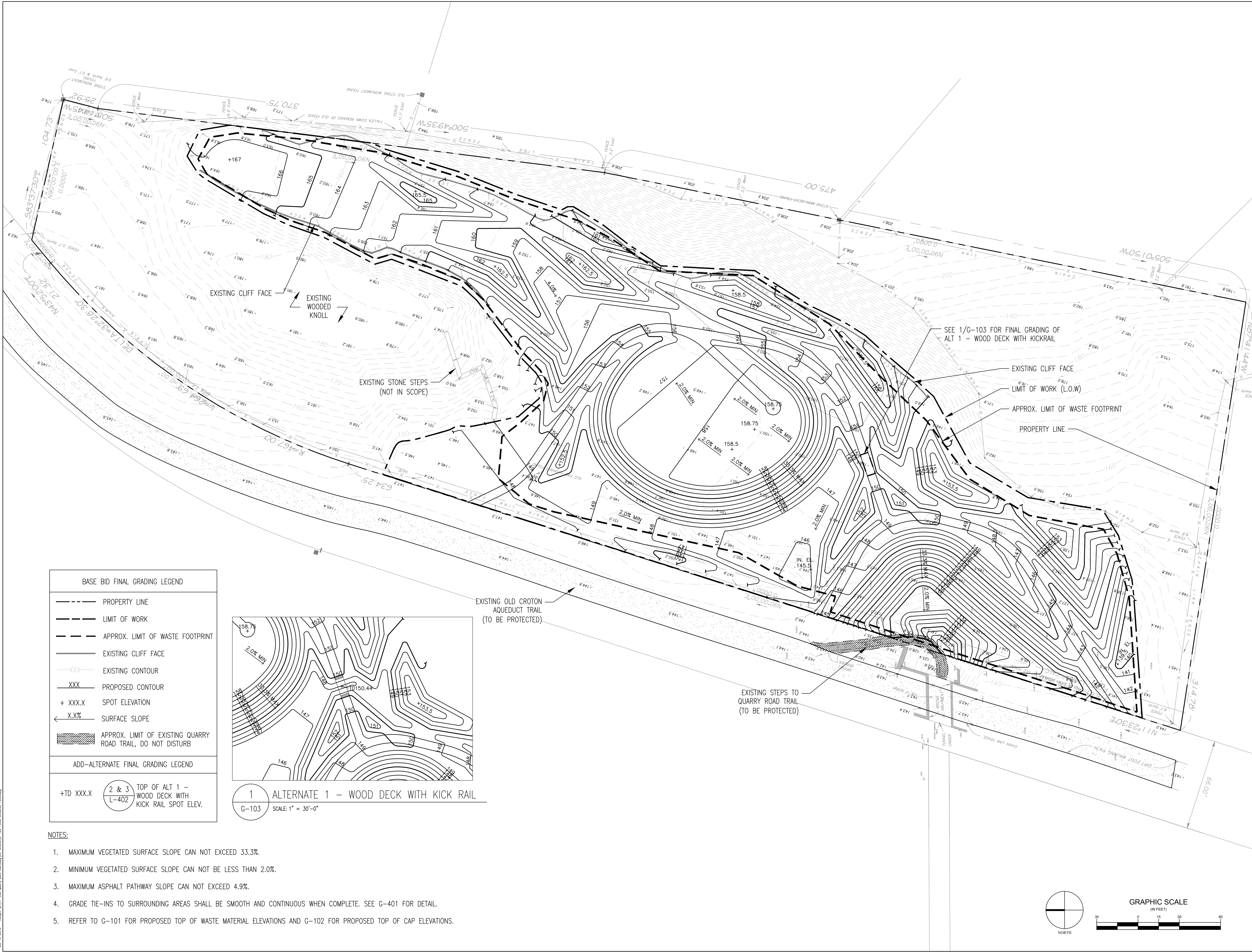
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MNLA Project No:

17-935

G-102

Oct 19, 2018 - 4:55pm M:\17-250 Quarry Park cals\map\08-mnla\G-103 FINAL GRADING PLAN.mxd



- NOTES:
1. MAXIMUM VEGETATED SURFACE SLOPE CAN NOT EXCEED 33.3%.
 2. MINIMUM VEGETATED SURFACE SLOPE CAN NOT BE LESS THAN 2.0%.
 3. MAXIMUM ASPHALT PATHWAY SLOPE CAN NOT EXCEED 4.9%.
 4. GRADE TIE-INS TO SURROUNDING AREAS SHALL BE SMOOTH AND CONTINUOUS WHEN COMPLETE. SEE G-401 FOR DETAIL.
 5. REFER TO G-101 FOR PROPOSED TOP OF WASTE MATERIAL ELEVATIONS AND G-102 FOR PROPOSED TOP OF CAP ELEVATIONS.

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Location Plan:

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Seal:

Submissions:

Date:	Type:
23 05 2017	50% Construction Documents
17 10 2017	100% Construction Documents for Village Review
25 10 2018	Issue for Bidding

Project Phase:

100% CONSTRUCTION DOCUMENTS
ISSUE FOR BIDDING

Drawing Title:

FINAL GRADING PLAN

Scale:	Date:
1"=30'-0"	25 OCTOBER 2018

Drawn By:	Sheet No:
EVG	9 OF 22

Checked By:	Drawing No:
KM	G-103

MNLA Project No:
17-935

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. CONTRACTOR SHALL COMPLY WITH THE LATEST NEW YORK STATE SOIL EROSION CONTROL REGULATIONS. SEE SHEET C-103.
2. PERFORM EROSION AND STORM WATER CONTROLS IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES, STORM WATER POLLUTION PREVENTION PLAN, AND SEDIMENT & EROSION CONTROL PLAN.
3. ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED, INSPECTED, AND APPROVED IN PLACE PRIOR TO COMMENCEMENT OF EXCAVATION WORK.
4. CONTRACTOR SHALL ADJUST LOCATIONS OF EROSION AND SEDIMENT CONTROL AS NEEDED TO ACCOMMODATE ANY CHANGES IN EXCAVATION LIMITS, LAYDOWN, STAGING AND STOCKPILE AREAS.
5. SLOPE ALL AREAS DISTURBED BY WASTE EXCAVATION AND COVER EXCAVATIONS SO THAT PRECIPITATION FALLING WITHIN THE EXCAVATION IS COLLECTED AND DISPOSED OFFSITE AT AN APPROVED FACILITY.
6. PROVIDE STORM WATER CONTROLS TO MINIMIZE CONTACT WITH EXCAVATED LANDFILL WASTE MATERIALS AND EXCAVATED SOIL, AND TO MINIMIZE PONDING IN EXCAVATION AREAS. ALL SURFACE AND SUBSURFACE WATER THAT COMES INTO CONTACT WITH EXPOSED WASTE MATERIALS WITHIN THE LIMIT OF WASTE FOOTPRINT SHALL BE CONSIDERED IMPACTED AND SHALL BE COLLECTED, TREATED AS NECESSARY, AND DISPOSED OF IN ACCORDANCE WITH THE SPECIFICATIONS.
7. CONTRACTOR SHALL REDIRECT FLOW AS NECESSARY AROUND WORK AREA. CONTRACTOR MAY BE REQUIRED TO PROVIDE TEMPORARY PUMP, POWER, AND PIPING AS NECESSARY FOR STORM WATER MANAGEMENT OPERATIONS.
8. CONTRACTOR SHALL TAKE ALL MEASURES REQUIRED TO PREVENT SURFACE WATER FLOW ONTO ADJACENT PROPERTIES.
9. COORDINATE WORK SUCH THAT THE SITE IS PROTECTED DURING RAIN STORM EVENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE AS A RESULT OF EROSION DUE TO THE CONTRACTOR'S WORK.
10. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW, OR ACCEPTED EQUIVALENT MATERIAL, AT A RATE OF TWO TONS PER ACRE. IF CONSTRUCTION IS SUSPENDED OR COMPLETED, AREAS SHALL BE SEEDDED AND MULCHED WITHIN 7 DAYS.
11. PERMANENT VEGETATION SHALL BE SEEDDED ON ALL EXPOSED AREAS AFTER FINAL GRADING. MULCH SHALL BE USED AS NECESSARY PROTECTION UNTIL SEEDING IS ESTABLISHED.
12. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATION STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATION GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
13. PERMANENT SEEDING SHALL BE PERFORMED BETWEEN MARCH 15 TO MAY 15, OR FROM AUGUST 15 TO OCTOBER 15.
14. MULCHING FOR SOIL EROSION AND SEDIMENT CONTROL:
 - a. MULCHING SHALL CONSIST OF UNROTTED SALT HAY, HAY OR SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE. MULCH SHALL BE SPREAD SO THAT 75% TO 90% OF THE SURFACE AREA WILL BE COVERED. MULCH MAY BE ANCHORED WITH A SYNTHETIC OR LIQUID MULCH BINDER. MULCH ANCHORAGE SHALL BE APPLIED AT A RATE AS RECOMMENDED BY THE MANUFACTURER FOR THE INTENDED USE.
16. FOR A DURATION OF NOT LESS THAN ONE YEAR AFTER THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ENSURE THAT THE VEGETATIVE COVER HAS BEEN PERMANENTLY ESTABLISHED. IF REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REAPPLICATION OF LIME, FERTILIZER, MULCH, AND SEED.



QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

Village of Hastings-on-Hudson
7 Maple Avenue
Hastings-on-Hudson, NY 10706

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Date:	Type:
23 05 2017	50% Construction Documents
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NOTES AND DETAILS

Checked By: JMJ	Drawing No: G-401
PLA Project No: 17-935	

QUARRY PARK

Village of Hastings-on-Hudson
7 Maple Avenue
Hastings-on-Hudson, NY 10706

MNLA

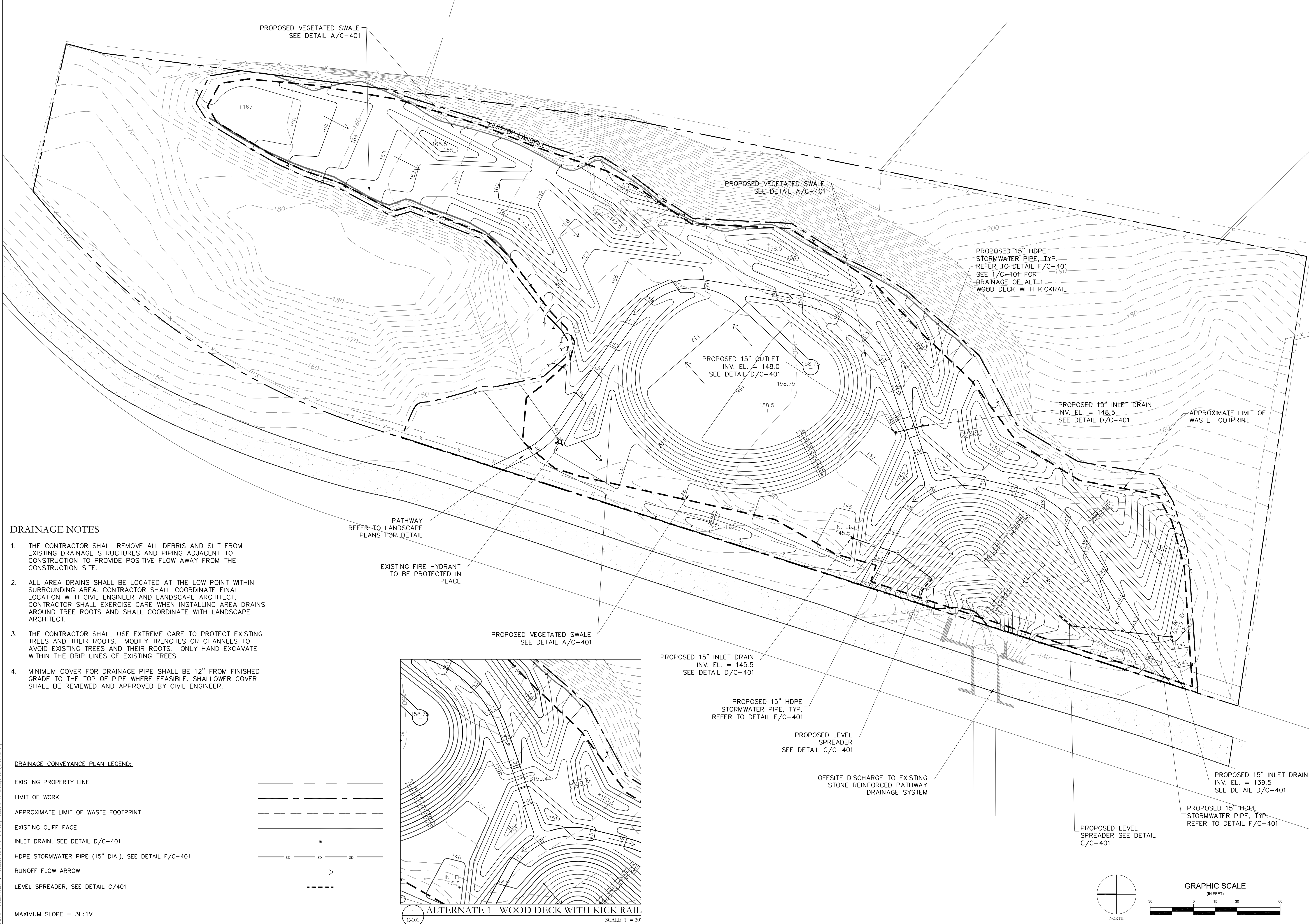


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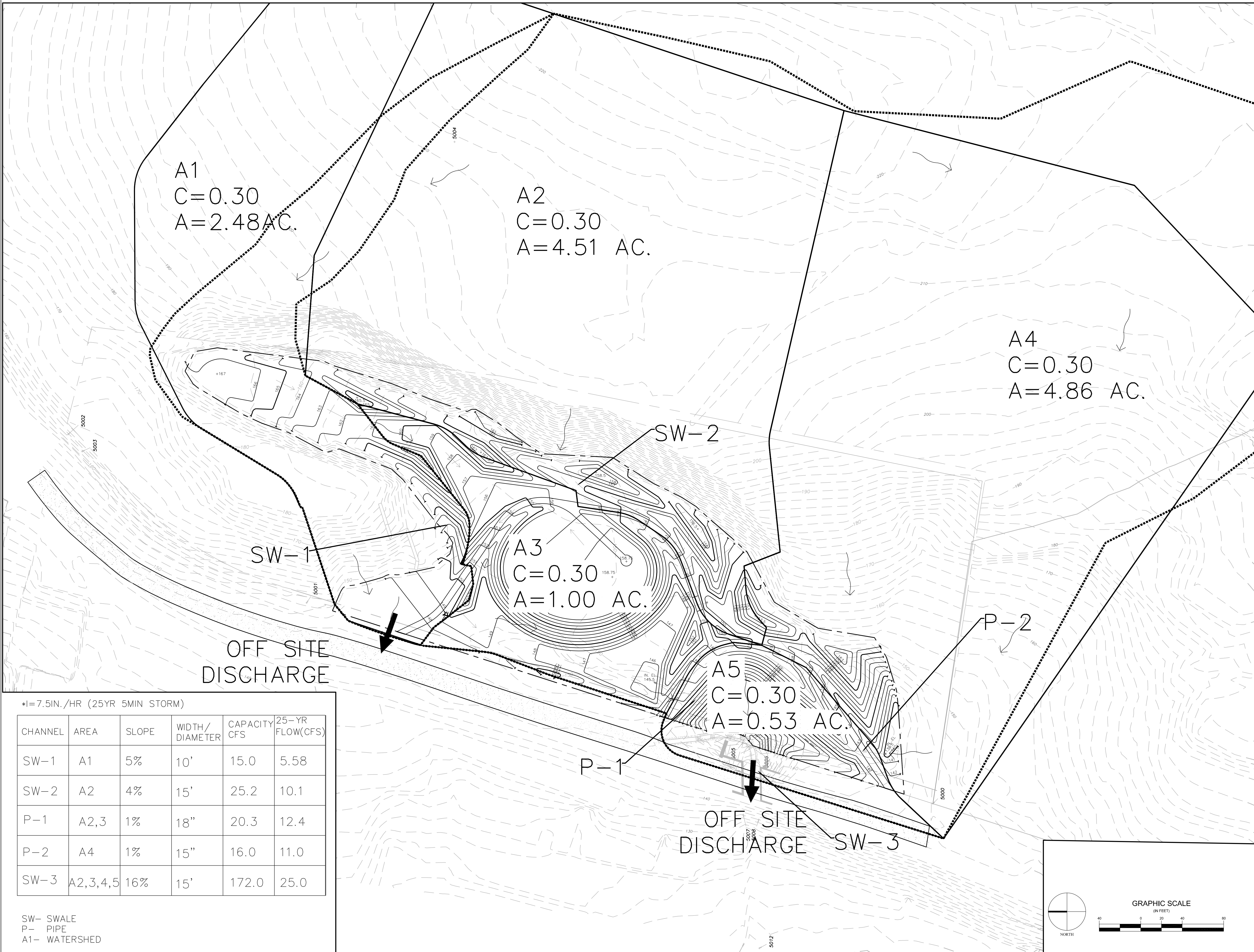
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MNLA Project No: 17-935	C-101



Oct 22 2018 - 2:50pm E:\2011\11-303 Quarry Park\04 CAD Design\03 CIV-C-101 Drainage Conference Block.dgn



Project:

QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

Client:

Village of Hastings-on-Hudson
7 Maple Avenue
Hastings-on-Hudson, NY 10706

Prepared by:

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Location Plan:

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Seat:

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25 10 2018	Issue for Bidding

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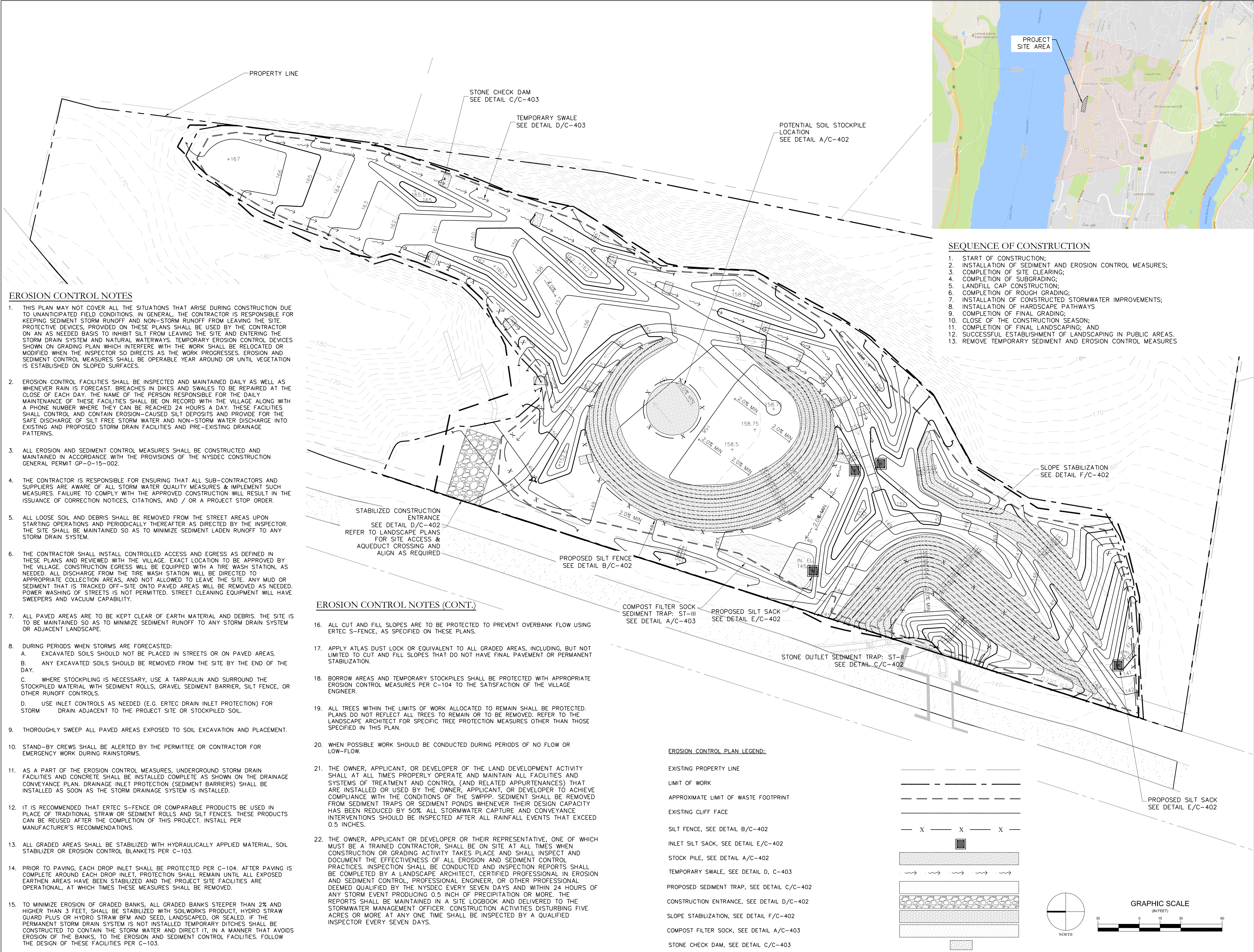
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Drawing Title:

WATERSHED PLAN
(FOR REFERENCE ONLY)

Scale:	1"=40'-0"	Date:	25 OCTOBER 2018
Drawn By:	GD	Sheet No.:	12 of 22
Checked By:	JL	Drawing No.:	C-102
MNLA Project No.:	17-935		

Dt 22 2018 - 2:51pm P:\2017\11-2018\Quarry Park\04 - 00 Design\03 - 000 Erosion Control Plans.dwg



Project:

Client:

Prepared by:

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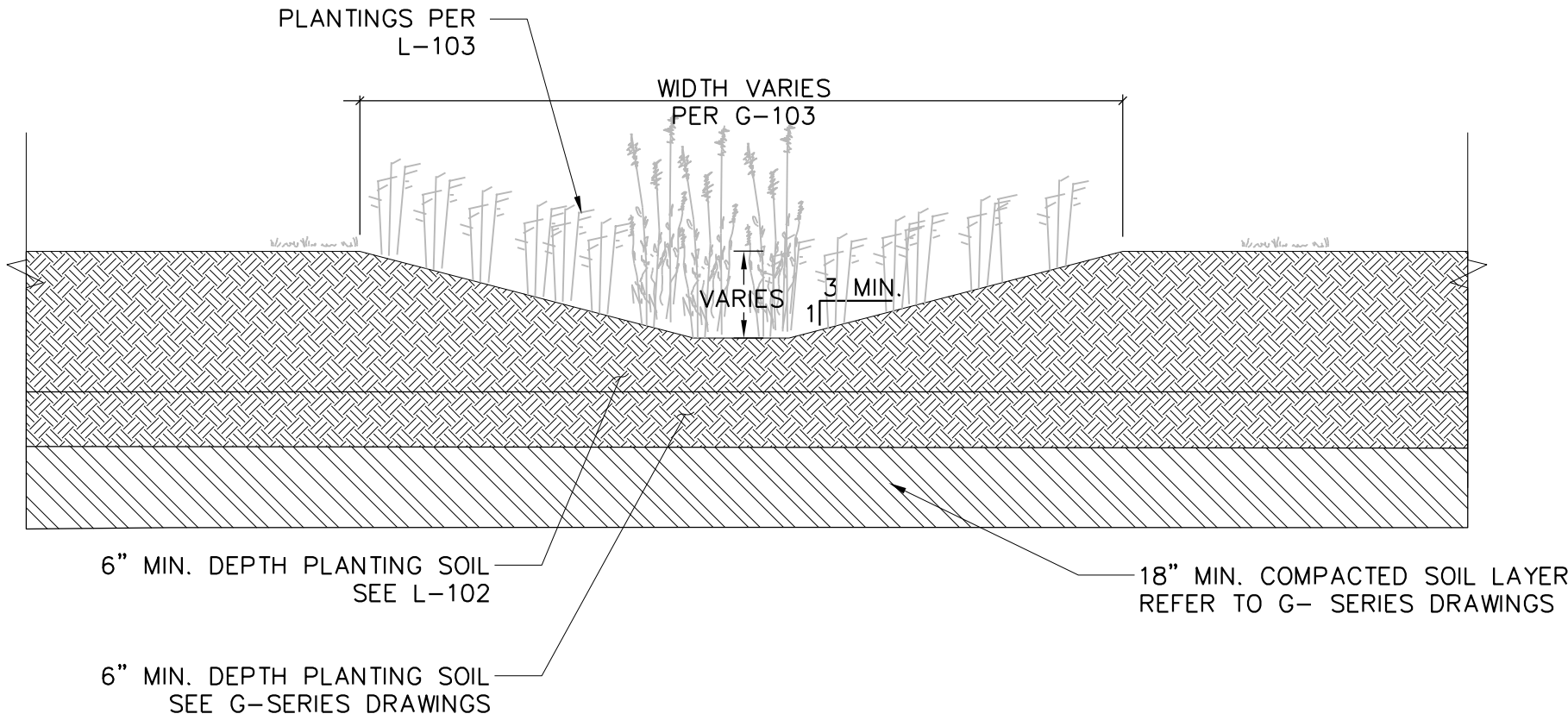
Project Phase:

100% CONSTRUCTION DOCUMENTS
ISSUE FOR BIDDING

Drawing Title:

EROSION CONTROL PLAN

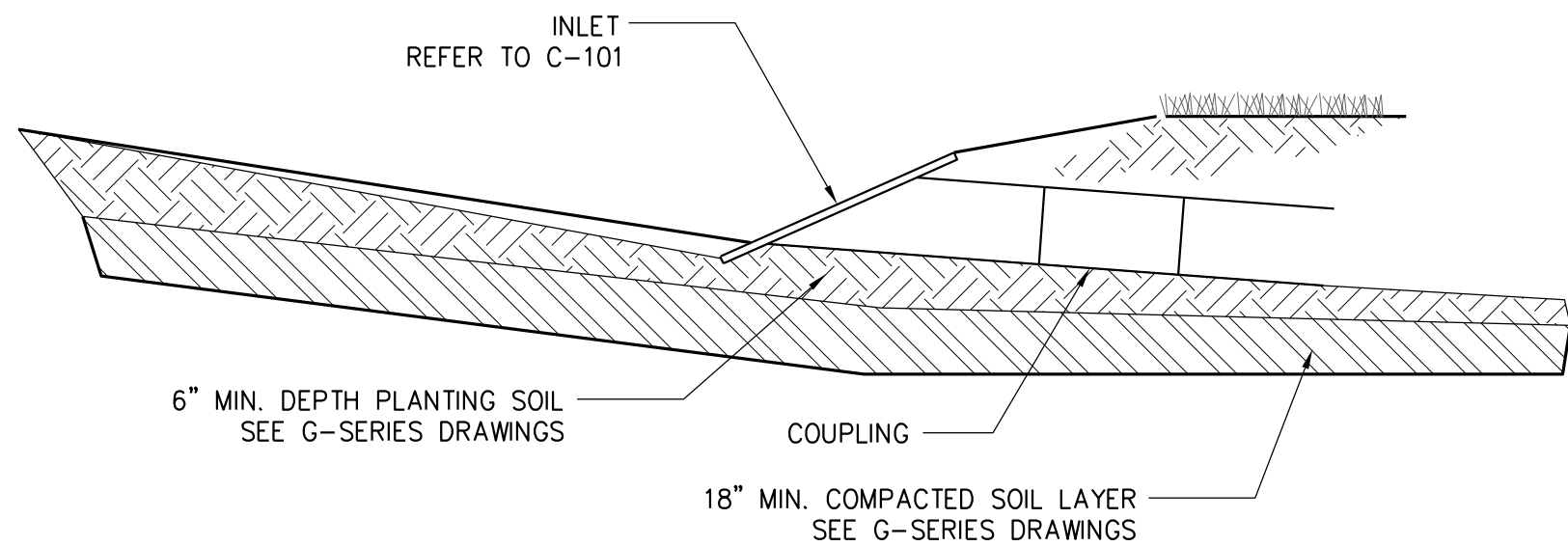
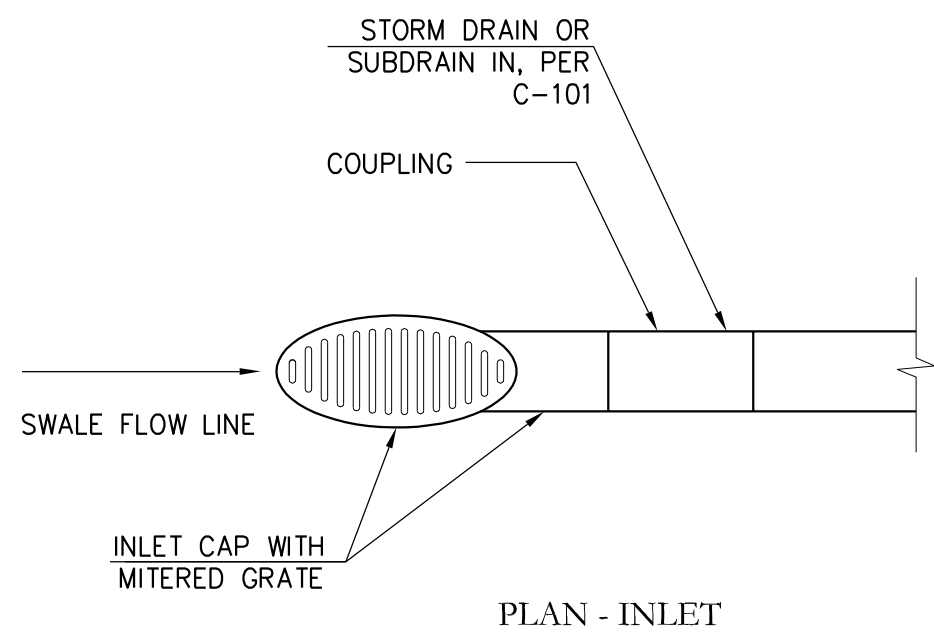
Scale:	1"=30'-0"	Date:	25 OCTOBER 2018
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Checked By:	JL	Drawing No:	C-103
MNLA Project No:	17-935		



A
C-401

VEGETATED SWALE

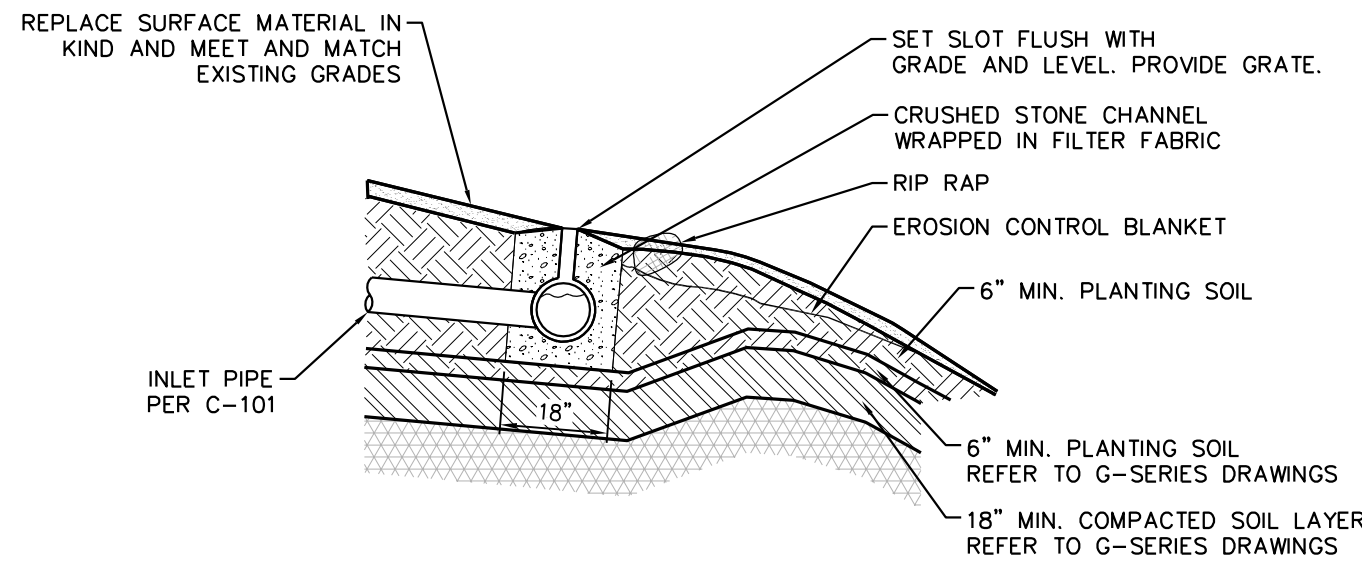
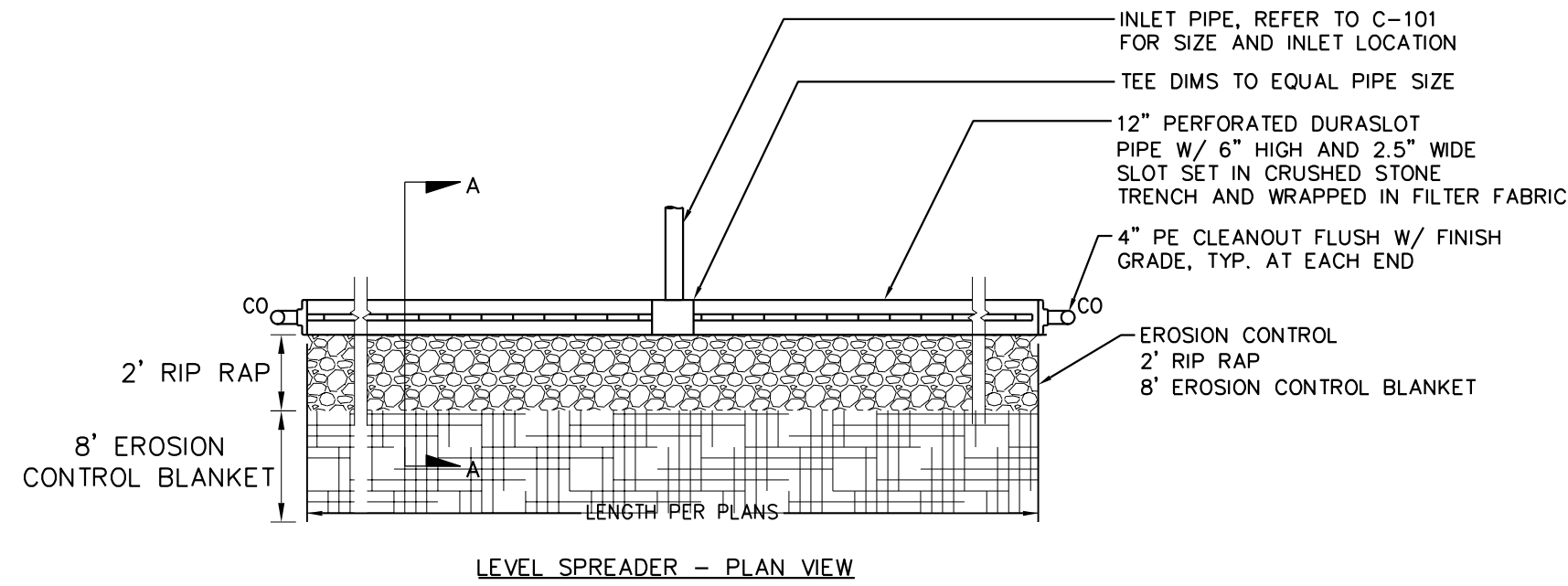
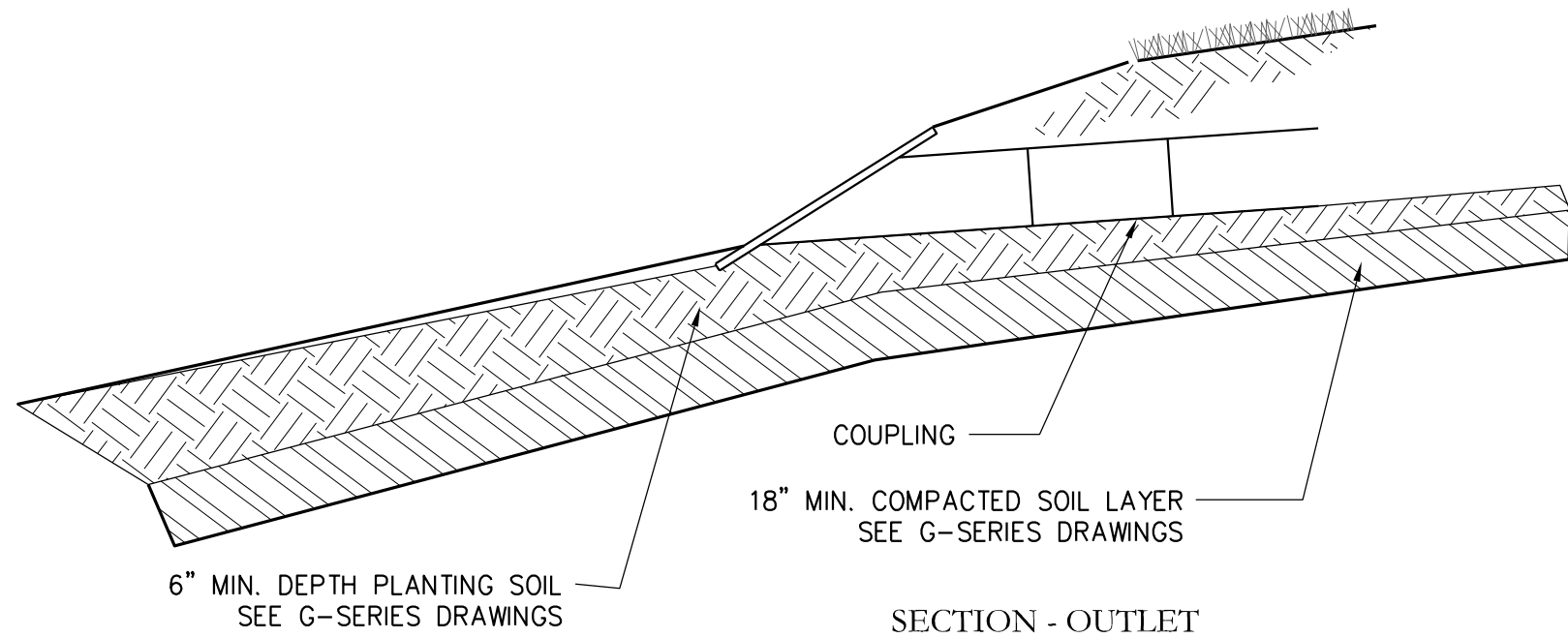
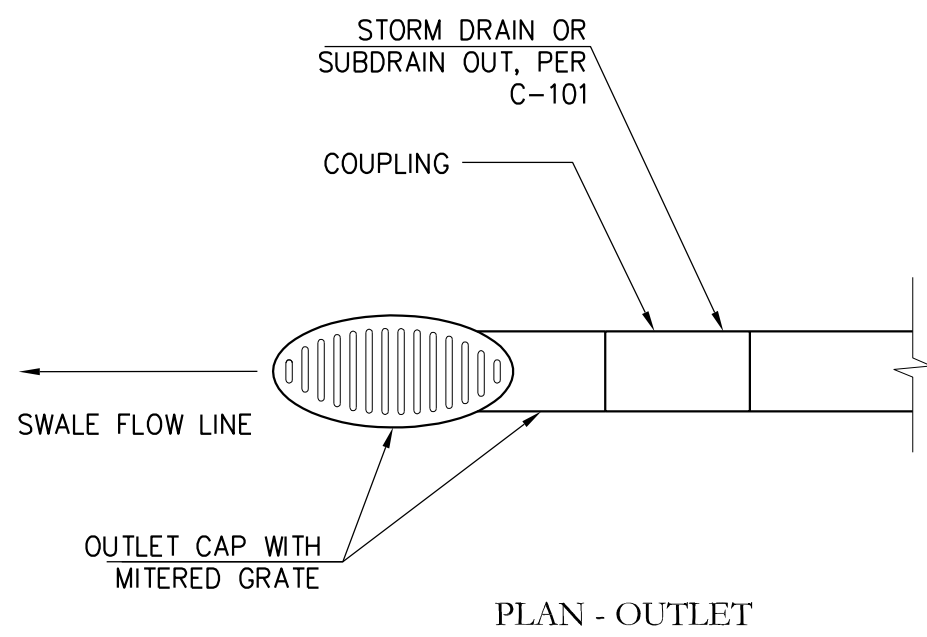
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INLET/OUTLET DRAIN

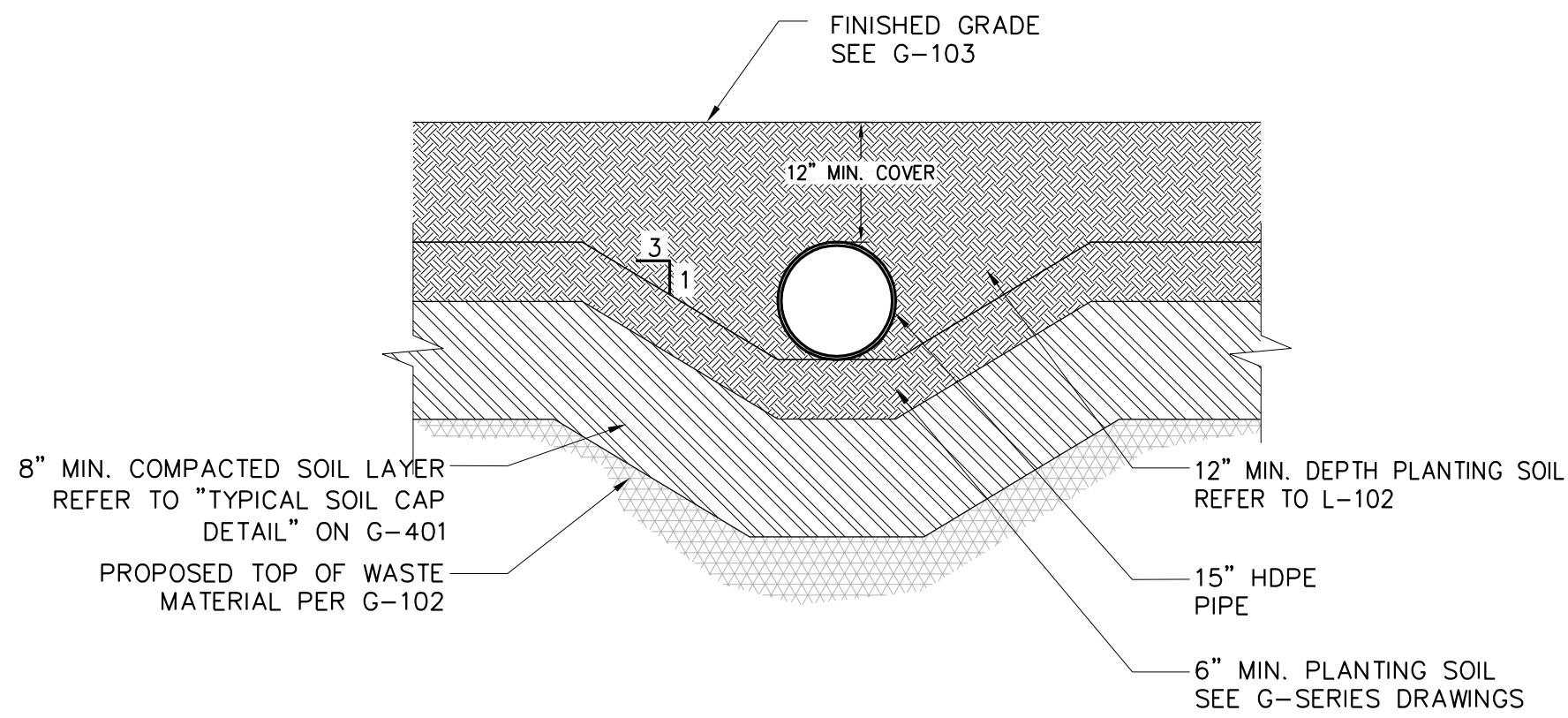
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C
C-401

LEVEL SPREADER

SCALE: N.T.S.



F
C-401

DRAINAGE PIPE SECTION

SCALE: N.T.S.

Project:

QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

Client:

Village of Hastings-on-Hudson
7 Maple Avenue
Hastings-on-Hudson, NY 10706

Prepared by:

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Seat:

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Project Phase:

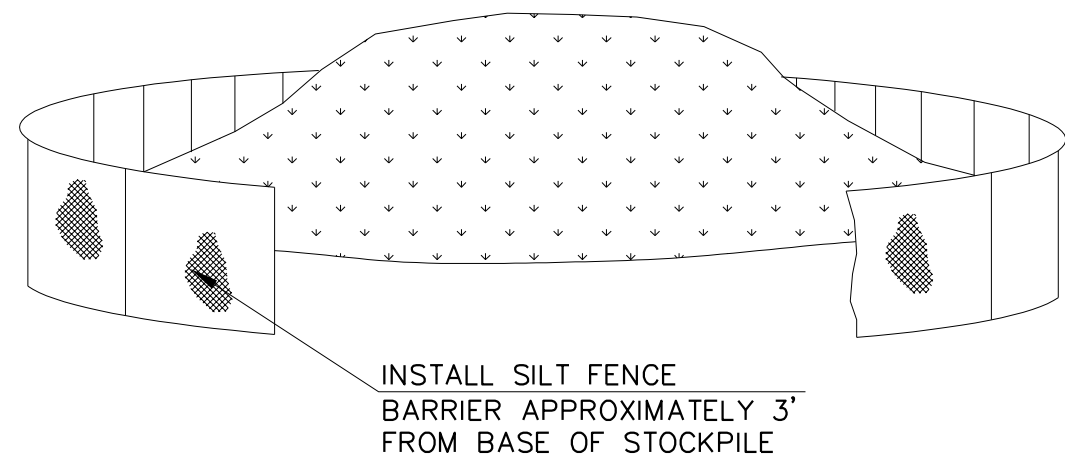
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Drawing Title:

DRAINAGE DETAILS

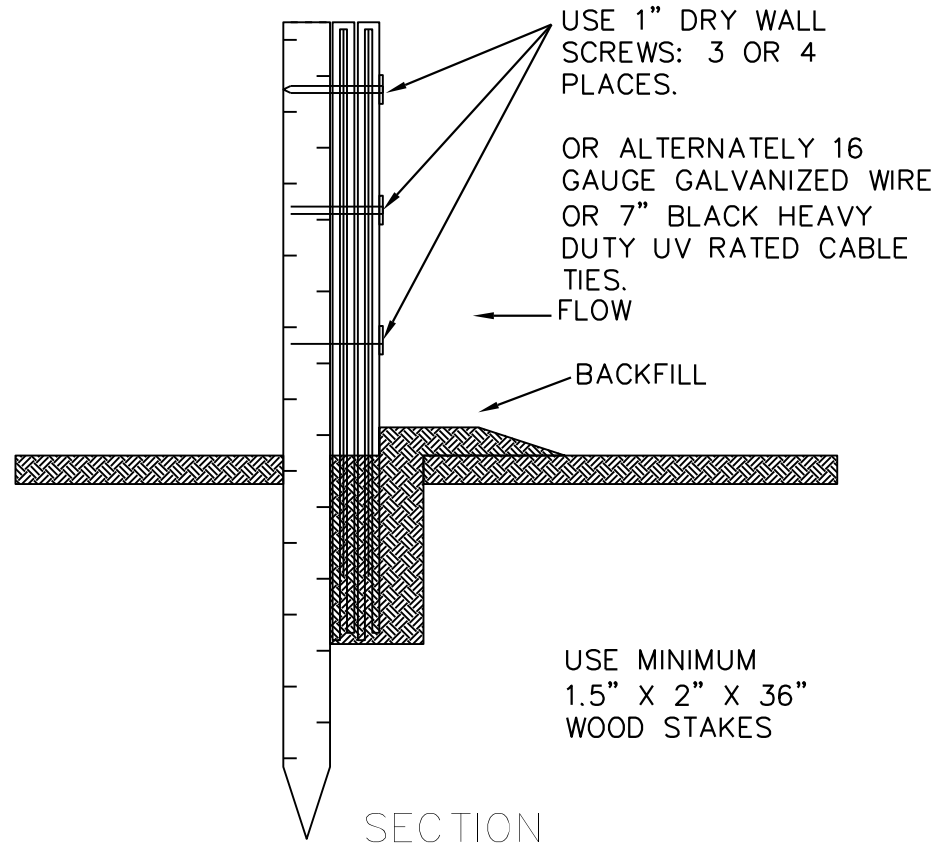
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Drawn By:	GD	Sheet No:	14 of 22
Checked By:	JL	Drawing No:	C-401
MNLA Project No:	17-935		

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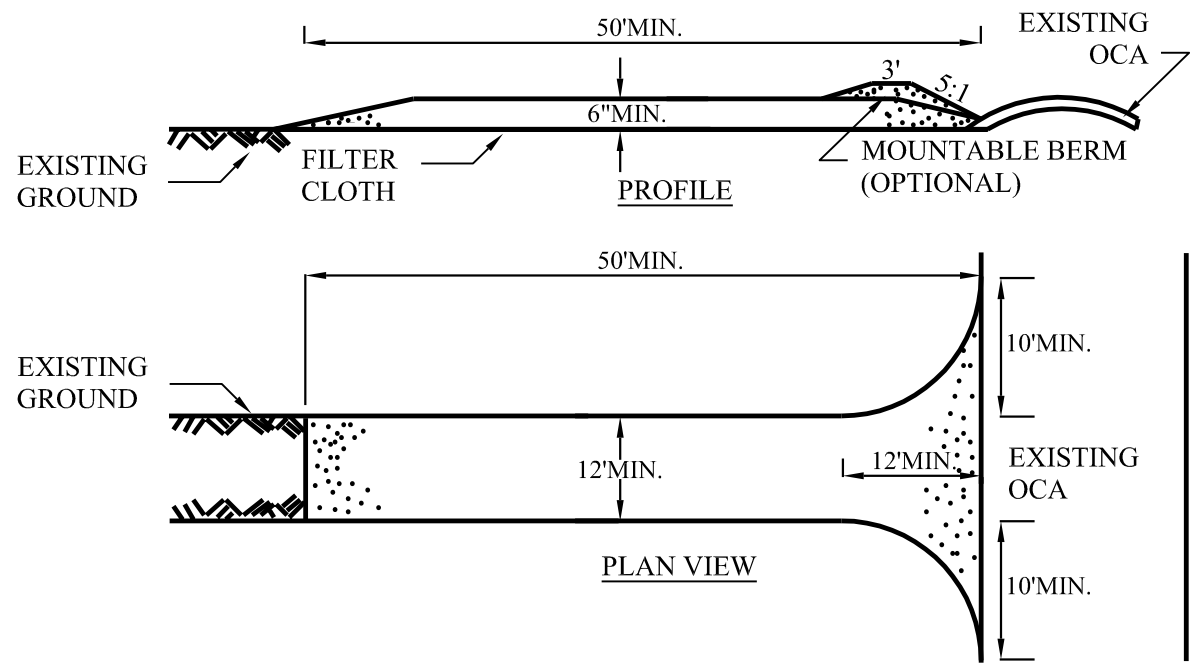
A STOCKPILE PROTECTION

SCALE: NTS



B SILT FENCE

SCALE: NTS

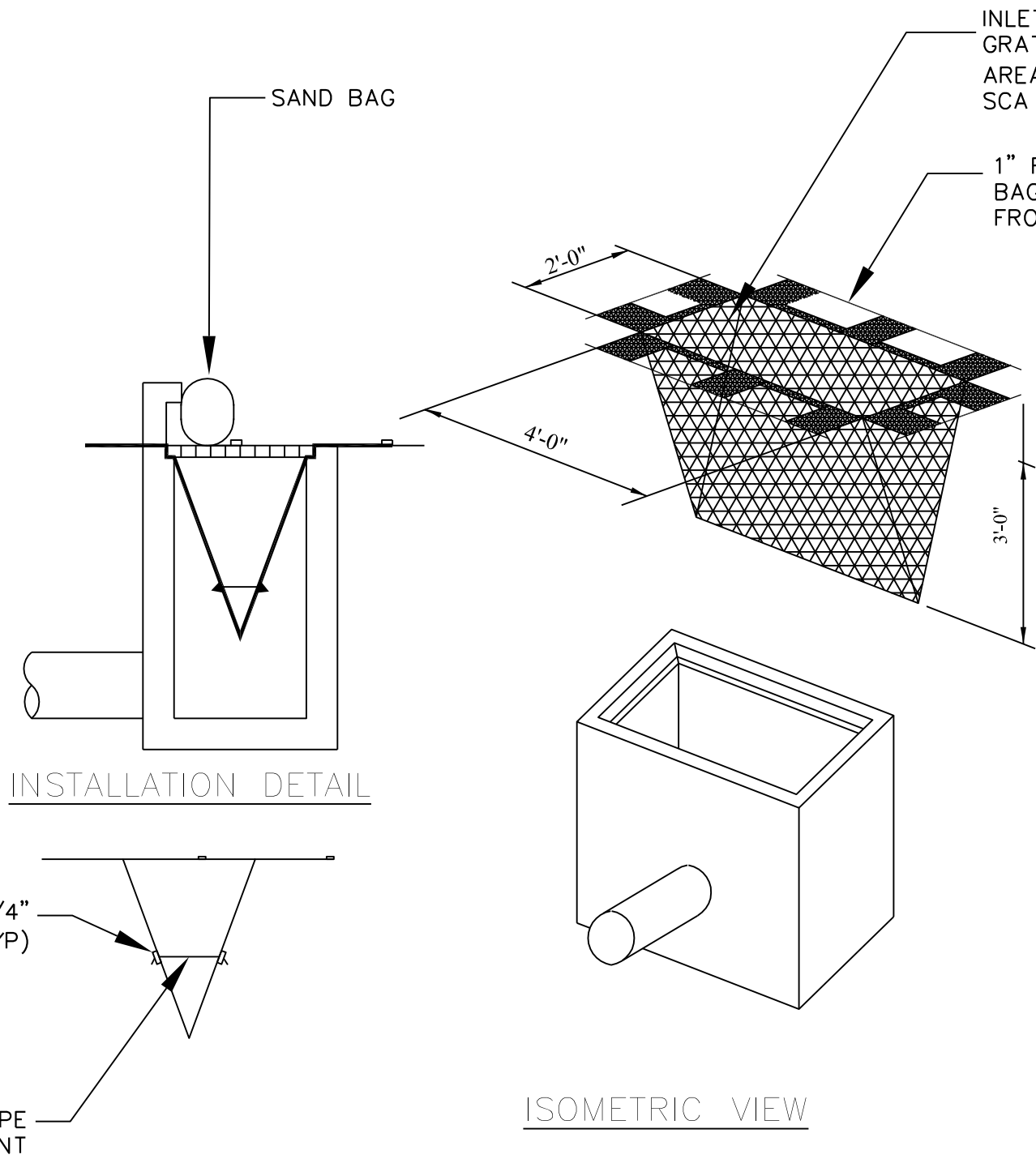


CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- 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.
- GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 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.
- 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 TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

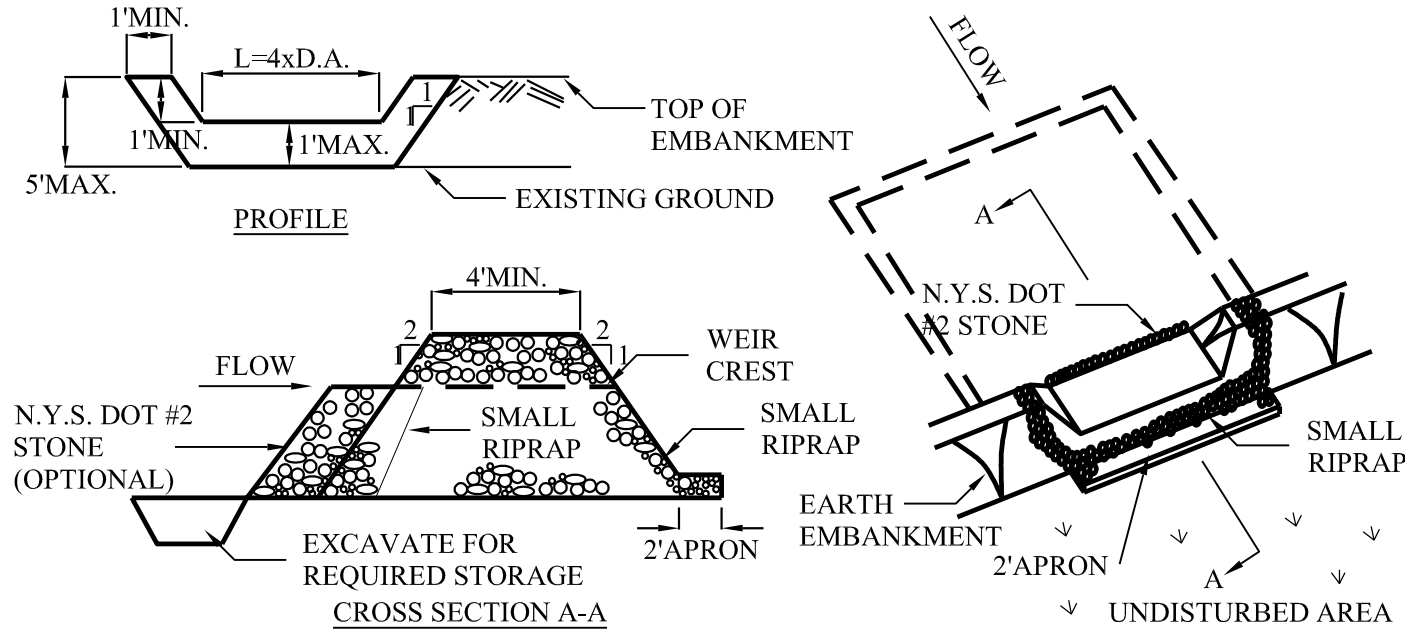
D STABILIZED CONSTRUCTION ENTRANCE

SCALE: NTS



E CATCH BASIN SILT SACK

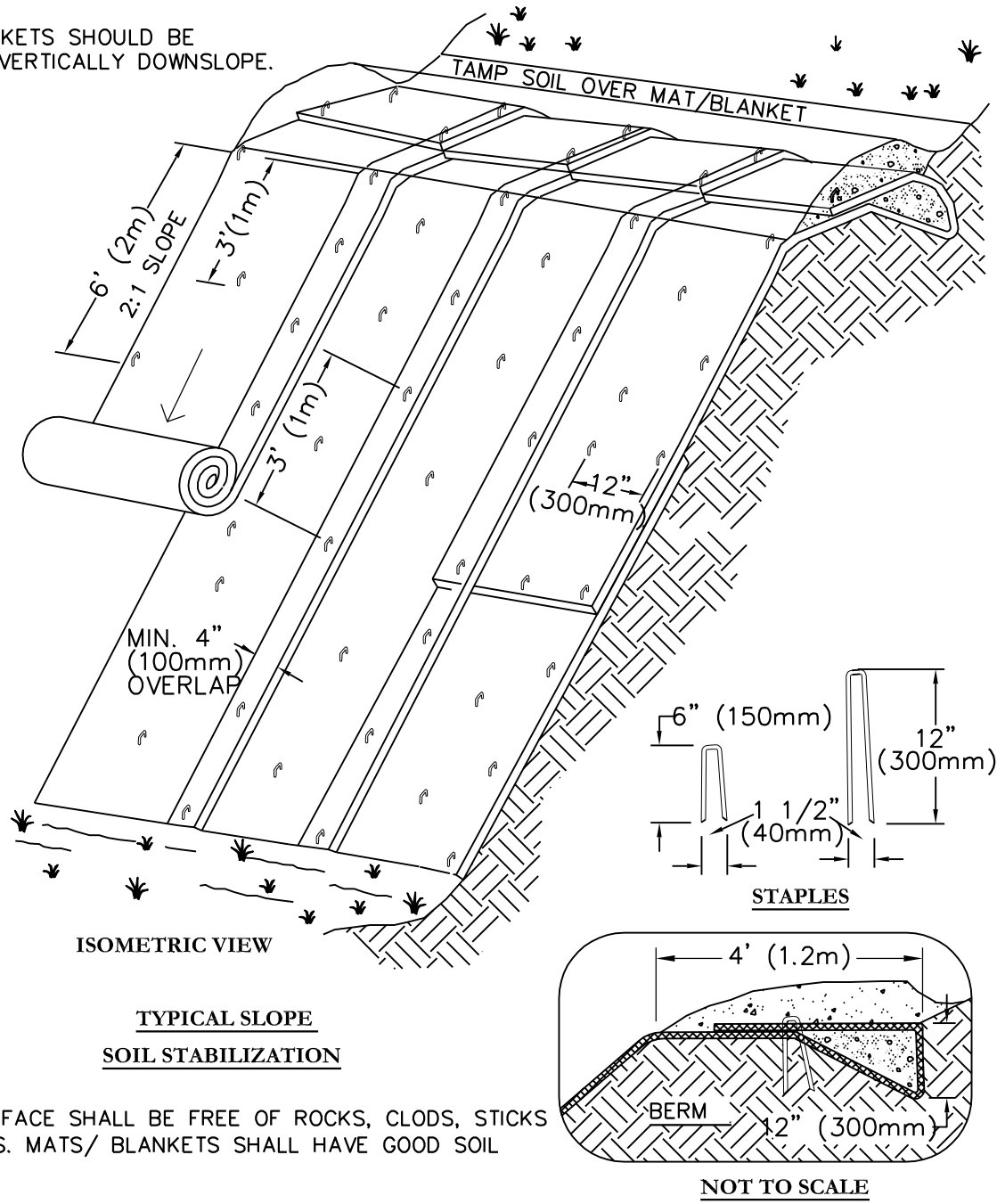
SCALE: NTS



F SLOPE STABILIZATION

SCALE: NTS

- NOTES:
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 - APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS WITH LOCALLY APPROVED SEED MIXTURE.
 - LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 - PLACE ON FILL SLOPES GREATER THAN 3:1.



TYPICAL SLOPE SOIL STABILIZATION

C STONE OUTLET SEDIMENT TRAP ST-II

SCALE: NTS

- OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INPLACE OF THE EMBEDDED FILTER CLOTH.
- CONSTRUCTION SPECIFICATIONS
- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
 - THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
 - ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
 - THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
 - SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
 - THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
 - THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- MAXIMUM DRAINAGE AREA 5 ACRES

Project:

QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

Client:

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Prepared by:

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Seat:

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Project Phase:

100% CONSTRUCTION DOCUMENTS
ISSUE FOR BIDDING

Drawing Title:

EROSION CONTROL DETAILS I

Scale:	Date:
N.T.S.	25 OCTOBER 2018

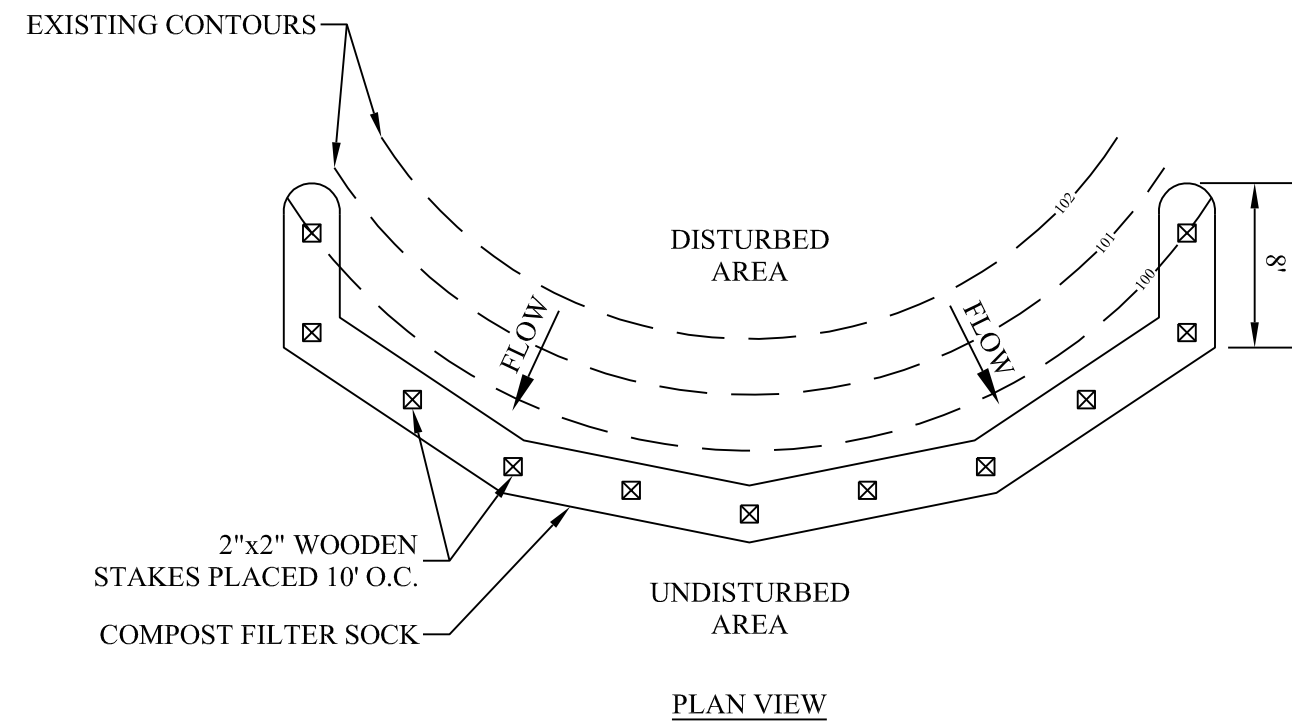
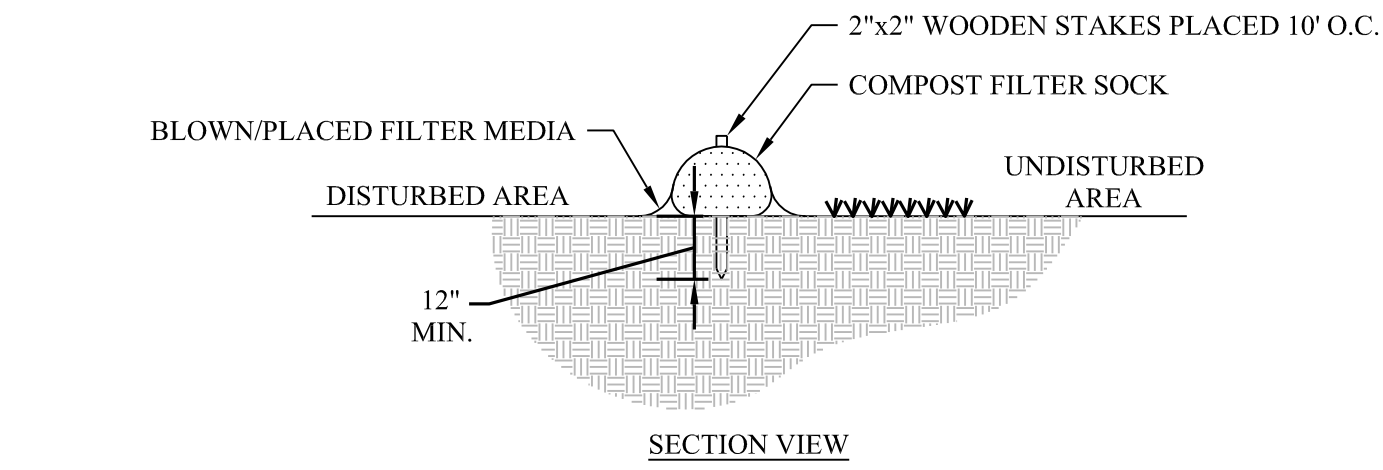
Drawn By:	Sheet No:
GD	15 of 22

Checked By:	Drawing No:
JL	

MNLA Project No:

17-935

C-402

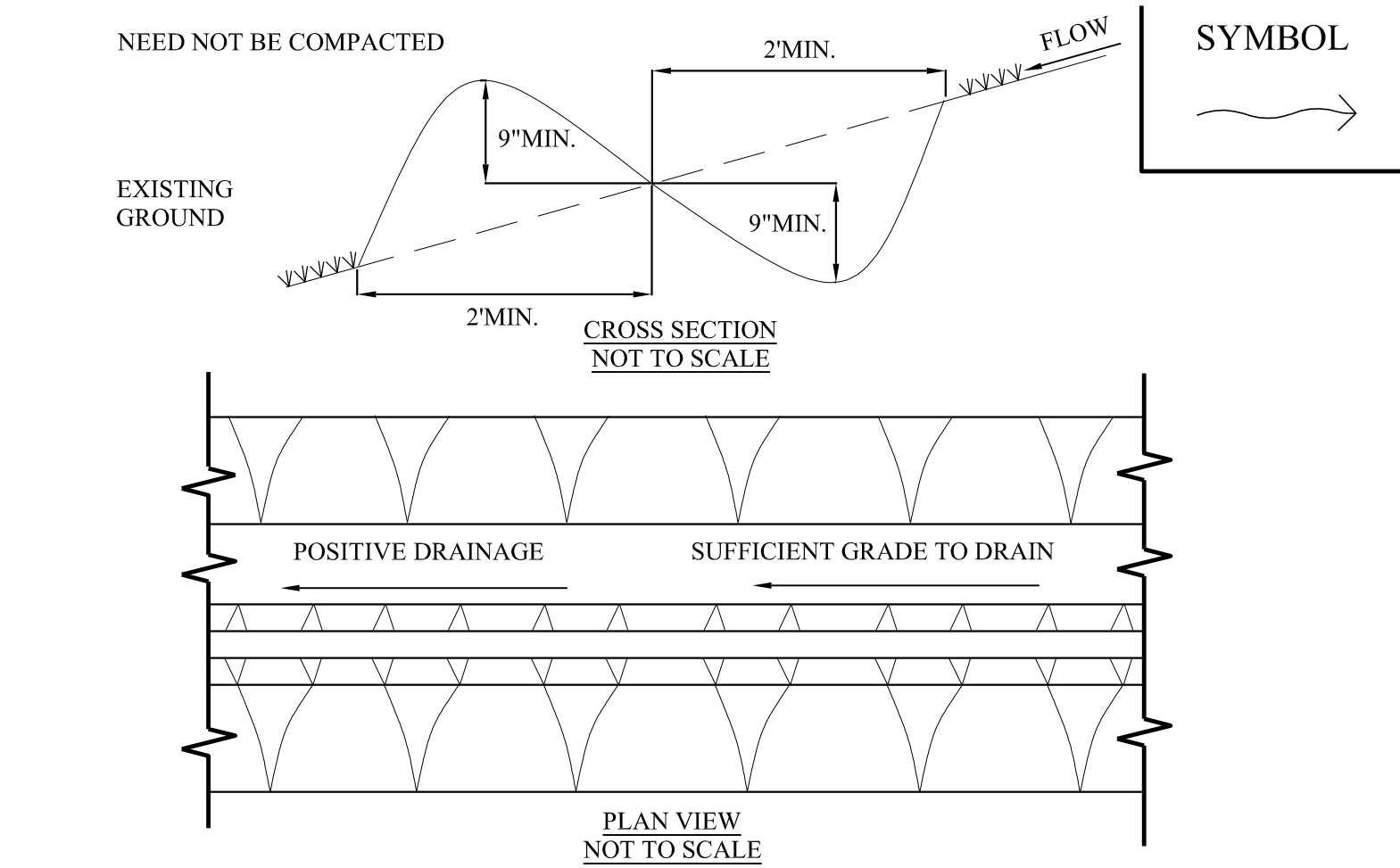


1. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
2. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
4. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
5. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
6. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

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C-403

COMPOST FILTER SOCK

SCALE: NTS



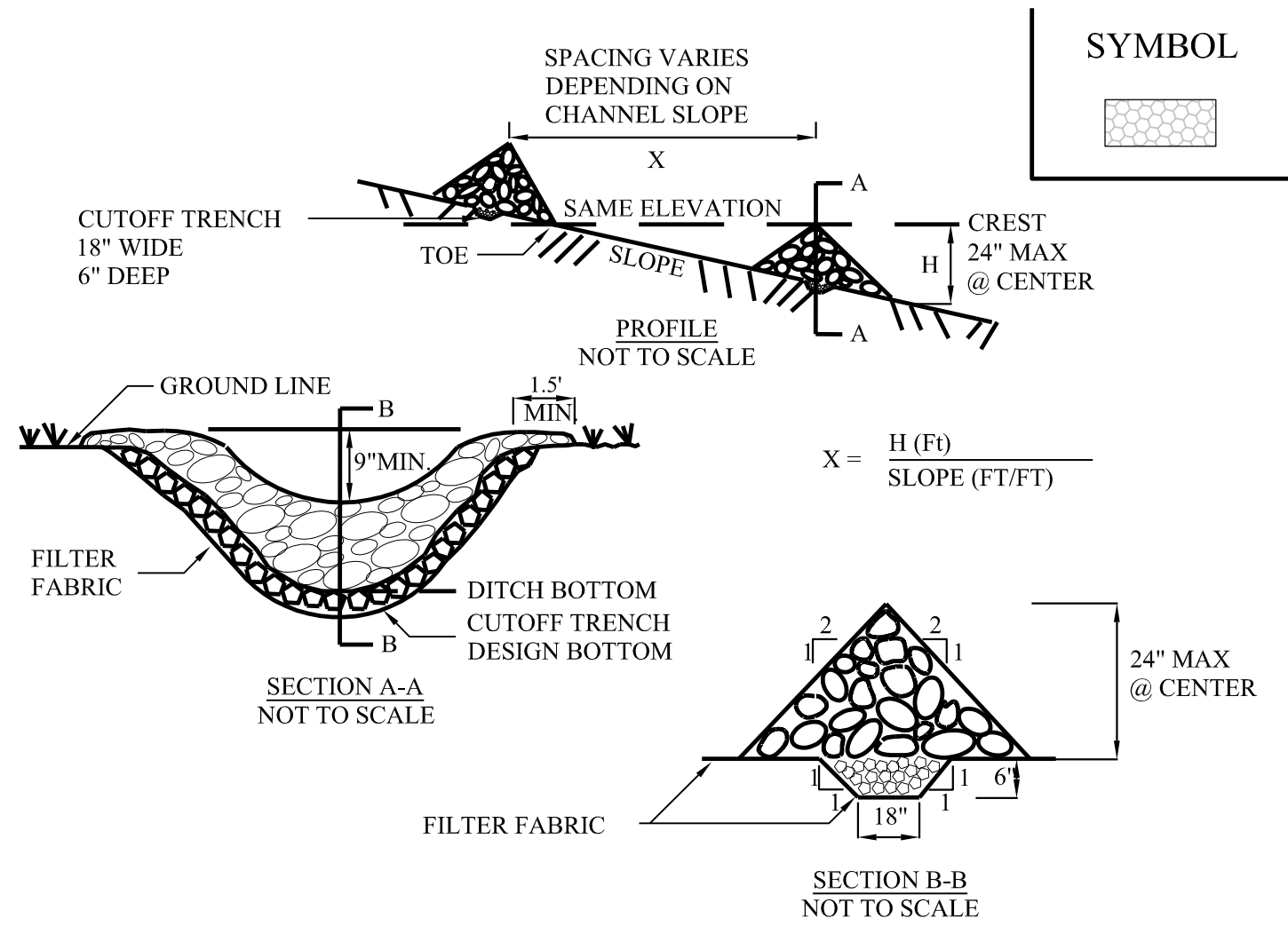
CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
 4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
 5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 2 DAYS.
 6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.
- MAX. DRAINAGE AREA LIMIT: 2 ACRES

D
C-403

TEMPORARY SWALE

SCALE: NTS



CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON C-104.
 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING 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.
- MAXIMUM DRAINAGE AREA 2 ACRES.

C
C-403

STONE CHECK DAM

SCALE: NTS

Project:

QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

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100% CONSTRUCTION DOCUMENTS
ISSUE FOR BIDDING

Drawing Title:

EROSION CONTROL DETAILS II

Scale:	N.T.S.	Date:	25 OCTOBER 2018
Drawn By:	GD	Sheet No:	16 of 22
Checked By:	JL	Drawing No:	
MNLA Project No:	17-935		

C-403

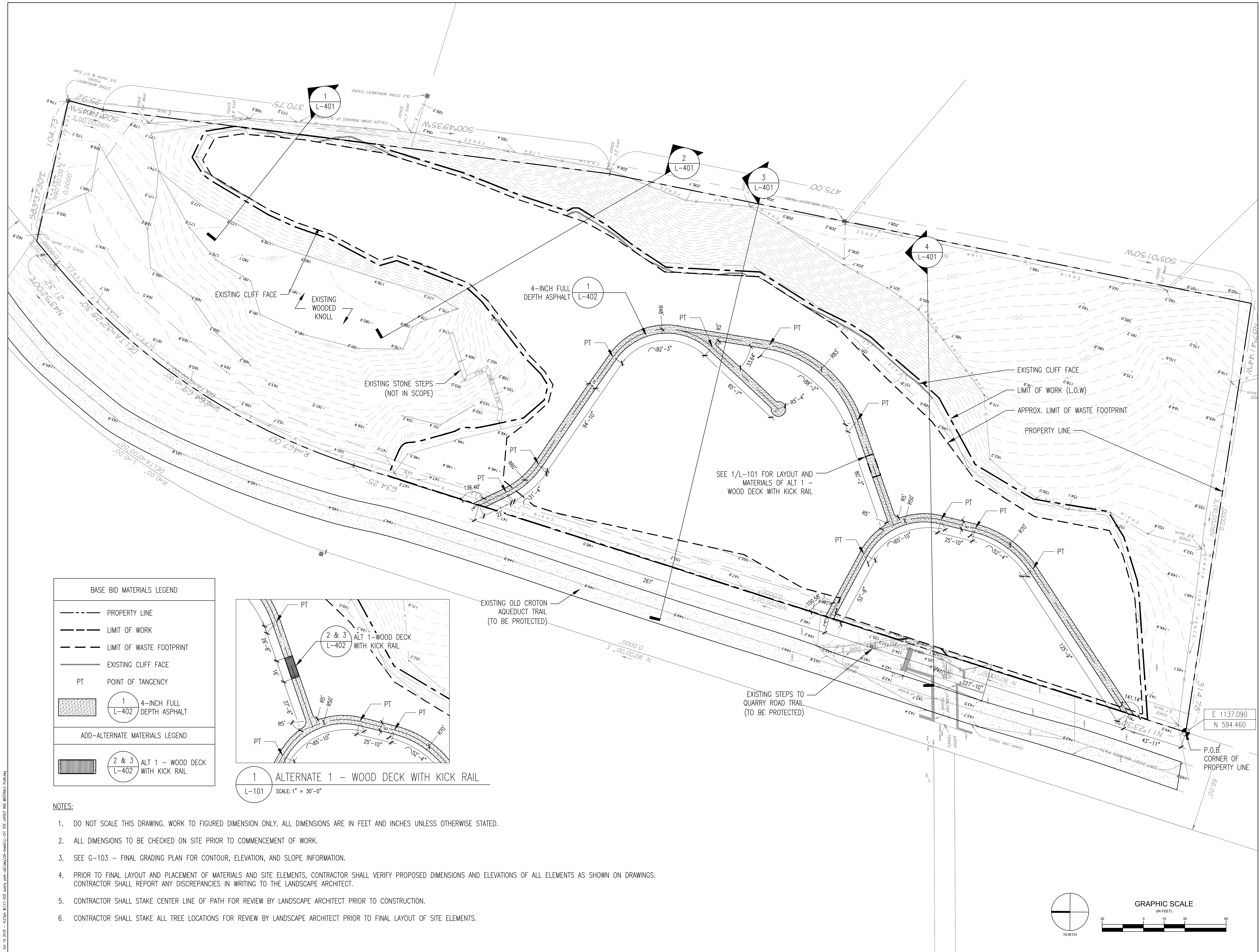
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Year:	Type:
2015-2017	50% Construction Documents
2018	100% Construction Documents for Village Review
2019	Issue for Bidding

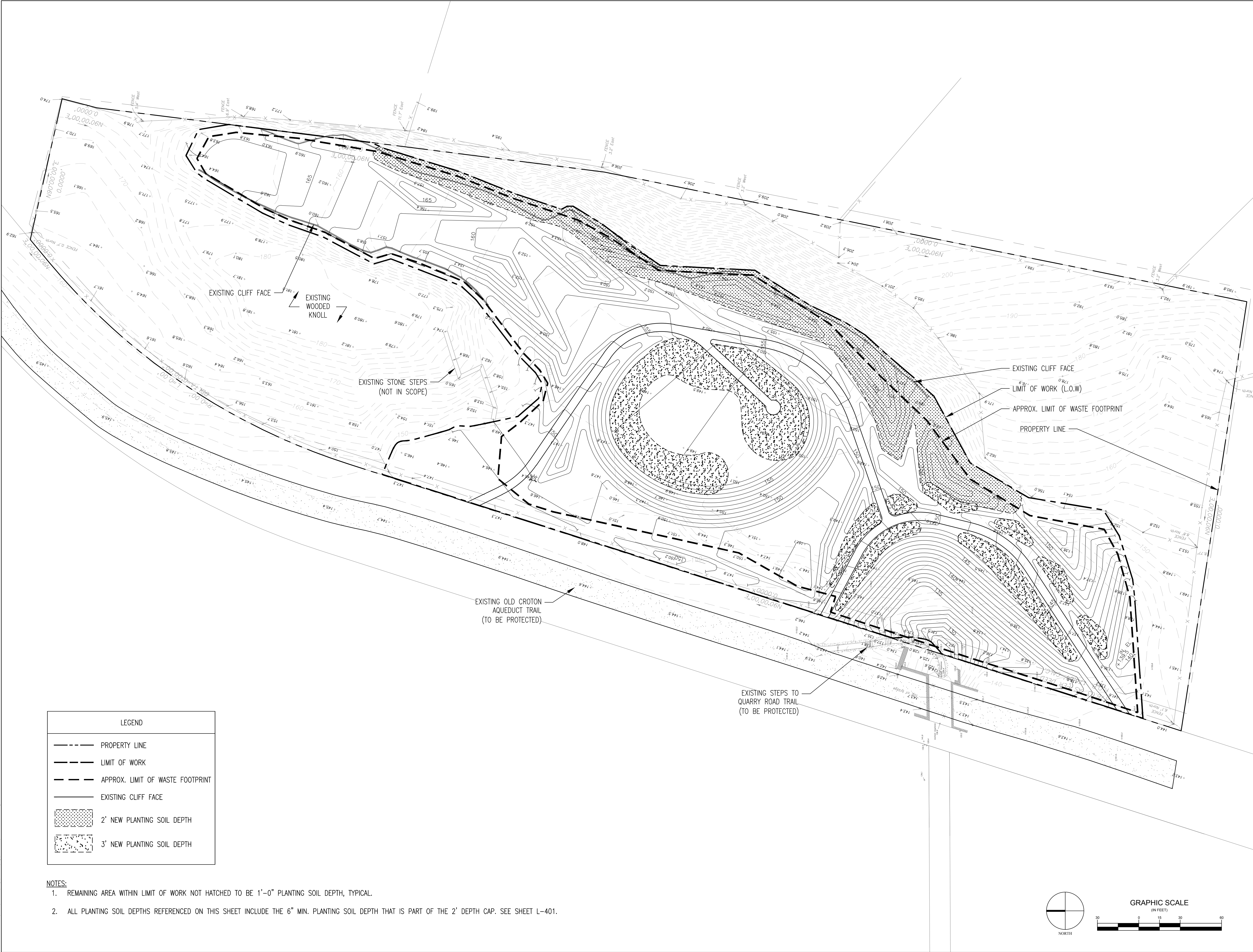
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SITE LAYOUT AND MATERIALS PLAN

1"=30'-0"	Date: 25 OCTOBER 2018
By: EVG	Sheet No: 17 OF 22
Designed By: KM	Drawing No: L-101
Project No: 17-935	



Oct 19, 2018 - 4:27pm M:\17-250 Quarry Park cdb\Map\08-mnla\1-102 SOILS PLAN.dwg



- NOTES:
1. REMAINING AREA WITHIN LIMIT OF WORK NOT HATCHED TO BE 1'-0" PLANTING SOIL DEPTH, TYPICAL.
 2. ALL PLANTING SOIL DEPTHS REFERENCED ON THIS SHEET INCLUDE THE 6" MIN. PLANTING SOIL DEPTH THAT IS PART OF THE 2' DEPTH CAP. SEE SHEET L-401.

Project:

QUARRY PARK

VILLAGE OF HASTINGS-ON-HUDSON

Client:

Village of Hastings-on-Hudson
7 Maple Avenue
Hastings-on-Hudson, NY 10706

Prepared by:

MNLA

Mathew Nielsen
Landscape Architects, P.C.
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Location Plan:

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Seal:

Submissions:

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23 05 2017	50% Construction Documents
17 10 2017	100% Construction Documents for Village Review
25 10 2018	Issue for Bidding

Project Phase:

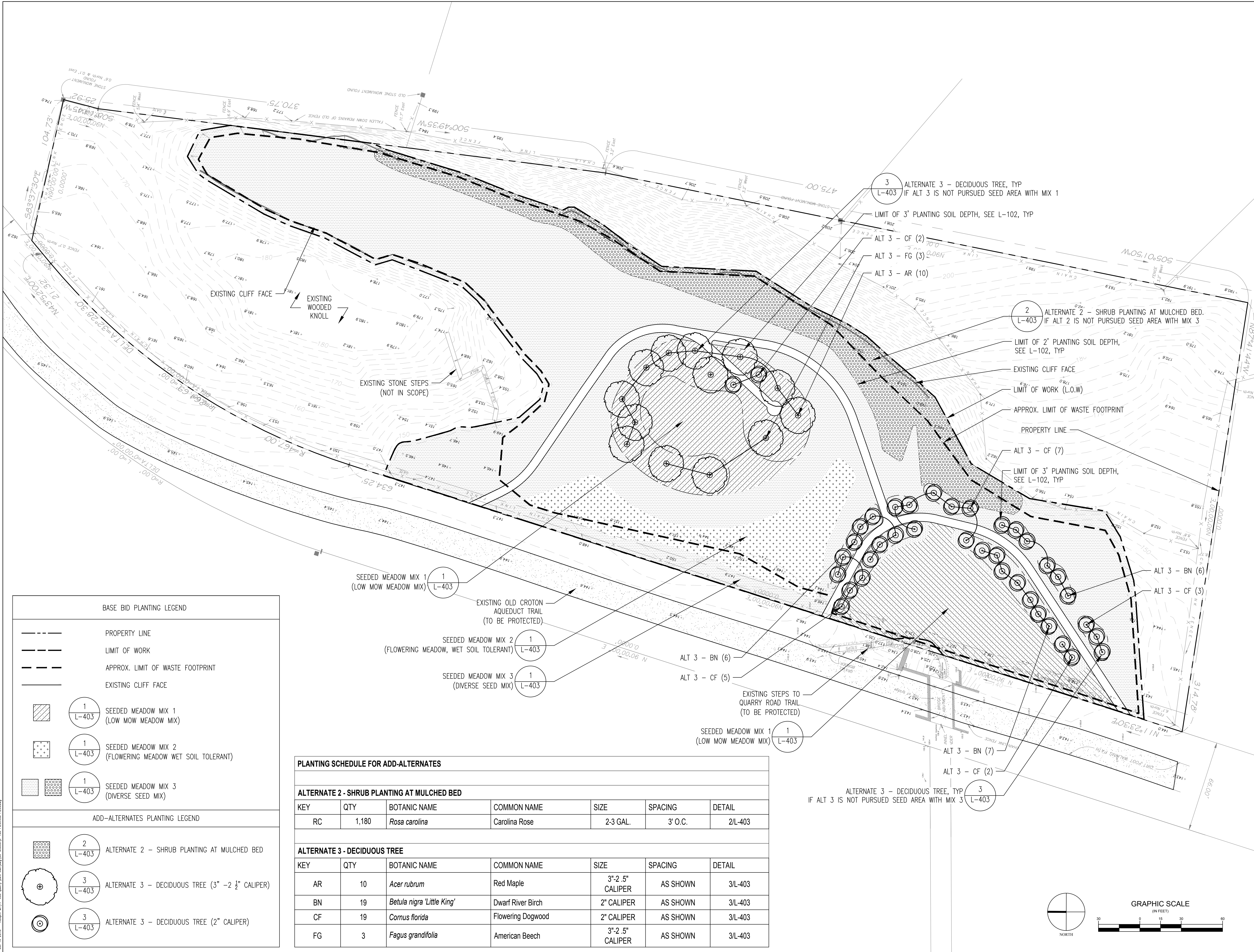
100% CONSTRUCTION DOCUMENTS
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Drawing Title:

SOILS PLAN

Scale:	Date:
1"=30'-0"	25 OCTOBER 2018
Drawn By:	Sheet No:
EVG	18 OF 22
Checked By:	Drawing No:
KM	
MNLA Project No:	L-102
17-935	

Oct 19, 2018 - 4:50pm M:\17-250 quarry park cadd\wp08-mnla\1-103 PLANTING PLAN.dwg



BASE BID PLANTING LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- APPROX. LIMIT OF WASTE FOOTPRINT
- EXISTING CLIFF FACE

- 1 L-403 SEEDED MEADOW MIX 1 (LOW MOW MEADOW MIX)
- 1 L-403 SEEDED MEADOW MIX 2 (FLOWERING MEADOW WET SOIL TOLERANT)
- 1 L-403 SEEDED MEADOW MIX 3 (DIVERSE SEED MIX)

ADD-ALTERNATES PLANTING LEGEND

- 2 L-403 ALTERNATE 2 - SHRUB PLANTING AT MULCHED BED
- 3 L-403 ALTERNATE 3 - DECIDUOUS TREE (3" - 2 1/2" CALIPER)
- 3 L-403 ALTERNATE 3 - DECIDUOUS TREE (2" CALIPER)

PLANTING SCHEDULE FOR ADD-ALTERNATES

ALTERNATE 2 - SHRUB PLANTING AT MULCHED BED

KEY	QTY	BOTANIC NAME	COMMON NAME	SIZE	SPACING	DETAIL
RC	1,180	<i>Rosa carolina</i>	Carolina Rose	2-3 GAL.	3' O.C.	2/L-403

ALTERNATE 3 - DECIDUOUS TREE

KEY	QTY	BOTANIC NAME	COMMON NAME	SIZE	SPACING	DETAIL
AR	10	<i>Acer rubrum</i>	Red Maple	3"-2.5" CALIPER	AS SHOWN	3/L-403
BN	19	<i>Betula nigra</i> 'Little King'	Dwarf River Birch	2" CALIPER	AS SHOWN	3/L-403
CF	19	<i>Cornus florida</i>	Flowering Dogwood	2" CALIPER	AS SHOWN	3/L-403
FG	3	<i>Fagus grandifolia</i>	American Beech	3"-2.5" CALIPER	AS SHOWN	3/L-403

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Project Phase:

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Drawing Title:

PLANTING PLAN

Scale: 1"=30'-0" Date: 25 OCTOBER 2018

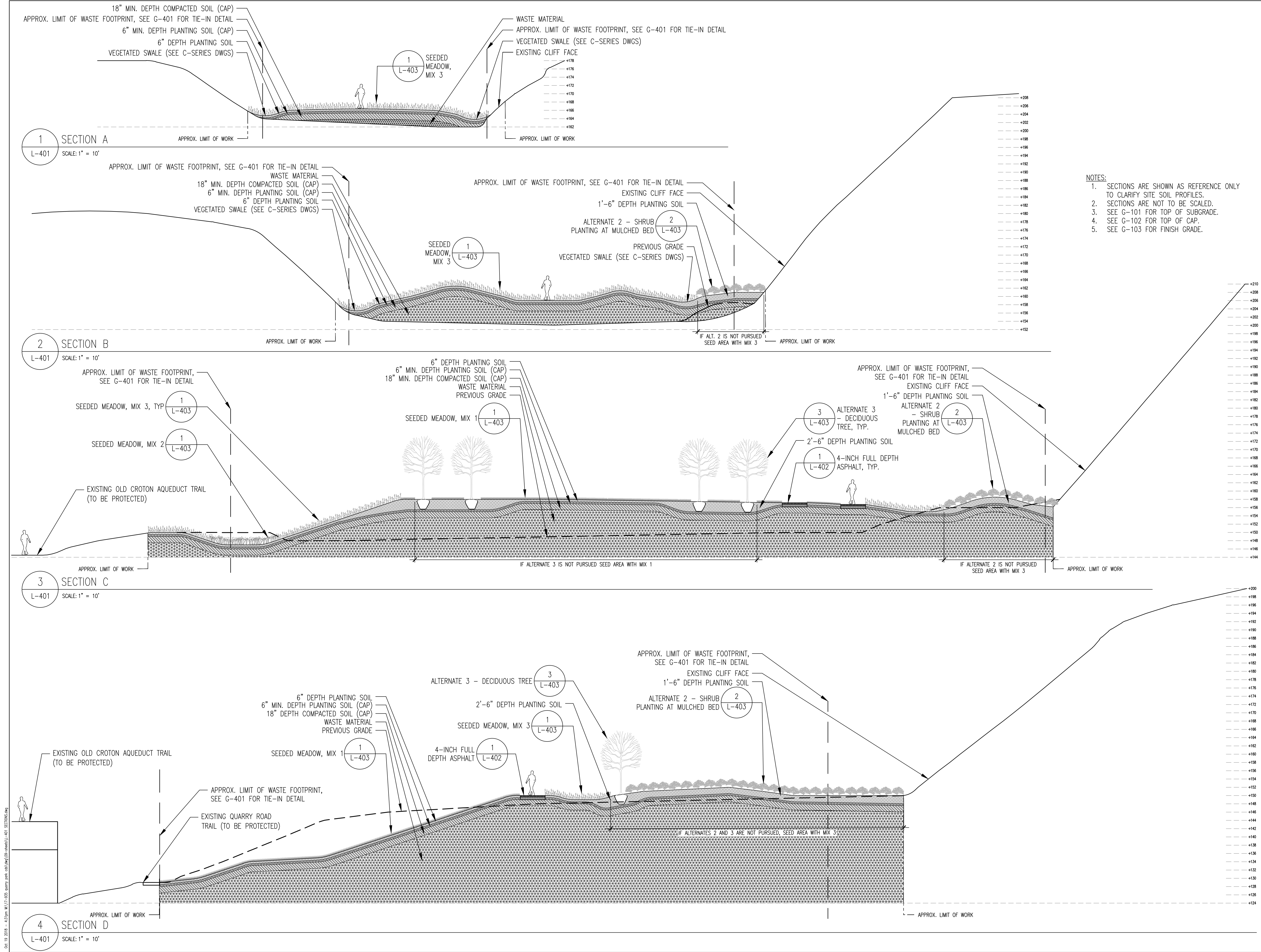
Drawn By: EVG Sheet No: 19 OF 22

Checked By: KM Drawing No:

MNLA Project No:

17-935

L-103



- NOTES:
1. SECTIONS ARE SHOWN AS REFERENCE ONLY TO CLARIFY SITE SOIL PROFILES.
 2. SECTIONS ARE NOT TO BE SCALED.
 3. SEE G-101 FOR TOP OF SUBGRADE.
 4. SEE G-102 FOR TOP OF CAP.
 5. SEE G-103 FOR FINISH GRADE.

Project:

QUARRY PARK

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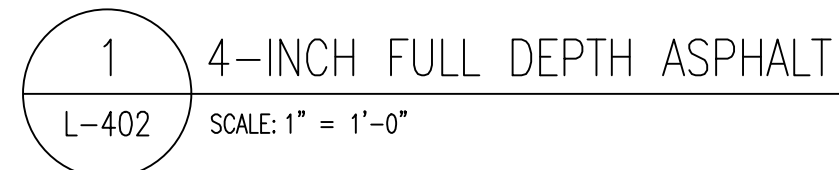
Project Phase:

100% CONSTRUCTION DOCUMENTS
ISSUE FOR BIDDING

Drawing Title:

SITE SECTIONS

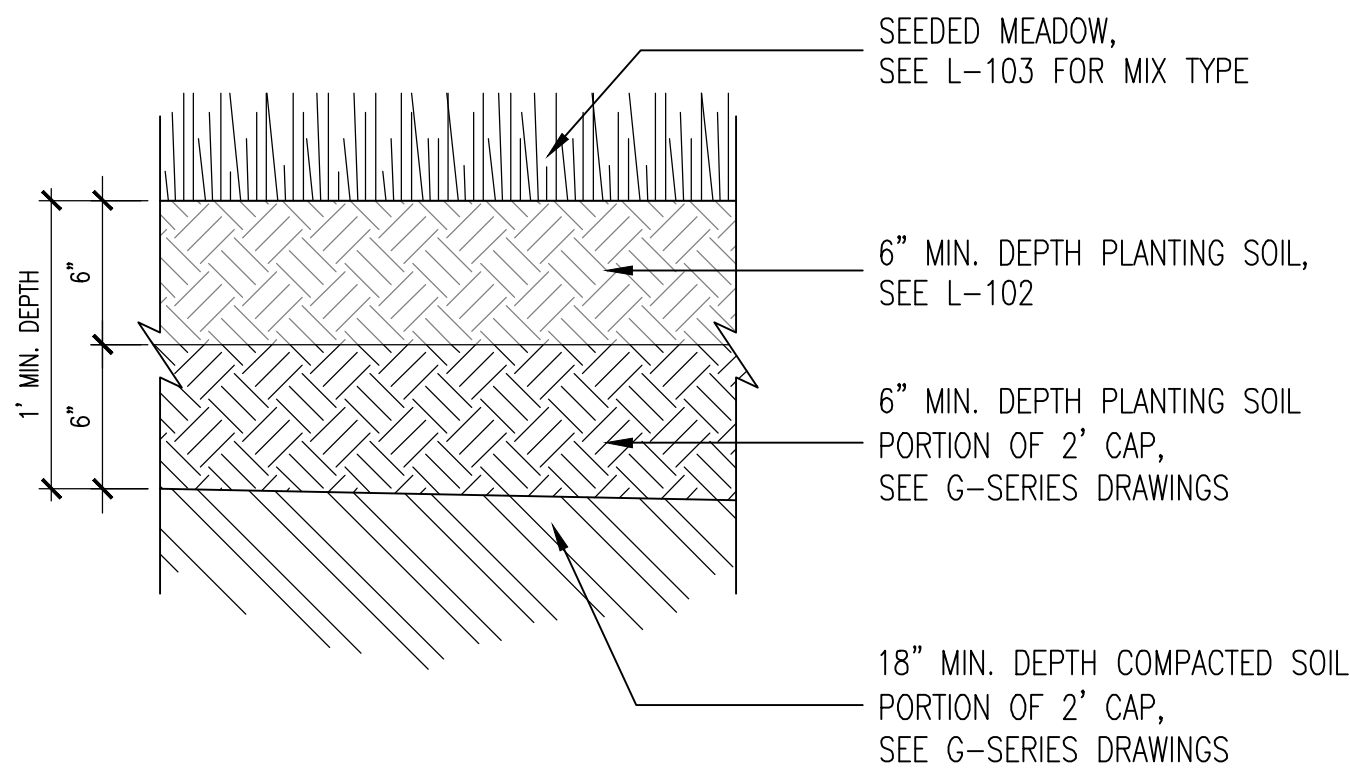
Scale:	1"=10'	Date:	25 OCTOBER 2018
Drawn By:	EVG	Sheet No:	20 OF 22
Checked By:	KM	Drawing No:	L-401
MNLA Project No:	17-935		



2 ALTERNATE
L-402 SCALE: 1/2" = 1'-0"

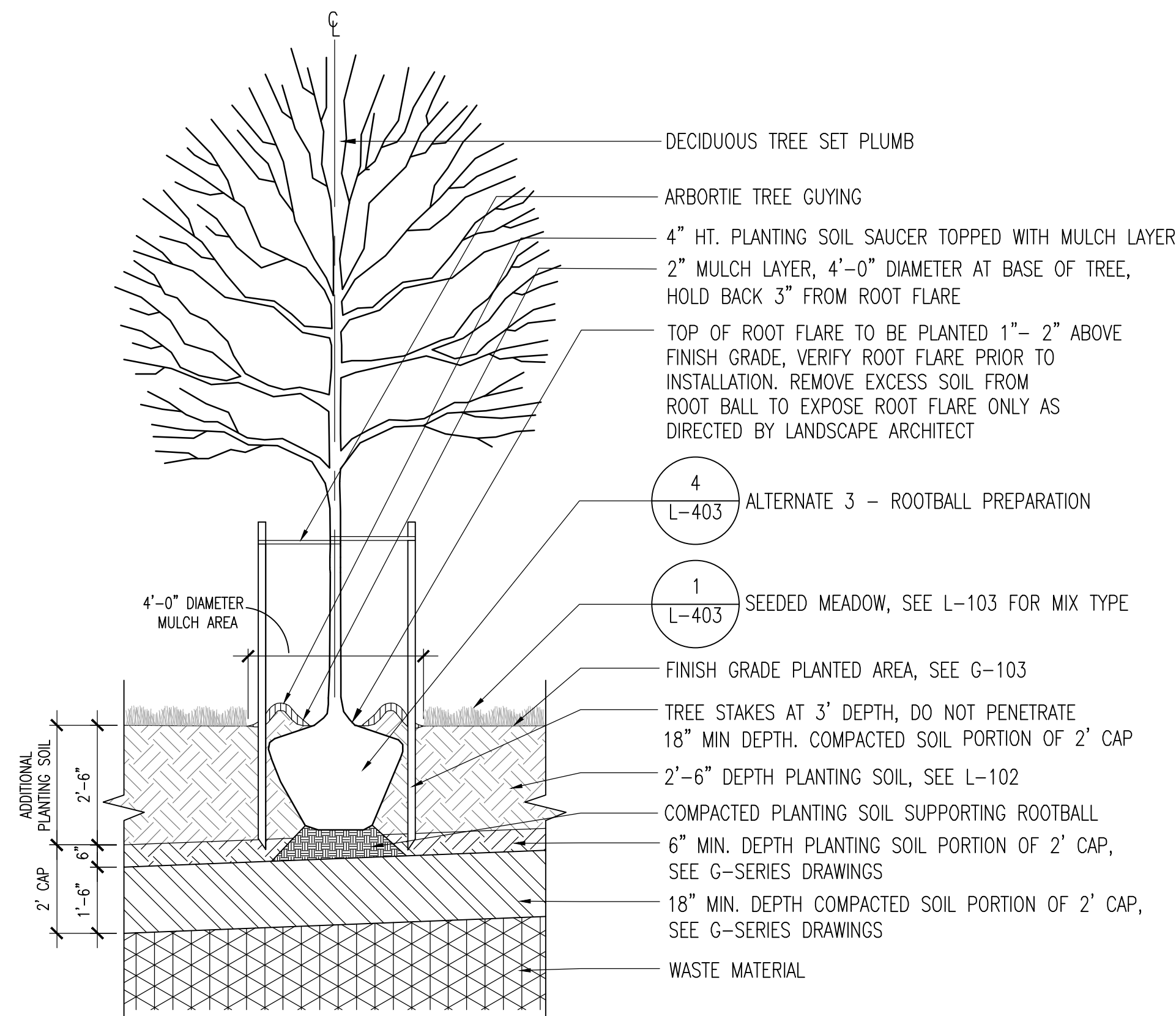
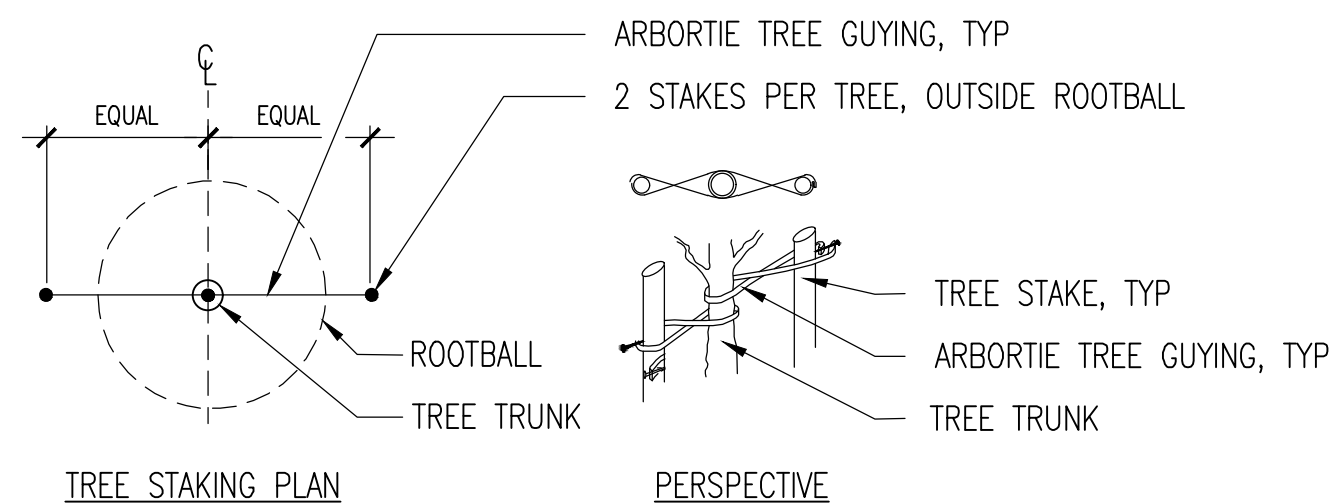


3 ALTERNATE
L-402 SCALE: 1/2" = 1'-0"

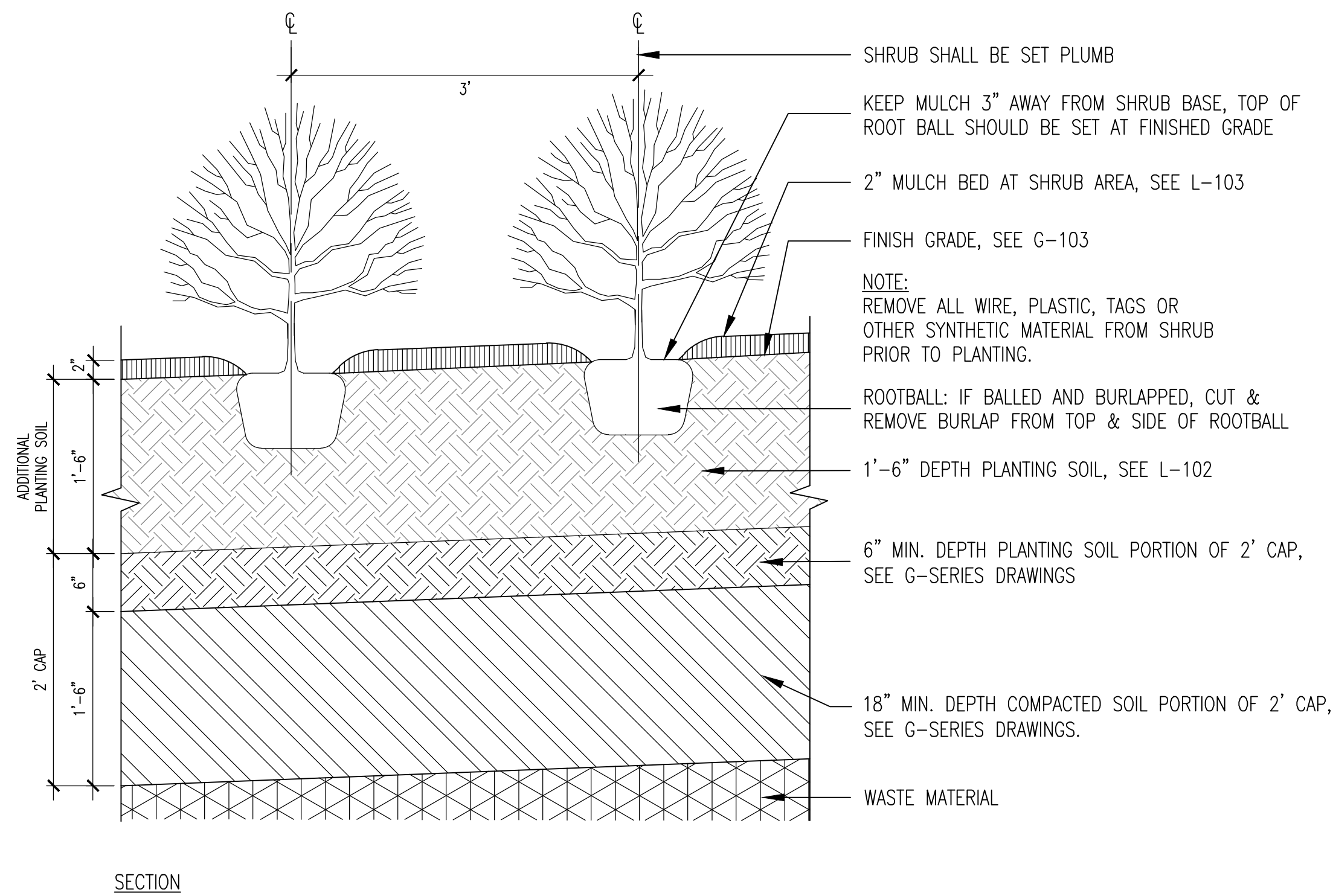
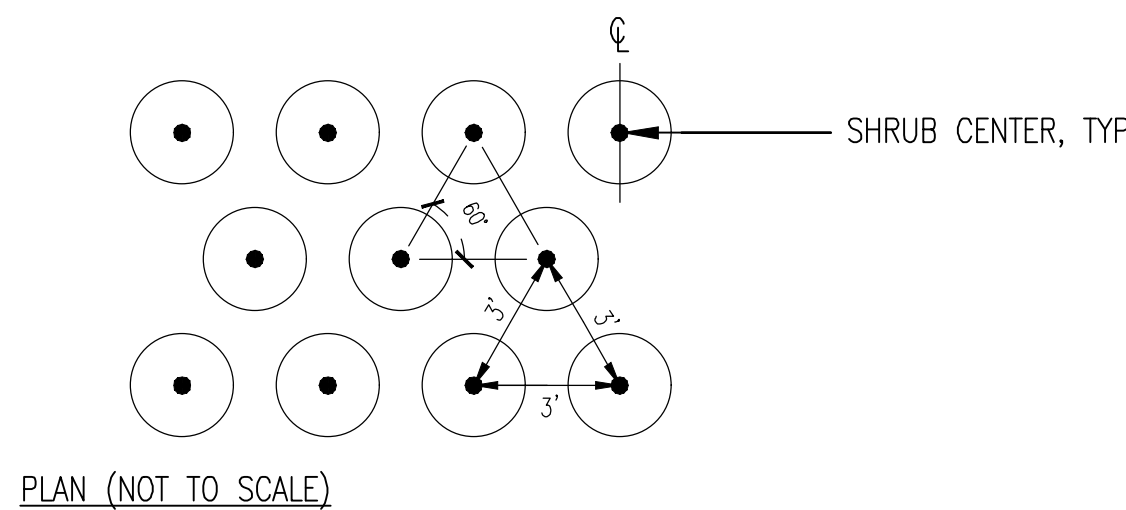


1 SEEDDED MEADOW
L-403 SCALE: 1 1/2" = 1'-0"

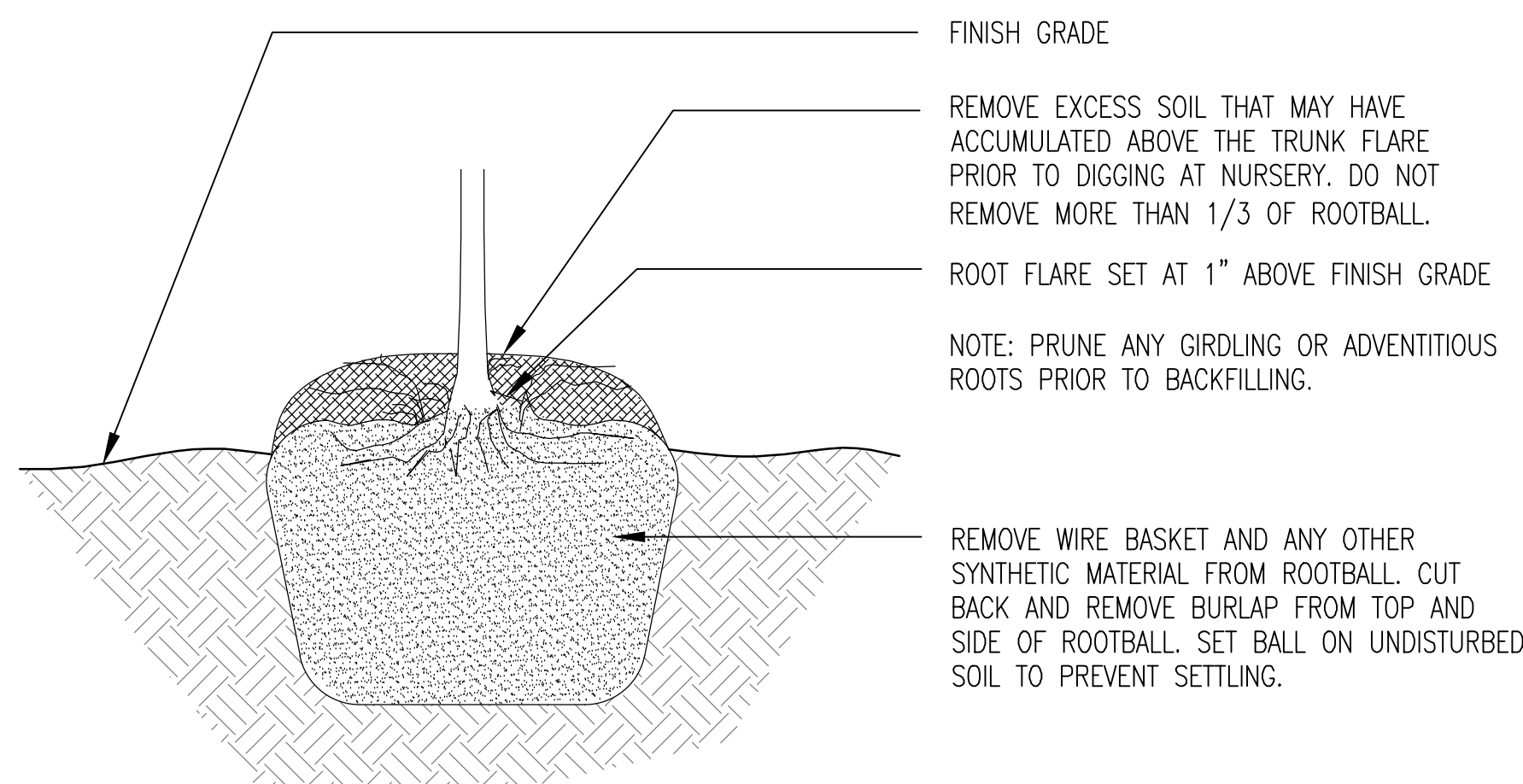
- NOTES:
1. WHEN PLANTING ON SLOPE, CORNER OF ROOTBALL TO BE AT LINE OF DOWNSLOPE OF PROPOSED GRADE.
 2. PLANTING HOLE WIDTH ACROSS (PARALLEL TO) SLOPE SHALL BE THREE TIMES TREE ROOTBALL WIDTH.



3 ALTERNATE 3 - DECIDUOUS TREE
L-403 SCALE: 3/8" = 1'-0"



2 ALTERNATE 2 - SHRUB PLANTING AT MULCHED BED
L-403 SCALE: 1" = 1'-0"



4 ALTERNATE 3 - ROOTBALL PREPARATION
L-403 SCALE: 1" = 1'-0"

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Project Phase:

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Drawing Title:

PLANTING DETAILS

Scale:	Date:
AS NOTED	25 OCTOBER 2018
Drawn By:	Sheet No:
EVG	22 OF 22
Checked By:	Drawing No:
KM	
MNLA Project No:	
17-935	

L-403