

ISSUE FOR BID

TROUT VALLEY NATURE PARK

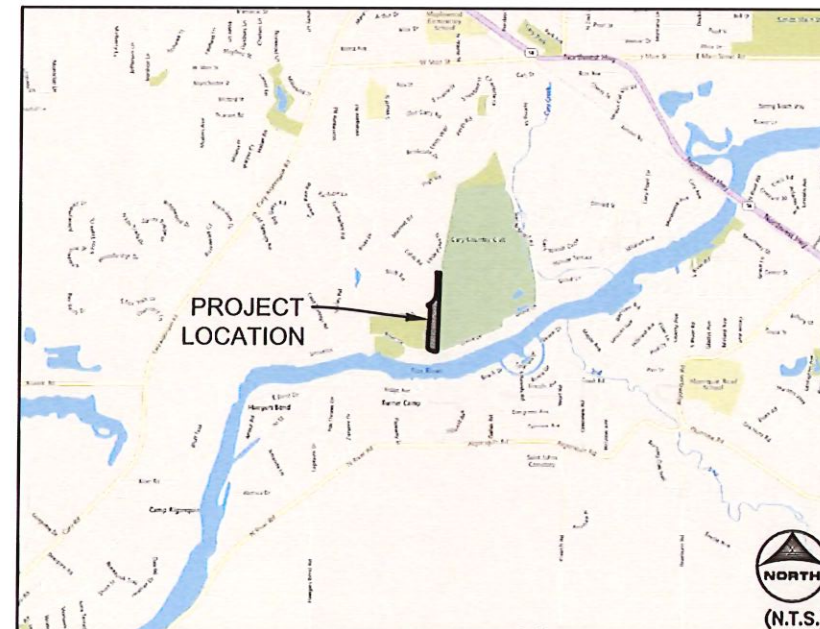
VILLAGE OF TROUT VALLEY

P.O. BOX 621

2026



LOCATION MAP



PROJECT AREA = 5.43 AC



1391 CORPORATE DRIVE, SUITE 203 | McHENRY, IL 60050
Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com

MAYOR:

VILLAGE OF TROUT VALLEY
P.O. BOX 621
CARY, IL 60013
PHONE: (224) 374-9108
BOB BAKER - MAYOR

PROJECT ENGINEER:

HR GREEN INC.,
1391 CORPORATE DRIVE, SUITE 203
McHENRY, IL 60050
PHONE: (815) 385-1778
ANDREA PRACHT, P.E., - PROJECT MANAGER

CERTIFICATION

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Illinois. ANDREA H. PRACHT, P.E. License Number: 062-056313 My license renewal date is November 30, 2027. Pages or sheets covered by this seal: ALL SHEETS DATE _____
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ISSUE FOR BID
NOT FOR CONSTRUCTION

SITE BENCHMARK:

SOURCE BENCHMARK:
NGS MONUMENT - BH01 (PID NH1709)
FROM THE INTERSECTION OF MAIN AND HUGH STREETS IN BARRINGTON HILLS, 6.25 MILES WEST TO THE INTERSECTION WITH HAEGER'S BEND ROAD (ALSO KNOWN AS ALMEDA ROAD). NORTH 2.0 MILES ON HAEGER'S BEND ROAD TO THE INTERSECTION OF NORTH RIVER ROAD (ALSO KNOWN AS ALGONQUIN ROAD) CONTINUE NORTH ON HAEGER'S BEND 0.15 MILES TO THE STATION ON THE LEFT (WEST). LOCATED 10 FEET WEST OF THE BACK OF CURB OF HAEGER'S BEND OPPOSITE THE DRIVE TO HOUSE NUMBER 9919, 0.15 MILES NORTH OF THE INTERSECTION OF HAEGER'S BEND AND NORTH RIVER ROAD. REFERENCES: 335 DEGREES 72.8 FEET UTILITY POLE; 57 DEGREES 10.0 FEET BACK OF CURB, 30 DEGREES 53.3 FEET TELEPHONE CABLE MARKER.
ELEVATION = 760.59 FEET (NAVD83)

SITE BENCHMARK 1 (CP #3)
MAG NAIL SET IN THE SOUTH EDGE OF PAVEMENT OF RIVER ROAD, APPROXIMATELY 9.5 FEET WEST OF SOUTHERLY EXTENSION OF GOLF LANE.
ELEVATION = 739.34 (NAVD 83)

SITE BENCHMARK 2 (CP #5)
MAG NAIL SET IN THE EAST EDGE OF PAVEMENT OF GOLF LANE AT THE EASTERLY EXTENSION OF FOX HARBOR ROAD.
ELEVATION = 741.27 (NAVD 83)

SITE BENCHMARK 3 (CP #7)
MAG NAIL SET IN THE SOUTH EDGE OF PAVEMENT OF CAHILL DRIVE, APPROXIMATELY 26 FEET NORTHWESTERLY OF THE MAILBOX FOR HOUSE #57 AND 76 FEET EASTERLY OF THE MAILBOX FOR HOUSE #56.
ELEVATION = 752.13 (NAVD 83)

NOTE:

- HR GREEN, INC. IS TO BE NOTIFIED 3 DAYS PRIOR TO CONSTRUCTION START.
- ANY DISCREPANCIES ON THIS PLAN SET MUST BE NOTED AND HR GREEN, INC. NOTIFIED PRIOR TO ACTUAL CONSTRUCTION.

Dial 811 or 1-800-892-0123



Know what's below.
Call before you dig.

CALL JULIE 1-800-892-0123

WITH THE FOLLOWING:
COUNTY McHenry
CITY/TOWNSHIP Trout Valley - Algonquin
SEC. & 1/4 SEC. NO. NW 1/4 OF SEC. 24-T43N-R8E

48 hours before you dig
(Excluding Sat., Sun. & Holidays)

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NO.	DATE	BY	REVISION DESCRIPTION



TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

GENERAL
COVER SHEET

SHEET NO.
G001

SUMMARY OF QUANTITIES

	CODED PAY ITEMS	UNITS	QTY
1	MOBILIZATION	LSUM	1
2	CONSTRUCTION LAYOUT	LSUM	1
3	STABILIZED CONSTRUCTION ENTRANCE	EACH	1
4	TRAFFIC CONTROL AND PROTECTION - SPECIAL	LSUM	1
5	INLET AND PIPE PROTECTION	EACH	1
6	TEMPORARY DITCH CHECK	EACH	3
7	PERIMETER EROSION BARRIER	FOOT	3,205
8	TREE REMOVAL, ACRES	ACRE	5.4
9	SOIL PREPARATION & HERBICIDING (2X) PRIOR TO NATIVE SEEDING	ACRE	3.9
10	TOPSOIL EXCAVATION AND PLACEMENT - 6"	CU YD	1,326
11	EARTH EXCAVATION	CU YD	2,621
12	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,209
13	NATURAL LIMESTONE OUTCROPPINGS (12"-48")	SQ.FT	739
14	SEEDING, CLASS 1B	ACRE	0.6
15	NATIVE SEEDING - MESIC SHORTGRASS PRAIRIE	ACRE	3.2
16	NATIVE SEEDING - WET MESIC PRAIRIE	ACRE	0.1
17	NATIVE SEEDING - WET PRAIRIE SEED	ACRE	0.6
18	EROSION CONTROL BLANKET, S75-BN	SQ YD	21,790
19	TURF REINFORCEMENT MAT	SQ YD	6
20	PAVILLION STRUCTURE - PREFABRICATED	LSUM	1
21	BENCHES	EACH	8
22	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	112
23	GEOTEXTILE FABRIC	SQ YD	4,268
24	CRUSHED GRAVEL TRAIL - MAIN, LABYRINTH	SQ YD	1,911
25	INCIDENTAL HOT MIX ASPHALT SURFACING, MIX "D", IL-9.5, N50, 3"	TON	77
26	ELEVATED WALKWAY	FOOT	387
27	NATIVE HERBACEOUS PERENNIAL PLANTING (EMERGENT PLANT PLUGS)	EACH	475
28	DECIDUOUS TREE 2" CALIPER, BALLED AND BURLAPPED	EACH	27
29	EVERGREEN TREE 6FT HT, BALLED AND BURLAPPED	EACH	60
30	DECIDUOUS SHRUB, CONTAINER GROWN, 5-GALLON	EACH	7
31	EVERGREEN SHRUB, CONTAINER GROWN, 5-GALLON	EACH	29
32	PERENNIAL, CONTAINER GROWN, 1-GALLON	EACH	8
33	BALANCE CHALLENGE ELEMENT	EACH	6
34	DECORATIVE BOULDER	EACH	5
35	TREE PROTECTION	EACH	6
36	SOLAR POWER PANEL ASSEMBLY	EACH	1
37	SOLAR POND AERATOR	EACH	1
38	TRASH RECEPTACLES	EACH	2
39	DOG WASTE STATIONS	EACH	2
40	FISHING LINE RECYCLING BIN	EACH	3
41	MULCH PLACEMENT 3"	SQ YD	77
42	FORMAL PLANTING BED PREPARATION	SQ.FT	687
43	MANAGEMENT, MONITORING & REPORTING OF NATIVE PLANTINGS	YEAR	3

STANDARD ABBREVIATIONS

B-B - BACK TO BACK OF CURB
B.C. - BACK OF CURB
B.O.C. - BACK OF CURB
B.S.L. - BUILDING SETBACK LINE
C.B. - STORM CATCH BASIN
C.E. - COMMONWEALTH EDISON CO.
D.E. - DRAINAGE EASEMENT
E-E - EDGE TO EDGE OF PAVEMENT
E.O.P. - EDGE OF PAVEMENT
E.O.S. - EDGE OF SHOULDER
E.P. - EDGE OF PAVEMENT
E.S. - EDGE OF SHOULDER
F.E.S. - FLARED END SECTION
I.B.T. - ILLINOIS BELL TELEPHONE CO.
L.E. - LANDSCAPE EASEMENT
M.H. - MANHOLE (TYPE SPECIFIED ON PLANS)
R.C.M.E. - ROAD CONSTRUCTION & MAINTENANCE EASEMENT
R.O.W. - RIGHT OF WAY
T.B.F. - TRENCH BACKFILL
T.C. - TOP OF CURB
T.C.E. - TEMPORARY CONSTRUCTION EASEMENT
T.O.B. - TOP OF BERM
T.O.C. - TOP OF CURB
U.E. - UTILITY EASEMENT

CIVIL LEGEND

	EXISTING	PROPOSED
SANITARY MANHOLE		
STORM MANHOLE		
STORM CATCH BASIN/INLET		
INLET		
FLARED END SECTION		
CLEANOUT		
VALVE VAULT		
WATER SERVICE VALVE		
WATER B-BOX		
INDICATES WATER MAIN LINE STOP		
INDICATES PRESSURE VALVE INSERT		
INDICATES WATER MAIN CUT AND CAP		
FIRE HYDRANT WITH AUXILIARY VALVE		
LIGHT POLE		
REGULATORY SIGN		
UTILITY POLE		
UTILITY BOX		
MAILBOX		
WELL		
SANITARY SEWER		
STORM SEWER		
CULVERT		
PERFORATED UNDERDRAIN		
WATER MAIN		
WATER SERVICE		
CASING PIPE		
SANITARY SERVICE		
SANITARY FORCE MAIN		
ELECTRIC LINE		
OVERHEAD AERIAL LINES		
OVERHEAD ELECTRIC LINE		
UNDERGROUND ELECTRIC		
TELEPHONE LINE		
GAS LINE		
CABLE TV LINE		
FIBER OPTIC LINE		
SECTIONS		
RIGHT OF WAY		
PERMANENT EASEMENT		
TEMPORARY CONSTRUCTION EASEMENT		
PROPERTY LINE		
GUARDRAIL		
RAILROAD TRACKS		
TREE / VEGETATION / CROP LINE		
TREES		
CONTOURS		
SPOT ELEVATION		
FENCE		
WETLAND		
MARSH / WETLAND AREAS		
WATER SURFACE		
RIPRAP		
DRAINAGE DIRECTION ARROW		
DRAINAGE OVERFLOW DIRECTION		

NOTE:

NOT ALL ABBREVIATIONS OR SYMBOLS SHOWN IN THESE LISTS MAY BE USED IN THIS PROJECT. CONTACT ARCHITECT OR ENGINEER FOR CLARIFICATION OF ANY DISCREPANCIES.

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G004	OVERALL SITE PLAN
CIVIL	
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C102	EXISTING CONDITIONS PLAN
C103	EXISTING CONDITIONS PLAN
C104	EXISTING CONDITIONS PLAN
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L501	LANDSCAPE DETAILS
L502	LANDSCAPE DETAILS
L503	LANDSCAPE DETAILS
L504	LANDSCAPE DETAILS

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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

GENERAL
SHEET INDEX, SUMMARY OF QUANTITIES,
LEGENDS, AND ABBREVIATIONS

SHEET NO.
G002

GENERAL NOTES & SPECIFICATIONS

GENERAL NOTES:

1. ALL ITEMS OF THIS PROJECT SHALL BE GOVERNED BY SPECIFICATIONS INCLUDED IN THE DOCUMENTS LISTED BELOW:
- A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED BY SAID DEPARTMENT (LATEST EDITION)
 - B. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION).
 - C. "BUREAU OF DESIGN & ENVIRONMENT MANUAL" (BDE) BY ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION)
 - D. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" - FEDERAL HIGHWAY ADMINISTRATION MUTCD (LATEST EDITION)
 - E. "ILLINOIS SUPPLEMENT TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (LATEST EDITION).
 - F. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST EDITION).
 - G. "ILLINOIS URBAN MANUAL" PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE NRCS AND MAINTAINED BY THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS (LATEST EDITION).
 - H. "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY IEPA, ILLINOIS URBAN MANUAL - A TECHNICAL MANUAL DESIGNED FOR URBAN ECOSYSTEM PROTECTION AND ENHANCEMENT, (LATEST EDITION).
 - I. "MCHENRY COUNTY STORMWATER ORDINANCE"
 - J. "MCHENRY/LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT SPECIAL PROVISIONS"
 - K. "VILLAGE OF TROUT VALLEY ORDINANCES"

IN ADDITION THE FOLLOWING SPECIAL PROVISIONS SUPPLEMENT THE SAID SPECIFICATIONS, AND IN CASE OF CONFLICT WITH ANY PART OR PARTS OF SAID SPECIFICATIONS, THESE SPECIAL PROVISIONS SHALL TAKE PRECEDENCE AND SHALL GOVERN.

2. SCOPE OF WORK: THE PROPOSED IMPROVEMENT CONSISTS OF SUPPLYING ALL THE NECESSARY LABOR, MATERIAL AND EQUIPMENT TO SATISFACTORILY CONSTRUCT AND INSTALL ALL IMPROVEMENTS.
3. COORDINATION WITH UTILITIES

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BY J.U.L.I.E (811) OR (1-800-892-0123) AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THIS WORK SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORD INFORMATION AND MAY NOT BE ACCURATE. WHERE CONFLICT EXISTS BETWEEN EXISTING UTILITIES AND THE PROPOSED UNDERGROUND PIPING REQUIRING A REVISION TO THE PLANS, SUCH CONSTRUCTION SHALL NOT BE UNDERTAKEN UNTIL SUCH CHANGES ARE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL REPORT ALL SUCH CONFLICTS IMMEDIATELY TO THE ENGINEER.

ALL EXISTING UTILITIES WITHIN THE PROJECT AREA SHALL BE REMOVED AND RELOCATED, IF NECESSARY, FOR CONSTRUCTION BY THE UTILITY COMPANY WHICH HAS JURISDICTION OVER IT. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING WITH THE APPROPRIATE UTILITY COMPANY.

THE COORDINATION OF ALL UTILITY WORK FOR THE CONSTRUCTION PROJECT WILL BE DISCUSSED AT A PRE CONSTRUCTION MEETING.

4. CONSTRUCTION OF UNDERGROUND UTILITIES

- A. RESTORATION OF DRAINAGE: AS SOON AS POSSIBLE AFTER BACKFILLING THE TRENCH, ALL DITCHING, GRADING AND SHAPING NECESSARY TO RESTORE THE ORIGINAL DRAINAGE IN THE AREA OF WORK SHALL BE PERFORMED. CULVERTS REMOVED DURING THE COURSE OF THE WORK SHALL BE REPLACED AS SOON AS PRACTICABLE.

ADEQUATE TEMPORARY DRAINAGE FACILITIES MEETING THE APPROVAL OF THE ENGINEER SHALL BE PROVIDED DURING CONSTRUCTION. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT

- B. UTILITIES: THE CONTRACTOR SHALL NOTIFY ALL UTILITIES OWNERS PRIOR TO THE INSTALLATION OF ANY PIPE LINES. WHERE CONFLICT EXISTS BETWEEN UNDERGROUND UTILITIES AND THE PROPOSED UNDERGROUND PIPING REQUIRING A REVISION TO THE PLANS, SUCH CONSTRUCTION SHALL NOT BE UNDERTAKEN UNTIL SUCH CHANGES ARE APPROVED BY THE VILLAGE OF TROUT VALLEY AND OR ENGINEER IN WRITING.

5. THE ENGINEER AND VILLAGE OF TROUT VALLEY, SHALL BE NOTIFIED IF, DURING CONSTRUCTION, ANY BURIED FIELD TILES ARE EXPOSED OR DISTURBED. THE CONTRACTOR SHALL RECONNECT SAID FIELD TILES IF DEEMED NECESSARY. TO BE MEASURED AND PAID FOR PER 109.04 OF THE STANDARDS SPECIFICATIONS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.

7. CLEARING, TREE REMOVAL, BUSH REMOVAL, AND PROTECTION

- A. CONTRACTOR SHALL PROVIDE CLEARING, TREE REMOVAL, BUSH REMOVAL AND PROTECTION AS PER SECTION ARTICLE 201 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH THE PROJECT MANUAL AND THESE PLANS.

8. CONSTRUCTION FENCING

- A. PERIMETER CONSTRUCTION FENCING TO BE PLACED AT THE DIRECTION OF THE OWNER AND PER THE LOCATION FOUND ON THE CONSTRUCTION DOCUMENTS. PAID FOR PER LINEAR FOOT, EXCLUDING AREAS FENCED FOR CONTRACTORS STOCKPILE, STAGING, SECURITY AND ONLY OTHER FENCING NOT FIRST AUTHORIZED BY OWNER.

10. CONSTRUCTION OBSERVATION
ALL IMPROVEMENTS SHALL BE SUBJECT TO OBSERVATION BY A DULY AUTHORIZED AND QUALIFIED VILLAGE OR OWNER'S REPRESENTATIVE BOTH DURING THE COURSE OF CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE FOR FINAL PROJECT CLOSEOUT.

11. EROSION CONTROL. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY CONTROL EROSION ON THE JOBSITE. ANY SILTATION OF CONDUITS, STRUCTURES, OR DITCHES SHALL BE CLEANED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SEEDING HAS TAKEN HOLD. ALL WASHOUTS, GULLIES, ETC. WILL BE REGRADED AND RESEEDD BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR'S RESPONSIBILITY FOR EROSION CONTROL SHALL EXTEND THROUGHOUT THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF PAVED SURFACES WITHIN AND ADJACENT TO THE PROJECT ON A TIMELY BASIS AND/OR AT THE DIRECTION OF THE VILLAGE & MCHENRY COUNTY SWCD.

ALL CONSTRUCTION WILL ADHERE TO THE REQUIREMENTS SET FORTH IN THE IEPA'S GENERAL NPDES PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION SITE ACTIVITIES.

FOR ALL DRAINAGE STRUCTURES IN THE DISTURBED AREAS, INLET PROTECTION SHALL BE PLACED AND MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED, AS DETERMINED BY THE VILLAGE.

EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EVERY STORM OF ONE HALF INCH OF RAINFALL OR GREATER BY THE ENGINEER. AN INSPECTION REPORT MUST BE SUBMITTED BY THE ENGINEER TO THE VILLAGE FOLLOWING EACH INSPECTION. ANY REPAIRS OR REPLACEMENT NEEDED TO ENSURE ADEQUATE EROSION CONTROL MUST BE MADE IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL AMEND NOI WITH CONTRACTOR'S INFORMATION PRIOR TO START OF CONSTRUCTION. A COPY OF THE NOI MUST BE SUBMITTED TO THE VILLAGE BEFORE THE REQUIRED PRE-CONSTRUCTION CONFERENCE CAN BE SCHEDULED WITH THE VILLAGE.

CONSTRUCTION & SILT FENCING MUST BE INSTALLED PRIOR TO STARTING CONSTRUCTION.

CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (N.O.T.) AFTER SUBSTANTIAL COMPLETION OF PROJECT INCLUDING RESTORATION.

12. TOPSOIL PLACEMENT. CONTRACTOR SHALL PLACE STOCKPILED TOPSOIL OR IMPORTED MATERIAL ON ALL DISTURBED AREAS WITH A MINIMUM 6" TOPSOIL RAKED SMOOTH TO BE READY FOR LANDSCAPING (SEEDING, SOD, ETC.).

13. NO PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION." PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

14. INDEMNIFICATION

CONTRACTOR SHALL PROVIDE INDEMNIFICATION AS PER ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. ALL COSTS FOR INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

ADDITIONAL REQUIREMENTS: THE CONTRACTOR SHALL ALSO INDEMNIFY AND HOLD HARMLESS, HR GREEN, INC., VILLAGE OF TROUT VALLEY, ITS OFFICERS, EMPLOYEES, AGENTS, AND SUBCONTRACTORS. THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL ADDITIONAL INDEMNIFICATION REQUIREMENTS HAVE BEEN OBTAINED UNDER THIS PARAGRAPH.

15. INSURANCE AND LIABILITY

CONTRACTOR SHALL PROVIDE INSURANCE COVERAGE AS PER ARTICLE 107.27 OF THE STANDARD SPECIFICATIONS. ALL COSTS FOR INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE "DEPARTMENT" SHALL BE TAKEN TO MEAN HR GREEN, INC. THE POLICY OF INSURANCE SHALL INCLUDE HR GREEN, INC., VILLAGE OF TROUT VALLEY, AND ITS AGENTS AS AN ADDITIONAL INSURED OR PROVIDE SEPARATE COVERAGE WITH AN OWNER'S PROTECTIVE POLICY, AS PER THE AMOUNTS STATED IN THE STANDARD SPECIFICATIONS. NO WORK SHALL BEGIN UNTIL THE CERTIFICATE OF INSURANCE IS ON FILE WITH THE ENGINEER.

ADDITIONAL REQUIREMENTS: THE CONTRACTOR SHALL SECURE AND MAINTAIN SUCH INSURANCE FROM AN INSURANCE COMPANY AUTHORIZED TO WRITE CASUALTY INSURANCE IN THE STATE WHERE THE WORK IS LOCATED AND ALSO WILL PROTECT AND LIST AS ADDITIONAL INSURED, HR GREEN, INC., VILLAGE OF TROUT VALLEY, AND HIS SUBCONTRACTORS AND HIS EMPLOYEES FROM CLAIMS FOR BODILY INJURY, DEATH OR PROPERTY DAMAGE WHICH MAY ARISE FROM IMPROVEMENTS ON THE PROPERTY. THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL HE/SHE HAS OBTAINED ALL INSURANCE REQUIRED UNDER THIS PARAGRAPH AND FILED THE CERTIFICATE OF INSURANCE OR THE CERTIFIED COPY OF THE INSURANCE POLICY.

16. SITE CLEAN UP

WHEN CONSTRUCTION OPERATIONS TAKE PLACE ADJACENT TO PUBLIC ROADWAYS THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL LOOSE DEBRIS DEPOSITED ON THE PAVEMENT. THE STOCK PILING OF SPOILS FROM FOUNDATIONS OR UTILITY EXCAVATIONS WILL NOT BE ALLOWED ON THE PAVEMENT OR IN SPECIAL MANAGEMENT AREAS SUCH AS FLOODPLAINS OR WETLANDS.

17. LANDSCAPING & RESTORATION

SEE PROJECT MANUAL.

18. STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS

THE ENGINEER SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONALLY REQUIRED STAKING INFORMATION. THE ENGINEER IS NOT RESPONSIBLE FOR STAKING.

ALL ELEVATIONS ARE ON U.S.G.S. DATUM. (NAVD 88)

19. MISCELLANEOUS

THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF TROUT VALLEY WITHIN THE PROJECT LIMITS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.

ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR A SAFETY VEST, COMPLYING WITH THE LATEST O.S.H.A. REQUIREMENTS, AT ALL TIMES WHILE AT THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

UNLESS OTHERWISE INDICATED, THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

MISC. GENERAL NOTES

1. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
2. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
4. IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS.
5. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, & ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. NO ON SITE BURNING WILL BE ALLOWED
6. GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
7. PART OF THE PROPOSED PROJECT IS LOCATED WITHIN WATERS OF THE UNITED STATES OR WATERS OF MCHENRY COUNTY.
8. THE CONTRACTOR SHALL CONFINE THEIR GRADING OPERATIONS TO WITHIN CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
10. ALL FIELD TILES ENCOUNTERED SHALL BE REPLACED AND/OR CONNECTED TO THE STORM SEWER SYSTEM AND LOCATED AND IDENTIFIED ON THE RECORD PLANS BY THE CONTRACTOR.
11. ALL STORM DRAINAGE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE VILLAGE OF TROUT VALLEY STANDARDS.
12. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OR MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
13. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.
14. THE CONTRACTOR MAY BE REQUIRED TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME DAY, AS DIRECTED BY THE ENGINEER OR THE OWNER.
15. ALL CONSTRUCTION WITHIN PUBLIC ROW/EASEMENTS AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, SHALL COMPLY WITH THE VILLAGE CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS AND LATEST EDITION OF IDOT DESIGN STANDARDS
16. FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL CONNECTIONS TO EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
17. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATIONS AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY CALL. JULIE AT 1-800-892-0123 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT.
18. GENERAL CONTRACTOR SHALL HAVE APPROVAL OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THIS SYSTEM PRIOR TO INSTALLATION.
19. ALL EXISTING UTILITIES TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
20. ONCE EQUIPMENT IS DELIVERED TO THE SITE, IT SHALL STAY ON SITE UNTIL THE PROJECT IS COMPLETE. EQUIPMENT IS NOT TO BE UNNECESSARILY MOVED THROUGHOUT VILLAGE.

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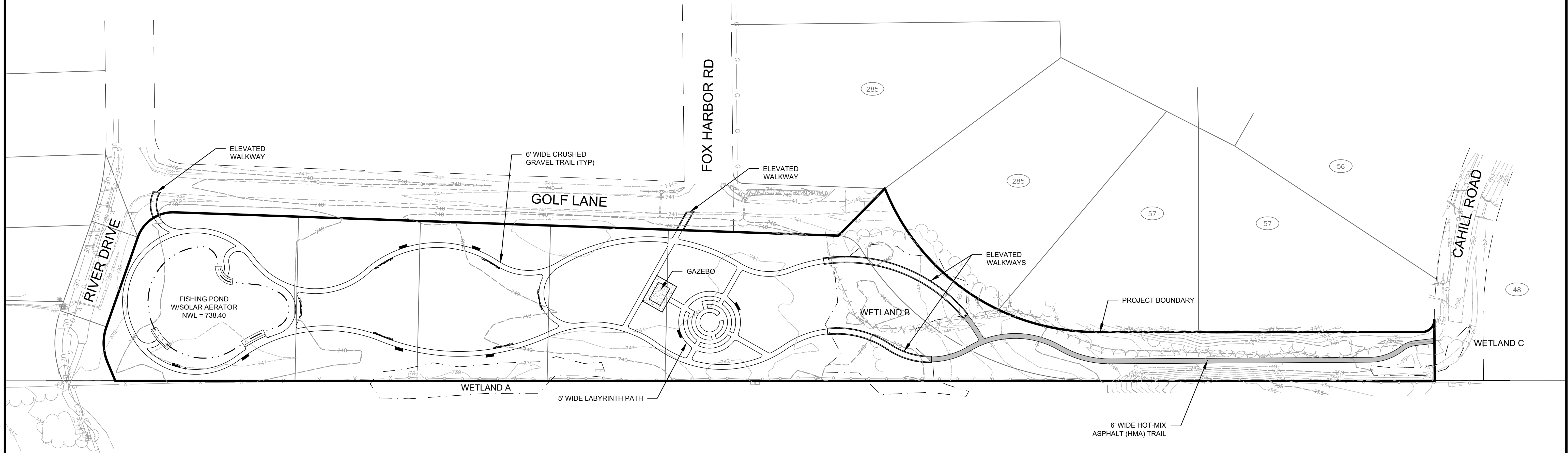


TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

GENERAL
GENERAL NOTES, SPECIFICATIONS AND
SUMMARY OF QUANTITIES

SHEET NO.

G003



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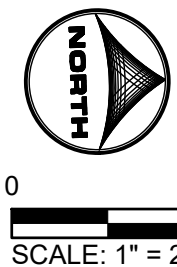
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

GENERAL
OVERALL SITE PLAN

SHEET NO.
G004



MATCH LINE STA. 104+50
SEE SHEET NO. C102

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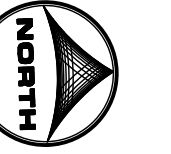
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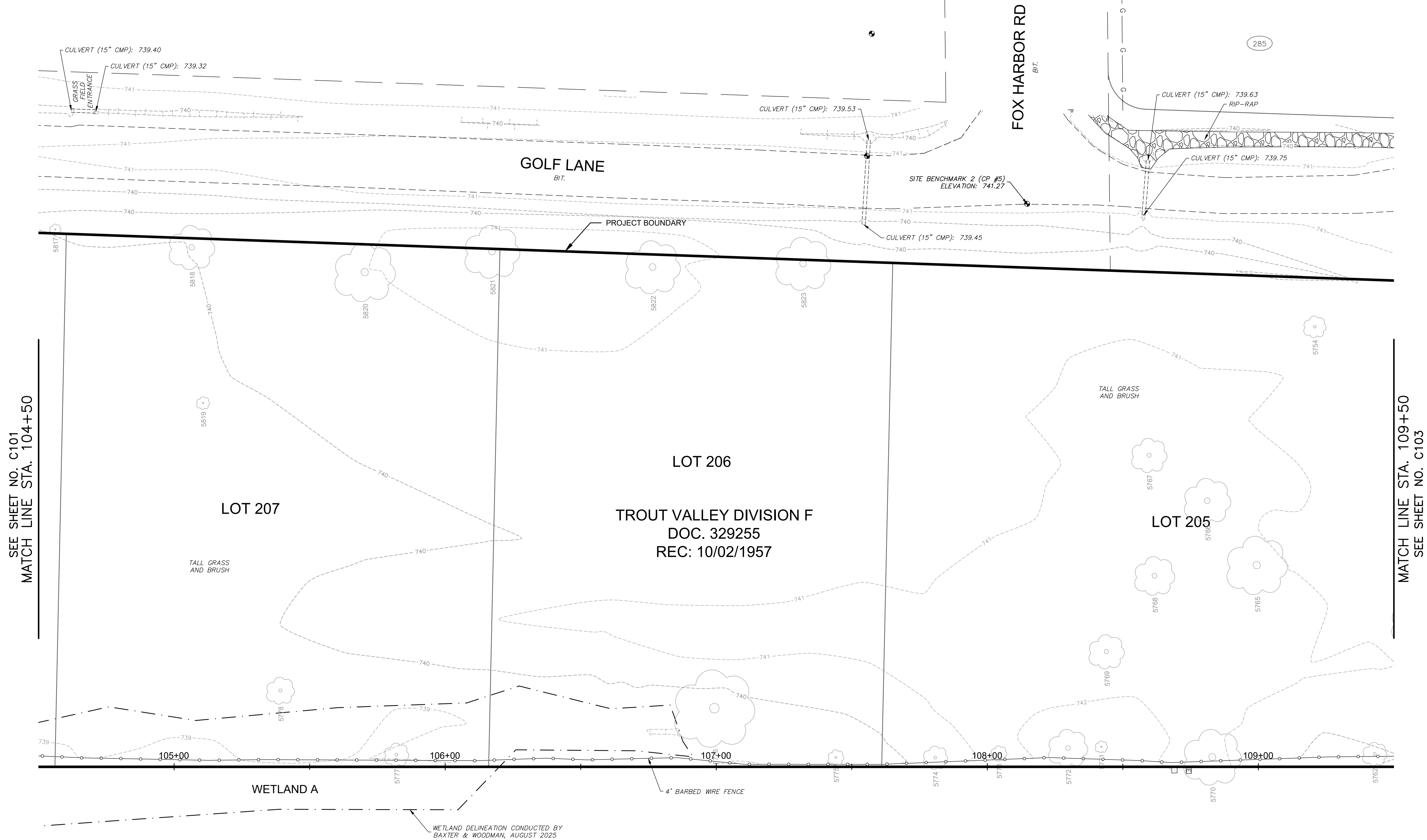
TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EXISTING CONDITIONS PLAN

SHEET NO.
C101



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SCALE: 1" = 20'



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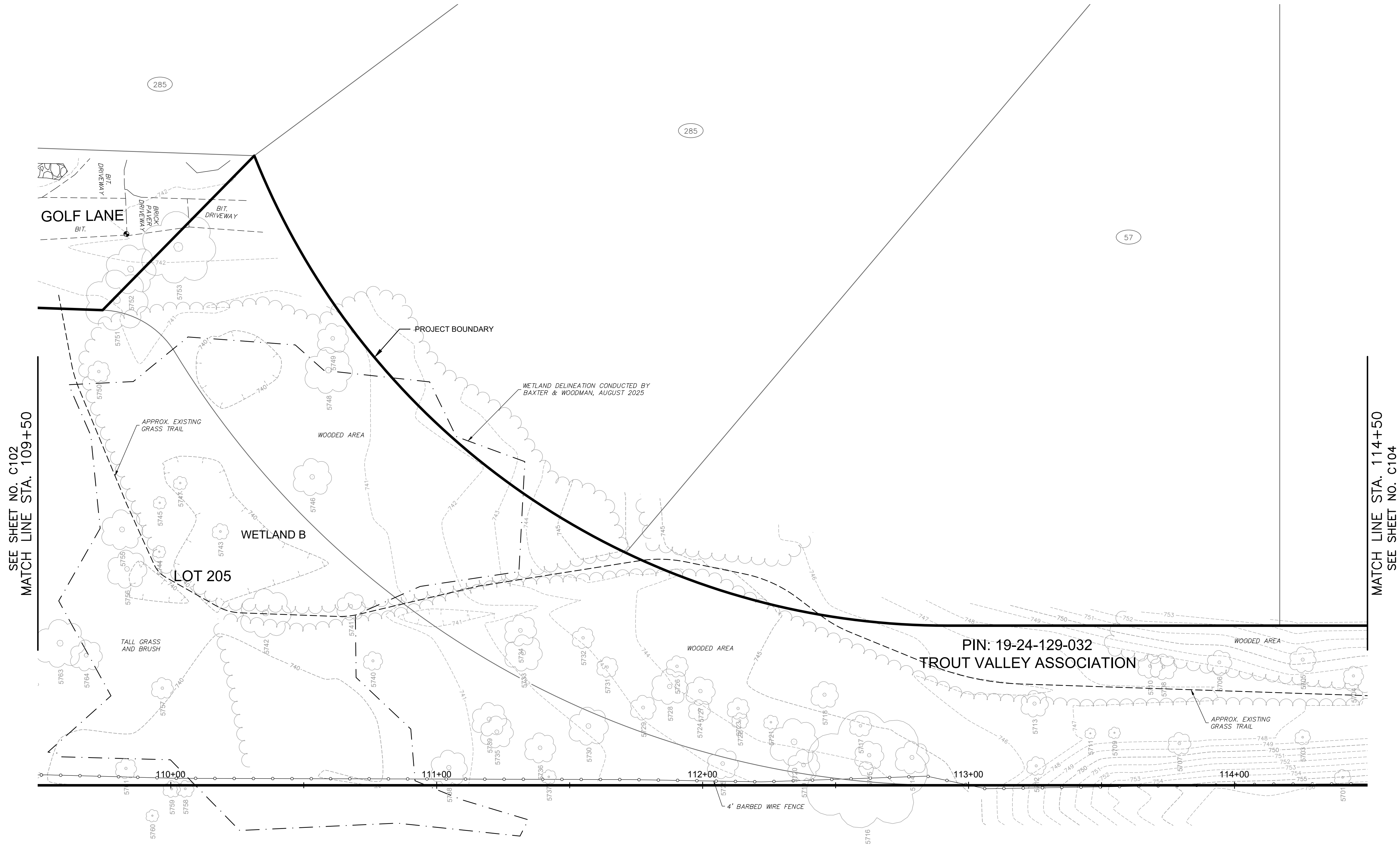
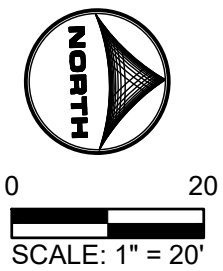
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EXISTING CONDITIONS PLAN

SHEET NO.
C102



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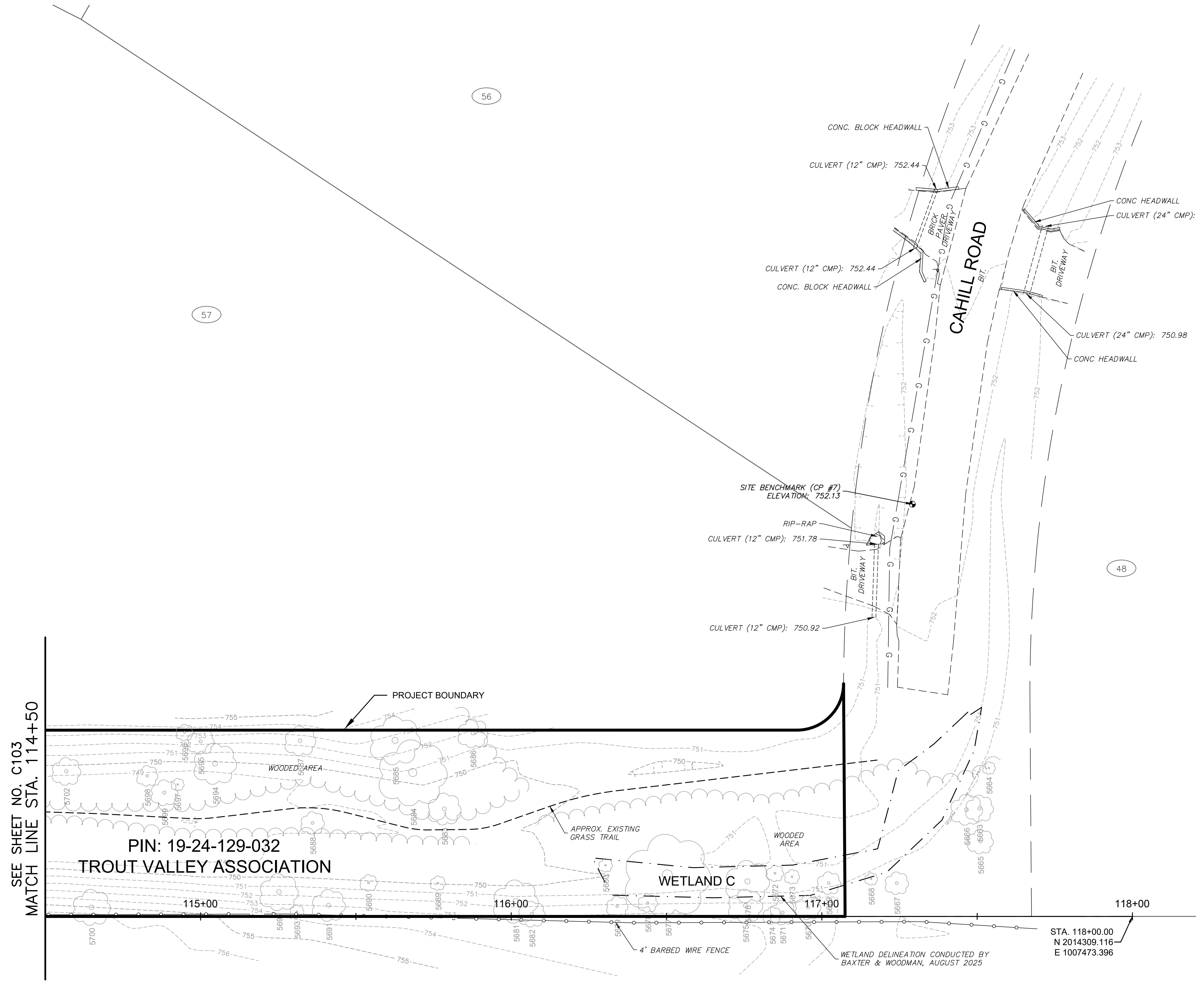
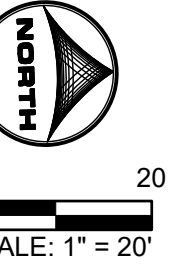
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EXISTING CONDITIONS PLAN

SHEET NO.
C103



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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EXISTING CONDITIONS PLAN

SHEET NO.
C104

TO BE REMOVED	TAG NO.	COMMON NAME	SCIENTIFIC NAME	DIAMETER (INCHES)	HEALTH	NOTES
	5663	SILVER MAPLE	Acer saccharinum	13	MEDIUM	
X	5664	SILVER MAPLE	Acer saccharinum	6	POOR	
	5665	BLACK WALNUT	Juglans nigra	12	FAIR	
	5666	SILVER MAPLE	Acer saccharinum	15	FAIR	
X	5667	AMERICAN ELM	Ulmus americana	11	MEDIUM	
X	5668	ASH-LEAF MAPLE	Acer negundo	6	POOR	
X	5669	ASH-LEAF MAPLE	Acer negundo	11	MEDIUM	
X	5670	COMMON HACKBERRY	Celtis occidentalis	12	POOR	
X	5671	FIRE CHERRY	Prunus pensylvanica	12	POOR	CHOKE CHERRY
X	5672	WHITE MULBERRY	Morus alba	8	MEDIUM	
X	5673	WHITE MULBERRY	Morus alba	7	POOR	MULTI-STEM
X	5674	ASH-LEAF MAPLE	Acer negundo	8.5	MEDIUM	
X	5675	WHITE MULBERRY	Morus alba	16	MEDIUM	
	5676	EASTERN COTTONWOOD	Populus deltoides	20.5	FAIR	
	5677	EASTERN COTTONWOOD	Populus deltoides	40	MEDIUM	
X	5678	WHITE MULBERRY	Morus alba	9	POOR	
X	5679	WHITE MULBERRY	Morus alba	10	POOR	
X	5680	GREEN ASH	Fraxinus pennsylvanica	6.5	POOR	
	5681	EASTERN COTTONWOOD	Populus deltoides	21	FAIR	
X	5682	WHITE MULBERRY	Morus alba	12.5	POOR	
X	5683	WHITE MULBERRY	Morus alba	15.5	MEDIUM	MULTI-STEM
	5684	EASTERN COTTONWOOD	Populus deltoides	32	FAIR	
	5685	FIRE CHERRY	Prunus pensylvanica	23.5	MEDIUM	CHOKE CHERRY MULTI-STEM
	5686	FIRE CHERRY	Prunus pensylvanica	14	MEDIUM	CHOKE CHERRY MULTI-STEM
	5687	SOUTHERN CATALPA	Catalpa bignonioides	14.5	FAIR	
X	5688	AMERICAN ELM	Ulmus americana	11	MEDIUM	
X	5689	ASH-LEAF MAPLE	Acer negundo	7	MEDIUM	
X	5690	ASH-LEAF MAPLE	Acer negundo	8	MEDIUM	
X	5691	GREEN ASH	Fraxinus pennsylvanica	15.5	DEAD	
X	5692	WHITE MULBERRY	Morus alba	18	POOR	
X	5693	ASH-LEAF MAPLE	Acer negundo	6.5	MEDIUM	
	5694	AMERICAN ELM	Ulmus americana	20	MEDIUM	
	5695	AMERICAN ELM	Ulmus americana	12.5	MEDIUM	
X	5696	ASH-LEAF MAPLE	Acer negundo	8	MEDIUM	
	5697	SWAMP WHITE OAK	Quercus bicolor	6	FAIR	
	5698	AMERICAN ELM	Ulmus americana	10	MEDIUM	
X	5699	FIRE CHERRY	Prunus pensylvanica	12.5	POOR	CHOKE CHERRY
X	5700	WHITE MULBERRY	Morus alba	17.5	MEDIUM	
X	5701	FIRE CHERRY	Prunus pensylvanica	9	POOR	CHOKE CHERRY
	5702	BLACK WALNUT	Juglans nigra	13.5	FAIR	
	5703	COMMON HACKBERRY	Celtis occidentalis	8.5	FAIR	
	5704	HONEY-LOCUST	Gleditsia triacanthos	11	FAIR	
	5705	BLACK WALNUT	Juglans nigra	14.5	FAIR	
	5706	BLACK WALNUT	Juglans nigra	13.5	FAIR	
	5707	BLACK WALNUT	Juglans nigra	12.5	FAIR	
	5708	BLACK WALNUT	Juglans nigra	14.5	FAIR	
X	5709	ASH-LEAF MAPLE	Acer negundo	6.5	MEDIUM	
	5710	BLACK WALNUT	Juglans nigra	13.5	FAIR	
X	5711	ASH-LEAF MAPLE	Acer negundo	6	POOR	
	5712	FIRE CHERRY	Prunus pensylvanica	10.5	MEDIUM	CHOKE CHERRY
X	5713	ASH-LEAF MAPLE	Acer negundo	15	MEDIUM	MULTI-STEM
	5714	FIRE CHERRY	Prunus pensylvanica	18.5	MEDIUM	CHOKE CHERRY
X	5715	WHITE MULBERRY	Morus alba	16	POOR	
	5716	EASTERN COTTONWOOD	Populus deltoides	66	FAIR	
X	5717	WHITE MULBERRY	Morus alba	12	MEDIUM	
X	5718	WHITE MULBERRY	Morus alba	15	MEDIUM	
X	5719	WHITE MULBERRY	Morus alba	17.5	MEDIUM	

TO BE REMOVED	TAG NO.	COMMON NAME	SCIENTIFIC NAME	DIAMETER (INCHES)	HEALTH	NOTES
	5720	COMMON HACKBERRY	Celtis occidentalis	26.5	POOR	
X	5721	WHITE MULBERRY	Morus alba	8	MEDIUM	
X	5722	WHITE MULBERRY	Morus alba	9	DEAD	
X	5723	ASH-LEAF MAPLE	Acer negundo	12	MEDIUM	
X	5724	ASH-LEAF MAPLE	Acer negundo	12	POOR	
X	5725	ASH-LEAF MAPLE	Acer negundo	17	POOR	
X	5726	WHITE MULBERRY	Morus alba	12	MEDIUM	
	5727	COMMON HACKBERRY	Celtis occidentalis	16	MEDIUM	
	5728	AMERICAN ELM	Ulmus americana	20	MEDIUM	
X	5729	ASH-LEAF MAPLE	Acer negundo	14	MEDIUM	
X	5730	ASH-LEAF MAPLE	Acer negundo	21.5	MEDIUM	
X	5731	ASH-LEAF MAPLE	Acer negundo	11.5	MEDIUM	
X	5732	ASH-LEAF MAPLE	Acer negundo	12	POOR	
X	5733	ASH-LEAF MAPLE	Acer negundo	20.5	POOR	
X	5734	ASH-LEAF MAPLE	Acer negundo	17.5	MEDIUM	
X	5735	ASH-LEAF MAPLE	Acer negundo	18	POOR	
X	5736	ASH-LEAF MAPLE	Acer negundo	17	MEDIUM	
X	5737	BUCKTHORN	Buckthorn	8	MEDIUM	BUCKTHORN MULTI-STEM
X	5738	ASH-LEAF MAPLE	Acer negundo	20	MEDIUM	
X	5739	AMERICAN ELM	Ulmus americana	19	MEDIUM	
X	5740	WHITE MULBERRY	Morus alba	10.5	MEDIUM	
X	5741	ASH-LEAF MAPLE	Acer negundo	15.5	POOR	
X	5742	ASH-LEAF MAPLE	Acer negundo	27.5	MEDIUM	
	5743	AMERICAN ELM	Ulmus americana	9	MEDIUM	
	5744	COMMON HACKBERRY	Celtis occidentalis	7	FAIR	
	5745	COMMON HACKBERRY	Celtis occidentalis	7	FAIR	
	5746	AMERICAN ELM	Ulmus americana	21	MEDIUM	
	5747	COMMON HACKBERRY	Celtis occidentalis	7.5	MEDIUM	
X	5748	ASH-LEAF MAPLE	Acer negundo	26	MEDIUM	
X	5749	ASH-LEAF MAPLE	Acer negundo	17	MEDIUM	
X	5750	ASH-LEAF MAPLE	Acer negundo	12	POOR	
	5751	EASTERN COTTONWOOD	Populus deltoides	34	MEDIUM	MULTI-STEM
	5752	EASTERN COTTONWOOD	Populus deltoides	27.5	MEDIUM	
	5753	EASTERN COTTONWOOD	Populus deltoides	40.5	FAIR	
	5754	SILVER MAPLE	Acer saccharinum	12	MEDIUM	
	5755	EASTERN COTTONWOOD	Populus deltoides	22.5	MEDIUM	
	5756	EASTERN COTTONWOOD	Populus deltoides	21.5	MEDIUM	
X	5757	WHITE MULBERRY	Morus alba	12	MEDIUM	
	5758	SIBERIAN ELM	Ulmus pumila	9.5	MEDIUM	
	5759	SIBERIAN ELM	Ulmus pumila	9.5	MEDIUM	
	5760	SIBERIAN ELM	Ulmus pumila	7	MEDIUM	
X	5761	ASH-LEAF MAPLE	Acer negundo	11.5	POOR	
X	5762	ASH-LEAF MAPLE	Acer negundo	13	POOR	
X	5763	EASTERN COTTONWOOD	Populus deltoides	27	MEDIUM	
X	5764	EASTERN COTTONWOOD	Populus deltoides	17.5	MEDIUM	
	5765	EASTERN COTTONWOOD	Populus deltoides	32.5	FAIR	
	5766	EASTERN COTTONWOOD	Populus deltoides	25	MEDIUM	
	5767	BLACK WALNUT	Juglans nigra	19	MEDIUM	
	5768	EASTERN COTTONWOOD	Populus deltoides	21.5	MEDIUM	
X	5769	BLACK WALNUT	Juglans nigra	19	FAIR	
X	5770	ASH-LEAF MAPLE	Acer negundo	31	POOR	
	5771	COMMON HACKBERRY	Celtis occidentalis	6.5	MEDIUM	
X	5772	FIRE CHERRY	Prunus pensylvanica	21	POOR	CHOKE CHERRY
	5773	COMMON HACKBERRY	Celtis occidentalis	8.5	MEDIUM	
	5774	COMMON HACKBERRY	Celtis occidentalis	13	MEDIUM	
X	5775	ASH-LEAF MAPLE	Acer negundo	8.5	POOR	MULTI-STEM
	5776	SILVER MAPLE	Acer saccharinum	43	FAIR	

TO BE REMOVED	TAG NO.	COMMON NAME	SCIENTIFIC NAME	DIAMETER (INCHES)	HEALTH	NOTES
X	5777	WHITE MULBERRY	Morus alba	13	POOR	
X	5778	BLACK WALNUT	Juglans nigra	15	MEDIUM	
	5779	AMERICAN ELM	Ulmus americana	11.5	MEDIUM	
	5780	SILVER MAPLE	Acer saccharinum	26	MEDIUM	
X	5781	WHITE MULBERRY	Morus alba	12	POOR	
	5782	SILVER MAPLE	Acer saccharinum	17	MEDIUM	
	5783	SILVER MAPLE	Acer saccharinum	18.5	MEDIUM	
X	5784	WHITE MULBERRY	Morus alba	13	MEDIUM	
	5785	SILVER MAPLE	Acer saccharinum	16	MEDIUM	
X	5786	BLACK WALNUT	Juglans nigra	14.5	MEDIUM	
X	5787	WHITE MULBERRY	Morus alba	24	MEDIUM	
X	5788	WHITE MULBERRY	Morus alba	13	MEDIUM	
X	5789	WHITE MULBERRY	Morus alba	13	MEDIUM	
X	5790	ASH-LEAF MAPLE	Acer negundo	19.5	MEDIUM	
X	5791	WHITE MULBERRY	Morus alba	16	MEDIUM	
	5792	WHITE MULBERRY	Morus alba	8.5	MEDIUM	
X	5793	WHITE MULBERRY	Morus alba	19.5	MEDIUM	
	5794	WHITE MULBERRY	Morus alba	6.5	MEDIUM	
X	5795	GREEN ASH	Fraxinus pennsylvanica	8	MEDIUM	
X	5796	WHITE MULBERRY	Morus alba	12	MEDIUM	
X	5797	WHITE MULBERRY	Morus alba	12.5	MEDIUM	
	5798	WHITE MULBERRY	Morus alba	12	MEDIUM	
	5799	ASH-LEAF MAPLE	Acer negundo	17.5	MEDIUM	
	5800	BLACK WALNUT	Juglans nigra	21	MEDIUM	
	5801	EASTERN COTTONWOOD	Populus deltoides	48.5	FAIR	
	5802	EASTERN COTTONWOOD	Populus deltoides	36	MEDIUM	
	5803	AMERICAN BASSWOOD	Tilia americana	20.5	FAIR	
	5804	AMERICAN BASSWOOD	Tilia americana	25	FAIR	
	5805	LITTLE-LEAVED LINDEN	Tilia cordata	21.5	MEDIUM	
	5806	AMERICAN BASSWOOD	Tilia americana	27.5	FAIR	
	5807	BLACK WALNUT	Juglans nigra	9	MEDIUM	
X	5808	BLACK WALNUT	Juglans nigra	9	FAIR	
X	5809	BLACK WALNUT	Juglans nigra	6.5	FAIR	
X	5810	BLACK WALNUT	Juglans nigra	6.5	FAIR	
	5811	SILVER MAPLE	Acer saccharinum	29.5	FAIR	
	5812	SILVER MAPLE	Acer saccharinum	35	FAIR	
	5813	SILVER MAPLE	Acer saccharinum	29.5	MEDIUM	
X	5814	SILVER MAPLE	Acer saccharinum	35	FAIR	
X	5815	SILVER MAPLE	Acer saccharinum	13.5	MEDIUM	
X	5816	SILVER MAPLE	Acer saccharinum	31.5	FAIR	
	5817	HONEY-LOCUST	Gleditsia triacanthos	6	FAIR	
X	5818	LITTLE-LEAVED LINDEN	Tilia cordata	24.5	POOR	
	5819	BLACK WALNUT	Juglans nigra	7	MEDIUM	
	5820	AMERICAN BASSWOOD	Tilia americana	32.5	FAIR	
	5821	AMERICAN BASSWOOD	Tilia americana	29.5	FAIR	
	5822	AMERICAN BASSWOOD	Tilia americana	29.5	FAIR	
	5823	AMERICAN BASSWOOD	Tilia americana	29.5	FAIR	

NOTE:
TREE INVENTORY CONDUCTED BY BAXTER & WOODMAN, AUGUST 2025

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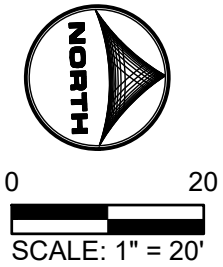
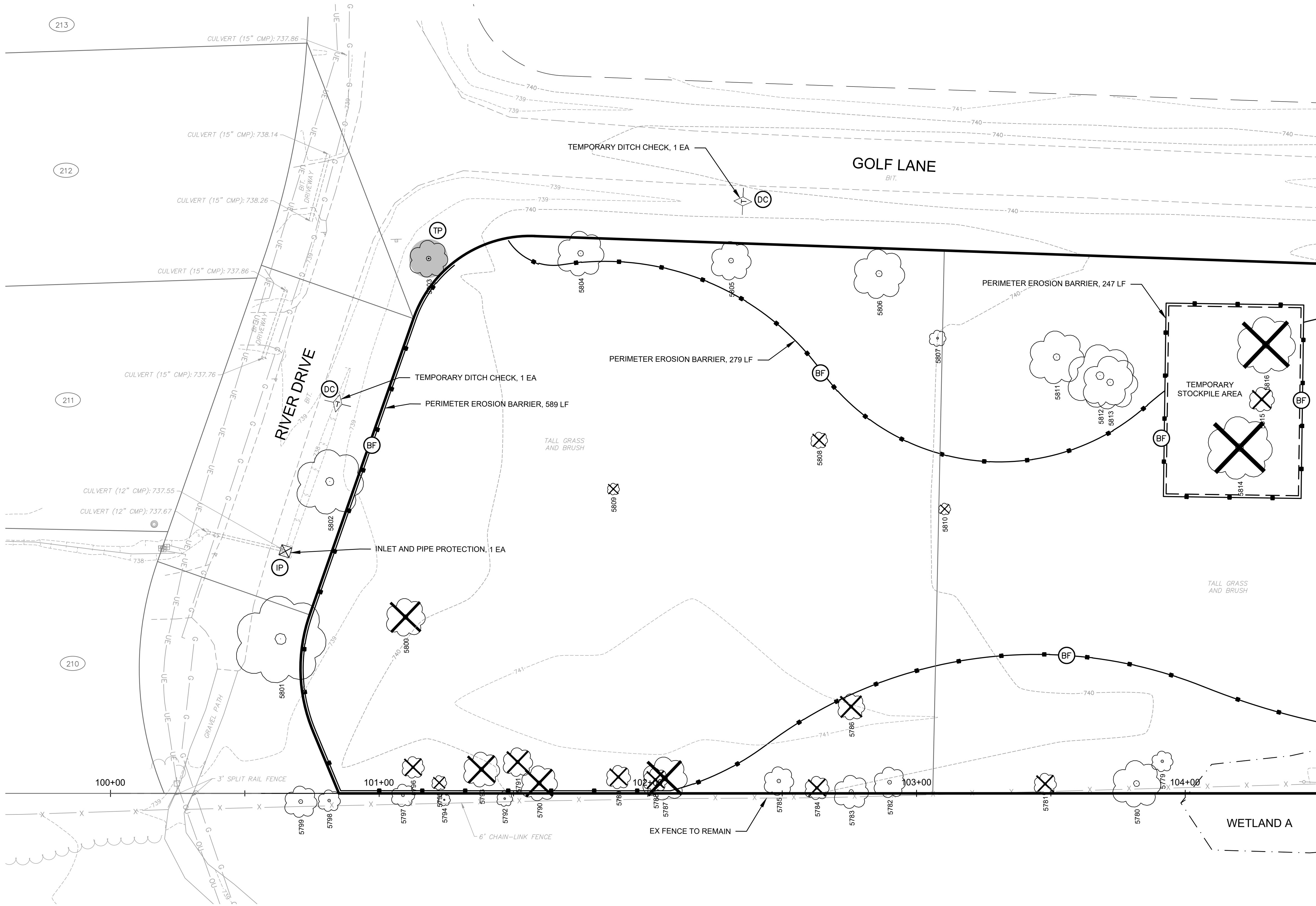


TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
TREE INVENTORY

SHEET NO.
C105

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LEGEND	
(TP) (TS) (W) (BF) (IP) (DC) (CF)	INDICATES EROSION CONTROL MEASURES SEE SHEET C501-C503 FOR INFO.
(BF)	INDICATES PERIMETER EROSION BARRIER
(IP)	INDICATES INLET AND PIPE PROTECTION & INLET FILTERS
(DC)	INDICATES TEMPORARY DITCH CHECK
(TP)	INDICATES TREE PROTECTION
(X)	INDICATES TREE REMOVAL

NOTE:
USE FUTURE PATH LOCATION FOR CONSTRUCTION TRAFFIC.

ISSUE FOR BID
NOT FOR CONSTRUCTION

DRAWN BY: CFR JOB DATE: 2026
APPROVED: AHP JOB NUMBER: 211549.01
CAD DATE: 8/13/2026 7:12:29 AM
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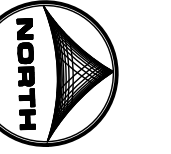
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EROSION CONTROL AND DEMOLITION PLAN

SHEET NO.
C106



0 20
SCALE: 1" = 20'

LEGEND

- INDICATES EROSION CONTROL MEASURES
SEE SHEET C501-C503 FOR INFO.
- (BF) ——— INDICATES PERIMETER EROSION BARRIER
- (IP) [X] INDICATES INLET AND PIPE PROTECTION &
INLET FILTERS
- (DC) [T] INDICATES TEMPORARY DITCH CHECK
- (TP) [●] INDICATES TREE PROTECTION
- [X] INDICATES TREE REMOVAL

NOTE:
USE FUTURE PATH LOCATION FOR CONSTRUCTION TRAFFIC.

SEE SHEET NO. C106
MATCH LINE STA. 104+50

MATCH LINE STA. 109+50
SEE SHEET NO. C108

GOLF LANE
B/T.

FOX HARBOR RD
B/T.

CONSTRUCTION ACCESS FOR TREE REMOVAL TO BE PROVIDED
THROUGH WETLAND A. CONTRACTOR TO PROVIDE NON-ERODABLE
PLANKING OR OTHER METHOD TO CROSS WETLANDS. NO
EQUIPMENT OR TRACKING ALLOWED WITHIN THE WETLANDS LIMITS.

WETLAND A

EX FENCE TO REMAIN

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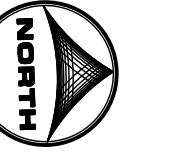


TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EROSION CONTROL AND DEMOLITION PLAN

SHEET NO.
C107

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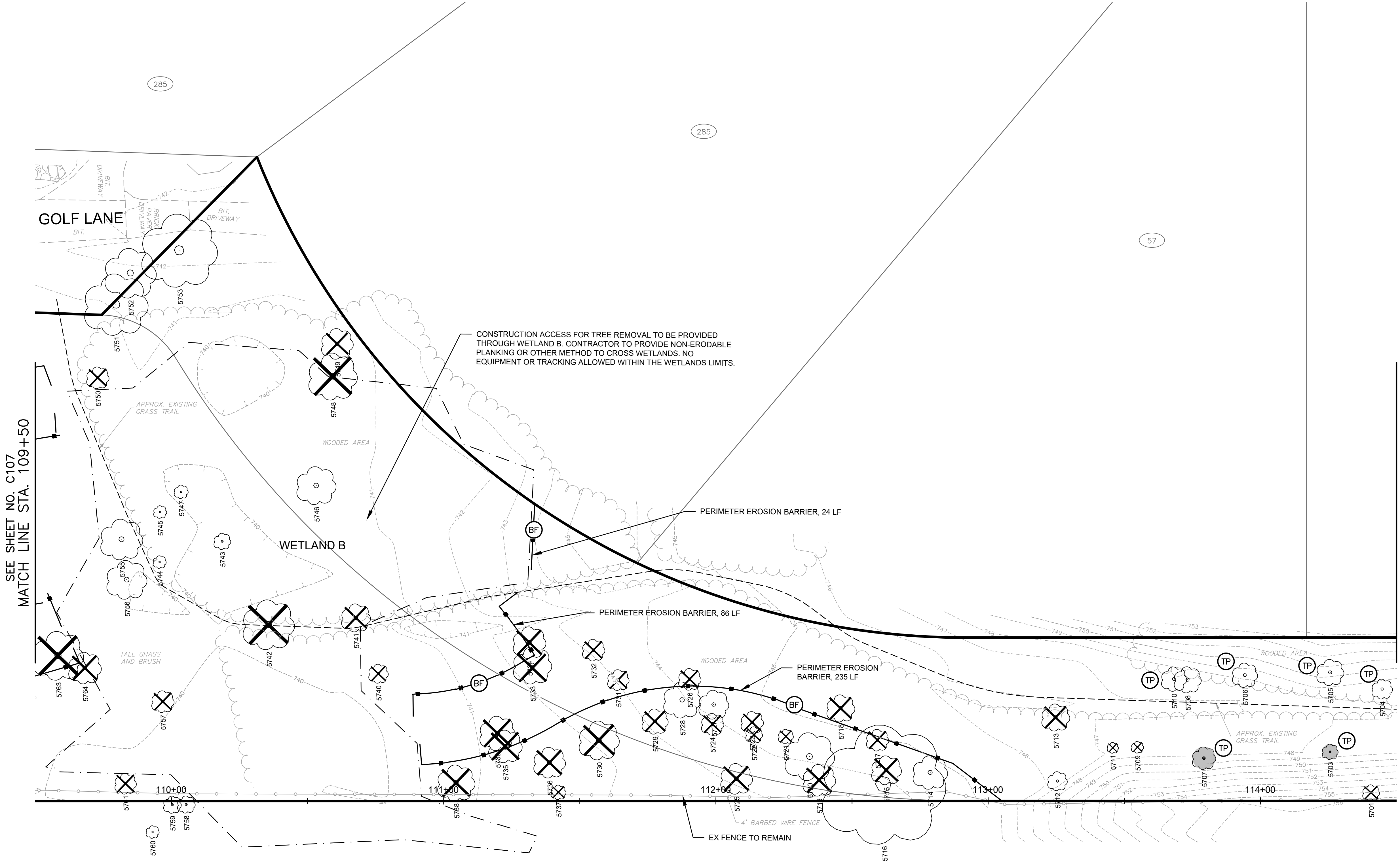


0 20
SCALE: 1" = 20'

LEGEND

- TP TS M BF IP DC CF INDICATES EROSION CONTROL MEASURES
SEE SHEET C501-C503 FOR INFO.
- BF ——— INDICATES PERIMETER EROSION BARRIER
- IP □ INDICATES INLET AND PIPE PROTECTION &
INLET FILTERS
- DC ◇ INDICATES TEMPORARY DITCH CHECK
- TP ○ INDICATES TREE PROTECTION
- ✕ INDICATES TREE REMOVAL

NOTE:
USE FUTURE PATH LOCATION FOR CONSTRUCTION TRAFFIC.



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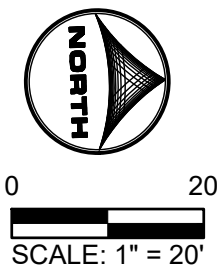


TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EROSION CONTROL AND DEMOLITION PLAN

SHEET NO.
C108

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LEGEND

TP

TS

M

BF

IP

DC

CF

INDICATES EROSION CONTROL MEASURES
SEE SHEET C501-C503 FOR INFO.

BF

IP

DC

TP

—

⊠

—

⊗

INDICATES PERIMETER EROSION BARRIER

INDICATES INLET AND PIPE PROTECTION &
INLET FILTERS

INDICATES TEMPORARY DITCH CHECK

INDICATES TREE PROTECTION

INDICATES TREE REMOVAL

NOTE:
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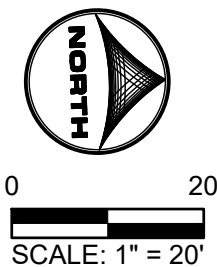
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EROSION CONTROL AND DEMOLITION PLAN

SHEET NO.
C109

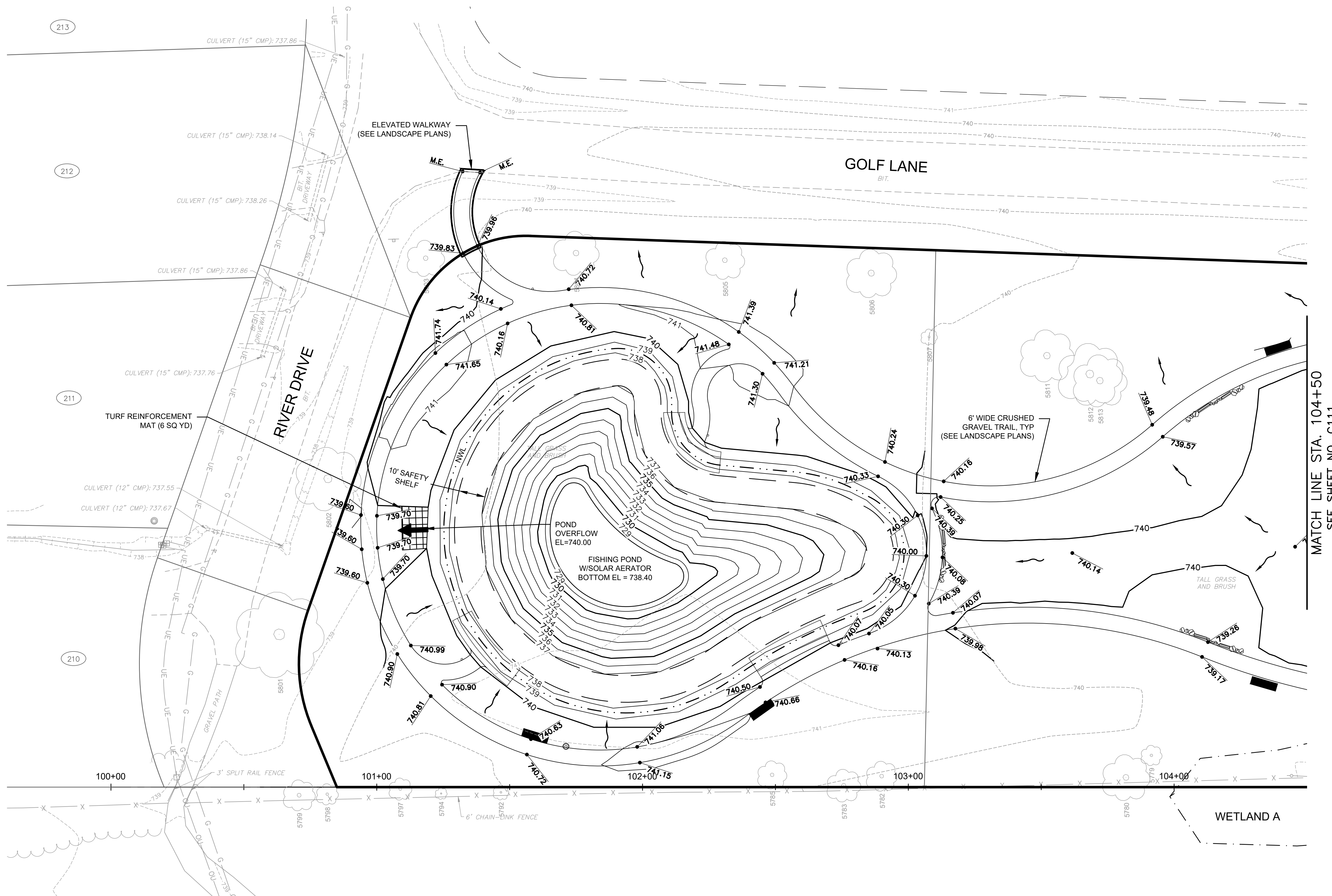


LEGEND

- xxx.xx INDICATES EXISTING AND/OR PROPOSED SPOT ELEVATIONS
- ~ INDICATES PROPOSED DRAINAGE DIRECTION ARROW
- ← INDICATES PROPOSED OVERFLOW DIRECTION ARROW

NOTES:

1. GRADING IS TO RETAIN THE PRE-PROJECT DRAINAGE CONDITIONS OF THE SITE, INCLUDING THE DISCHARGE POINT FROM THE PROJECT AREA.
2. FUTURE POND AERATION TO BE PROVIDED UNDER SEPARATE CONTRACT (BY OTHERS).
3. REFER TO LANDSCAPING PLAN SHEETS (L100-L505) FOR POND AND SITE ELEMENTS.



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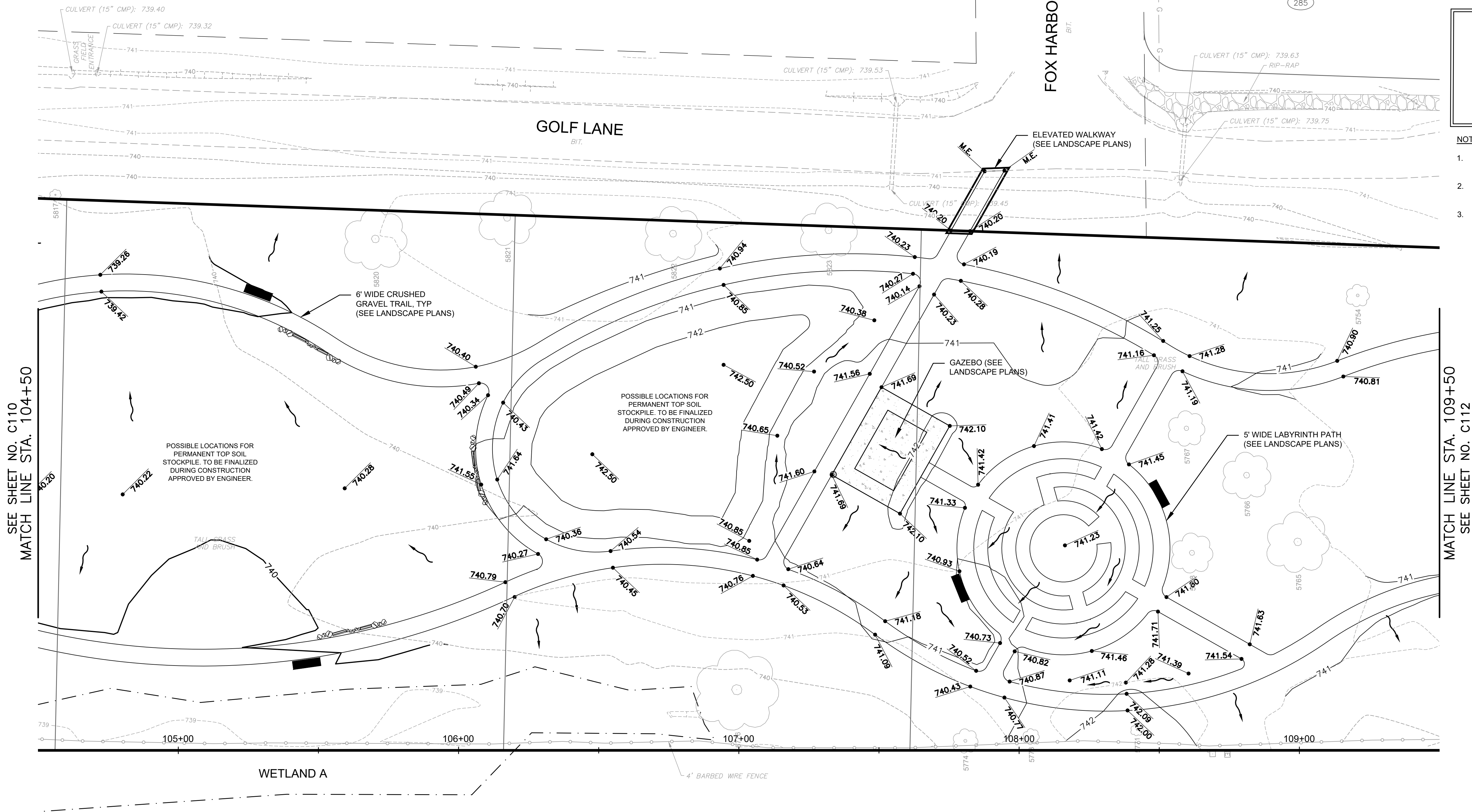
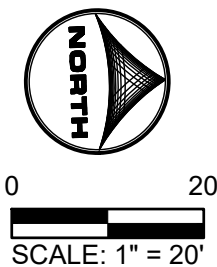
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
GRADING PLAN

SHEET NO.
C110



LEGEND

— xxx.xx INDICATES EXISTING AND/OR PROPOSED SPOT ELEVATIONS

~ INDICATES PROPOSED DRAINAGE DIRECTION ARROW

← INDICATES PROPOSED OVERFLOW DIRECTION ARROW

- NOTES:**
1. GRADING IS TO RETAIN THE PRE-PROJECT DRAINAGE CONDITIONS OF THE SITE, INCLUDING THE DISCHARGE POINT FROM THE PROJECT AREA.
 2. REFER TO LANDSCAPING PLAN SHEETS (L100-L505) FOR POND AND SITE ELEMENTS.
 3. NO WORK OR GRADING ALLOWED WITHIN THE LIMITS OF WETLAND A.

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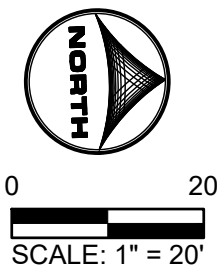
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
GRADING PLAN

SHEET NO.
C111

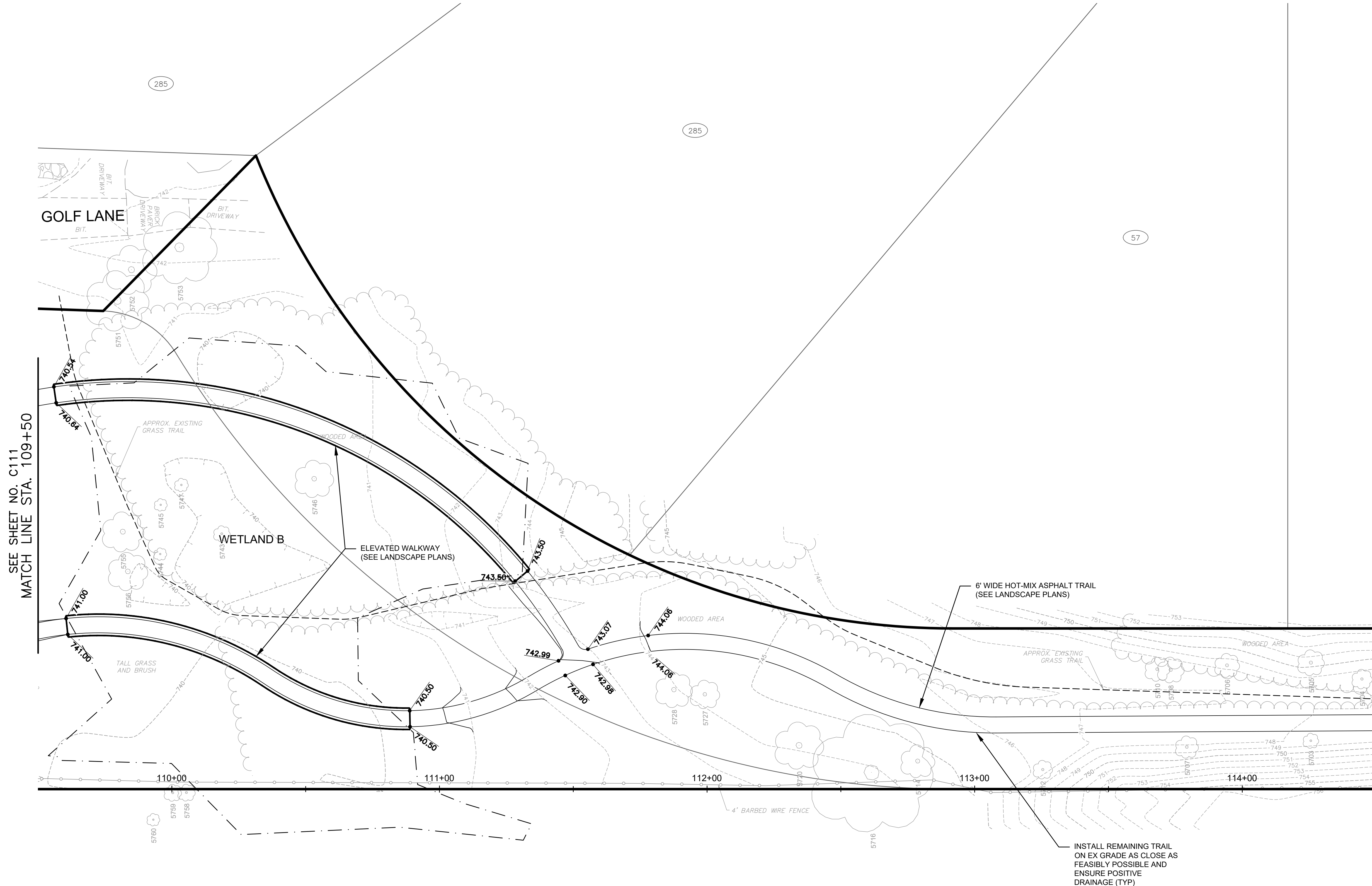


LEGEND

- xxx.xx INDICATES EXISTING AND/OR PROPOSED SPOT ELEVATIONS
- ~ INDICATES PROPOSED DRAINAGE DIRECTION ARROW
- ← INDICATES PROPOSED OVERFLOW DIRECTION ARROW

NOTES:

1. GRADING IS TO RETAIN THE PRE-PROJECT DRAINAGE CONDITIONS OF THE SITE, INCLUDING THE DISCHARGE POINT FROM THE PROJECT AREA.
2. REFER TO LANDSCAPING PLAN SHEETS (L100-L505) FOR POND AND SITE ELEMENTS.
3. NO GRADING ALLOWED WITHIN THE LIMITS OF WETLAND B.



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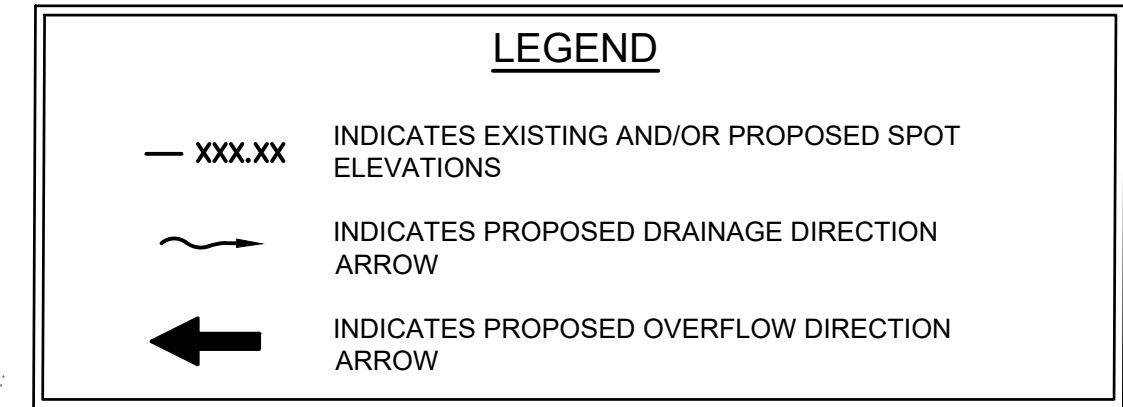
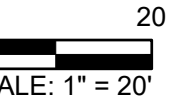
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
GRADING PLAN

SHEET NO.
C112



1. GRADING IS TO RETAIN THE PRE-PROJECT DRAINAGE CONDITIONS OF THE SITE, INCLUDING THE DISCHARGE POINT FROM THE PROJECT AREA.
2. REFER TO LANDSCAPING PLAN SHEETS (L100-L505) FOR POND AND SITE ELEMENTS.
3. NO WORK OR GRADING ALLOWED WITHIN THE LIMITS OF WETLAND C.

- INSTALL REMAINING TRAIL ON EX GRADE AS CLOSE AS FEASIBLY POSSIBLE AND ENSURE POSITIVE DRAINAGE (TYP)

WETLAND C

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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
GRADING PLAN

SHEET NO.
C113

CONTROL MEASURE GROUP	CONTROL MEASURE	KEY	APPL.	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMIT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	(TS)	X	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	X	
	PERMANENT SEEDING	(PS)	X	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION. FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.		X
	DORMANT SEEDING	(DS)		SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.		
	SODDING	(SO)		QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIP. CAN BE USED ON STEEP SLOPES OR IN DRAINAGEWAYS WHERE SEEDING MAY BE DIFFICULT.		
	GROUND COVER	(GC)	X	PROVIDES GROUND COVER, SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.		X
NON VEGETATIVE SOIL COVER	RAIN GARDEN	(RG)		PROVIDES A TYPE OF FUNCTIONAL LANDSCAPING FEATURE DESIGNED TO CONTROL STORMWATER RUNOFF. SEE LANDSCAPING PLANS FOR DETAILS.		
	MULCHING	(M)	X	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.	X	
	AGGREGATE COVER	(AG)		PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.		
	PAVING	(P)		PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		
	EROSION BLANKET	(EB)	X	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING TIME OF YEAR IS INAPPROPRIATE AND IN SLOPED AREAS.	X	
DIVERSIONS	RIDGE DIVERSION	(RD)		TYPICALLY USED ABOVE SLOPES. USED WHEN AN EXCESS OF SOIL IS AVAILABLE.		
	CHANNEL DIVERSION	(CD)		TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.		
	COMBINATION DIVERSION	(CBD)		TYPICALLY USED ANYWHERE ON A SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.		
	CURB AND GUTTER	(CG)		SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		
	BENCHES	(B)		SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.		
WATERWAYS	BARE CHANNEL	(BC)		PROVIDES MEANS OF CONVEYING RUNOFF TO DESIRED LOCATION. MAY BE USED TO DRAIN DEPRESSIONAL AREAS. ONLY APPLICABLE WHEN VELOCITY OF FLOW IS VERY LOW.		
	VEGETATIVE CHANNEL	(VC)		PROVIDED ABOVE STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.		
	LINED CHANNEL	(LC)		USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.		
ENCLOSED DRAINAGE	DITCH CHECKS	(DC)		PROVIDES AN ENERGY DISSIPATOR ALONG A LENGTHY CHANNEL TO REDUCE VELOCITY OF STORMWATER		
	STORM SEWER	(ST)		CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.		
	UNDERDRAIN	(UD)		USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO DEWATER SEDIMENT BASINS.		
SPILLWAYS	STRAIGHT PIPE SPILLWAY	(SS)		USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER		
	DROP INLET PIPE SPILLWAY	(DIS)		SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		
	WEIR SPILLWAY	(W)		USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.		
	BOX INLET WEIR SPILLWAY	(BS)		SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.		
OUTLETS	LINED APRON	(LA)		PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.		
	STONE RIP RAP	(RR)	X	USED AS AN ENERGY DISSIPATOR AT OUTLET STRUCTURES TO REDUCE VELOCITIES		X
SEDIMENT BASINS	EMBANKMENT SEDIMENT BASIN	(ES)		USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.		
	EXCAVATED SEDIMENT BASIN	(XS)		USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.		
	COMBINATION SEDIMENT BASIN	(SB)		USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.		
SEDIMENT FILTERS	BARRIER FILTER (SILT FENCE)	(BF)	X	A TEMPORARY BARRIER OF ENTRENCHED GEOTEXTILE FABRIC (FILTER FABRIC) STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL.	X	
	VEGETATIVE FILTER	(VF)		USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.		
	INLET PROTECTION	(IP)		USED FOR FILTERING SEDIMENT WITHIN GRASS AREAS BEFORE WATER ENTERS THE STORM SEWER		
	FILTER BASKET	(FB)		USED FOR FILTERING SEDIMENT WITHIN THE ROADWAY BEFORE ENTERING THE STORM SEWER		
MUD AND	STABILIZED CONST. ENTRANCE	(SE)	X	A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.	X	
	CONSTRUCTION ROAD STABILIZATION	(CRS)		THE STABILIZATION OF TEMPORARY CONSTRUCTION ACCESS ROUTES, SUBDIVISION ROADS, ON-SITE VEHICLE TRANSPORTATION ROUTES, AND CONSTRUCTION PARKING AREAS WITH STONE IMMEDIATELY AFTER GRADING TO PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
DUST CONTROL	DUST AND TRAFFIC CONTROL	(DT)	X	CONTROL OF DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS	X	
	EXPLORATORY TRENCH	(ET)		EXPLORATORY TRENCH EXCAVATION FOR EXISTING UTILITIES		
MISC.						
	CONCRETE WASHOUT	(WO)		PREVENTS THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE IN A DESIGNATED WASHOUT AREA (CONCRETE WASHOUT BMP)		

EROSION CONTROL NOTES:
- No land disturbing activities shall not commence until approval to do so has been received by governing authorities. In addition to, no land clearing or grading shall begin until all perimeter erosion and sediment control measures have been installed. (Including Storm Water Pollution Prevention Plan per the development criteria.) - The general contractor shall strictly adhere to the Storm Water Pollution Prevention Plan (SWPPP) during construction operations. - All topsoil shall be stripped prior to filling - All exposed areas shall be seeded as specified within 14 days of final grading. - Should construction stop for longer than 14 days, the site shall be seeded as specified. - Sediment and erosion control measures shall be inspected at least once every seven (7) days and within 24 hours of a rainfall exceeding 0.5 inches during a 24-hour period or more frequently if required by governing NPDES general permit. All maintenance required by inspection shall commence within 24 hours and be completed within 48 hours of report. - This plan shall not be considered all inclusive as the general contractor shall take all necessary precautions to prevent soil sediment from leaving the site. - General contractor shall comply with all state and local ordinances that apply. - Additional erosion and sediment control measures will be installed if deemed necessary by on site inspection - If installation of storm drainage system should be interrupted by weather or nightfall, the pipe ends shall be covered with filter fabric. - General contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization. - All sedimentation and erosion control regulations shall be adhered to per the Village of Carolanville's requirements - All erosion and sediment control practices shall be maintained and repaired as needed to ensure effective performance of the required erosion control measures. - All erosion and sediment control work shall conform to the I.D.O.T. Manual for, standards and procedures for erosion control. - All construction will adhere to the requirements set forth in the IEPA's new construction site activities National Pollutant Discharge Elimination System (NPDES) storm water permit. - All roadways shall be cleaned at the end of each construction day. - All disturbed areas shall be stabilized within 7 days of active disturbance. - All erosion control measures shall be disposed of within 30 days of final stabilization of the site. - Ground cover for 5:1 slopes or greater shall be established as soon as possible. - All disturbed areas to be restored w/4" topsoil respread & seeding/sodding unless otherwise noted on plans - Silt filter fabric shall be placed between frame and grate until vegetation is established. (See Detail) - Utilize excelsior blanket on all slopes of 5:1 or greater. *Seeding per I.D.O.T. Manual, section 251, standard specifications for road and bridge construction, (latest edition) *Class 3 type - slope mixture *Mulch/hydroseed per I.D.O.T. Manual, section 251, standard specifications for road and bridge construction, (latest edition) *Mulch/hydroseed method 2, procedure 3 - No dimensions shall be assumed by scaling. - No known drain tiles are present on the proposed development, if tiles are encountered during construction please notify the engineer immediately. - No part of the proposed project is located within a flood hazard 10-100yr area a flood hazard area - Excess material shall be placed at specified location unless otherwise specified by owner and approved by engineer for use of lot grading. Stockpiles shall be surrounded with filter fence and shall be seeded per I.D.O.T. Manual (latest addition) (temporary) if left more than 14 working days. - General contractor shall notify all utility companies having underground utilities on site or in right-of-way prior to excavation. Contractor shall contact utility locating company and locate all utilities prior to grading start.

PHASING NOTES:
SEQUENCE OF MAJOR ACTIVITIES - AS APPLICABLE TO PROJECT The Contractor will be responsible for implementing the following erosion control and storm water management control measures. The Contractor may designate these tasks to certain subcontractors as he sees fit, but the ultimate responsibility for implementing these controls and ensuring their proper functioning remains with the Contractor. The order of activities will be as follows (refer to the Erosion and Sediment Control Plan Sheet contained in this SWPPP for details and refer to the Suggested Phasing Plan in the design drawings for construction sequencing): A. A pre-construction meeting shall be held by the Site Project Manager and the Operator's Engineer prior to land disturbing activities. B. Install perimeter silt fences and inlet protection in the locations shown on the plan sheets. C. Implement erosion control measures around the existing storm sewer to prevent sedimentation from infiltrating into the storm sewer system as shown on the plan sheets. D. Construct temporary construction exits at locations shown on the Erosion Control plan sheets. E. Begin clearing and grubbing operations. Clearing and grubbing shall be done only in areas where earthwork will be performed and only in areas where construction measures are planned to commence within 7 days after clearing and grubbing. F. Disturbed areas of the site where Construction Activity has ceased for more than 7 days shall be temporary seeded and watered. G. Install suggested maintenance of traffic measures. H. Carry out final grading and seeding, sodding and planting, including rolled erosion control products where shown on the Erosion Control plan sheets. I. Remove silt fencing only after all paving is complete and exposed surfaces are stabilized. J. Remove temporary construction exits A schedule for implementation for the activities identified above is included as Form C-3 of the SWPPP.

SEEDING / SODDING CHART											
STABILIZATION TYPE	CONTRACTOR RESPONSIBILITY			CONTRACTOR RESPONSIBILITY			CONTRACTOR RESPONSIBILITY			CONTRACTOR RESPONSIBILITY	
	JAN.	FEB.	MAR.	PER I.D.O.T. SPECIFICATIONS APR. 1 - JUNE 15	JUNE 15 - AUG. 1	AUG. 1 - OCT. 1	OCT. 1 - NOV. 1	NOV. 1 - DEC. 1	DEC. 1 - JAN. 1	JAN. 1 - FEB. 1	FEB. 1 - MAR. 1
* DORMANT SEEDING (135lb/Ac)	X	X	X								
* TEMPORARY SEEDING (100lb/Ac)				X	X	X	X	X	X	X	X
* PERMANENT SEEDING (See IDOT Specs.)				X	X	X	X	X	X	X	X
* MULCHING (2 Tons/Ac)	+	+	+	+	+	+	+	+	+	+	+
* SODDING (See IDOT Specs.)											
				PER I.D.O.T. SPECIFICATIONS				PER I.D.O.T. SPECIFICATIONS			

* SEE I.D.O.T. SPECIFICATIONS FOR INSTALLATION AND APPLICATION REQUIREMENTS
** SUPPLEMENTAL WATERING MAYBE REQUIRED. (SEE I.D.O.T. SPECIFICATIONS FOR REQUIREMENTS)

FAILURE TO COMPLY:
In the event a notice of violation is issued on this project, any and all fines will be the sole responsibility of the contractor. The owner, owner's representative, or other owner's agents will not participate in any payment or reimbursement for fines and will not authorize time extensions due to delays in project progress for work stoppage required to remedy the violations.

SPECIFICATIONS AND GENERAL NOTES:
NOTES: This plan has been prepared to comply with the provisions of the NPDES Permit Number issued by the Illinois Environmental Protection Agency for Stormwater Discharges from Construction Site Activities. 1. Site Description. a. The Overall project area is tributary to the Fox River. b. The following is a description of the construction activity which is the subject of this plan: The proposed improvements consists of construction of storm sewer, streambank stabilization, clearing, grubbing, grading and restoration to existing conditions. The construction activities for site improvements will include: site clearing, grubbing, mass grading, installation of utilities including storm sewers, soil erosion and sedimentation control measures, as a minimum. c. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site such as grubbing, excavation, and grading: The sequence of the construction activities may be as follows: See Sequence of major activities on this sheet. d. The total area of the construction site is estimated to be 5.43± acres. The total area if the site that is estimated to be disturbed by excavation, grading, or other activities, is 0.0X± acres. 2. Controls. This section of the plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b. above. For each measure discussed, the contractors will be responsible for its implementation as indicated. Each such contractor has signed the required certification on forms which are attached to, and are a part of, this plan. a. Erosion and Sediment Controls. (i) STABILIZATION PRACTICES. Provided below is a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Except as provided in 2.a. (i) (A) and 2.b. stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portions of the site where construction activity will not occur for a period of 21 or more calendar days. (A) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter. The following interim and permanent stabilization practices, as a minimum will be implemented to stabilize the disturbed area of the site: 1. Temporary Seeding 2. Permanent seeding 3. Erosion Blanket 4. Barrier filter 5. Inlet protection 6. Outlet protection 7. Vegetative filter 8. Stabilized construction entrance 9. Dust & Traffic Control (ii) STRUCTURAL PRACTICES. Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. The installation of these devices may be subject to Section 404 of the Clean Water Act. 1. Storm sewer system 2. Vegetated drainage swales 3. Permanent seeding 4. Outlet protection 5. Filter fabric 6. Inlet protection b. Erosion Control. It shall be the Contractor's responsibility to provide adequate erosion control on the job site. The following erosion control sequence shall be adhered to: See Sequence of major activities on this sheet. Any siltation of conduits, structures, or ditches shall be cleaned and maintained by the Contractor, on a weekly basis, until the seeding has taken hold. All washouts, gullies, etc. will be regraded and reseeded by the Contractor, at the Contractor's expense. The Contractor's responsibility for erosion control shall extend throughout the construction process. The Contractor shall be responsible for cleanup of paved surfaces within and adjacent to the project. All erosion control practices shall be in compliance with the latest revision of the "Standard Specifications for Road and Bridge Construction," by the Illinois Department of Transportation and with "Standards and Specifications for Soil Erosion and Sedimentation Control" as published by the Illinois Environmental Protection Agency. If a topsoil stockpile location is provided and approved by the County, Contractor shall establish erosion control measures for the stockpile if it is to remain in place for more than three days. In addition, barrier filter fence shall enclose topsoil stockpile location with exception of truck access during construction hours. c. Stormwater Management. (i) Provided below is a description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act. The practices selected for implementation were determined on the basis of the technical guidance contained in IEPA's Standard Specifications for Soil Erosion and Sedimentation Control, and other ordinances listed in the Specifications. The stormwater pollutant control measures shall include: 1. Silt filter fence 2. Drainage swales 3. Storm sewers 4. Rip-rap outlet protection 5. Straw bale inlet protection 6. Retention/Detention ponds (ii) Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive flow from the structure to the water course, so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities). Stormwater Management Control includes 1. Stone Riprap 2. Filter fabric 3. Vegetative channels 4. Outlet protection 5. Inlet protection. 3. Other Controls. (i) Waste Disposal. The solid waste materials including trash, construction debris, excess construction materials, machinery, tools and other items will be collected and disposed off-site by the contractor. The contractor is responsible to acquire any permit required for such disposal. Burning on the site will not be permitted. No solid materials, including building materials, shall be discharged into Waters of the State, except as authorized by a Section 404 permit. (ii) The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations. The sanitary sewage will be discharged to the proposed sanitary sewer constructed per IEPA and local standards. a. Approved State or Local Plans. The management practices, controls and other provisions contained in this plan are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Standards and Specifications for Soil and Erosion and Sediment Control dated October, 1987, Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Plan, and the Municipal Subdivision Ordinance. Requirements specified in sediment and erosion control site plans or site permits or stormwater management or site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan. b. Maintenance. The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan and Standard Specifications. Stabilized construction entrance: The entrance shall be maintained to prevent tracking of sediment onto public streets. This will be done by top dressing with additional stones, remove and replace top layer of stones or washing the entrance. The sediment washed on the public right-of-way will be removed immediately. Vegetative erosion control measures: The vegetative growth of temporary and permanent seeding, sodding,

vegetative channels, vegetative filter, etc. shall be maintained periodically and supply adequate watering and fertilizer. The vegetative cover shall be removed and reseeded as necessary. Sedimentation basins/traps: The sediments shall be removed when 25 percent of the total original capavillage is occupied by the sediment. In no case shall the sediment be built up to more than 1 foot below the crest elevation. At this stage, the basin shall be cleaned out to restore its original volume. Silt filter fence. The damaged silt filter fence shall be restored to meet the standards or removed and replaced as needed. Straw bale barrier filters: The straw bale barrier filter shall be inspected frequently and shall be repaired or removed and replaced as needed. Rip-rap outlet protection: It shall be inspected after high flows for any scour beneath the Rip-rap or for stones that have been dislodged. It shall be repaired immediately. Inlet Protection: Shall be inspected and emptied of silt if filled as required. Disturbed areas shall be stabilized with temporary or permanent measures within 7 calendar days following the end of active disturbance, or redistribution, consistent with the following criteria: (i) Appropriate temporary or permanent stabilization measures shall include seeding, mulching, sodding, and/or non-vegetative measures. (ii) Areas having slopes greater than 12 percent shall be stabilized with sod, mat, or blanket in combination with seeding or equivalent. Soil storage piles containing more than 10 cu. yds. of material shall not be located with a downslope drainage length less than 25 feet to a roadway or drainage channel. Filter barriers, including straw bales, filter fence, or equivalent, shall be installed immediately on the down slope of the piles. 4. Inspections. The Owner, or Owner's representative shall provide qualified personnel to inspect disturbed areas of the construction site which have not been finally stabilized, structural control measures and location where vehicles enter or exit the site. Such inspections shall be conducted at least once every seven (7) calendar days within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall. a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking. b. Based on the results of the inspection, the description of potential pollutant sources identified in section 1 above and pollution prevention measures identified in section 2 above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 7 calendar days following the inspection. c. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this stormwater pollution prevention plan and actions taken in accordance with section 4.b, shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI.6 of the general permit. d. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incidence of Noncompliance" (ION) report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a description of any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit. The report of noncompliance shall be mailed to the following address: Illinois Environmental Protection Agency Division of Water Pollution Control Attn: Compliance Assurance Section 2200 Churchill Road Post Office Box 19276 Springfield, Illinois 62794-9276 5. Non-Stormwater Discharges. Except for flows from fire fighting activities, sources of non-stormwater that may be combined with stormwater discharges associated with the industrial activity addressed in this plan, are described below: a. Water main flushing b. Fire hydrant flushing c. Watering for dust control d. Irrigation drainage for vegetative growth for seeding, etc.. The pollution prevention measures, as described below, will be implemented for non-stormwater components of the discharge: The fire hydrant and water main shall not be flushed directly on the exposed area of sub grade of the pavement. Hoses shall be used to direct the flow into the storm sewer system, if available. The erosion due to irrigation of seeding shall be considered minor. Contractor to provide the above non-stormwater discharged control to the standard specification required by the Village or the approved equal. 6. Monitoring and Management Plan A three-year maintenance and monitoring plan is required after installation of native landscaping. See Project Specifications for details.
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CONTRACTOR'S AND SUBCONTRACTOR'S CERTIFICATE

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (LR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

CONTRACTOR'S PRINTED NAME AND SIGNATURE	CERTIFICATION DATE
CONTRACTOR TITLE	TELEPHONE NUMBER
CONTRACTOR COMPANY NAME AND ADDRESS	
SUBCONTRACTOR'S NAME AND SIGNATURE	CERTIFICATION DATE
SUBCONTRACTOR'S TITLE	TELEPHONE NUMBER
SUBCONTRACTOR'S COMPANY NAME AND ADDRESS	
Trout Valley IL - Trout Valley Nature Park	
SITE ADDRESS	
IEPA:ILR10 PERMIT #	

DRAWN BY: CFR	JOB DATE: 2026
APPROVED: AHP	JOB NUMBER: 211549.01
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NO.	DATE	BY	REVISION DESCRIPTION



TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EROSION CONTROL-RESTORATION NOTES AND SPECIFICATIONS (SWPPP)

SHEET NO.
C501

ISSUE FOR BID
NOT FOR CONSTRUCTION

MCHENRY COUNTY STANDARD SOIL EROSION & SEDIMENT CONTROL NOTES:

- CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS URBAN MANUAL" UNLESS STATED OTHERWISE.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS ACHIEVED.
- SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.
- NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.
- OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.
- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.
- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW:
 - WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; AND
 - IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.
- DISTURBANCE OF STEEPS SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR EQUIVALENT CONTROL MEASURE.
- PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.
- THE STORM WATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.
- IF DEWATERING SERVICES ARE USED, DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENFORCEMENT OFFICER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION OF THE DEVELOPMENT SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED

SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

- STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN IWMC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.
- EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:
 - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER; AND
 - MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.
- ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
- THE ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL OR ALTERNATE SOIL EROSION AND SEDIMENT CONTROL MEASURES, BASED ON DEVELOPMENT SITE SPECIFIC CONSIDERATIONS AND THE EFFECTIVENESS OF THE INSTALLED CONTROL MEASURES.
- DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORM WATER MANAGEMENT SYSTEM.
- ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.
- DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINAGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.
- IN BUFFERS AND WETLANDS, THE EXCAVATED AREAS SHALL BE BACKFILLED WITH NATIVE SOIL IN THE SAME STRATIFICATION IN WHICH THE SOIL WAS REMOVED.
- THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENTATION CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL PRACTICES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION PRACTICES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

MCHENRY COUNTY STANDARD DRAIN TILE NOTES:

- DRAIN TILES DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE DEVELOPMENT PLANS SPECIFY ABANDONMENT OF THE DRAIN TILES.
- ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.
- DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SITE SHALL BE REPLACED, BYPASSED AROUND THE DEVELOPMENT SITE OR INTERCEPTED AND CONNECTED TO THE STORMWATER MANAGEMENT SYSTEM FOR THE DEVELOPMENT SITE. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

MISC. STANDARD NOTES:

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE "ILLINOIS URBAN MANUAL" LATEST EDITION.
- THE VILLAGE OF TROUT VALLEY AND RESIDENT ENGINEER MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ON WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.
- ALL DEWATERING OPERATIONS MUST FOLLOW THE ILLINOIS URBAN MANUAL PRACTICE STANDARD 813. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.
- IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- BACKUP QUANTITIES OF BEST MANAGEMENT PRACTICES HIGHLIGHTED IN THIS PLAN WILL BE HELD ON SITE FOR IMMEDIATE CORRECTIONAL ACTION IMPLEMENTATION FOLLOWING AN INSTANCE OF NON-COMPLIANCE.
- THE LOCAL WEATHER PROJECTIONS WILL BE CONSIDERED WHEN IMPLEMENTING THE WEEKLY CONSTRUCTION PLANS.
- ANY POTENTIAL IMPACT OF CONSTRUCTION ON OFF-SITE AREAS SHALL BE INCORPORATED INTO THE WEEKLY SWPPP INSPECTIONS.
- ALL TRAFFIC GOING IN AND OUT OF THE CONSTRUCTION SITE SHALL BE RESTRICTED TO STABILIZED CONSTRUCTION ENTRANCES.
- ANY INLET FOUND WITHIN 50' OF A CONSTRUCTION ENTRANCE SHALL HAVE PROTECTION MECHANISMS IN PLACE.
- THE VILLAGE OF TROUT VALLEY AND RESIDENT ENGINEER WILL USE THE ILLINOIS URBAN MANUAL AS A TECHNICAL REFERENCE FOR GUIDANCE WHEN ACCESSING SITE COMPLIANCE.
- ALL DISTURBED GROUND DIRECTLY UPLAND OF JURISDICTIONAL AREAS SHALL RECEIVE ADEQUATE PROTECTION MEASURES AT THE CONCLUSION OF EACH WORK DAY.
- ANY RIP-RAP PLACED IN JURISDICTIONAL AREAS, OR DIRECTLY UPSTREAM SHALL BE CLEANED OF FINES AND DEBRIS PRIOR TO PLACEMENT INTO SAID AREAS
- ALL DEWATERING OPERATIONS SHALL, AT MINIMUM, FOLLOW ILLINOIS URBAN MANUAL PRACTICE STANDARD 813.
- BACKUP BEST MANAGEMENT PRACTICES SHALL BE KEPT ON SITE IN ORDER TO IMPLEMENT REQUESTS FOR IMMEDIATE CORRECTIONAL ACTION.
- A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
- IN BUFFERS AND WETLANDS, THE EXCAVATED AREAS SHALL BE BACKFILLED WITH NATIVE SOIL IN THE SAME STRATIFICATION IN WHICH THE SOIL WAS REMOVED.
- THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENTATION CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL PRACTICES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION PRACTICES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

WETLAND NOTES:

- WETLAND BOUNDARIES SHOWN ON THE PLAN ARE BASED ON AUGUST 2025 DELINEATION CONDUCTED BY BAXTER & WOODMAN NATURAL RESOURCES.
- NO JURISDICTIONAL DETERMINATION WAS OBTAINED FOR THE N-SITE WETLANDS. FOR PERMITTING PURPOSES, JURISDICTIONAL STATUS IS ASSUMED.
- THE PROPOSED RESTORATION OF THE WETLANDS IS COVERED UNDER NATIONWIDE PERMIT 18 "MINOR DISCHARGES" AND NATIONWIDE PERMIT 33 "TEMPORARY CONSTRUCTION, ACCESS, AND DEWATERING" AS FOLLOWS:
 - THE DISCHARGE OF DREDGED OR FILL MATERIAL ASSOCIATED WITH THE PLACEMENT OF THE ELEVATED WALKWAY PIERS THROUGH WETLAND B WILL BE LESS THAN 10 CY BELOW THE PLANE OF THE OHWM.
 - THE PURPOSE OF THIS PROJECT INCLUDE SITE AND HABITAT RESTORATION AND WILL RESULT IN AN OVERALL BENEFIT TO THE WETLANDS AND SURROUNDING AREA.

ISSUE FOR BID
NOT FOR CONSTRUCTION

DRAWN BY: CFR JOB DATE: 2026
APPROVED: AHP JOB NUMBER: 211549.01
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BAR IS ONE INCH ON
OFFICIAL DRAWINGS.
0
IF NOT ONE INCH,
ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
STANDARD SOIL EROSION & SEDIMENT CONTROL
AND MICELLANEOUS NOTES

SHEET NO.

C502

DC

SYNTHETIC POROUS RUNOFF CONTROL STRUCTURES

Front View

Labels: Road, Slopeslope, Toe, Ditch, Toe, Backslope, Bottom Outside Corner of Backslope Panels, Top of Channel Panel, Overflow Spacing on Slope.

Dimensions: 6" Min. (Overlap), 4" min. (Bottom Outside Corner of Backslope Panels).

Labels: Slopeslope, Alignway, Slopeslope, Ditch, Bedslope, Slopeslope.

Side View

Labels: Flow, Panel, Erosion Matting, Erosion Staples, Backfill.

**Minimum Installation
Length up Slopes**

Slope	Panels
2:1	1
2.5:1	1.5
3:1	2
3.5:1	2
4:1	2
5:1	2.5
6:1	2.5

Typical Runoff Structure Spacing

Labels: Flow, Slope, Spacing: 13:1 / Slope %.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

STANDARD DWG. NO.

IUM-514

SHEET 1 OF 1

DATE 8-19-11

ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE

NOTES:

- OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
- SPACING FOR WATTLES.
- SPACING FOR ROLLED EXCELSIOR.
- SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

STAKE DETAIL

NOTES:

- DRAWINGS ARE NOT TO SCALE.
- ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
- RECOMMENDED STAKES ARE 1 1/8" WIDE X 1 1/8" THICK X 30" LONG.
- STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
- SPECIFICALLY: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE			STANDARD DWG. NO.
Project			IUM-514
Designed	Date _____		SHEET 1 OF 1
Checked	Date _____		DATE 08-2-2019
Approved	Date _____		

(EB) EROSION CONTROL BLANKET – TURF REINFORCEMENT MAT (TRM)

DETAIL 1

DETAIL 2

DETAIL 3

STAPLE DETAIL

PUSH PIN DETAIL

Note:
1. For sandy soil conditions, staple or push pin shall be a minimum 8 inches.

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

STANDARD DWG. NO.
IUM-531
SHEET 1 OF 1
DATE 02-22-11

SILT FENCE PLAN

ELEVATION

FABRIC ANCHOR DETAIL

NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile based upon performance needed.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 2' x 2' nominal size.

REFERENCE

Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

STANDARD DWG. NO.
IUM-620

SHEET 1 OF 2

DATE 3-16-12

(BF) SILT FENCE - SPLICING TWO FENCES

ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact back-fill (particularly at splices) completely to prevent stormwater piping.

REFERENCE	
Project	_____ Date _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

STANDARD DWG. NO.	IUM-620B(W)
SHEET	1 OF 1
DATE	3-16-2012

TP TREE TRUNK PROTECTION

SIDE VIEW

Labels for Side View:

- Protective cloth (burlap or better)
- Outer bands
- Banding material stapled to back of boards
- 2" x 8" boards (height varies)
- 1" maximum
- 8"
- 6"
- 8" (min.)
- 3"
- * Protective Cloth extension

Notes

- The contractor shall provide 2" x 8" boards banded continuously around each trunk with a protective cloth (such as burlap or better) placed between the boards and the tree to prevent scarring of the tree being protected. The height of the boards is variable due to height of tree being protected. Trees to be protected shall be shown in the plans or designated by the Professional Forester or Certified Arborist.
- The protective cloth shall extend past both the top and bottom of the boards as shown in the detail. Width of wrap material varies. For fabric that does not meet the required height, fabric shall overlap a minimum of 6" and shall be slipped to avoid slippage.

Detail View Labels:

- 8'-9" (min.)
- Protective cloth for tree wrap

TREE PROTECTION - FENCING

SIDE VIEW

POST AND FENCE DETAIL

NOTES:

1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
3. The fence may be either 40' high snow fence, 40' plastic web fencing or any other material as approved by the engineer/inspector.

REFERENCE

Project _____	_____
Designed _____	_____
Checked _____	_____
Approved _____	_____

Natural Resources Conservation Service

NRCS

STANDARD DWG. NO.

1L-690

SHEET 1 OF 1

DATE 4-7-94

INSTALL 6" OF WOOD CHIPS IN AREAS WHERE EQUIPMENT OPERATES. PROTECT TRUNK WITH PLANKING TO REDUCE SCARRING BY EQUIPMENT. REMOVE PLANKING, MATTING, AND MULCH AS SOON AS OPERATIONS ARE FINISHED.

2" X 4" PLANKING LOOSELY WIRED AROUND TREE

6" OF WOOD CHIPS (TYP.)

TEMPORARY FENCING

TYP. TREE TRUNK PROTECTION DETAIL

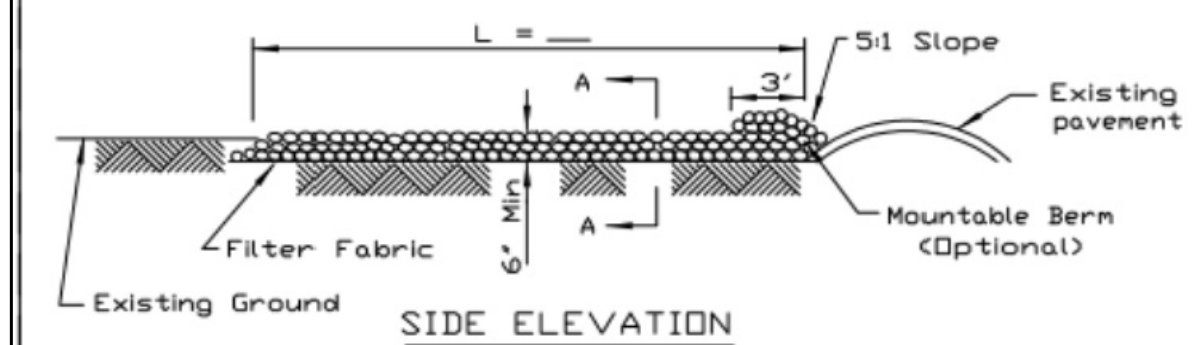
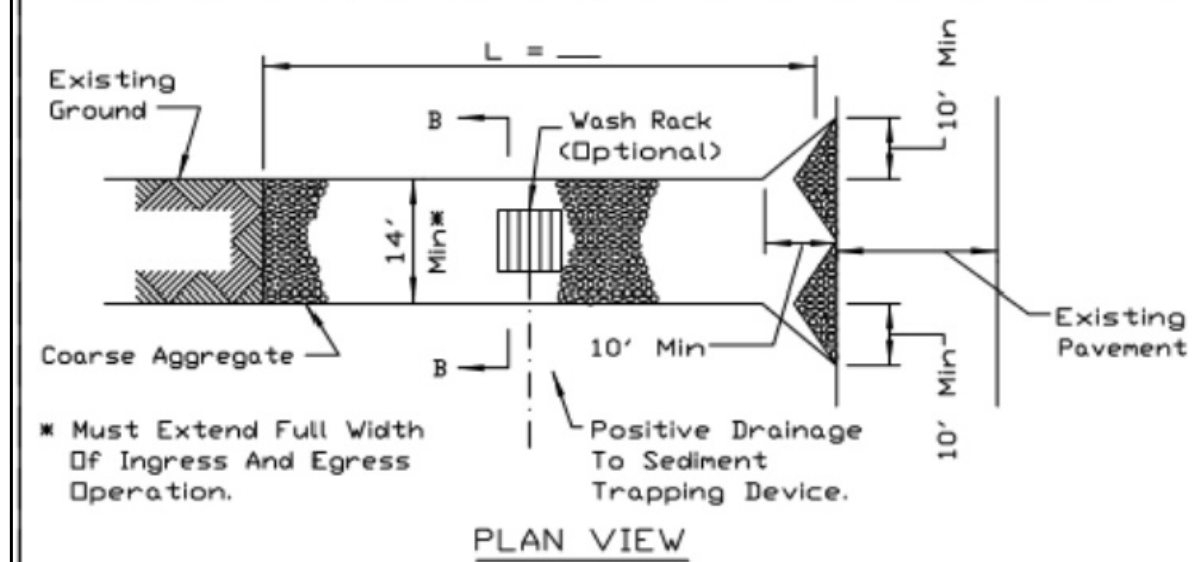
SCALE: NTS

CUT ROOTS CLEANLY AT 80°. IF TEARING OCCURS, CUT JUST BEYOND BEGINNING OF TEAR. BACKFILL ALL CUT ROOTS IMMEDIATELY.

TYP. ROOT PRUNING DETAIL

SCALE: NTS

(SE) STABILIZED CONSTRUCTION ENTRANCE PLAN



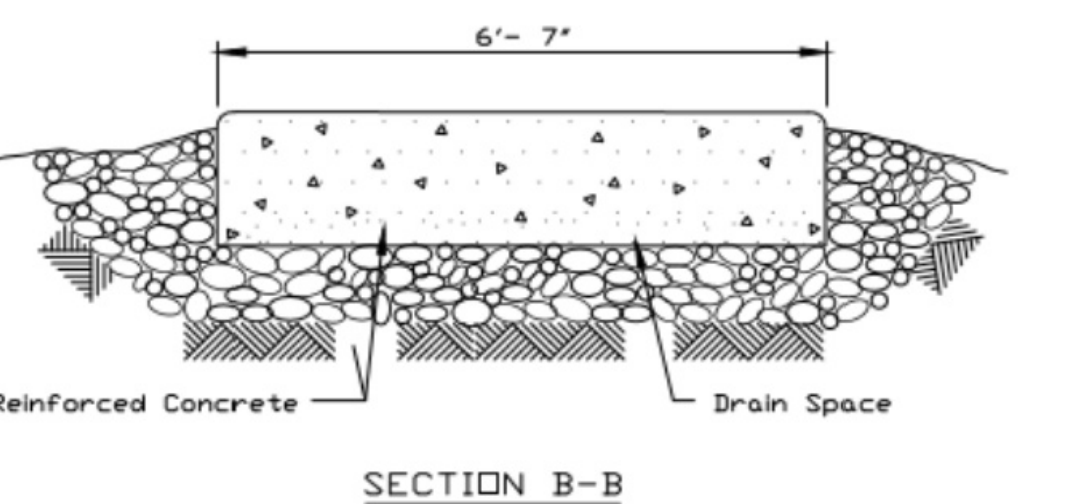
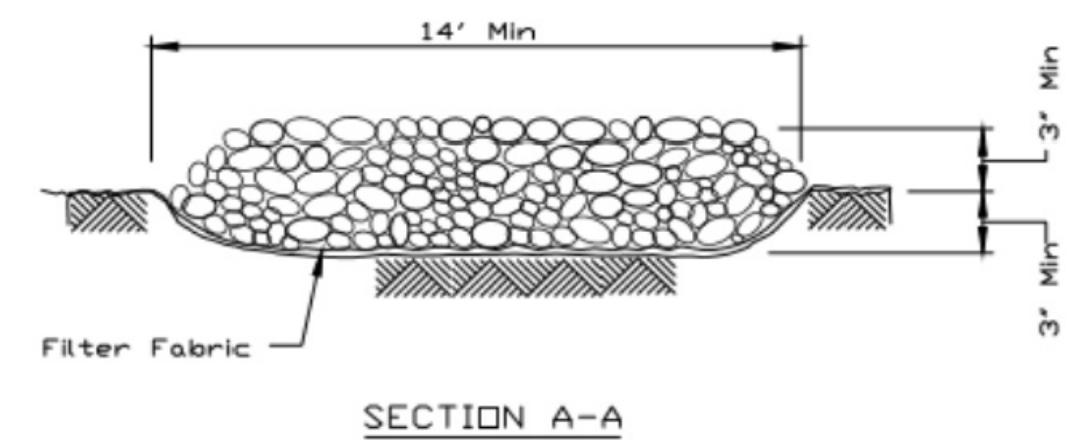
- NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE			
Project	Date		
Designed	Date		
Checked	Date		
Approved	Date		



STANDARD DWG. NO.	
IL-630	
SHEET 1 OF 2	
DATE 8-18-94	

(SE) STABILIZED CONSTRUCTION ENTRANCE PLAN

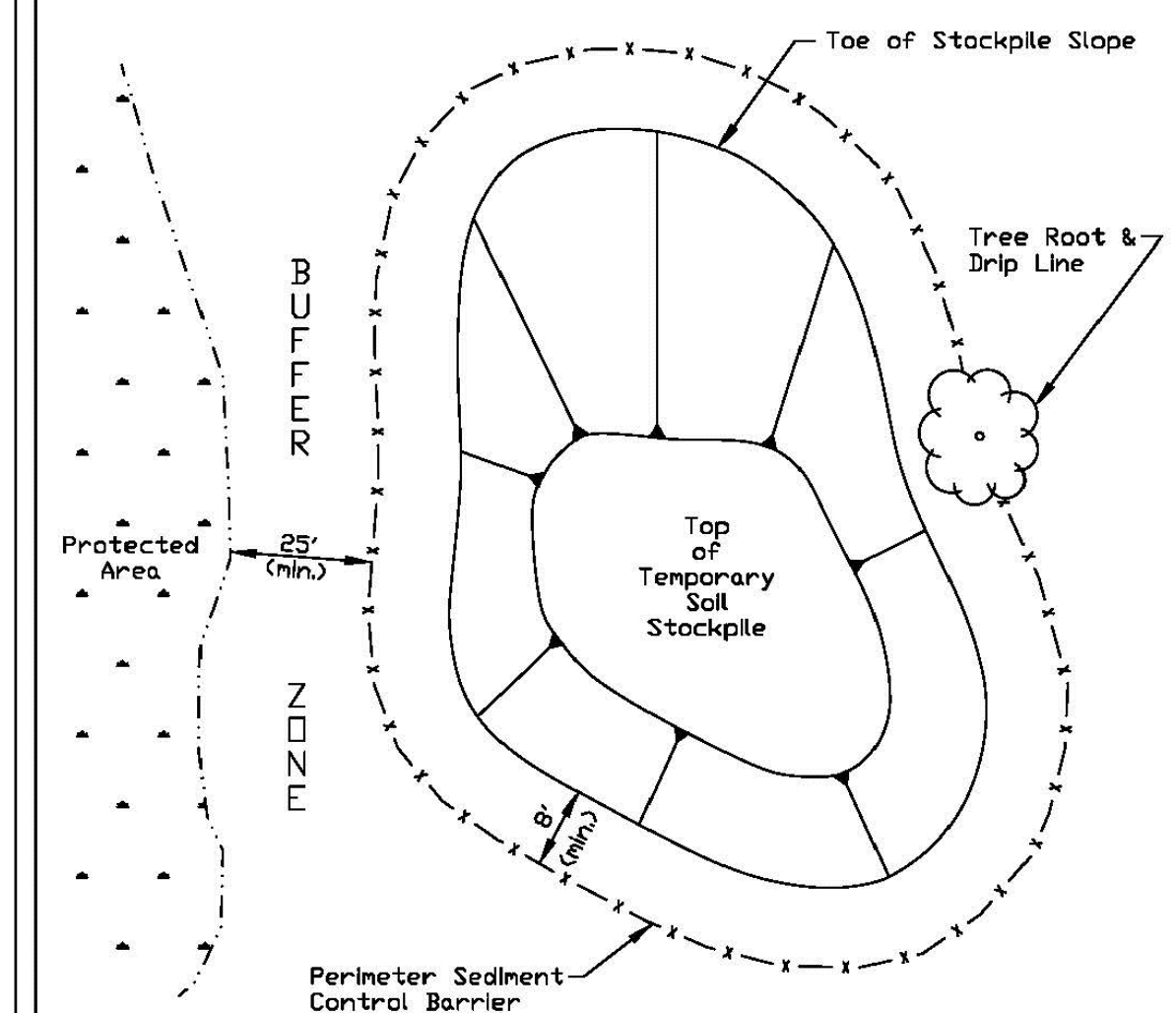


REFERENCE			
Project	Date		
Designed	Date		
Checked	Date		
Approved	Date		



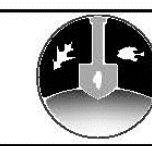
STANDARD DWG. NO.	
IL-630	
SHEET 2 OF 2	
DATE 8-18-94	

TEMPORARY SOIL STOCKPILE DETAIL

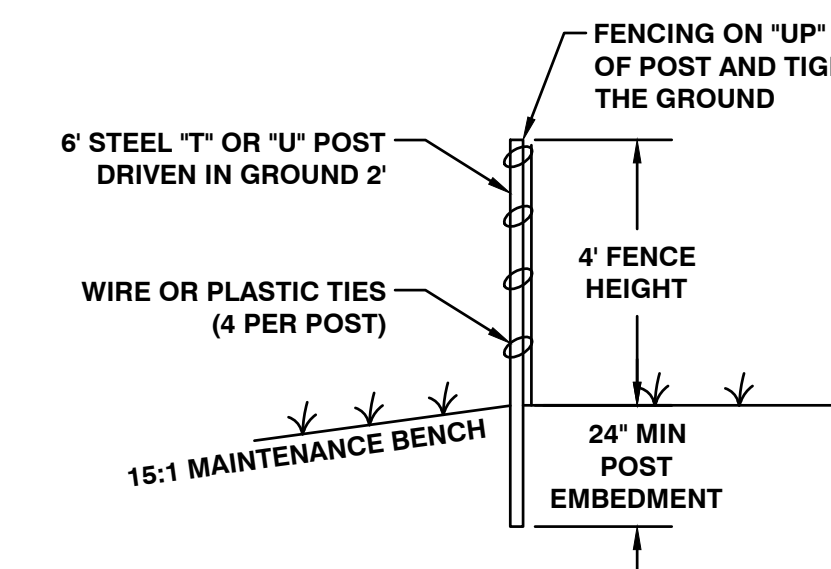
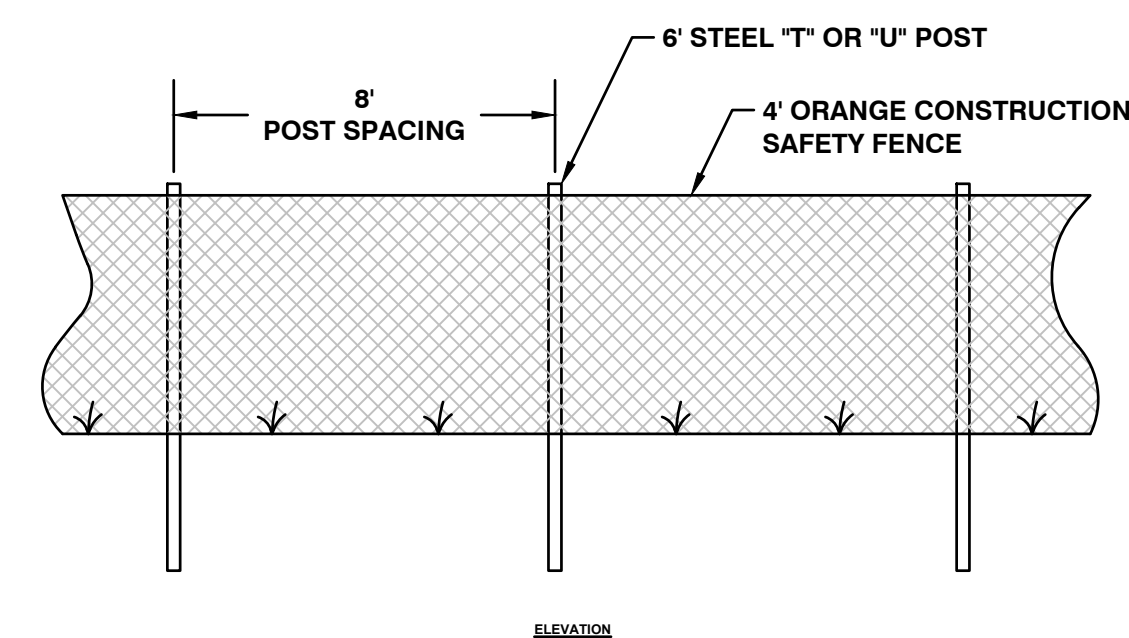
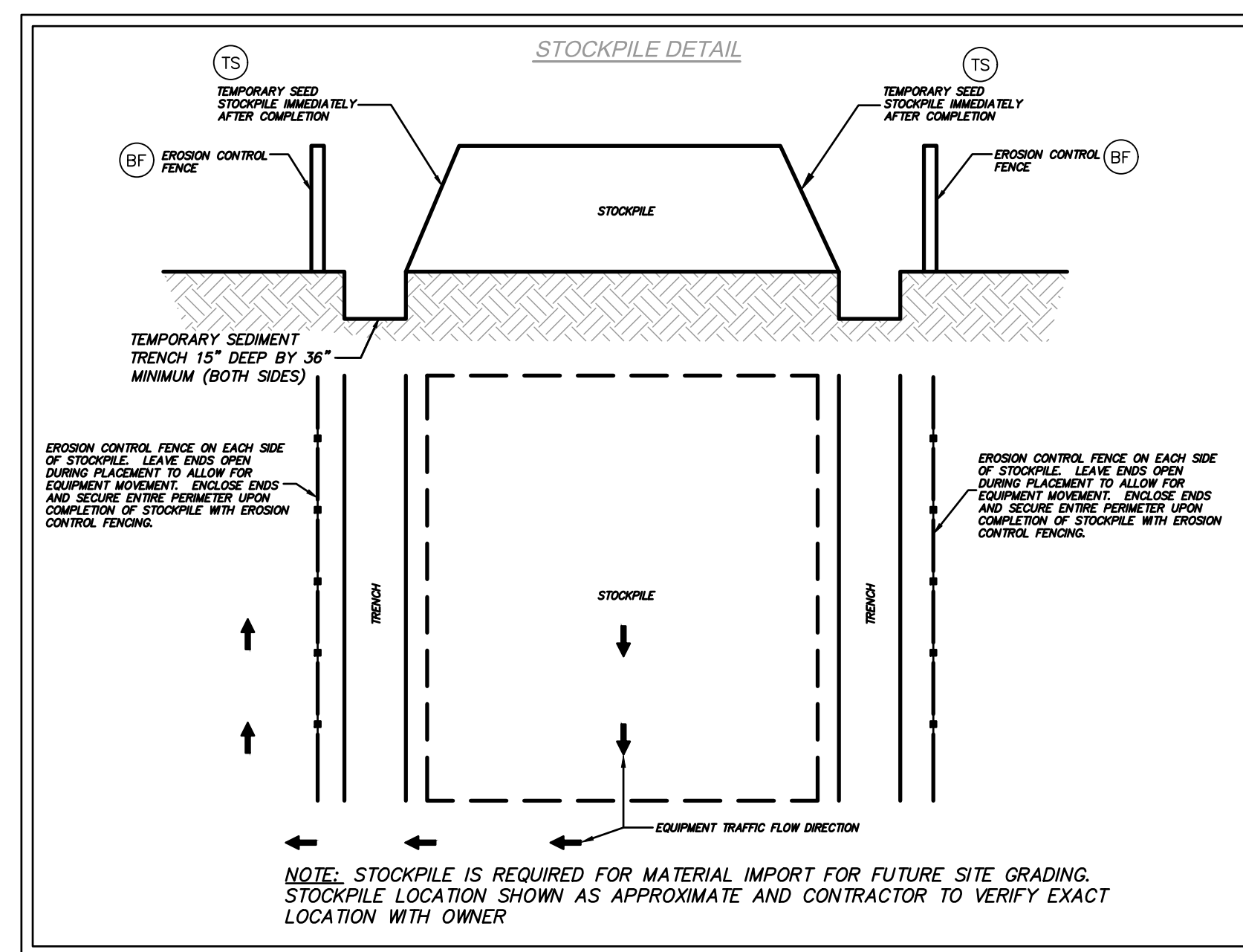


- NOTES:
1. Stockpile slopes should be based on angle of repose of the soil material to avoid potential sloughing of the slope.
 2. Soil stockpile to be stabilized in accordance with practical standards.
 3. Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
 4. Provisions for sediment control practices may be required along haul roads and entrance/exit locations for access the soil stockpile that can create flow path for stormwater runoff.
 5. Installation of benches, terraces, or slope interrupters should be considered.
 6. Avoid building soil stockpiles on impervious surfaces.
 7. Linear sediment trap surrounding the stockpile base may be used to control sediment.

REFERENCE			
Project	Date		
Designed	Date		
Checked	Date		
Approved	Date		



STANDARD DWG. NO.	
IUM-627	
SHEET 1 OF 1	
DATE JANUARY 2017	



(CF) TYPICAL CONSTRUCTION FENCE DETAIL

DRAWN BY: CFR JOB DATE: 2026
APPROVED: AHP JOB NUMBER: 211549.01
CAD DATE: 8/3/2026 4:04:51 PM
CAD FILE: j:\2021\211549.01\CAD\Draws\C\211549.01-ECDetails.dwg

BAR IS ONE INCH ON
OFFICIAL DRAWINGS.
0
IF NOT ONE INCH,
ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

CIVIL
EROSION CONTROL DETAILS

SHEET NO.
C504

ISSUE FOR BID
NOT FOR CONSTRUCTION

GENERAL NOTES

1. BASE MAP INFORMATION IS ACCURATE AS OF THE DATE PRINTED ON THIS PACKAGE.
2. THE LANDSCAPE PLANS CONTAINED HEREIN ILLUSTRATE APPROXIMATE LOCATIONS OF ALL SITE CONDITIONS. REFER TO SURVEY, ARCHITECTURAL, CIVIL ENGINEERING, STRUCTURAL, ELECTRICAL, IRRIGATION AND ALL OTHER DRAWINGS, IF AVAILABLE, FOR ADDITIONAL DETAILED INFORMATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING AWARE OF AND FIELD VERIFYING ALL RELATED EXISTING AND PROPOSED CONDITIONS, UTILITIES, PIPES AND STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING J.U.L.I.E., THE MUNICIPAL PUBLIC WORKS DEPARTMENT, THE COUNTY AND ANY OTHER PUBLIC OR PRIVATE AGENCIES NECESSARY FOR UTILITY LOCATION PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF APPARENT CONFLICTS WITH CONSTRUCTION AND UTILITIES SO THAT ADJUSTMENTS CAN BE PLANNED PRIOR TO INSTALLATION. IF FIELD ADJUSTMENTS ARE NECESSARY DUE TO EXISTING UTILITY LOCATIONS THEY MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY AND ALL COSTS OR OTHER LIABILITIES INCURRED DUE TO DAMAGE OF SAID UTILITIES/STRUCTURES/ETC.
4. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS. THE CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS APPARENT THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR CLARIFICATION. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL LIABILITIES, INCLUDING NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
5. THE CONTRACTOR SHALL COMPLY WITH ALL CODES APPLICABLE TO THIS WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH SUBCONTRACTORS AND OTHER CONTRACTORS OF RELATED TRADES, AS REQUIRED, TO ACCOMPLISH THE PLANTING AND RELATED OPERATIONS.
7. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLANT MATERIAL WITH THE INSTALLATION OF OTHER IMPROVEMENTS SUCH AS HARDSCAPE ELEMENTS AND RELATED STRUCTURES. ANY DAMAGE TO EXISTING IMPROVEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ALL AREAS OF THE SITE, OR ADJACENT AREAS, WHERE DISTURBED BY OPERATIONS OF OR RELATED TO THE CONTRACTOR'S WORK.
9. ALL SURFACE DRAINAGE SHALL BE DIVERTED AWAY FROM STRUCTURES AND NOTED SITE FEATURES IN ALL AREAS AT A MINIMUM OF 2% SLOPE AS SHOWN ON THE CIVIL ENGINEERING PLANS. ALL AREAS SHALL POSITIVELY DRAIN AND ALL ISLANDS SHALL BE CROWNED 1" IN HEIGHT PER 1' IN ISLAND WIDTH.
10. THE CONTRACTOR SHALL STAKE ALL IMPROVEMENTS AS NOTED ON THE FOLLOWING PLANS, AS WELL AS, TREE LOCATIONS AND THE PERIMETER OF SHRUB/PERENNIAL BEDS PRIOR TO INSTALLATION AND CONTACT THE OWNER'S REPRESENTATIVE FOR APPROVAL. FINAL LOCATION AND STAKING OF ALL IMPROVEMENTS SHALL BE ACCEPTED BY THE OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.
11. IF CONFLICTS ARISE BETWEEN THE SIZE OF AREAS AND PLANS, THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER'S REPRESENTATIVE FOR RESOLUTION PRIOR TO INSTALLATION.
12. WHERE PROVIDED, AREA TAKEOFFS AND PLANT QUANTITY ESTIMATES IN THE PLANT LIST ARE FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE TO DO THEIR OWN QUANTITY TAKE-OFFS FOR ALL PLANT MATERIALS AND SIZES SHOWN ON PLANS. IN CASE OF ANY DISCREPANCIES, PLANS TAKE PRECEDENCE OVER CALL-OUTS AND/OR THE PLANT LIST(S).
13. ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION). PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES. PLANTS PLANTED IN ROWS OR GROUPS SHALL BE MATCHED IN FORM. PLANT MATERIAL OF THE SAME SPECIES SHALL BE OBTAINED FROM THE SAME SOURCE. PLANTS SHALL NOT BE ROOT-BOUND OR LOOSE IN THEIR CONTAINERS. HANDLE ALL PLANTS WITH CARE IN TRANSPORTING, PLANTING AND MAINTENANCE UNTIL INSPECTION AND FINAL ACCEPTANCE. FIELD COLLECTED, PARK GRADE, OR BARE ROOT MATERIAL SHALL NOT BE USED UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE.
14. ALL PLANTING BED EDGES TO BE SHOVEL CUT.
15. CONTRACTOR SHALL USE CAUTION WHEN DIGGING TREE PITS IN THE VICINITY OF UNDERGROUND UTILITY LINES AND MAY NEED TO HAND DIG THE PITS IN MANY OF THESE INSTANCES.
16. ALL AREAS DESIGNED TO RECEIVE SOLID SOD SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO GRASSING OPERATIONS. FINISH GRADE AT TURF AREAS SHALL BE 3/4"-1" BELOW TOP OF ADJACENT PAVEMENT OR CURBS.
17. CONTRACTOR SHALL FIELD ADJUST PLANT LOCATIONS TO ACCOMMODATE ALL LIGHTING AND ENSURE PLANTS WILL NOT INTERFERE WITH LIGHTING.
18. FERTILIZING, AS SPECIFIED, STAKING, WATERING AND ONE (1) YEAR PLANT WARRANTY FOR INSTALLED PLANT MATERIAL, SHALL BE CONSIDERED INCIDENTAL TO THE PLANT ITEMS.
19. MUSHROOM COMPOST SHALL BE FINELY SCREENED, HOMOGENOUS, DECOMPOSED ORGANIC MATERIAL SUITABLE FOR HORTICULTURAL USE AS AVAILABLE FROM MIDWEST TRADING HORTICULTURAL SUPPLIES, INC. ST. CHARLES, IL 60174 (630) 365-1990 OR APPROVED EQUAL. MIX THOROUGHLY IN PLANT BED BEFORE INSTALLING PLANTS.
20. WARRANTY: ONE (1) YEAR REPLACEMENT WARRANTY FOR ALL PLANT MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT. WARRANTY SHALL COVER PLANTS WHICH HAVE DIED OR PARTIALLY DIED (THEREBY RUINING THEIR NATURAL SHAPE), BUT SHALL NOT INCLUDE DAMAGE BY VANDALISM, BROWSING, HAIL, ABNORMAL FREEZES, DROUGHT OR NEGLIGENCE BY THE OWNER. THE WARRANTY IS INTENDED TO COVER CONTRACTOR NEGLIGENCE, INFESTATIONS, DISEASE AND DAMAGE OR SHOCK TO PLANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND WATERING THE PLANT MATERIAL AS NECESSARY, TO ENSURE GROWTH AND ESTABLISHMENT DURING THE 1-YEAR WARRANTY PERIOD. ANY PLANTS THAT ARE NOT IN A LIVE, HEALTHY, GROWING CONDITION AT THE END OF THE 1-YEAR WARRANTY PERIOD SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. PLANTS REPLACED UNDER WARRANTY WILL BE WARRANTED FOR ONE (1) YEAR FOLLOWING REPLACEMENT.

THE INSPECTIONS SHALL BE PERFORMED BETWEEN APRIL 1ST AND APRIL 15TH THE YEAR FOLLOWING COMPLETION. REPLACEMENTS SHALL BE COMPLETED PRIOR TO MAY 30TH OR THE MAINTENANCE BOND MAY BE USED FOR SUCH REPAIRS.

GENERAL NOTES – SPECIAL REQUIREMENTS– WARRANTY AND MAINTENANCE OF SODDED AND SEEDED AREAS

1. MOWING, TRIMMING AND REMOVAL OF GRASS CLIPPINGS IN TURF AREAS, DURING INITIAL 60 DAYS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DURING THIS TIME, CONTRACTOR SHALL MOW TURF AREAS AT REGULAR INTERVALS WHEN GRASS REACHES A HEIGHT BETWEEN 3 AND 4 INCHES AND SHALL MOW TO A 2 TO 2.5 INCH HEIGHT. CONTRACTOR SHALL ALSO NEATLY TRIM EDGES WHERE NECESSARY AND REMOVE CLIPPINGS AFTER MOWING AND TRIMMING. THIS SHALL INCLUDE ALL EXISITING TURF AREAS DURING THE DURATION OF CONSTRUCTION.
2. WARRANTY:

A. WARRANTY OF SEEDED AND SODDED AREAS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM.

B. THE WARRANTY IS TO GUARANTEE COMPLETED SEED/SOD AREAS FOR A PERIOD OF 1 YEAR AFTER INITIAL ACCEPTANCE HAS BEEN DOCUMENTED.

C. REPLACEMENT COSTS ARE THE CONTRACTOR'S RESPONSIBILITY, EXCEPT FOR THOSE RESULTING FROM LOSS OR DAMAGE DUE TO VANDALISM, CIVIL DISOBEDIENCE, ACTS OF NEGLECT ON THE PART OF OTHERS, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, FIRE, OR LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL AUTHORITY, OR BY 'ACTS OF GOD.'
3. MAINTENANCE:

A. CONTRACTOR SHALL COORDINATE MAINTENANCE OPERATIONS AND ACTIVITIES WITH THE OWNER DURING THE WARRANTY PERIOD.

B. MAINTENANCE OF SEED/SOD AREAS SHALL BE PERFORMED BY TRAINED PERSONNEL SKILLED IN IDENTIFYING DESIRED AND UNDESIRED PLANT MATERIAL.

C. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF SODDED AND SEEDED AREAS DURING THE 1 YEAR WARRANTY PERIOD WITH THE EXCEPTION OF ROUTINE MOWING OF TURF AREAS AFTER THE INITIAL 60 DAYS. ROUTINE MOWING OF TURF AREAS, DURING THE 1 YEAR WARRANTY PERIOD AFTER THE INITIAL 60 DAYS, WILL BE THE RESPONSIBILITY OF THE OWNER.

D. MAINTENANCE OF SEEDED AND SOD AREAS SHALL INCLUDE:

• WATERING TO PREVENT GRASS AND SOIL FROM DRYING OUT.

• ROLLING THE SURFACE TO REMOVE MINOR DEPRESSIONS OR IRREGULARITIES.

• CONTROLLING GROWTH OF WEEDS. WEEDING AND APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMEDY DAMAGE RESULTING FROM IMPROPER USE OF HERBICIDES.

• PROTECTING SEEDED/SOD AREAS WITH WARNING SIGNS DURING MAINTENANCE AND WARRANTY PERIOD AS DEEMED NECESSARY.

• EACH SPRING DURING THE 1 YEAR WARRANTY PERIOD, THE CONTRACTOR SHALL CORRECT AND RE-SEED/RE-SOD AS ORIGINALLY SPECIFIED, ANY DEFECTS IN THE SEEDED/SOD AREAS AND GRASS STAND, SUCH AS WEEDY AREAS, ERODED AREAS, AND BARE SPOTS, UNTIL AFFECTED AREAS ARE ACCEPTABLE TO THE OWNER'S REPRESENTATIVE.

• EACH SPRING DURING THE 1 YEAR WARRANTY PERIOD, THE CONTRACTOR SHALL REPLACE OR REPAIR TO ORIGINAL CONDITION, ALL DAMAGES TO PROPERTY RESULTING FROM THE SEEDING/SODDING OPERATION OR FROM THE REMEDYING OF DEFECTS, AT THE CONTRACTOR'S EXPENSE.

SPECIAL REQUIREMENTS – WARRANTY

- A. A WARRANTY IS REQUIRED TO GUARANTEE COMPLETED SEEDING/SODDING OPERATIONS PROVIDING A UNIFORMLY DENSE, LIVE, AND HEALTHY STAND OF GRASS, FREE OF WEEDS AND UNDESIRABLE GRASSES, DEBRIS, AND FREE OF ERODED AREAS, BARE SPOTS, DISEASES, AND INSECTS AT THE END OF ONE YEAR FOLLOWING PROJECT ACCEPTANCE.
- B. CONTRACTOR TO REPLACE AS ORIGINALLY SPECIFIED AREAS THAT HAVE FAILED TO SURVIVE, AS OFTEN AS REQUIRED, TO ESTABLISH THE SEEDED/SODDED LAWN AREA UNTIL ACCEPTED; AT NO ADDITIONAL COMPENSATION.

GENERAL NOTES – WETLANDS

- A. SEE SPECIFCATIONS FOR 3-YEAR MANAGEMENT, MONITORING AND REPORTING OF NATIVE PLANTINGS.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	PLANTING SIZE
DECIDUOUS TREES				
	AM	10	CELTIS OCCIDENTALIS COMMON HACKBERRY	2" CAL.
	AO	7	PLATANUS OCCIDENTALIS AMERICAN SYCAMORE	2" CAL.
	PW	6	QUERCUS MACROCARPA BUR OAK	2" CAL.
	QB	4	QUERCUS BICOLOR SWAMP WHITE OAK	2" CAL.
EVERGREEN TREES				
	LL	19	LARIX LARICINA TAMARACK	6" HT.
	PS	41	PINUS STROBUS WHITE PINE	6" HT.
DECIDUOUS SHRUBS				
	AL	4	AMORPHA CANESCENS LEADPLANT	5 GAL.
	VL	3	VIBURNUM LENTAGO NANNYBERRY	5 GAL.
EVERGREEN SHRUBS				
	JH	4	JUNIPERUS HORIZONTALIS CREEPING JUNIPER	5 GAL.
	TG	25	THUJA OCCIDENTALIS 'GOLDEN GLOBE' GOLDEN GLOBE ARBORVITAE	5 GAL.
PERENNIALS				
	FQ	8	FILIPENDULA RUBRA QUEEN OF THE PRAIRIE	1 GAL.

GROUND COVERS	
	IDOT CLASS 1B (LOW MAINTENANCE LAWN MIXTURE)
	MESIC SHORT PRAIRIE SEED MIXTURE
	SHREDDED MULCH
	WET-MESIC PRAIRIE SEED MIXTURE
	WET-PRAIRIE SEED MIXTURE
	EMERGENT PLUGS

MESIC SHORT PRAIRIE SEED MIXTURE

Scientific name	Common Name	Oz./Acre	lbs./Acre
Grasses & Sedges:			
<i>Bouteloua curtipendula</i>	Side oats grama	43.6	
<i>Carex bicknellii</i>	Copper-shouldered sedge	5.5	
<i>Panicum virgatum</i>	Switch grass	14.5	
<i>Schizachyrium scoparium</i>	Little bluestem	112.0	
Total Grasses & Sedges		175.6	11.0
Forbs:			
<i>Amorpha canescens</i>	Lead plant	7.5	
<i>Asclepias tuberosa</i>	Butterfly weed	3.3	
<i>Baptisia leucantha</i>	White wild indigo	8.2	
<i>Coreopsis palmata</i>	Stiff coreopsis	4.4	
<i>Echinacea pallida</i>	Pale purple coneflower	15.7	
<i>Echinacea purpurea</i>	Purple coneflower	11.9	
<i>Eryngium yuccifolium</i>	Rattlesnake master	6.5	
<i>Helopsis helianthoides</i>	False sunflower	4.0	
<i>Liatris pycnostachya</i>	Prairie blazing star	4.8	
<i>Monarda fistulosa</i>	Wild bergamot	0.3	
<i>Penstemon digitalis</i>	Foxglove beard tongue	0.6	
<i>Petalostemum purpurea</i>	Purple prairie clover	3.9	
<i>Rudbeckia hirta</i>	Black-eyed Susan	1.0	
<i>Ratibida pinnata</i>	Yellow coneflower	2.1	
<i>Rudbeckia subtomentosa</i>	Sweet black-eyed Susan	1.7	
<i>Symphotrichum novae-angliae</i>	New England aster	0.7	
<i>Tradescantia ohiensis</i>	Spiderwort	6.6	
<i>Zizia aurea</i>	Golden Alexanders	4.4	
Total Forbs		87.4	5.5
Total All Species		263.0	16.4
Temporary Cover Crop:			
<i>Elymus canadensis</i>	Canada wild rye	8.0	0.5
<i>Avena sativa</i>	Common oats	320.0	20.0

WET-MESIC PRAIRIE SEED MIXTURE

Scientific name	Common Name	Oz./Acre	lbs./Acre
Grasses & Sedges:			
<i>Bouteloua curtipendula</i>	Side oats grama	34.8	
<i>Carex vulpinoidea</i>	Fox Sedge	2.8	
<i>Panicum virgatum</i>	Switch grass	18.9	
<i>Schizachyrium scoparium</i>	Little bluestem	80.0	
<i>Spartina pectinata</i>	Prairie Cord Grass	16.5	
Total Grasses & Sedges		153.0	9.6
Forbs:			
<i>Asclepias incarnata</i>	Swamp milkweed	17.3	
<i>Echinacea purpurea</i>	Purple coneflower	11.9	
<i>Eryngium yuccifolium</i>	Rattlesnake master	9.8	
<i>Helenium autumnale</i>	Sneezeweed	0.6	
<i>Liatris spicata</i>	Marsh blazing star	9.5	
<i>Lobelia cardinalis</i>	Cardinal flower	0.5	
<i>Lobelia siphilitica</i>	Great blue lobelia	0.5	
<i>Monarda fistulosa</i>	Wild bergamot	0.3	
<i>Penstemon digitalis</i>	Foxglove beard tongue	0.7	
<i>Physostegia virginiana</i>	Obedient plant	3.1	
<i>Pycnanthemum virginianum</i>	Mountain mint	0.2	
<i>Oligoneuron riddellii</i>	Riddell's goldenrod	1.1	
<i>Ratibida pinnata</i>	Yellow coneflower	2.1	
<i>Rudbeckia hirta</i>	Black eyed Susan	0.7	
<i>Rudbeckia subtomentosa</i>	Sweet black-eyed Susan	1.7	
<i>Symphotrichum novae-angliae</i>	New England aster	1.4	
<i>Zizia aurea</i>	Golden Alexanders	4.4	
Total Forbs		65.7	4.1
Total All Species		218.8	13.7
Temporary Cover Crop:			
<i>Elymus canadensis</i>	Canada wild rye	8.0	0.5
<i>Elymus virginicus</i>	Virginia wild rye	32.0	2.0
<i>Avena sativa</i>	Common oats	320.0	20.0

WET-PRAIRIE SEED MIXTURE

Scientific name	Common Name	Oz./Acre	lbs./Acre
Grasses, Sedges & Rushes:			
<i>Carex comosa</i>	Bristly sedge	2.8	
<i>Carex vulpinoidea</i>	Fox Sedge	2.8	
<i>Juncus effusus</i>	Common Rush	0.2	
<i>Leersia oryzoides</i>	Rice cut grass	1.4	
<i>Panicum virgatum</i>	Switch grass	17.4	
<i>Spartina pectinata</i>	Prairie Cord Grass	19.9	
Total Grasses, Sedges & Rushes		44.4	2.8
Forbs:			
<i>Alisma subcordatum</i>	Water plantain	1.1	
<i>Asclepias incarnata</i>	Swamp milkweed	17.3	
<i>Eupatorium perfoliatum</i>	Common boneset	0.6	
<i>Eutrochium maculatus</i>	Spotted Joe-Pye weed	0.5	
<i>Helenium autumnale</i>	Sneezeweed	0.6	
<i>Liatris spicata</i>	Marsh blazing star	7.1	
<i>Lobelia cardinalis</i>	Cardinal flower	0.5	
<i>Mimulus ringins</i>	Monkey flower	0.2	
<i>Physostegia virginiana</i>	Obedient plant	3.1	
<i>Pycnanthemum virginianum</i>	Common mountain mint	0.2	
<i>Oligoneuron riddellii</i>	Riddell's goldenrod	0.8	
<i>Rudbeckia hirta</i>	Black eyed Susan	0.7	
<i>Rudbeckia subtomentosa</i>	Sweet black-eyed Susan	1.7	
<i>Symphotrichum novae-angliae</i>	New England aster	1.4	
<i>Veronia fasciculata</i>	Common ironweed	2.0	
Total Forbs		37.8	2.4
Total All Species		82.2	5.1
Temporary Cover Crop:			
<i>Elymus virginicus</i>	Virginia wild rye	32.0	2.0
<i>Avena sativa</i>	Common oats	320.0	20.0

EMERGENT PLUGS

Scientific name	Common Name	Spacing	# of Plugs
<i>Pontederia cordata</i>	Pickereleweed	3.5' O.C.	475
Total Plugs			475

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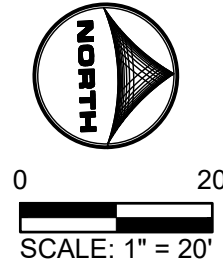
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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

LANDSCAPE
LANDSCAPE NOTES

SHEET NO.
L100



	DETAIL/ SHEET
1.0	SITE FURNITURE
	1.1 BALANCE CHALLENGE 1/L504
	1.2 BENCH 3/L504
	1.3 TRASH RECEPTACLE 4/L504
	1.4 DOG WASTE STATION 5/L504
	1.5 FISHING LINE RECYCLING BIN 2/L504
2.0	POND DETAILS
	2.1 NATURAL LIMESTONE OUTCROPPINGS (12"-48") 1/L502
	2.2 POND SECTION 2/L502
3.0	MISC. SITE FEATURES
	3.1 ELEVATED WALKWAY 1/L503
	3.2 DECORATIVE BOULDER IN TERRAIN 3/L503
	3.3 CRUSHED GRAVEL TRAIL 4/L503
	3.4 LABYRINTH PATH 6/L503
	3.5 HOT-MIX ASPHALT TRAIL 5/L503
	3.6 SOLAR POWER PANEL ASSEMBLY 2/L503
	3.7 SOLAR POWER POND AERATOR 7/L503
4.0	GAZEBO DETAILS
	4.1 GAZEBO AND ELEMENTS DETAILS L105
	4.2 CONCRETE PAD L105
5.0	LANDSCAPE DETAILS
	PLANTING & LANDSCAPE DETAILS L501

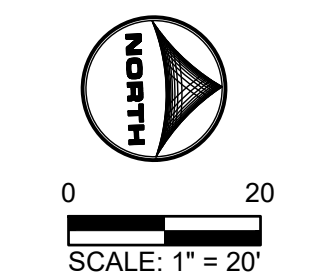
SYMBOL	BOTANICAL / COMMON NAME
GROUND COVERS	
	IDOT CLASS 1B (LOW MAINTENANCE LAWN MIXTURE)
	MESIC SHORT PRAIRIE SEED MIXTURE
	SHREDDED MULCH
	WET-MESIC PRAIRIE SEED MIXTURE
	WET-PRAIRIE SEED MIXTURE
	EMERGENT PLUGS

SYMBOL	CODE	BOTANICAL / COMMON NAME	PLANTING SIZE
DECIDUOUS TREES			
	AM	CELTIS OCCIDENTALIS COMMON HACKBERRY	2" CAL.
	AO	PLATANUS OCCIDENTALIS AMERICAN SYCAMORE	2" CAL.
	PW	QUERCUS MACROCARPA BUR OAK	2" CAL.
	QB	QUERCUS BICOLOR SWAMP WHITE OAK	2" CAL.
EVERGREEN TREES			
	LL	LARIX LARICINA TAMARACK	6" HT.
	PS	PINUS STROBUS WHITE PINE	6" HT.
DECIDUOUS SHRUBS			
	AL	AMORPHA CANESCENS LEADPLANT	5 GAL.
	VL	VIBURNUM LENTAGO NANNYBERRY	5 GAL.
EVERGREEN SHRUBS			
	JH	JUNIPERUS HORIZONTALIS CREEPING JUNIPER	5 GAL.
	TG	THUJA OCCIDENTALIS 'GOLDEN GLOBE' GOLDEN GLOBE ARBORVITAE	5 GAL.
PERENNIALS			
	FQ	FILIPENDULA RUBRA QUEEN OF THE PRAIRIE	1 GAL.

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SHEET NO.

101



		DETAIL/ SHEET
1.0	SITE FURNITURE	
	1.1 BALANCE CHALLENGE	1/L504
	1.2 BENCH	3/L504
	1.3 TRASH RECEPTACLE	4/L504
	1.4 DOG WASTE STATION	5/L504
	1.5 FISHING LINE RECYCLING BIN	2/L504
2.0	POND DETAILS	
	2.1 NATURAL LIMESTONE OUTCROPPINGS (12"-48")	1/L502
	2.2 POND SECTION	2/L502
3.0	MISC. SITE FEATURES	
	3.1 ELEVATED WALKWAY	1/L503
	3.2 DECORATIVE BOULDER IN TERRAIN	3/L503
	3.3 CRUSHED GRAVEL TRAIL	4/L503
	3.4 LABYRINTH PATH	6/L503
	3.5 HOT-MIX ASPHALT TRAIL	5/L503
	3.6 SOLAR POWER PANEL ASSEMBLY	2/L503
	3.7 SOLAR POWER POND AERATOR	7/L503
4.0	GAZEBO DETAILS	
	4.1 GAZEBO AND ELEMENTS DETAILS	L 105
	4.2 CONCRETE PAD	L 105
5.0	LANDSCAPE DETAILS	
	PLANTING & LANDSCAPE DETAILS	L501

SYMBOL	BOTANICAL / COMMON NAME
GROUND COVERS	
	IDOT CLASS 1B (LOW MAINTENANCE LAWN MIXTURE)
	MESIC SHORT PRAIRIE SEED MIXTURE
	SHREDDED MULCH
	WET-MESIC PRAIRIE SEED MIXTURE
	WET-PRAIRIE SEED MIXTURE
	EMERGENT PLUGS

SYMBOL	CODE	BOTANICAL / COMMON NAME	PLANTING SIZE
DECIDUOUS TREES			
	AM	CELTIS OCCIDENTALIS COMMON HACKBERRY	2" CAL.
	AO	PLATANUS OCCIDENTALIS AMERICAN SYCAMORE	2" CAL.
	PW	QUERCUS MACROCARPA BUR OAK	2" CAL.
	QB	QUERCUS BICOLOR SWAMP WHITE OAK	2" CAL.
EVERGREEN TREES			
	LL	LARIX LARICINA TAMARACK	6" HT.
	PS	PINUS STROBUS WHITE PINE	6" HT.
DECIDUOUS SHRUBS			
	AL	AMORPHA CANESCENS LEADPLANT	5 GAL.
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PERENNIALS			
	FQ	FILIPENDULA RUBRA QUEEN OF THE PRAIRIE	1 GAL.

NOTE:
ALL SEEDED AREAS TO RECEIVE NAG S75-BN
EROSION CONTROL BLANKET.

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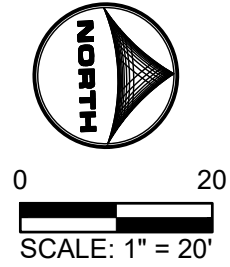


TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

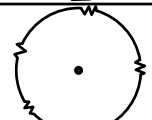
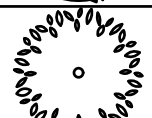
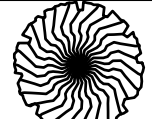
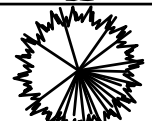
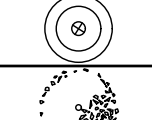
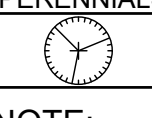
LANDSCAPE

LANDSCAPE IMPROVEMENT PLAN

SHEET NO.
L103



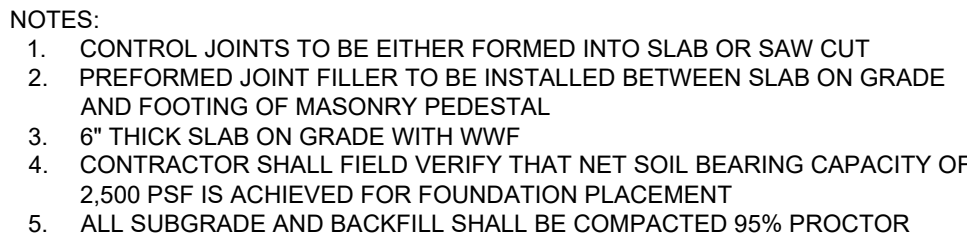
	DETAIL/ SHEET
1.0	SITE FURNITURE
	1.1 BALANCE CHALLENGE 1/L504
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	4.1 GAZEBO AND ELEMENTS DETAILS L105
	4.2 CONCRETE PAD L105
5.0	LANDSCAPE DETAILS
	PLANTING & LANDSCAPE DETAILS L501

PLANT SCHEDULE			PLANTING SIZE
SYMBOL	CODE	BOTANICAL / COMMON NAME	
DECIDUOUS TREES			
	AM	CELTIS OCCIDENTALIS COMMON HACKBERRY	2" CAL.
	AO	PLATANUS OCCIDENTALIS AMERICAN SYCAMORE	2" CAL.
	PW	QUERCUS MACROCARPA BUR OAK	2" CAL.
	QB	QUERCUS BICOLOR SWAMP WHITE OAK	2" CAL.
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	LL	LARIX LARICINA TAMARACK	6" HT.
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EVERGREEN SHRUBS			
	JH	JUNIPERUS HORIZONTALIS CREEPING JUNIPER	5 GAL.
	TG	THUJA OCCIDENTALIS 'GOLDEN GLOBE' GOLDEN GLOBE ARBORVITAE	5 GAL.
PERENNIALS			
	FQ	FILIPENDULA RUBRA QUEEN OF THE PRAIRIE	1 GAL.

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104



The diagram illustrates a cross-section of a pond wall and floor assembly. The components are labeled as follows:

- BROOM FINISH CONCRETE SURFACE
- 4" PVC WATER STOP
- CENTER BULB AT CENTER OF SLAB
- BACKER ROD SEALANT
- 1/2" DIA. x 30" SMOOTH DOWELS @ 24" O.C. ONE SIDE LUBRICATED
- 4" MIN. EXCAVATED SUBGRADE FROM POND
- 1" EXPANSION JOINT MATERIAL

A cross-sectional diagram of a pond wall and floor. The top layer is a concrete wall with a stippled texture, labeled "BROOM FINISH CONCRETE SURFACE" with an arrow pointing to its top surface. A vertical crack in the wall is labeled "SAWCUT, OR PREMOLED INSERT AND SEAL, EQUAL TO 'T'/4" with an arrow pointing to the crack. Below the wall is a horizontal layer, also with a stippled texture, labeled "4" MIN. EXCAVATED SUBGRADE FROM POND" with an arrow pointing to it. The bottom of the diagram shows a solid horizontal line representing the base of the excavation.

Pavilion Top View Detail

24'

16'

5 1/2" X 19 1/2" GLULAM (TYP.)

24" X 24" MASONRY COLUMN (TYP.)

32" X 32" CAPSTONE (TYP.)

6" X 6" WOOD POST (TYP.)

CONCRETE PAD (SEE JOINTING DETAIL)

ROOFLINE

5'-6"

6" X 13 1/2" GLULAM (TYP.)

2'-8"

5 1/2" X 19 1/2" GLULAM (TYP.)

2'

DESCRIPTION	AREA/QUANTITY	SPECIES/SPEC
24" X 24" MASONRY COLUMN	4	CLAY TILE
32" X 32" CAPSTONE	4	CLAY TILE
5 1/2" X 19 1/2" GLULAM	4	GLULAM
6" X 13 1/2" GLULAM	8	GLULAM
6" X 6" WOOD POST	4	WOOD
CONCRETE PAD	4	CONCRETE

DESCRIPTION	AREA/QUANTITY	SPECIES/SPEC
AREA OF ROOFING	411	-----
GLULAM BEAM	2	24F-1.8E
GLULAM RAFTER	5	12F-V1 1.2E
PRETREATED POST 6"x6"	4	CEDAR OR APPROVED ALTERNATIVE

1. SOUTHERN PINE SHALL NOT BE USED FOR ANY GLULAM RAFTERS OR BEAMS
2. ALL GLULAM AND POSTS SHALL MEET ARCHITECTURAL APPEARANCE REQUIREMENTS FOR FINISH APPEARANCE.
3. FINAL STAIN/COLOR FOR EXPOSED WOOD SURFACES SHALL BE PER OWNER'S DIRECTION.
4. GLULAMS SHALL BE RATED FOR EXTERIOR USE.

6" P.C.C. SIDEWALK WITH BROOM FINISH

4" MIN. EXCAVATED SUBGRADE FROM POND

TYPICAL ALL EXTERIOR CONCRETE:

- 4000# CONCRETE
- SEE JOINTING PLAN FOR PAVILION

GEO-FABRIC

COMPACTED SUBGRADE

AT POST, INSTALL SIMPSON
BASE (CB66PC) ANCHORED
TO TOP OF GROUTED CORE

HORIZ. JOINT REINFORCEMENT
EVERY OTHER JOINT

2'X2' MASONRY PEDESTAL, GROUTED SOLID
(ALL CELLS AND CORE)
WITH #4 BARS AT CORNER CELLS

6" X 6" TREATED POST

SIMPSON POST BASE (CB66PC)

STONE PIER CAP
32" X 32" SQUARE

INSTALL FLASHING
EA. SIDE

CAULK BETWEEN
CAP AND FLASHING

#4 BAR (TYP.)

WELD 3/4"X6" STUD TO BOTTOM OF POST BASE

MASONRY PEDESTAL

PAVILION COLUMN

#4 BAR WITH 90° HOOK EA. END

PREFORMED JOINT FILLER

6" CONCRETE SLAB WITH
WWF

4" MIN. EXCAVATED SUBGRADE
FROM POND

2'-8"

INSTALL WEEPS
EA. SIDE

(2) #4 TIES IN
TOP 6" OF FOOTING

CONCRETE FOOTING

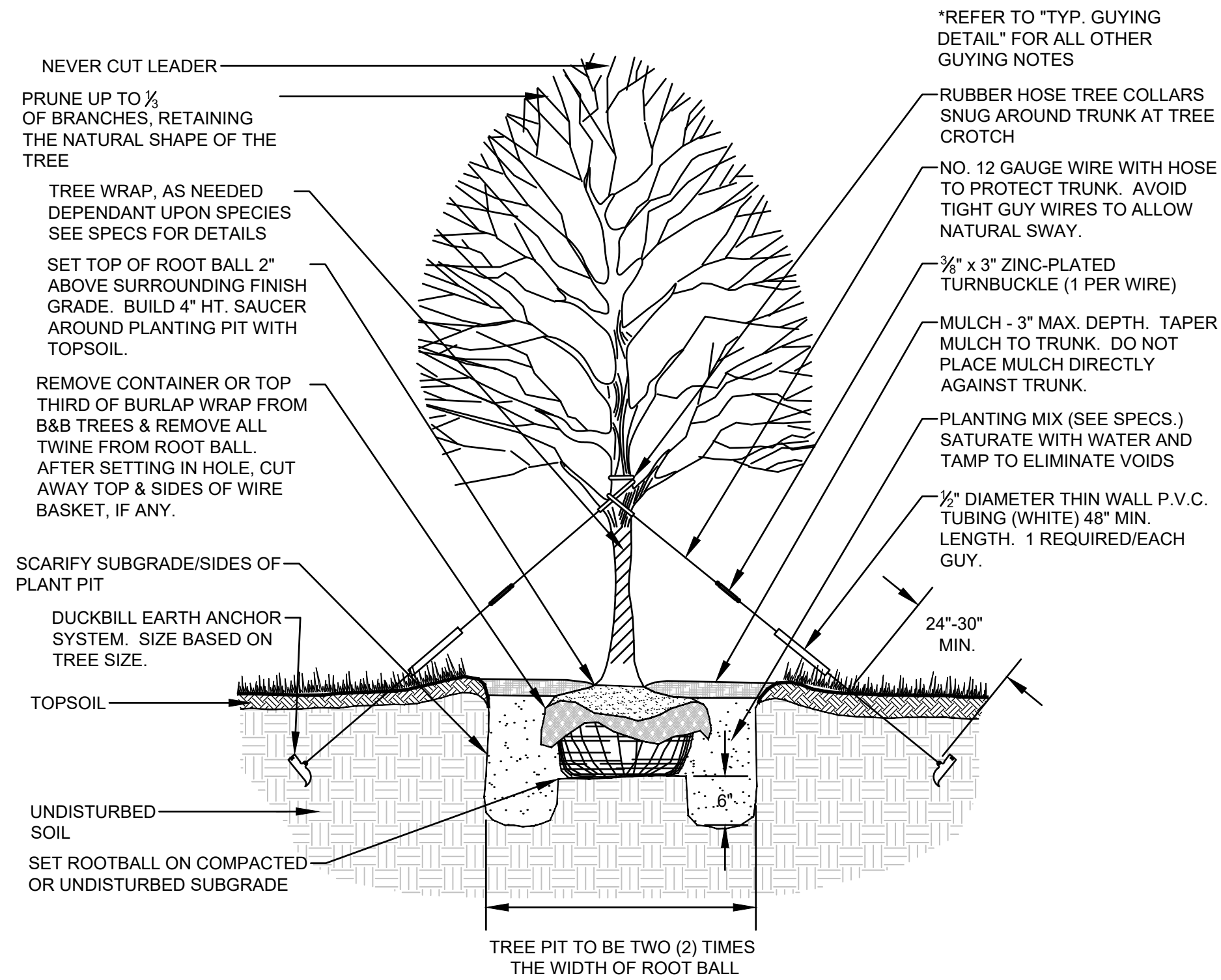
#4 VERT. EXTEND INTO
MASONRY (4 LOCATIONS)

#4 TIE

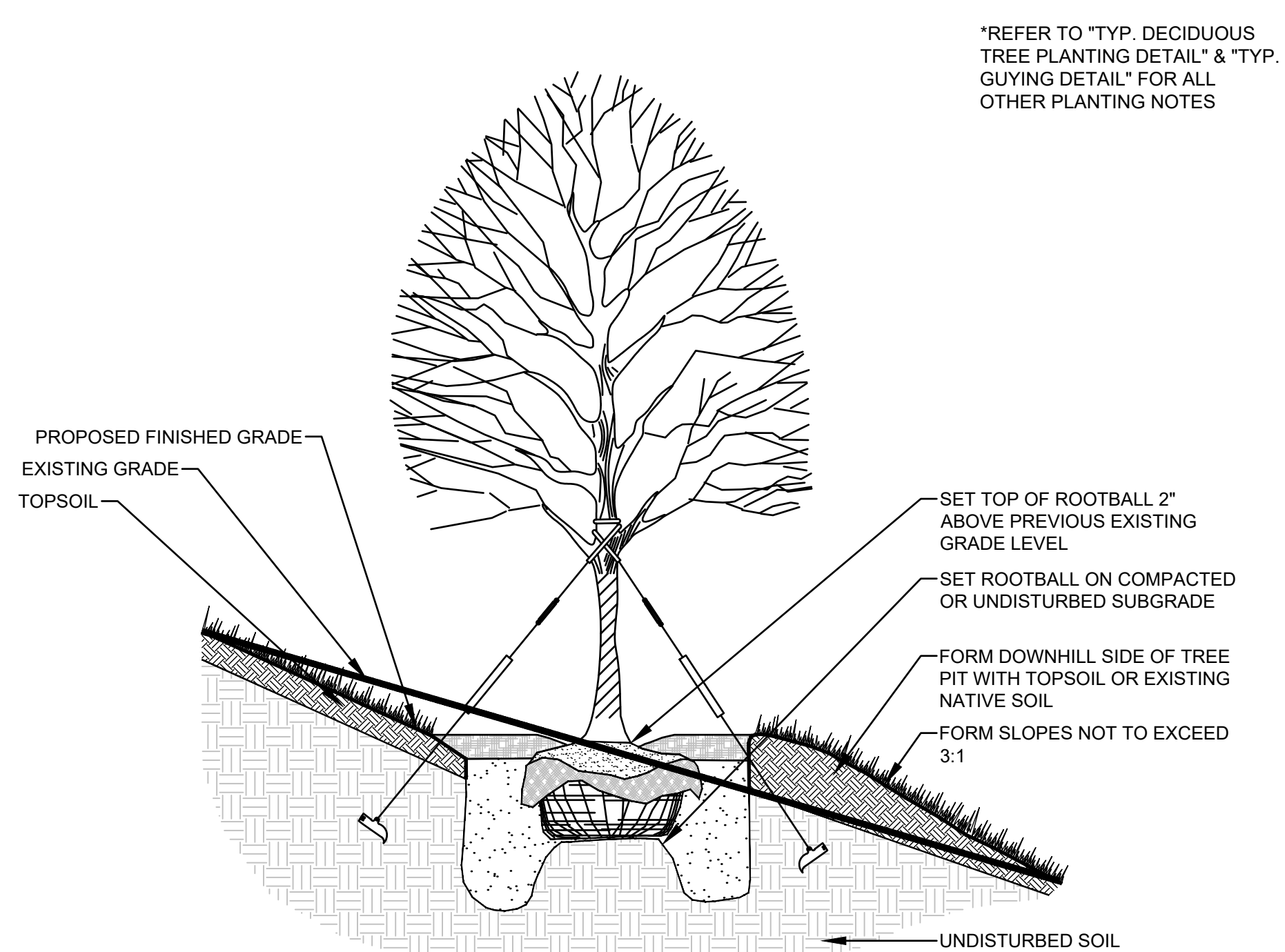
4"

2'

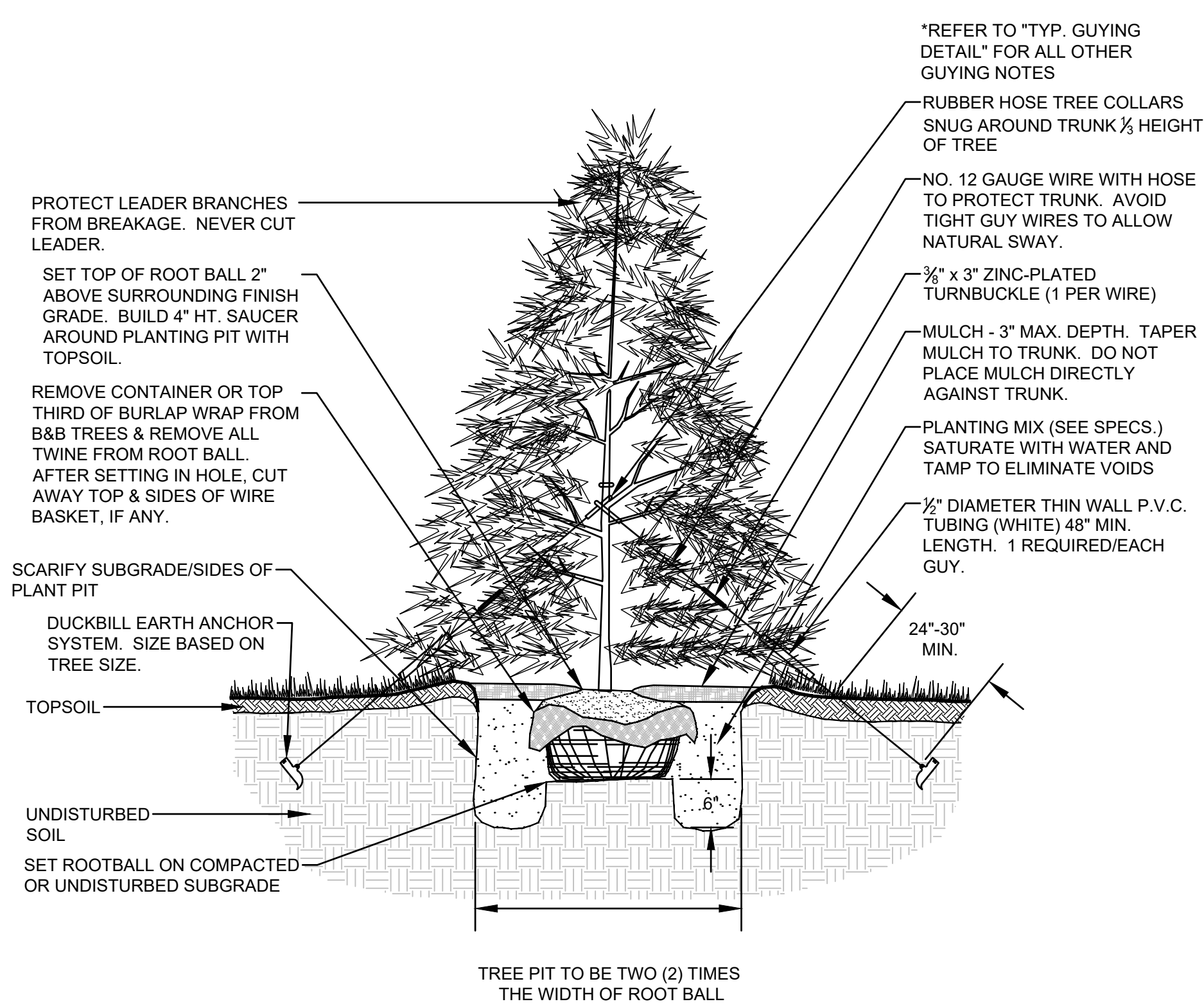
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1 DECIDUOUS TREE PLANTING DETAIL
SCALE: NTS

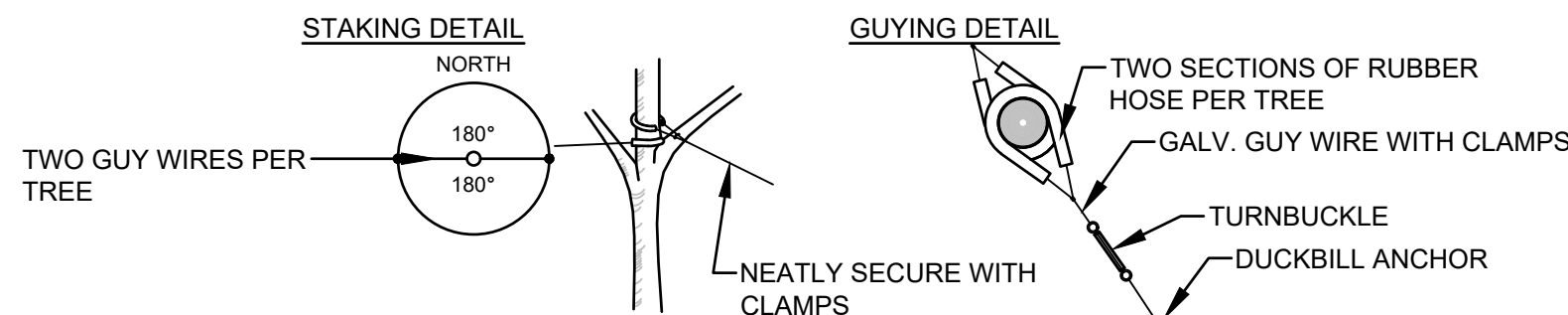


2 DECIDUOUS TREE PLANTING DETAIL (SLOPE CONDITION)
SCALE: NTS



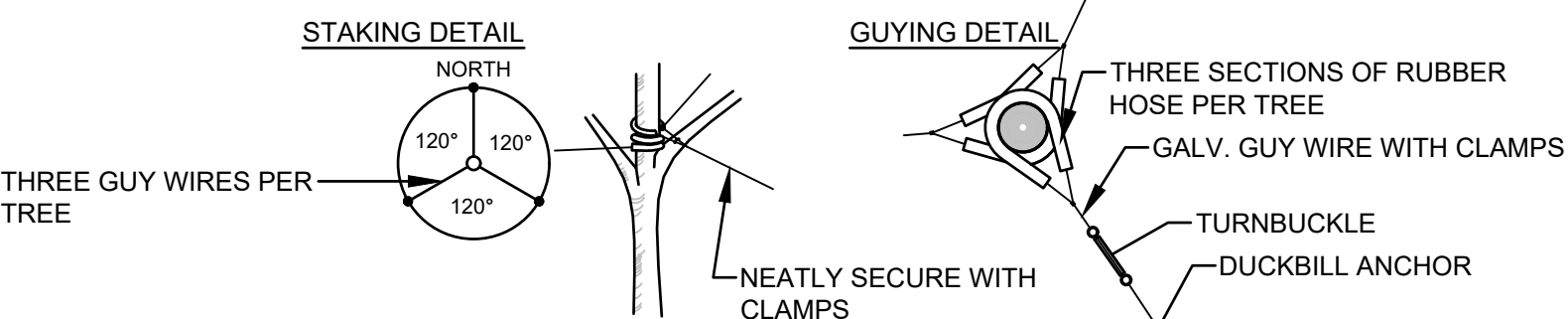
3 EVERGREEN TREE PLANTING DETAIL
SCALE: NTS

- GUYING STANDARDS**
- TWO (2) MODEL 68 DUCKBILL ANCHORS (HOLDING CAPACITY 1100# PER ANCHOR IN NORMAL SOIL.
 - 13' OF 1/8" 7x7 GALVANIZED STEEL CABLE WITH TURNBUCKLE ATTACHED MID-CABLE.
 - 1/2" DIAMETER THIN WALL P.V.C. TUBING (WHITE) 48" MINIMUM LENGTH. ONE (1) REQUIRED/EACH GUY.
 - TWO (2) TURNBUCKLES, EYE AND EYE TYPE, 3/8" THREAD DIAMETER WITH 3" TAKE-UP
 - FOUR (4) 1/8" CABLE CLAMPS, ZINC PLATED (OR 2" STEEL DRIVE ROD 2' LONG WITH 1/4" ROUND DRIVING TIP NEEDED TO INSTALL ANCHORS. ONE ROD, NOT INCLUDED IN KIT, DRIVES HUNDREDS OF ANCHORS)
 - TWO (2) RUBBER HOSE TREE COLLARS, 21" LONG, EA.



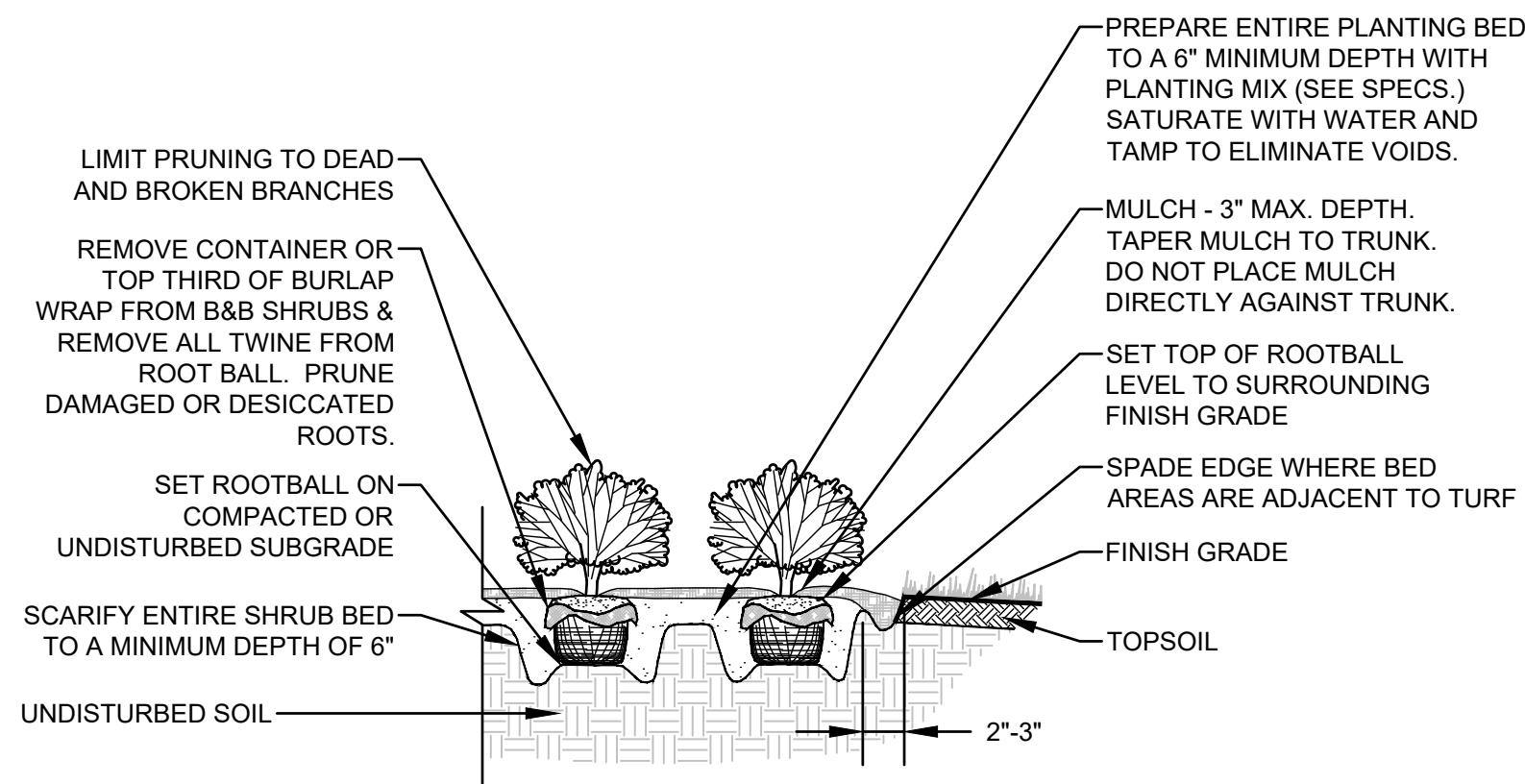
*APPLIES TO SINGLE TRUNK DECIDUOUS TREES 3" CAL. AND LESS & EVERGREEN TREES 8' HT. AND LESS

- GUYING STANDARDS**
- THREE (3) MODEL 68 DUCKBILL ANCHORS (HOLDING CAPACITY 1100# PER ANCHOR IN NORMAL SOIL.
 - 13' OF 1/8" 7x7 GALVANIZED STEEL CABLE WITH TURNBUCKLE ATTACHED MID-CABLE.
 - 1/2" DIAMETER THIN WALL P.V.C. TUBING (WHITE) 48" MINIMUM LENGTH. ONE (1) REQUIRED/EACH GUY.
 - THREE (3) TURNBUCKLES, EYE AND EYE TYPE, 3/8" THREAD DIAMETER WITH 3" TAKE-UP
 - SIX (6) 1/8" CABLE CLAMPS, ZINC PLATED (OR 2" STEEL DRIVE ROD 2' LONG WITH 1/4" ROUND DRIVING TIP NEEDED TO INSTALL ANCHORS. ONE ROD, NOT INCLUDED IN KIT, DRIVES HUNDREDS OF ANCHORS)
 - THREE (3) RUBBER HOSE TREE COLLARS, 21" LONG, EA.



*APPLIES TO SINGLE TRUNK DECIDUOUS TREES GREATER THAN 3" CAL. & EVERGREEN TREES GREATER THAN 8' HT.

4 GUYING DETAIL
SCALE: NTS



5 SHRUB PLANTING DETAIL
SCALE: NTS

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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

LANDSCAPE
LANDSCAPE DETAILS

SHEET NO.
L501



**NOTE: ROCK OUTCROPPINGS ARE NOT TO PROTRUDE OUT INTO THE WATER
(SEE FISHING OUTCROPPING DETAIL FOR ADDITIONAL INFORMATION)**

SCALE: NTS



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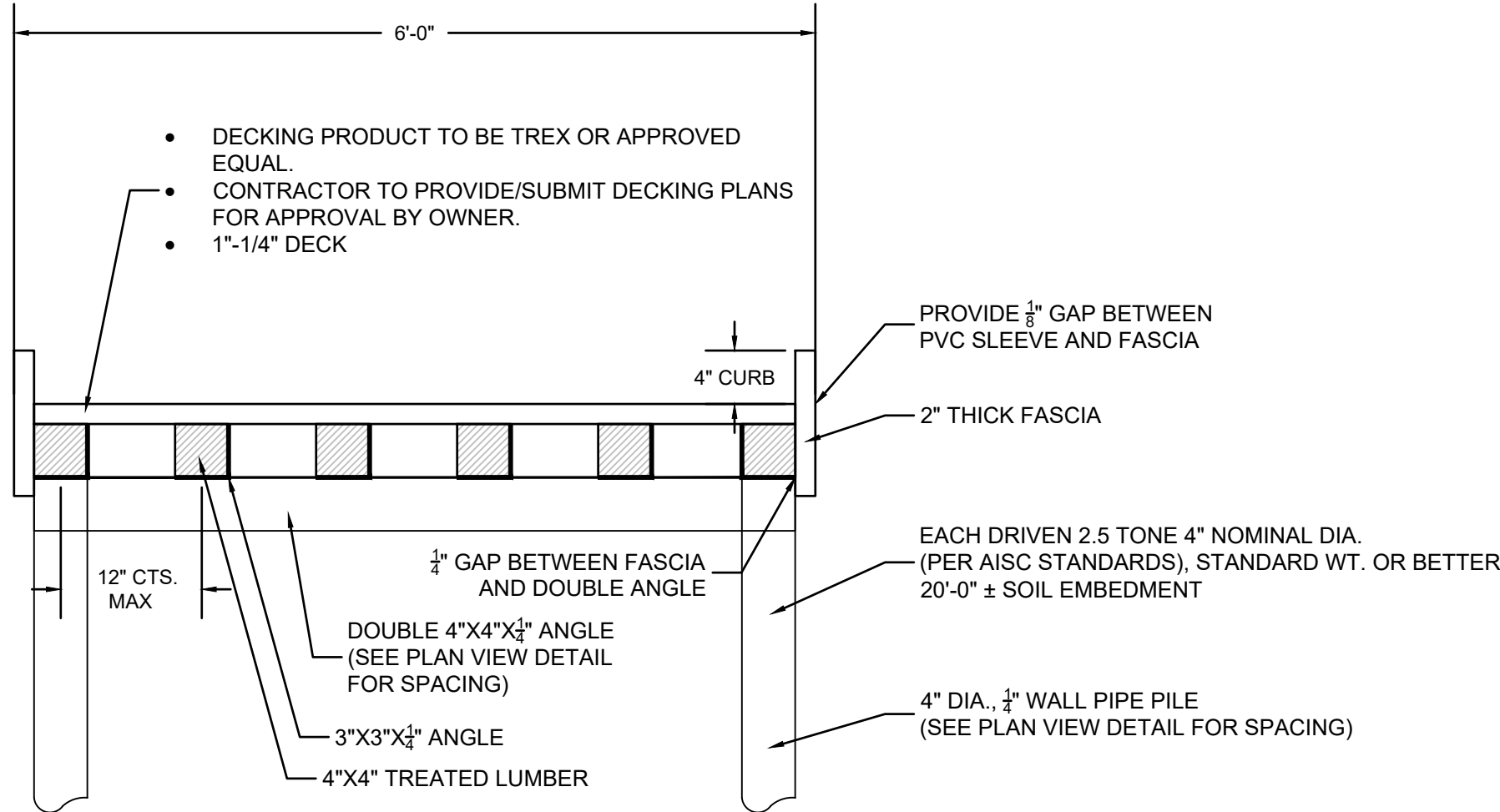
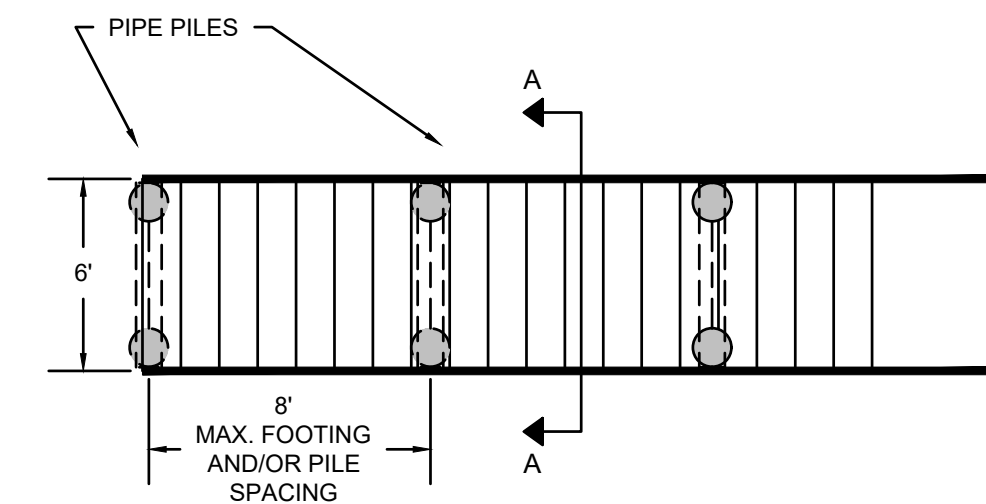
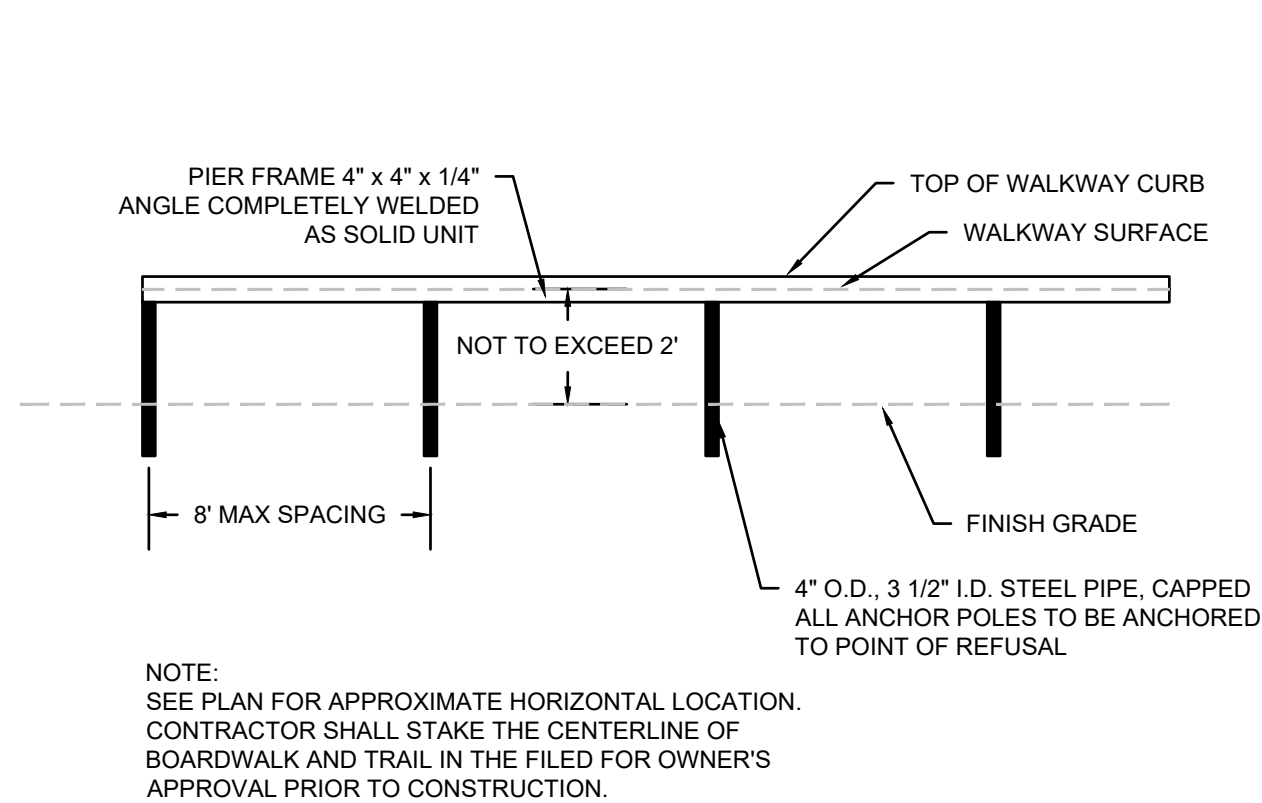


TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

LANDSCAPE

LANDSCAPE DETAILS

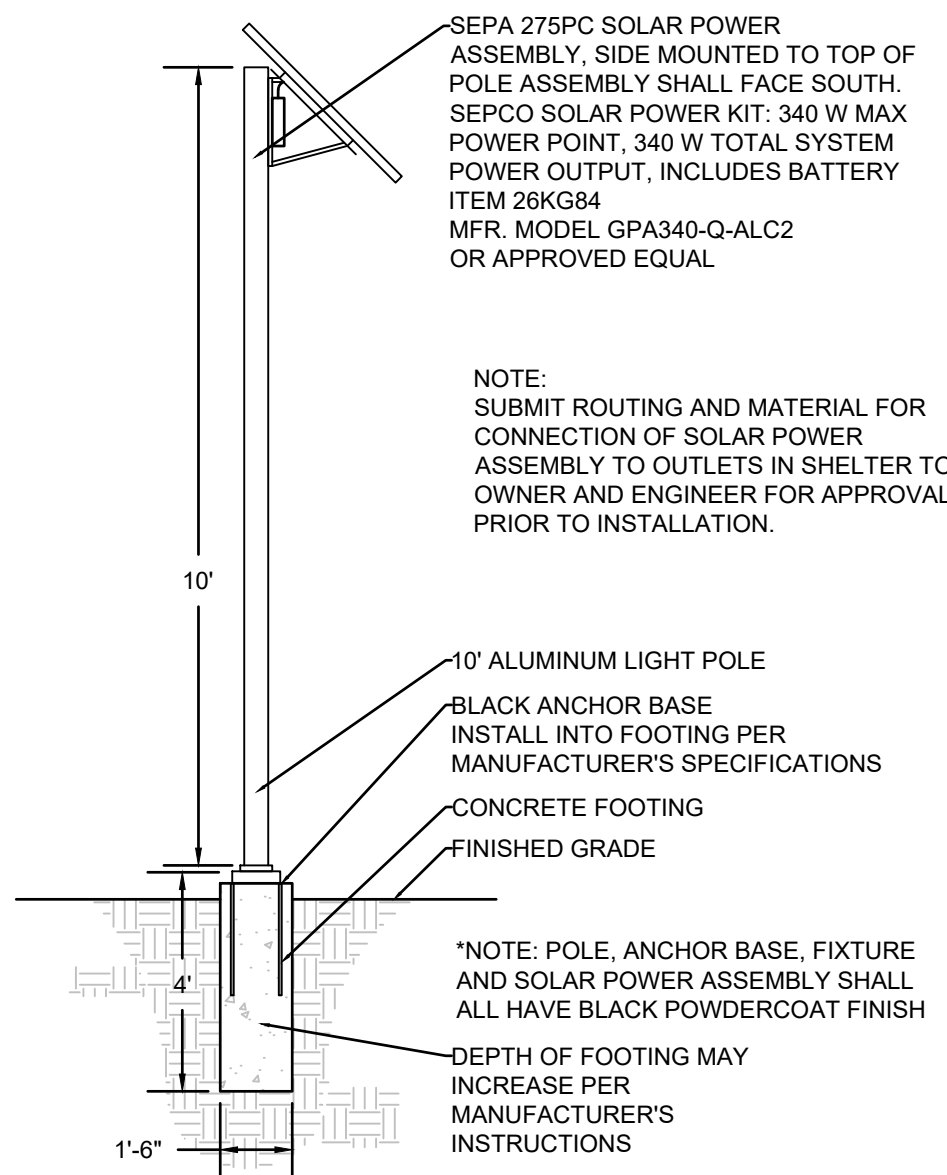
L502



- NOTES:
1. CONTRACTOR HAS THE OPTION TO SUBMIT ALTERNATE FRAMING DETAILS FOR REVIEW AND APPROVAL.
 2. ALL WOOD FRAMING MEMBERS SHALL BE TREX OR APPROVED EQUAL.
 3. FRAMING AND PILES SHALL BE CAPABLE OF SUPPORTING COMBINED DEAD AND LIVE LOAD OF 120 PSF.
 4. MAXIMUM 8' SPACING, FOR PILES.
 5. ALL STEEL SHALL BE GALVANIZED (EXCLUDING PILES).
 6. ALL SEAMS/JOINTS IN FASCIA SHALL BE CENTERED BEHIND PIPE PILES AT CENTER OF PIPE.
 7. WALKWAY DECKING COLOR TO BE DARK BROWN. ALTERNATIVE COLORS TO BE APPROVED BY OWNER.

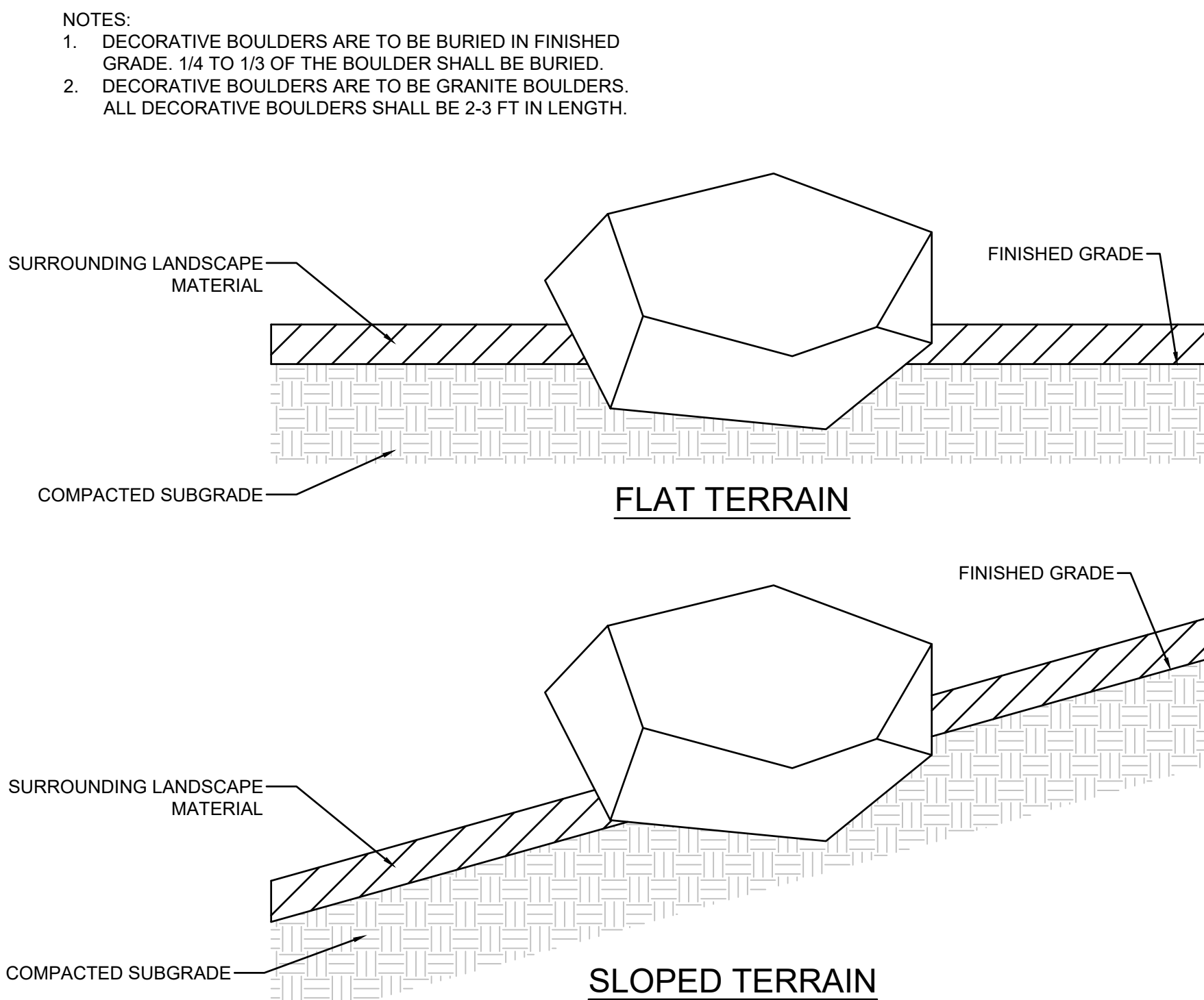
1 ELEVATED WALKWAY

SCALE: NTS



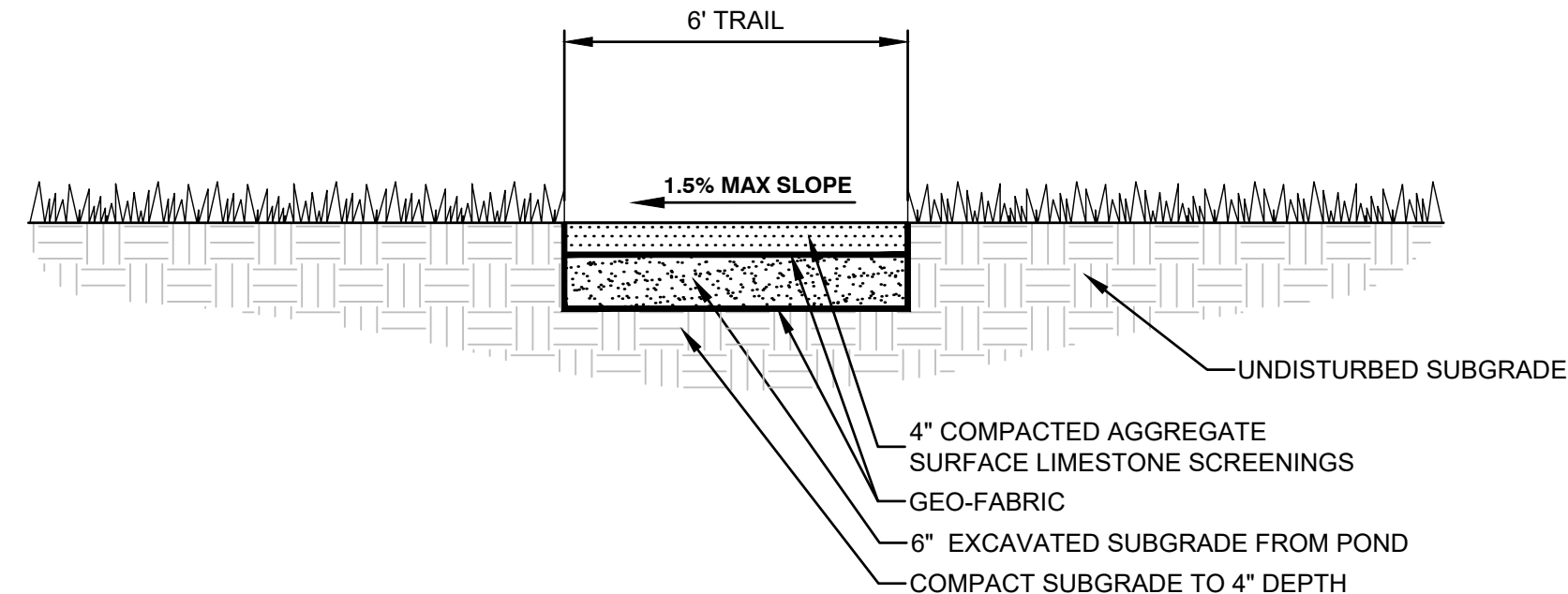
2 SOLAR POWER PANEL ASSEMBLY

SCALE: NTS



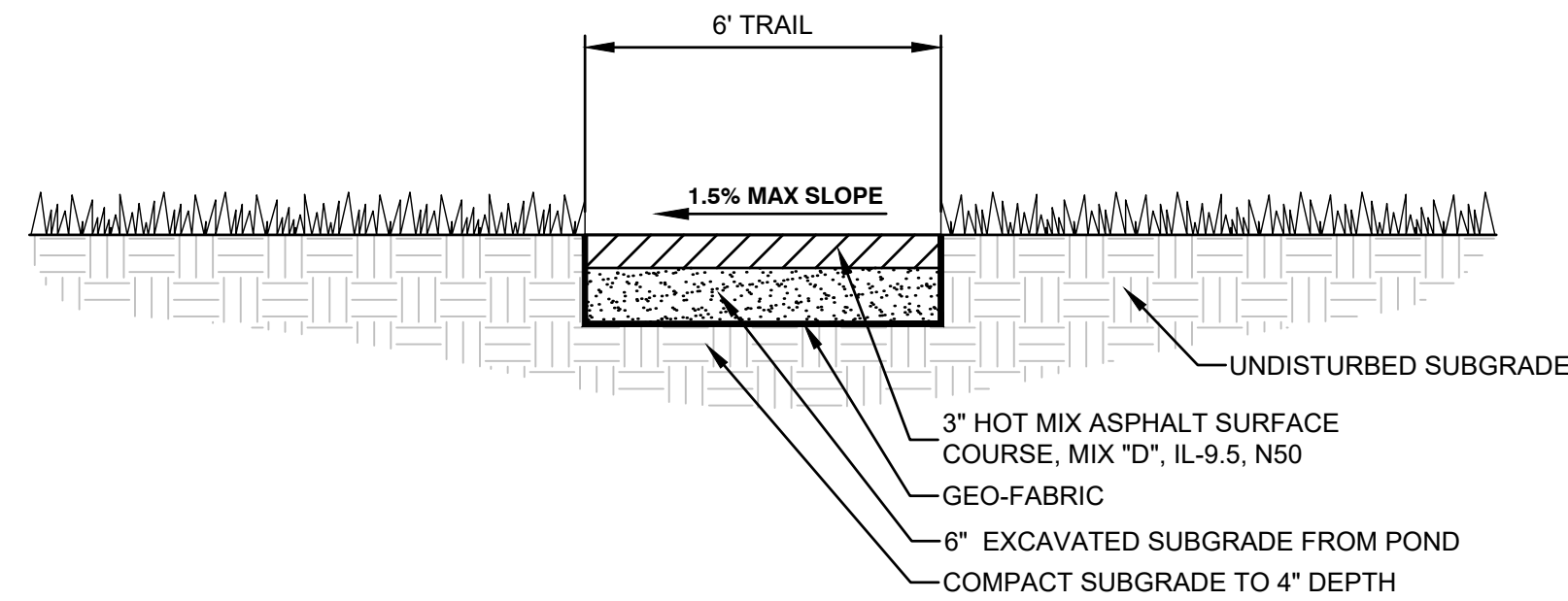
3 DECORATIVE BOULDER

SCALE: NTS



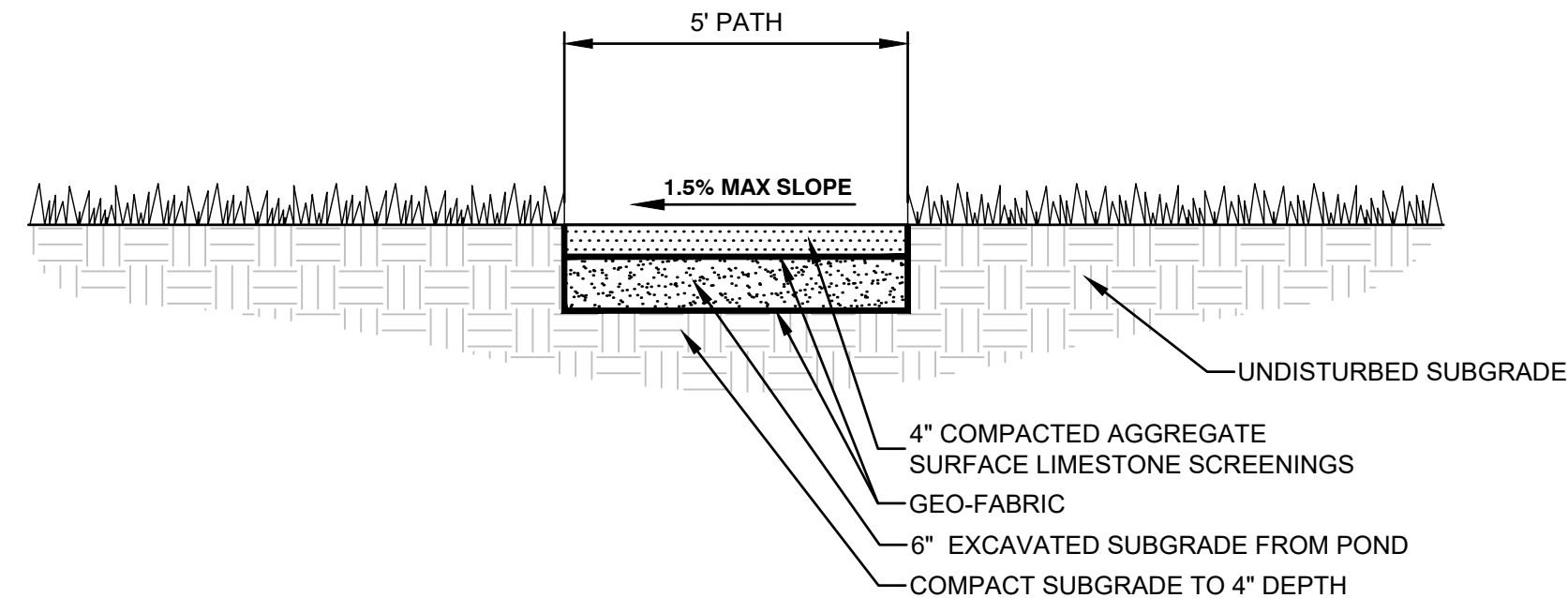
4 CRUSHED GRAVEL TRAIL - MAIN PATH

SCALE: NTS



5 HOT-MIX ASPHALT (HMA) TRAIL

SCALE: NTS



6 CRUSHED GRAVEL TRAIL - LABYRINTH PATH

SCALE: NTS

PRODUCT:
AIR 200 KIT (OR APPROVED EQUAL)
MANUFACTURER:
RPS AIR-ATION KITS - SOLAR POND AERATION SYSTEM WITH BRUSHLESS SOLAR AIR COMPRESSOR
WEBSITE: <https://shop.rpsolarpumps.com/products/rps-air-ation-kits?variant=45952601456795>
INSTALL PER MANUFACTURER'S SPECIFICATIONS

7 SOLAR POWER POND AERATOR

SCALE: NTS

ISSUE FOR BID
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DRAWN BY: CFR JOB DATE: 2026
APPROVED: AHP JOB NUMBER: 211549.01
CAD DATE: 9/14/2026 8:09:38 AM
CAD FILE: j:\2021\211549.01\CAD\Dwgs\C\211549.01-LandscapeDetails.dwg

BAR IS ONE INCH ON
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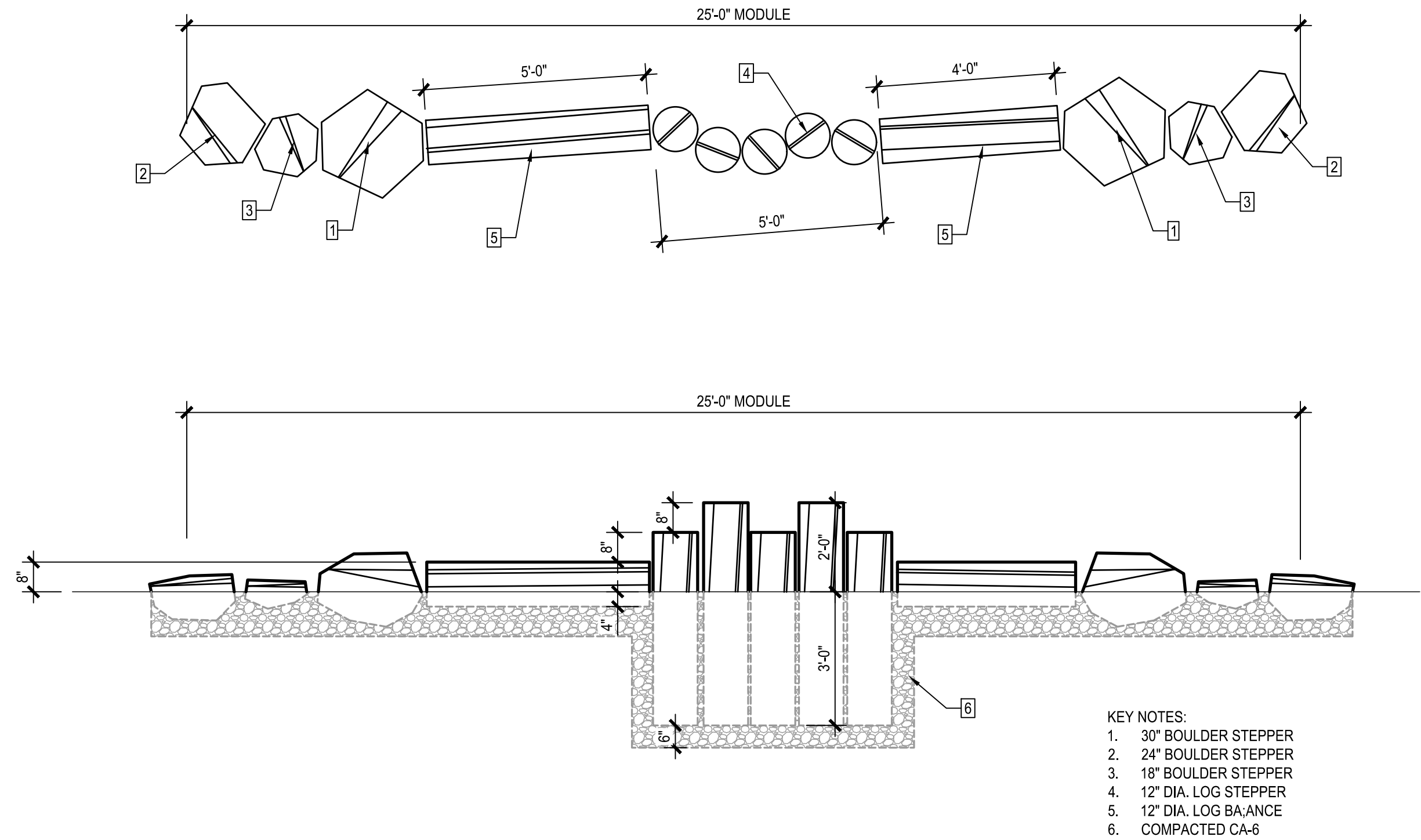
NO.	DATE	BY	REVISION DESCRIPTION

HRGreen.com
HRGreen

TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

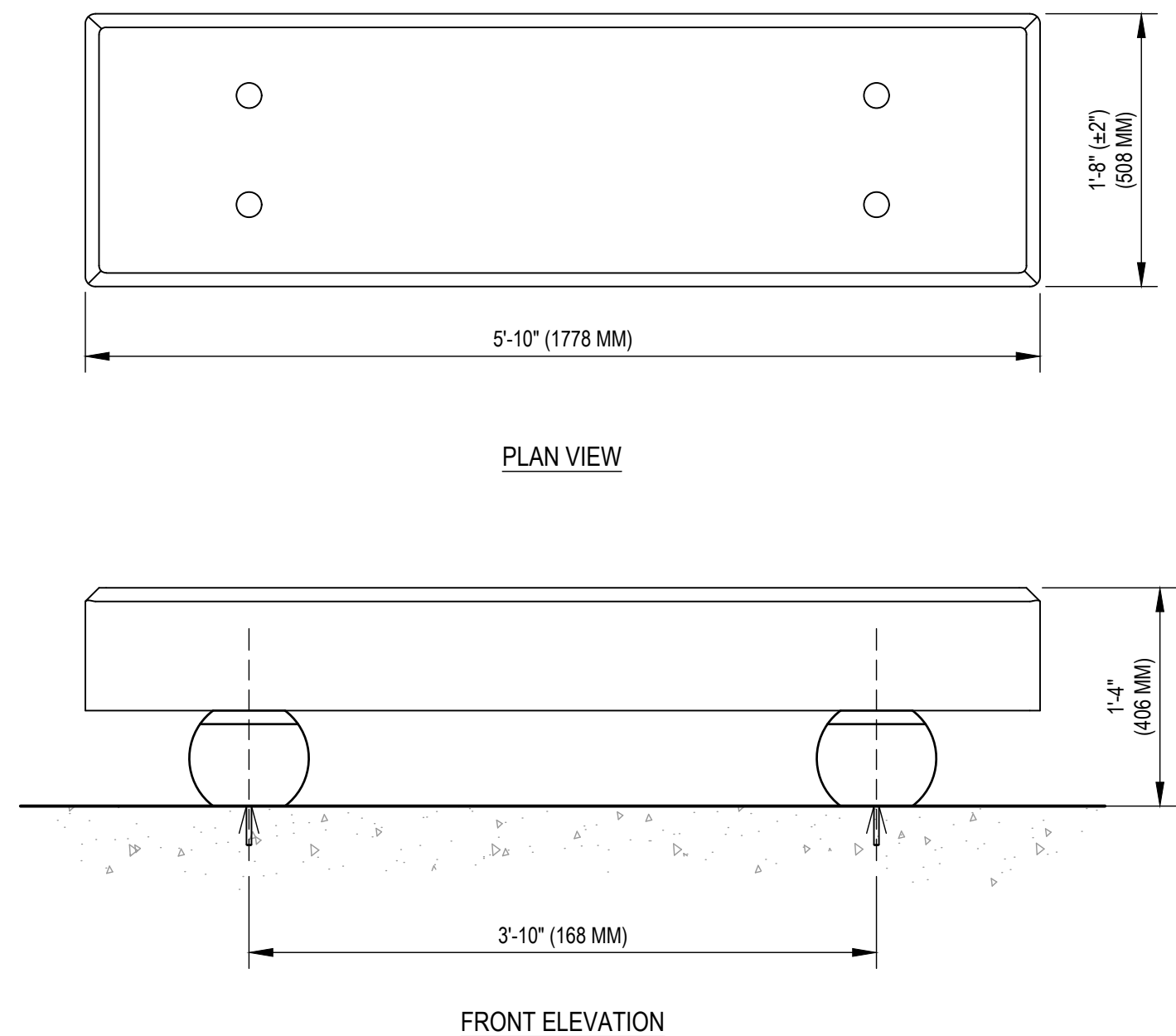
LANDSCAPE
LANDSCAPE DETAILS

SHEET NO.
L503



1 BALANCE CHALLENGE

SCALE: NTS

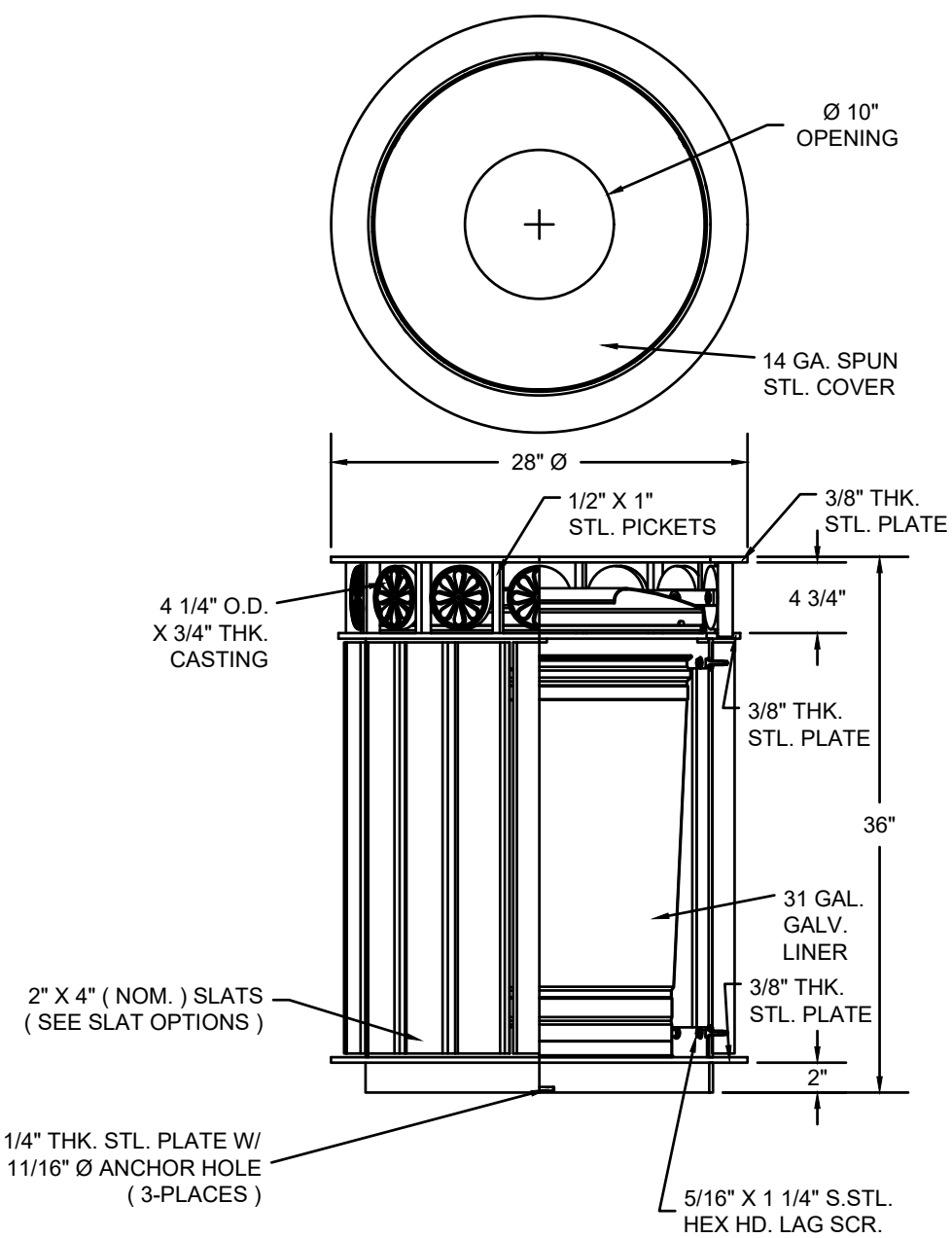
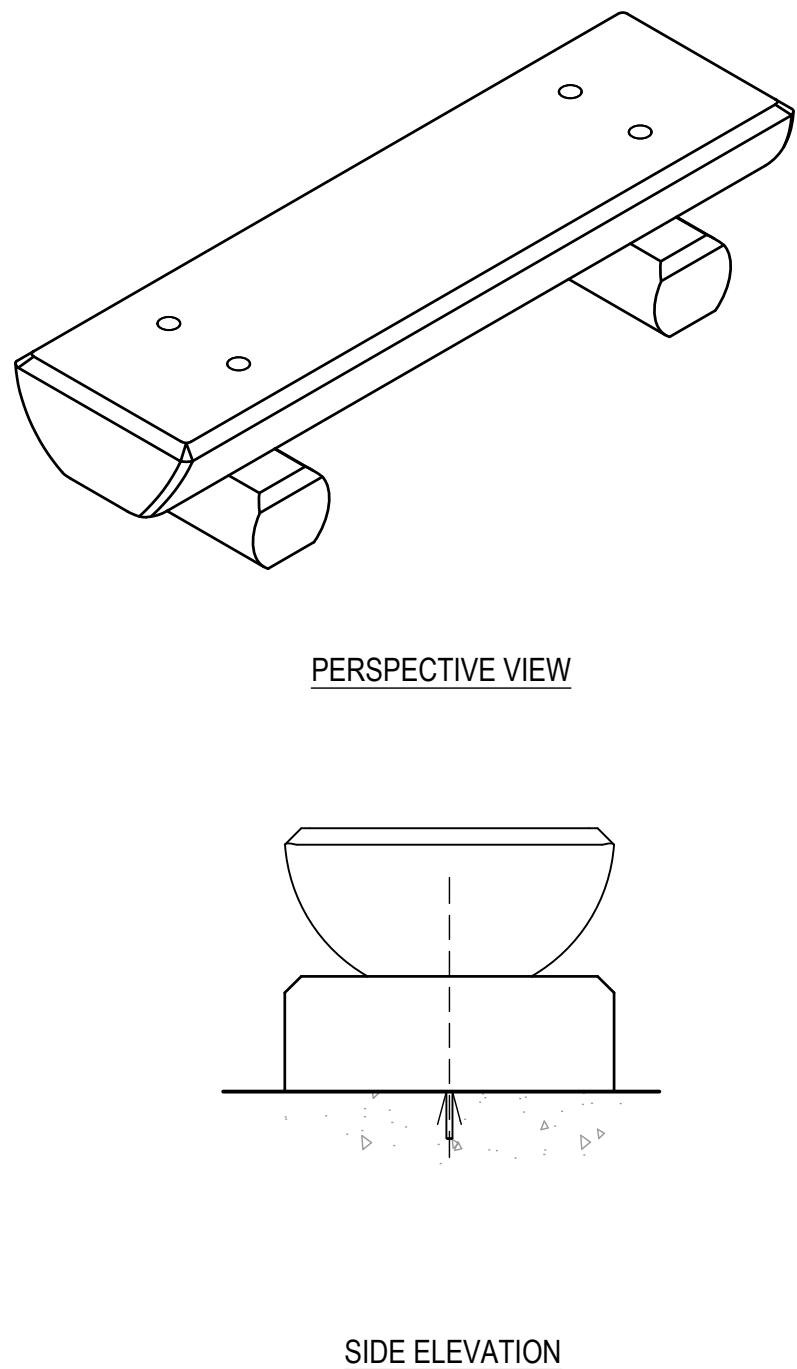


SPECIFICATIONS:
MATERIAL: PEELED HAND-HEWN DOUGLAS FIR NATURAL HALF-ROUNDS

NOTE:
INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

3 BENCH

SCALE: NTS



4 TRASH RECEPTACLE

SCALE: NTS

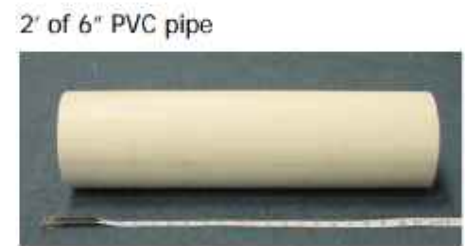
NOTES

- 1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
- 2.) 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
- 3.) RECEPTACLE FULLY ASSEMBLED AT FACTORY.

WOOD OPTIONS

- ☐ C' & BTR. DOUGLAS FIR KD S4S EE
- ☐ IPE S4S EE
- ☐ OTHER

Materials needed (per station)



Glue the elbow to one end of the pipe and the adapter to the other. Drill two holes in the plug (this is for drainage in case water gets into the recycling container) and attach (hand tight). Affix stickers into the station and the sign.



ASSEMBLY:

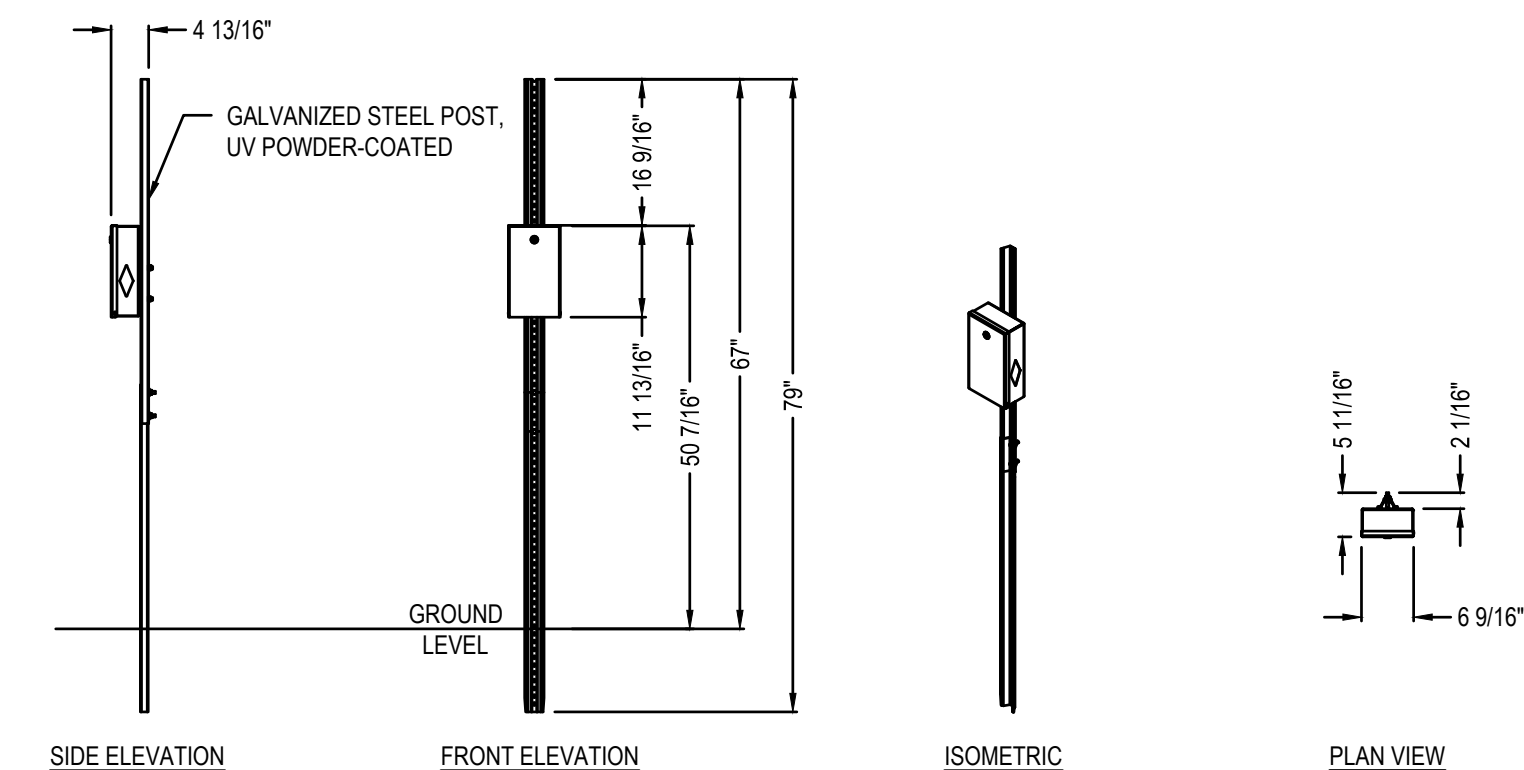
1. CUT PVC PIPE INTO APPROXIMATELY 2' LONG PIECES USING A HACKSAW, RECIPROCATING SAW (METAL BLADE: 12" LONG BLADES WORK WELL), BANDSAW OR TABLE SAW. USE A DEBURRING TOOL OR SANDPAPER TO REMOVE PVC "BURRS" AROUND EDGES.
2. WORKING IN A WELL-AERATED AREA, APPLY PVC GLUE TO INSIDE (NON-THREADED PART) OF ADAPTER. WITH ADAPTER SITTING SQUARELY ON THE GROUND, PRESS THE PIPE DOWN INTO THE ADAPTER UNTIL SNUG. NOTE THAT PVC GLUE WORKS BY DISSOLVING THE PVC, THEN SETS RAPIDLY, SO YOU DON'T HAVE A LOT OF "PLAY" TIME WITH IT.
3. APPLY PVC GLUE TO THE INSIDE OF ONE END OF THE ELBOW (IT DOES NOT MATTER WHICH END). PRESS THE ELBOW ONTO THE PIPE. TRY AND MAKE SURE THAT ANY BLEMISHES ON THE PIPE END UP ON THE BACK SIDE OF THE BIN.
4. APPLY STICKERS.
5. LL 2 HOLES (ABOUT 1/4 OR 3/8") IN THE CENTER OF THE SCREW PLUG. THREAD PLUG INTO ADAPTER.

INSTALLATION:

1. DECIDE WHERE YOU ARE GOING TO INSTALL THE BIN AND SIGN. USING A LONG DRILL BIT (8"), DRILL 2 HOLES IN THE SUPPORTING WOOD (POST OR RAILINGS). THE HOLES SHOULD BE PLACED SUCH THAT THE UPPER HOLE WILL LINE UP WITH THE LOWER PART OF THE ELBOW AND THE LOWER HOLE LINES UP WITH THE COLLAR OF THE ADAPTER. DRILL A HOLE THROUGH THE BASE OF THE ELBOW AT THE BACK OF THE BIN.
2. USE BOLTS OR ALL-THREAD TO ATTACH THE BIN TO THE POST AT THE TOP HOLE. LOK-TITE MAY BE USED ON THE THREADS TO TRY AND KEEP THE NUTS FROM COMING LOOSE.
3. FROM THE BACK SIDE OF THE POST, DRILL THROUGH THE EXISTING HOLE AND THROUGH THE COLLAR OF THE ADAPTER. USE A SECOND BOLT OR PIECE OF ALL-THREAD TO ATTACH THE BIN THROUGH THESE HOLES.
4. IF USING ALL-THREAD, USE A RECIPROCATING SAW OR BOLT CUTTERS TO CUT OFF THE EXCESS MATERIAL.

2 FISHING LINE RECYCLING BIN

SCALE: NTS



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.

5 DOG WASTE STATION

SCALE: NTS

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TROUT VALLEY NATURE PARK
VILLAGE OF TROUT VALLEY
TROUT VALLEY, ILLINOIS

LANDSCAPE
LANDSCAPE DETAILS

SHEET NO.
L504