

EXISTING CONDITIONS NOTES

1. THE INFORMATION ON THIS MAP IS FROM THE NEWTON GEOGRAPHIC INFORMATION SYSTEM (GIS). THE CITY OF NEWTON CANNOT GUARANTEE THE ACCURACY OF THIS INFORMATION.
2. THIS PLAN DOES NOT WARRANTY NOR GUARANTEE THE LOCATION OF UTILITIES. THIS PLAN DOES NOT SHOW THE UTILITIES SERVICING OR EXISTING AT THIS SITE, IN SERVICE OR ABANDONED, UNRECORDED OR OF RECORD. ANY LABEL IDENTIFYING A STRUCTURE IS BASED ON FIELD INSPECTION AND/OR AVAILABLE PLANS AND SHOULD NOT BE CONSIDERED AS A DEFINITIVE DESCRIPTION OF EITHER THE UTILITY OR USAGE OF THE STRUCTURE.
3. THIS PLAN DOES NOT SHOW ANY RECORDED, UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. CONTRACTOR SHALL CONFIRM WITH THE OWNER'S REPRESENTATIVE OF ANY EASEMENTS THAT MAY EXIST.
4. AN APPROXIMATE FLOOD ZONE FLAGGING WAS PERFORMED BY THE CITY'S CONSERVATION OFFICE. THE FLOOD ZONE AREAS ARE TO BE CONFIRMED IN THE FIELD WITH THE OWNER'S REPRESENTATIVE.
5. ANY QUANTITIES SHOWN ON THE PLANS ARE FOR BIDDING PURPOSES ONLY. ALL BIDDERS ARE REQUIRED TO INSPECT THE PROJECT SITE IN ITS ENTIRETY PRIOR TO SUBMITTING THEIR BID, AND BECOME FAMILIAR WITH ALL CONDITIONS AS THEY MAY AFFECT THEIR BID. CONTRACTOR AND SUB-CONTRACTOR SHALL BE FAMILIAR WITH ALL DRAWINGS AND SPECIFICATIONS PRIOR TO COMMENCING CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES, PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES. CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING PRIOR TO EXCAVATION. CONTRACTOR SHALL ALSO CALL "DIG SAFE" AT (888) 344-7233 NO LESS THAN 72 BUSINESS HOURS PRIOR TO SUCH EXCAVATION. DOCUMENTATION OF REQUESTS SHALL BE PROVIDED TO OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO IMPLEMENT SITE IMPROVEMENTS.
8. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING. ITEMS ENCOUNTERED IN AREAS OF EXCAVATION THAT ARE NOT INDICATED ON THE DRAWINGS, BUT ARE VISIBLE ON SURFACE, SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REMOVED AT THE DISCRETION AND AT NO ADDITIONAL COST TO THE OWNER.
9. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE THE PROJECT LIMITS, SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THEIR EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS, INCLUDING BUT NOT LIMITED TO, THE ERECTION OF TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERING, OR FENCES AS NEEDED.
11. CONTRACTOR'S STAGING AREA MUST BE WITHIN AREAS APPROVED BY OWNER. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE IN WRITING.
12. THE CONTRACTOR SHALL KEEP ALL STREETS AND WALKS THAT ARE NOT RESTRICTED FROM PUBLIC USE DURING CONSTRUCTION NEAT AND CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE ACCEPTABLE METHODS AND MATERIALS TO MAINTAIN ADEQUATE DUST CONTROL THROUGHOUT CONSTRUCTION.
13. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER'S REPRESENTATIVE.



1 POINT OF BEGINNING
SCALE:



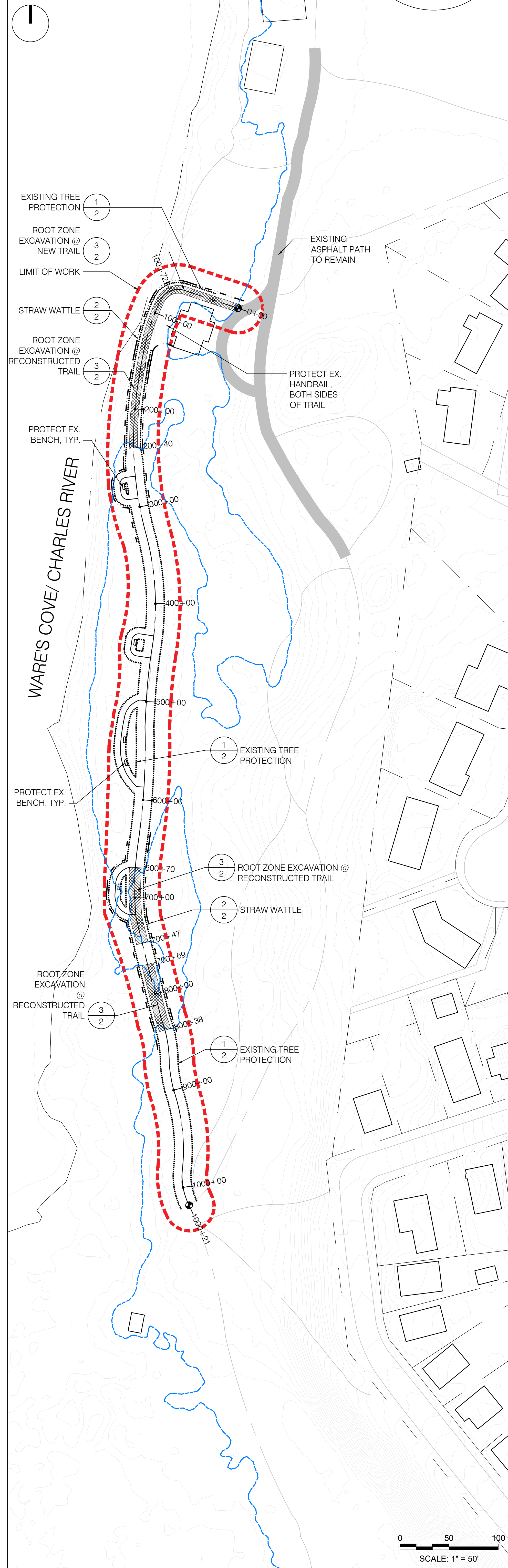
2 TYPICAL TRAIL CONDITIONS
SCALE:



3 END POINT
SCALE:

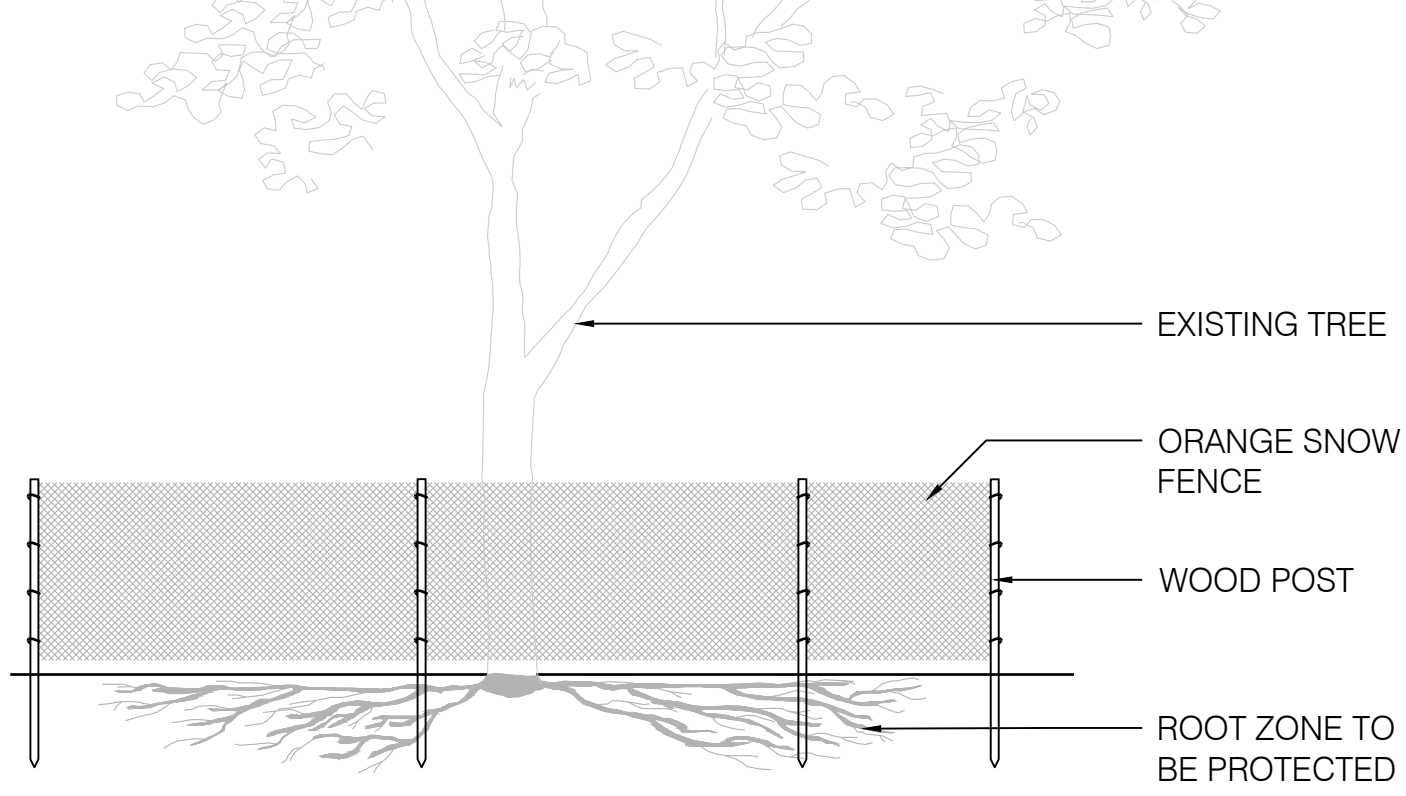
LEGEND

- | | | |
|------------------------------|--|--|
| LIMIT OF WORK | STRIP AND REMOVE EXISTING TRAIL | STATION LINE/ POINT OF BEGINNING/END POINT |
| FLOOD PLAIN LINE | ACCESSIBLE STONE DUST SURFACE | TREE PROTECTION |
| EROSION AND SEDIMENT CONTROL | COMPACTED RIVER STONE TACTILE SHOULDER | LP LOW POINT + TRAIL DIP |
| CONSTRUCTION FENCE | EXISTING BENCH | |

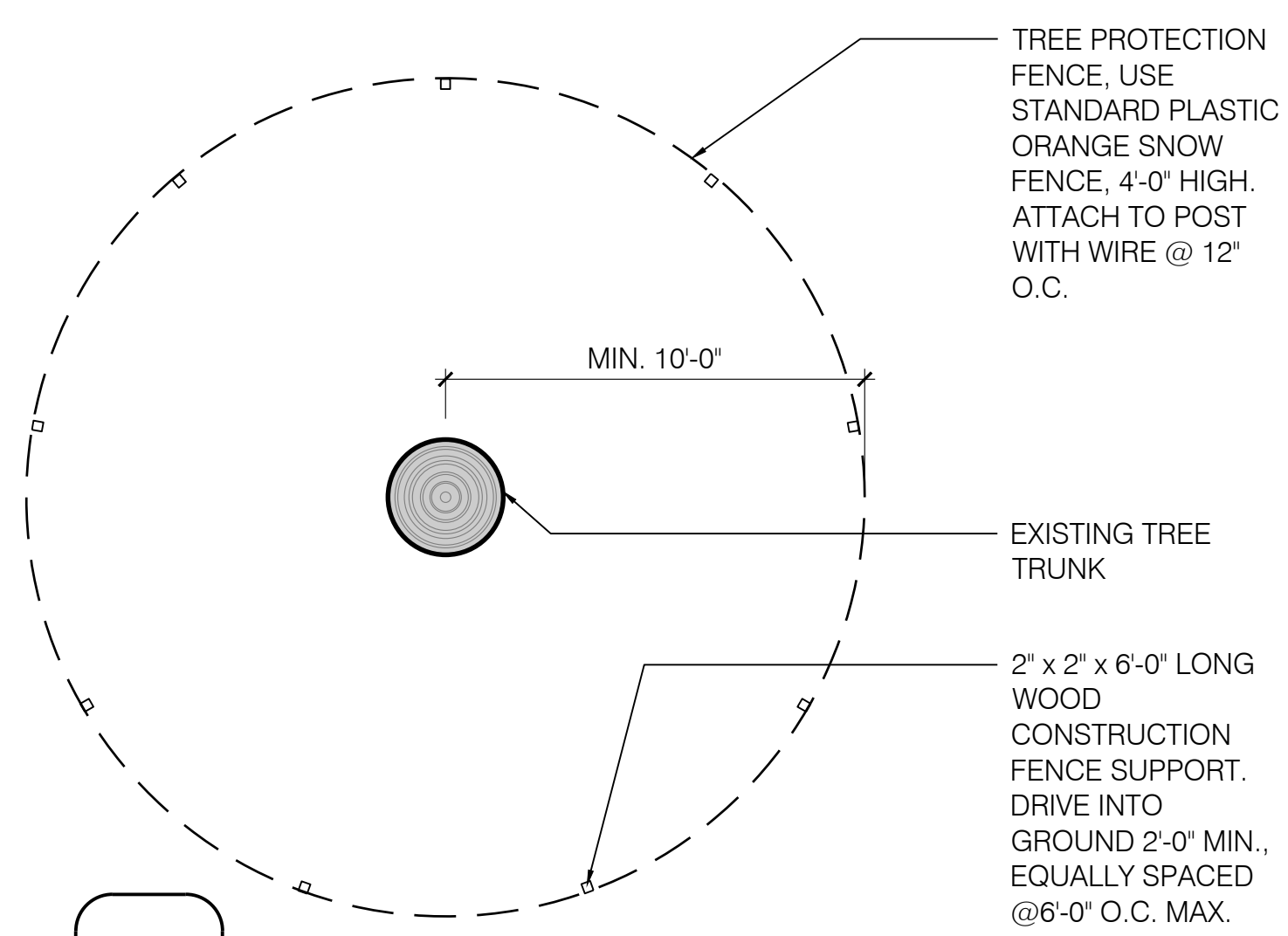


EROSION CONTROL, DEMOLITION & SITE PREPARATION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO COMPLETE THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS AND DETAILS TO DETERMINE EXCAVATION AND DEMOLITION REQUIREMENTS AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
2. THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE TO A DESIGNATED MUNICIPAL PROPERTY AT NO ADDITIONAL COST.
3. UNLESS SPECIFICALLY NOTED TO BE REMOVED AND STOCKPILED OR REUSED AND RELOCATED, ALL SITE FEATURES CALLED TO BE REMOVED SHALL BE REMOVED WITH BASE MATERIAL, ETC, TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AND AT NO ADDITIONAL COST TO THE OWNER.
4. ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
5. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN, OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
6. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN. CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIERS AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING THEIR OPERATIONS.
7. THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY THE OWNER. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

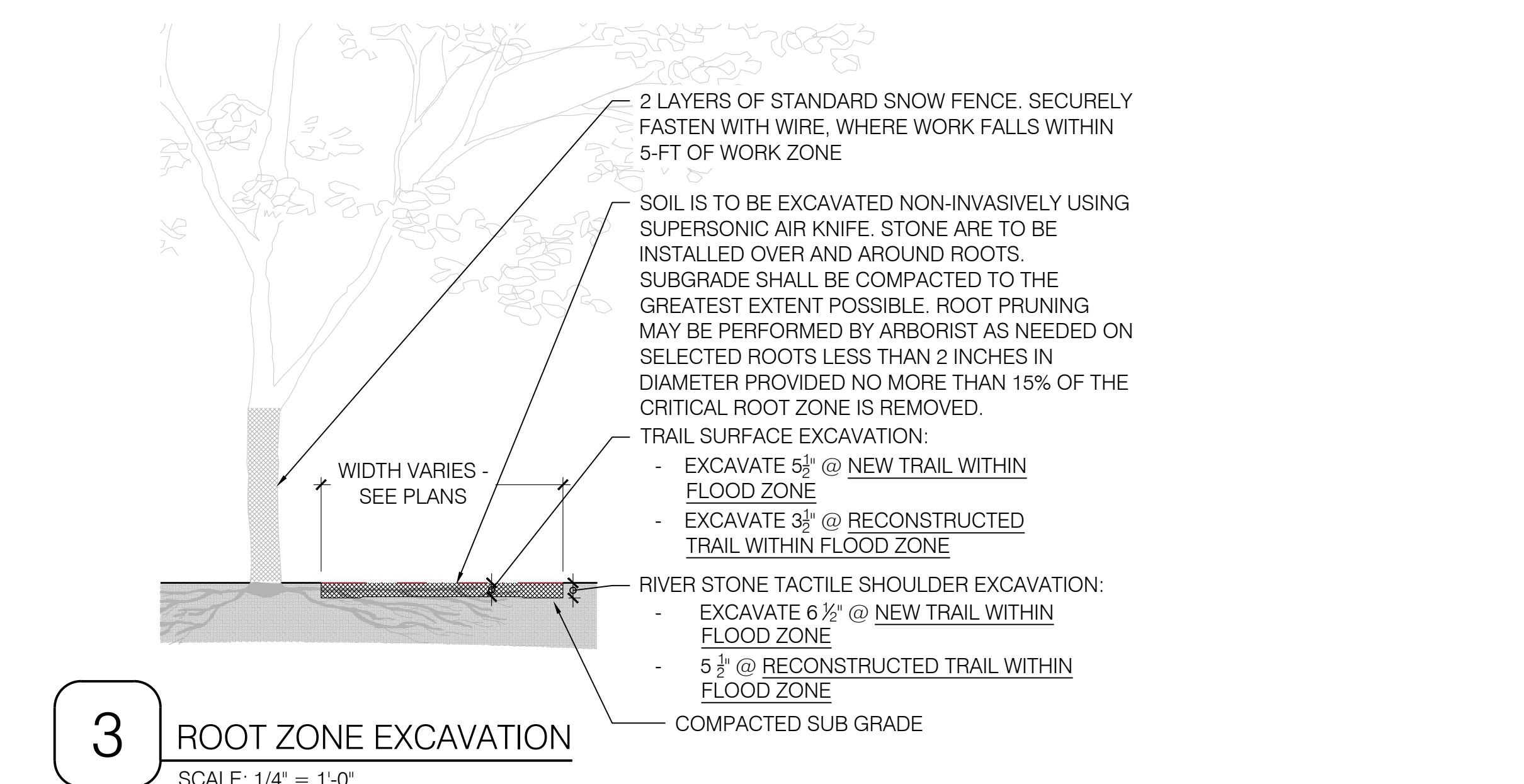


- NOTE:**
1. FOR TREES THAT OCCUR IN GROUPS PROVIDE TREE PROTECTION FENCE AROUND ENTIRE AREA. SEE PLAN FOR LOCATIONS.
 2. ALL WORK DONE WITHIN PROTECTIVE BARRIERS IS TO BE DONE BY HAND AND LIGHT EQUIPMENT. WHERE HEAVY EQUIPMENT IS REQUIRED, CONTRACTOR SHALL PROVIDE ADEQUATE 3/4" PLYWOOD SHEETS OVER CRITICAL ROOT ZONE.
 3. WHERE SPACE IS AVAILABLE, TREE PROTECTION FENCING TO BE PLACED A MINIMUM OF 10-FT FROM BASE OF TREE.
 4. CITY ARBORIST TO APPROVE EQUIPMENT. CRITICAL ROOT ZONE TO BE PROTECTED. ALL WORK NECESSARY WITHIN THE CRITICAL ROOT ZONE SHALL BE PERFORMED BY HAND AND LIGHT EQUIPMENT. TO BE APPROVED BY ARBORIST.
 5. ROOTS EXPOSED DURING EXCAVATION SHALL BE NEATLY CUT AND COVERED WITH SOIL IMMEDIATELY.
 6. MAINTAIN FENCE PROTECTION IN SOUND CONDITION FOR DURATION OF CONSTRUCTION. THE CITY'S ARBORIST MUST BE ON SITE PRIOR TO COMMENCING ANY WORK TO REVIEW AND LOCATE TREE PROTECTION FENCING. ROOTS EXPOSED WITHIN THE CRITICAL ROOT ZONE MUST BE APPROVED BY THE CITY'S ARBORIST PRIOR TO CUTTING.



1 EXISTING TREE PROTECTION
SCALE: 1/4" = 1'-0"

2 STRAW WATTLE
SCALE: 3/8" = 1'-0"



3 ROOT ZONE EXCAVATION
SCALE: 1/4" = 1'-0"

LEGEND

	LIMIT OF WORK		STRIP AND REMOVE EXISTING TRAIL
	FLOOD PLAIN LINE		ACCESSIBLE STONE DUST SURFACE
	EROSION AND SEDIMENT CONTROL		COMPACTED RIVER STONE TACTILE SHOULDER
	TREE PROTECTION		EXISTING BENCH

- STATION LINE/ POINT OF BEGINNING
- LP LOW POINT + TRAIL DIP

CITY OF NEWTON
MASSACHUSETTS
DEPARTMENT OF PARKS, RECREATION & CULTURE
FOR THE RECONSTRUCTION OF
AUBURNDALE PARK
MARTY SENDER PATH PH 1
SITE PREPARATION & DEMOLITION PLAN
SCALE: AS NOTED DATE: 07/30/2021 SHEET 2 OF 4

LAYOUT & MATERIALS NOTES

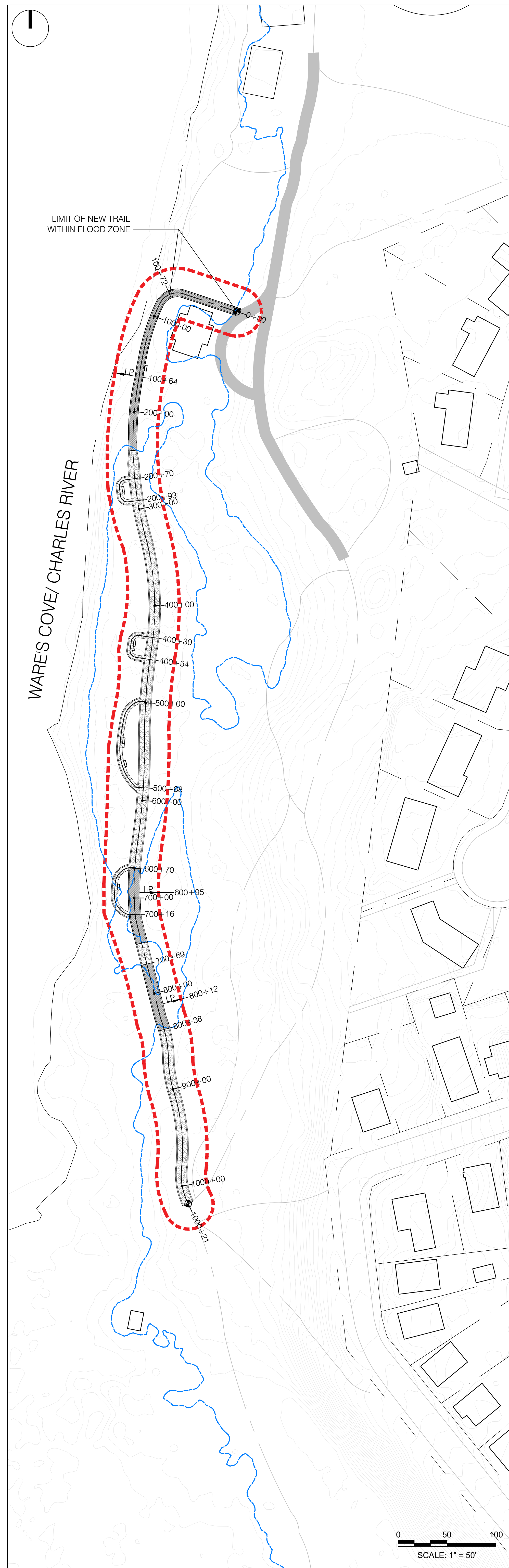
- COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
- ALL WORK SHALL BE PERFORMED BY CONTRACTOR UNLESS SPECIFICALLY INDICATED THAT THE WORK WILL BE PERFORMED "BY CITY".
- ALL LAYOUT LINES, OFFSETS, OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE DESIGNATED WITH ANGLE OFFSETS NOTED.
- ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER.
- ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES. ALL PATHWAY WIDTHS SHALL BE AS NOTED ON THE LAYOUT AND MATERIALS PLAN.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENT OF ALL PROPOSED RAILINGS.
- THE DEPTH OF LOAM BORROW FOR ALL PROPOSED LAWN AREAS SHALL BE 6" MINIMUM. ALL DISTURBED AREAS SHALL BE RESTORED WITH LOAM AND SEED UNLESS OTHERWISE NOTED.
- ALL REFERENCES TO LOAM AND SEED (L&S) REFER TO HYDROMULCH SEEDED LAWN. SEE SPECIFICATIONS.
- WALKWAYS SHALL MAINTAIN A CROSS PITCH OF NOT MORE THAN ONE AND A HALF (1.5%) PERCENT. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.

GRADING & DRAINAGE NOTES

- THE CONTRACTOR SHALL VERIFY ALL GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
- ALL GRADING IS TO BE SMOOTH AND CONTINUOUS WHERE PROPOSED SURFACE MEETS EXISTING SURFACE. BLEND THE TWO PAVEMENTS AND ELIMINATE ROUGH SPOTS AND ABRUPT GRADE CHANGES AND MEET LINE AND GRADE OF EXISTING CONDITIONS WITH NEW IMPROVEMENTS.
- CONTRACTOR SHALL ENSURE ALL AREAS ARE PROPERLY PITCHED TO DRAIN, WITH NO SURFACE WATER PONDING OR PUDDLING.
- ALL NEW WALKWAYS MUST CONFORM TO CURRENT AMERICANS WITH DISABILITIES ACT (ADA), AND MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) REGULATIONS: WALKWAYS SHALL MAINTAIN A CROSS PITCH OF NOT MORE THAN ONE AND A HALF (1.5%) PERCENT AND THE RUNNING SLOPE (PARALLEL TO THE DIRECTION OF TRAVEL) BETWEEN 1% MIN. AND 4.5% MAX., UNLESS OTHERWISE NOTED. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
- ALL UTILITY GRATES, COVERS OR OTHER SURFACE ELEMENTS INTENDED TO BE EXPOSED AT GRADE SHALL BE FLUSH WITH THE ADJACENT FINISHED GRADE AND ADJUSTED OR REMODELED TO PROVIDE A SMOOTH TRANSITION AT ALL EDGES.
- THE CONTRACTOR SHALL CONFIRM AND/OR SET SUBGRADE ELEVATIONS TO ALLOW FOR POSITIVE DRAINAGE AND PROVIDE EROSION CONTROL DEVICES, STRUCTURES, MATERIALS AND CONSTRUCTION METHODS TO DIRECT SILT MIGRATION AWAY FROM DRAINAGE AND OTHER UTILITY SYSTEMS, PUBLIC/PRIVATE STREETS AND WORK AREAS. CLEAN BASINS REGULARLY AND AT THE END OF THE PROJECT.
- EXCAVATION REQUIRED WITHIN PROXIMITY OF KNOWN EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- WHERE NEW EARTHWORK MEETS EXISTING EARTHWORK, CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDS AT ALL TOP AND BOTTOM OF SLOPES.
- WHERE A SPECIFIC LIMIT OF WORK LINE IS NOT OBVIOUS OR IMPLIED, BLEND GRADES TO EXISTING CONDITIONS WITHIN 5 FEET OF PROPOSED CONTOURS.
- RESTORE ALL DISTURBED AREAS AND LIMITS OF ALL REMOVALS TO LOAM AND SEED (L&S) UNLESS OTHERWISE NOTED.
- SEE EARTHWORK SECTION OF SPECIFICATIONS FOR EXCAVATION AND FILLING PROCEDURES.

Quantity Summary

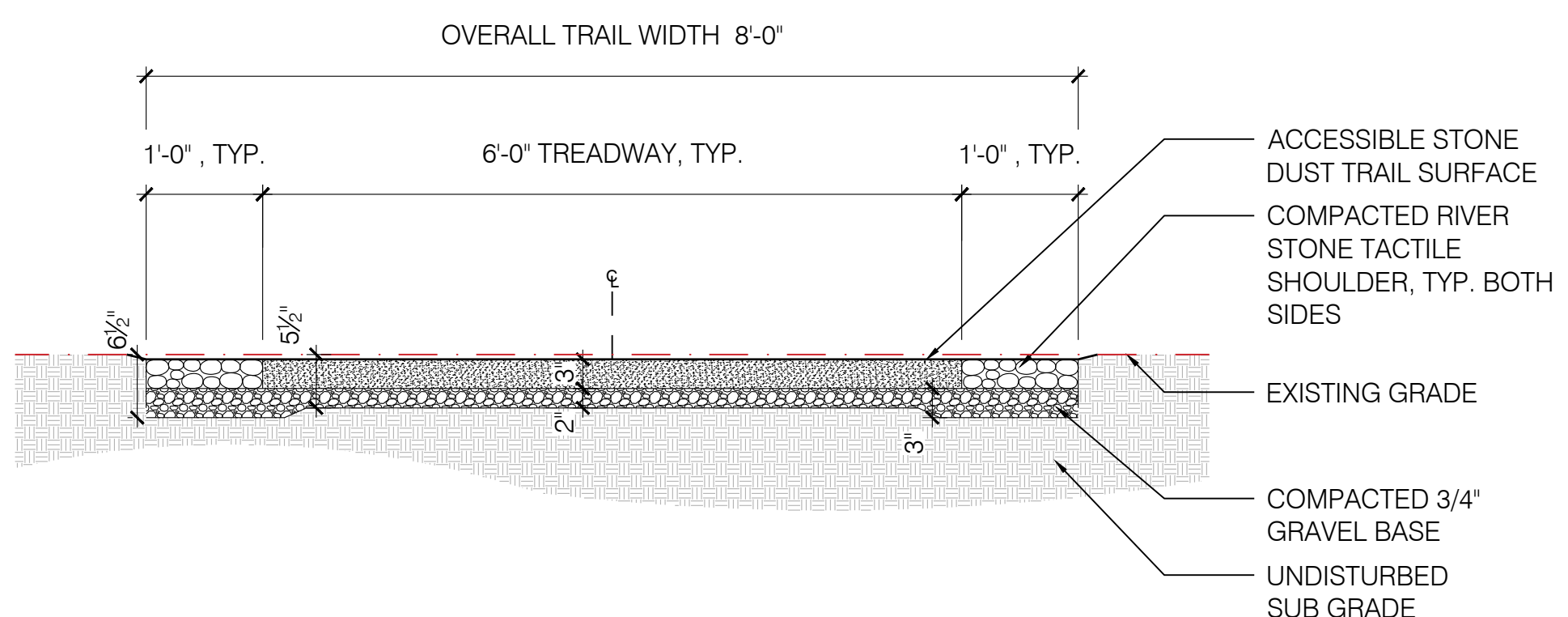
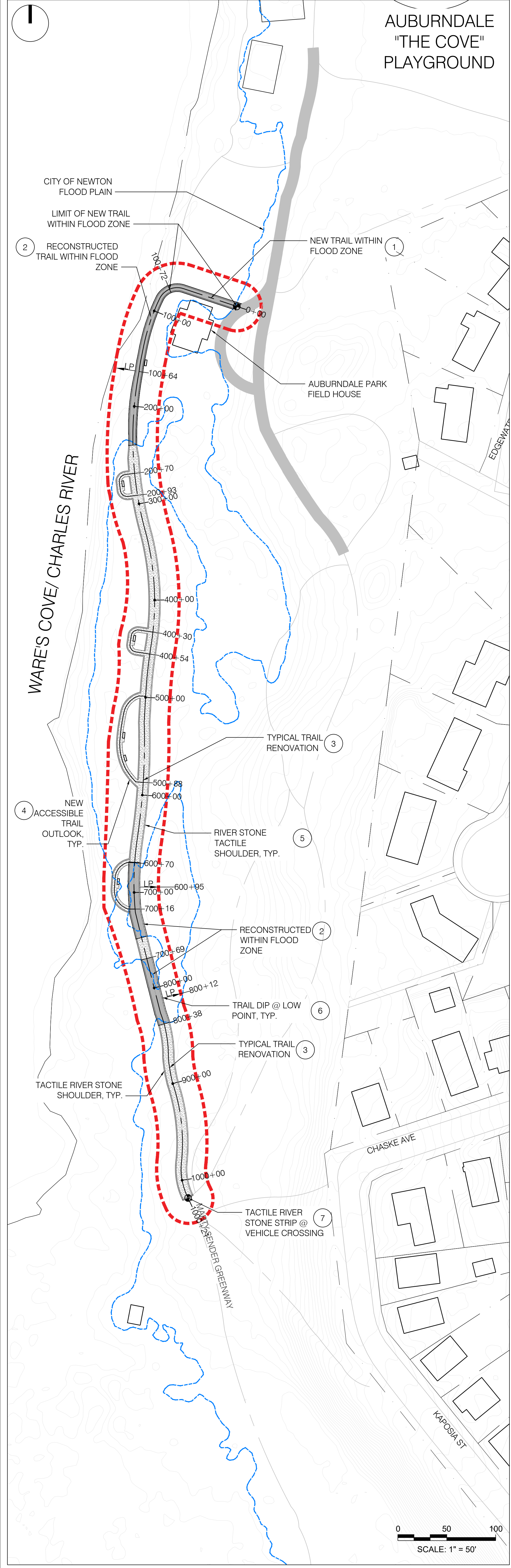
	Square Feet	Depth in inches	Total Cubic Yards	Unit Conversion	Unit
New Trail within Flood Zone					
Excavation - Treadway	434	5.5	7.39	NA	CY
Gravel Base - Treadway	434	2	2.68	NA	CY
Accessible Stone Dust Trail Surface w/ Stabilizer	434	3	4.02	5.63	TON
Excavation - Shoulder	145	6.5	2.90	NA	CY
Gravel Base - Shoulder	145	3	2.90	NA	CY
River Stone Shoulder	145	3	1.34	1.88	TON
Reconstructed Trail within Flood Zone					
Excavation - Treadway	2534	3.5	27.22	NA	CY
Accessible Stone Dust Trail Surface w/ Stabilizer	2534	3	23.46	32.85	TON
Excavation - Shoulder	3096	5.5	28.67	NA	CY
Gravel Base - Shoulder	619	2	3.82	NA	CY
River Stone Shoulder	619	3	5.73	8.02	TON
Typical Trail and Outlook Renovation					
Accessible Stone Dust Trail Surface w/ Stabilizer	7611	3	70.47	98.66	TON
Excavation - Shoulder	1210	5.5	11.20	NA	CY
Gravel Base - Shoulder	288	2	1.78	NA	CY
River Stone Shoulder	288	3	2.67	3.73	TON
Erosion Control & Tree Protection					
Tree Protection	2212			NA	LF
Straw Wattle	953			NA	LF



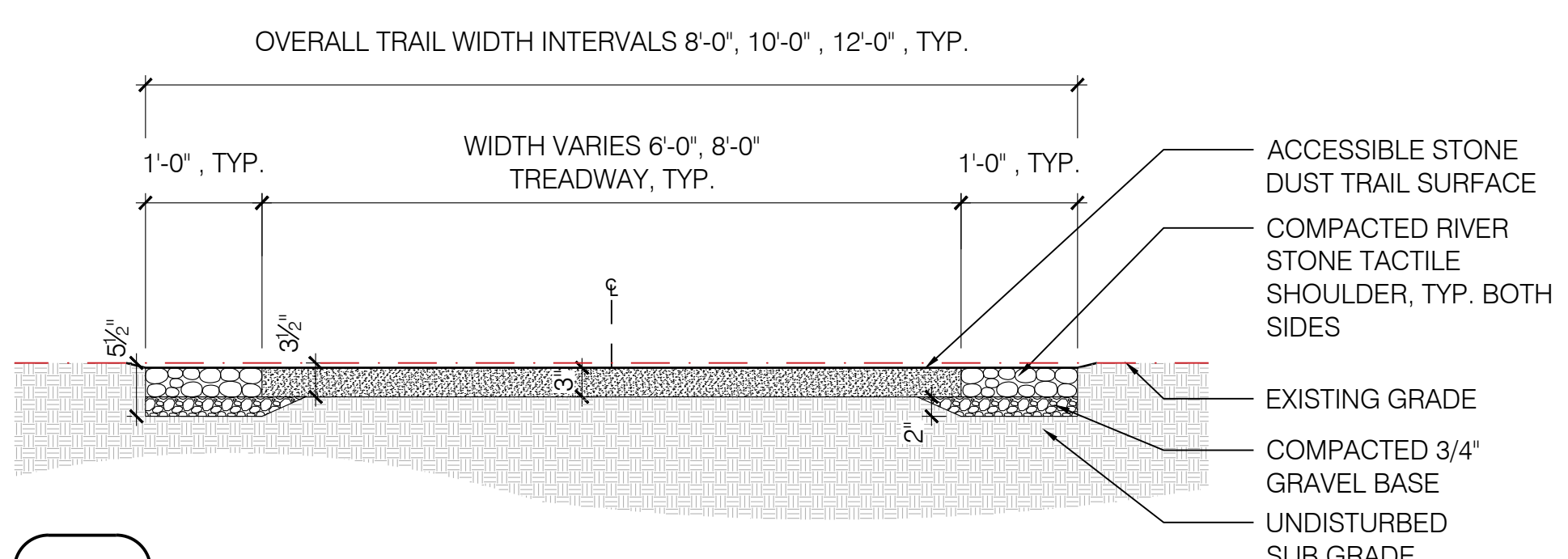
LEGEND

- | | | |
|------------------------------|--|----------------------------------|
| LIMIT OF WORK | STONE DUST SURF. IN FLOOD ZONE | STATION LINE/ POINT OF BEGINNING |
| FLOOD PLAIN LINE | ACCESSIBLE STONE DUST SURFACE | LP LOW POINT + TRAIL DIP |
| EROSION AND SEDIMENT CONTROL | COMPACTED RIVER STONE TACTILE SHOULDER | |
| TREE PROTECTION | EXISTING BENCH | |

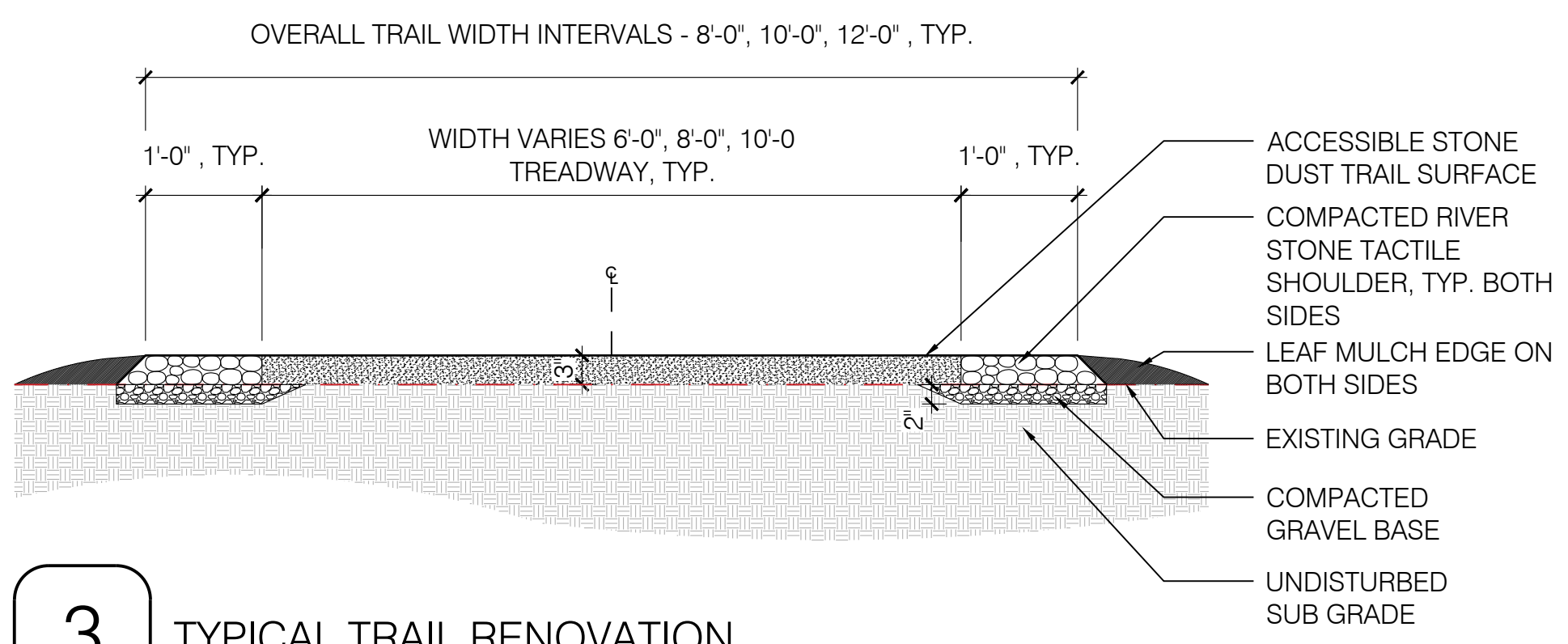
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MARTY SENDER PATH PH 1
 SITE PREPARATION & DEMOLITION PLAN
 SCALE: AS NOTED DATE: 07/30/2021 SHEET 3 OF 4



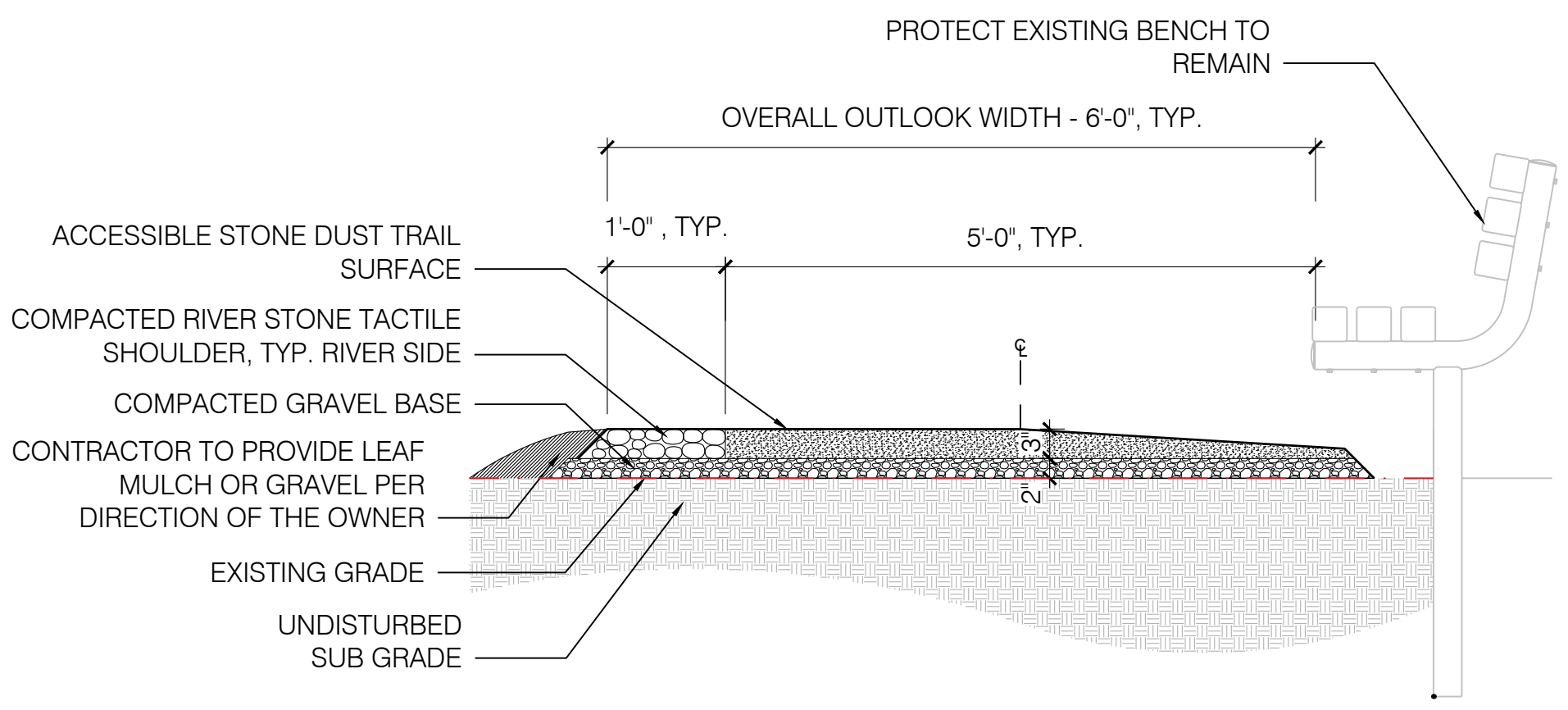
1 NEW TRAIL WITHIN FLOOD ZONE
SCALE: 3/4" = 1'-0"



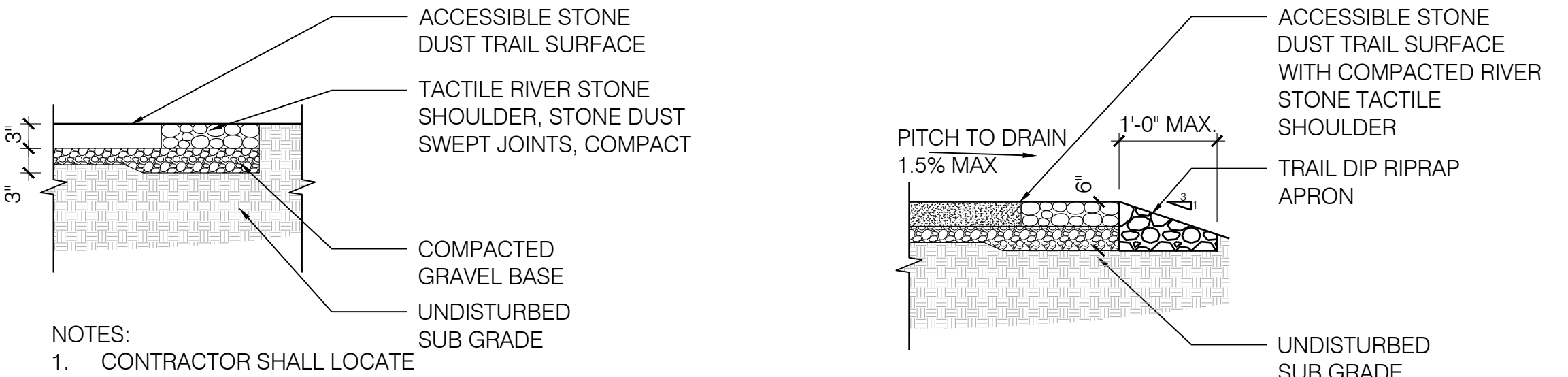
2 RECONSTRUCTED TRAIL WITHIN FLOOD ZONE
SCALE: 3/4" = 1'-0"



3 TYPICAL TRAIL RENOVATION
SCALE: 3/4" = 1'-0"

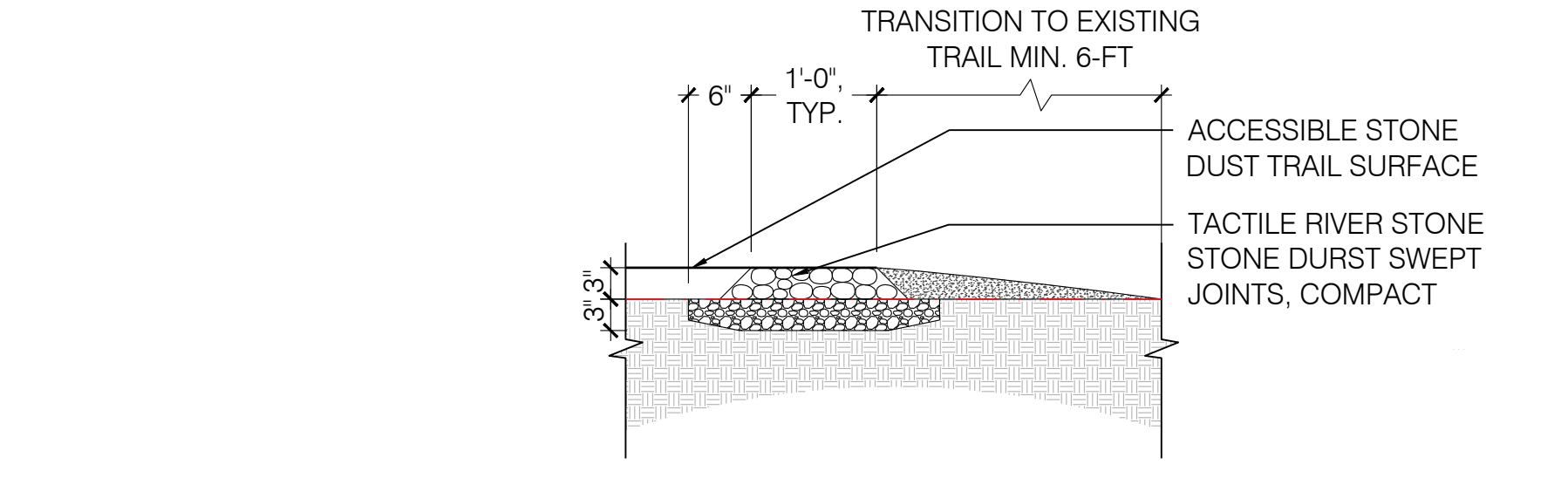


4 TYPICAL TRAIL OUTLOOK
SCALE: 3/4" = 1'-0"



5 RIVER STONE TACTILE SHOULDER
SCALE: 3/4" = 1'-0"

6 TRAIL DIP AT LOW POINT
SCALE: 3/4" = 1'-0"



7 RIVER STONE TACTILE WARNING STRIP
SCALE: 3/4" = 1'-0"

LEGEND

	LIMIT OF WORK		STONE DUST SURF. IN FLOOD ZONE
	FLOOD PLAIN LINE		ACCESSIBLE STONE DUST SURFACE
	EROSION AND SEDIMENT CONTROL		COMPACTED RIVER STONE TACTILE SHOULDER
	TREE PROTECTION		EXISTING BENCH

- STATION LINE/ POINT OF BEGINNING
- LOW POINT + TRAIL DIP

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