BLAIR REGIONAL YMCA & THE BLAIR COUNTY CONSERVATION DISTRICT

BLAIR COUNTY, PENNSYLVANIA

YMCA RAIN GARDEN RECONSTRUCTION PROJECT CONTRACT: 2024-1



PUBLIC UTILITY ACT 38 COMPLIANCE AREA COVERED BY ONE CALL:

<u>SERIAL NUMBERS:</u> 20241493592

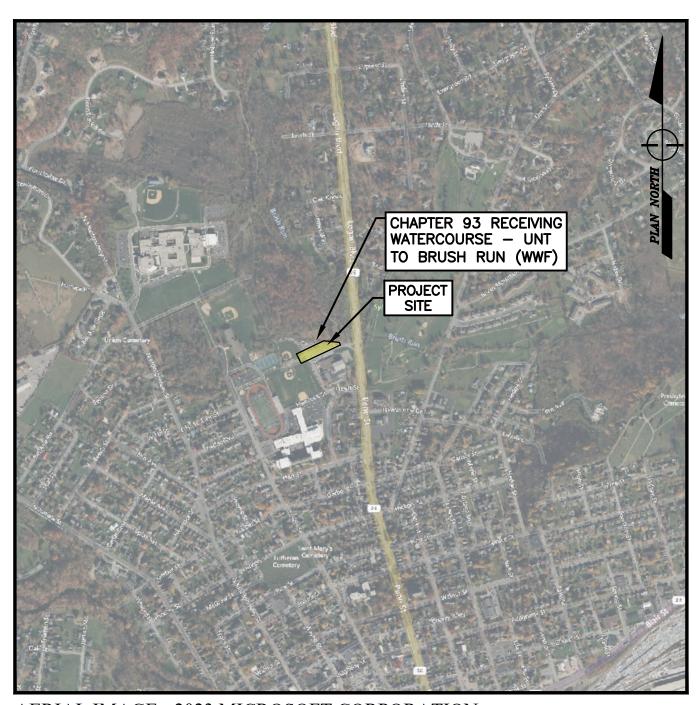
USER	<u>STATEMENT</u>
ALTOONA WATER AUTHORITY WATER DIVISION 832 20TH ST. ALTOONA, PA 16601 ATTN: RICK MCPHEE EMAIL: rmcphee@altoonawater.gov	CLEAR-NO FACILITIES
BREEZELINE 2200 BEALE AVE. ALTOONA, PA 16601 ATTN: RICK HIMES EMAIL: rhimes@breezeline.com	CLEAR-NO FACILITIES
COMCAST 250 REESE ROAD STATE COLLEGE, PA 16801 ATTN: ROBERT LINGAFELT EMAIL: Robert_Lingafeltiii@cable.comcast.com	PLANS PROVIDED
FIRSTENERGY CORPORATION 21 S. MAIN ST. AKRON, OH 44308 ATTN: MELLYSSA ADAMS EMAIL: madams@firstenergycorp.com	PLANS PROVIDED
HOLLIDAYSBURG BOROUGH SEWER AUTHORITY 401 BLAIR ST. HOLLIDAYSBURG, PA 16648 ATTN: FRANK HICKS JR. EMAIL: fhicks@hollidaysburpa.org	MARKED
PEOPLES GAS COMPANY LLC 375 N. SHORE DR. PITTSBURGH, PA 15212 ATTN: TODD COEN EMAIL: todd.coen@peoples-gas.com	PLANS PROVIDED

- 1. PURSUANT TO THE PROVISIONS OF PA ACT 287, AS AMENDED BY ACT 121 OF OCTOBER 9, 2008, PENNSYLVANIA LEGISLATURE, STIFFLER, MCGRAW & ASSOCIATES, INC. HAS INSPECTED OR OBTAINED A LIST OF USERS, AS PRESCRIBED BY SECTION 3 OF SAID ACT WITHIN THE POLITICAL SUBDIVISIONS INVOLVED IN THIS PROJECT. INFORMATION ON THE POSITION AND TYPE OF EACH UNDERGROUND LINE WAS REQUESTED NOT LESS THAN TEN (10), NOR MORE THAN NINETY (90), DAYS PRIOR TO THE COMPLETION OF FINAL DESIGN. EXISTING UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS ARE BASED ON THE INFORMATION PROVIDED BY THE USERS.
- STIFFLER, MCGRAW & ASSOCIATES, INC., AND THE BLAIR REGIONAL YMCA DO NOT GUARANTEE THE PRESENCE, LOCATION, OR DEPTH OF ANY PUBLIC OR PRIVATE UNDERGROUND UTILITY OR STRUCTURE WHICH MAY OR MAY NOT BE SHOWN ON THESE PLANS.
- 3. PENNSYLVANIA ONE CALL SYSTEM, INC. (1-800-242-1776) SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST THREE (3) BUSINESS DAYS, BUT NOT MORE THAN TEN (10) BUSINESS DAYS IN ADVANCE OF ACTUAL CONSTRUCTION EXCAVATION FOR VERIFICATION AND MARKOUT OF EXISTING UTILITIES.
- 4. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PUBLIC UTILITY ACT NO. 181 OF DECEMBER 18, 2006.

AS-BID

JUNE 14, 2024

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1731 N. Juniata Street
Hollidaysburg, PA 16648
Phone: 814.696.6280 Fax: 814.696.62



Stiffler, McGraw & Associates, Inc.

Revisions:

No. Date Description

COVER

PROJECT NO.	22-2024
DRAWN BY:	CSF
DESIGNED BY:	CSF
CHECKED BY:	GTG
SCALE:	AS SHOWN

<u>Drawing:</u>

Sheet Title:

C1

GENERAL NOTES

- 1. CURRENT PROPERTY OWNER: BLAIR REGIONAL YMCA
- 2. SLANT LETTERING INDICATES EXISTING FEATURES OR FACILITIES.
- 3. VERTICAL LETTERING INDICATES PROPOSED FEATURES OR FACILITIES.
- 4. EXISTING TOPOGRAPHIC INFORMATION WAS OBTAINED FROM PENNSYLVANIA SPATIAL DATA ACCESS. LIDAR TOPOGRAPHY.
- 5. ELEVATIONS ARE BASED ON NAVD 88.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING BENCHMARKS, ELEVATIONS, SLOPES AND DIMENSIONAL INFORMATION PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
- 7. ADJOINING PROPERTIES. RIGHTS-OF-WAY AND PROPERTY OWNERS ARE SHOWN WITH RESPECT TO TAX RECORDS, SURVEYS OF RECORD AND RECORDED DEED INFORMATION, AND DO NOT CONSTITUTE PROPERTY SURVEYS.
- 8. THE ENTIRE AREA OF IMPROVEMENTS IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN BOUNDARY BASED ON FEMA MAP No. 42103C02340.
- 9. A WETLAND ABSENCE/PRESENCE INVESTIGATION WAS NOT CONDUCTED AS THERE IS NO EVIDENCE OF WETLANDS ON THE PROPERTY.
- 10. THE CONTRACTOR SHALL EXERCISE CAUTION AND EMPLOY CAREFUL EXCAVATION METHODS DURING INSTALLATION OF THE FACILITIES TO AVOID DAMAGE TO OR CONFLICT WITH EXISTING FACILITIES AND STRUCTURES. THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS AS NECESSARY TO ASCERTAIN THE HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES PRIOR TO CONSTRUCTION IN AFFECTED AREAS AND SHALL MAKE APPROPRIATE FIELD ADJUSTMENTS IF CONFLICTS OCCUR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL REQUIRED FIELD ADJUSTMENTS
- 11. ALL CONSTRUCTION MATERIALS, EQUIPMENT, PROCEDURES AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF PADOT PUB. 408 (SPECIFICATIONS) AND PUB. 72M (STANDARDS FOR ROADWAY CONSTRUCTION), LATEST EDITIONS, UNLESS SPECIFICALLY STATED OTHERWISE.
- 12. THE CONTRACTOR SHALL ADHERE TO ALL PERMIT CONDITIONS AND APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.

13. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE

PROPER AUTHORITIES. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES, AND COORDINATE CONSTRUCTION WITH UTILITY COMPANIES AS FOLLOWS: a. THE CONTRACTOR SHALL CONTACT PEOPLES NATURAL GAS PRIOR TO BEGINNING CONSTRUCTION ON THIS PROJECT. A REPRESENTATIVE MAY REQUEST TO BE ON-SITE DURING EXCAVATION ADJACENT TO THE GAS LINE.

ABBREVIATION LIST TYPICAL ABBREVIATIONS: SOME MAY NOT APPLY ON THIS PROJECT. AC. ACRF MANHOLE ADT AVERAGE DAILY TRAFFIC MINIMUM MIN. AGGR. AGGREGATE MISC. MISCELLANEOUS A.V. AIR VACUUM MON. MONUMENT BUILDING MILES PER HOUR M..H. B.C. BOTTOM OF CURB N/F NOW OR FORMERLY **BASELINE** BL. NUMBER B.M. BENCH MARK N.T.S. NOT TO SCALE B.O. BLOW OFF O.C. ON CENTER C.B. CATCH BASIN O.D. OUTSIDE DIAMETER OFF. C/C CENTER TO CENTER OFFSET 0.H. OVERHEAD CUBIC FEET CUBIC FEET PER MINUTE 0.B. **OBSERVATION STACK** C.F.M. C.F.S. PCL. CUBIC FEET PER SECOND PARCEL POST-CONSTRUCTION C.M.P. CORRUGATED METAL PIPE PCSWM. C.I.Q. CAST IRON STORMWATER MANAGEMENT PERF. CENTER LINE CL. PERFORATED C.O. PROPERTY LINE **CLEANOUT** CONC. CONCRETE P.O.B. POINT OF BEGINNING C.P.P. CORRUGATED POLYETHYLENE PIPE POUNDS PER SQUARE INCH P.O.I. CWF. COLD WATER FISHES PUMP STATION C.F. P.V.C. CUBIC FEET POLYVINYL CHLORIDE C.Y. CUBIC YARDS PVMT. PAVEMENT D.I.P. DUCTILE IRON PIPE PUB. PUBLICATION QTY. D.H. DRILL HOLE QUANTITY DIA. DIAMETER RADIUS D.I.P. DUCTILE IRON PIPE R.C.P. REINFORCED CONCRETE PIPE REF. DN. DOWN REFERENCE REQ. D/S DOWN STREAM REQUIRED DWG. DRAWING REQ'D REQUIRED REV. EA. EACH REVISION **ELEVATION** EL. RIGHT OF WAY R/W ELEC. **ELECTRIC** Ŕ.O.W. RIGHT OF WAY ELECT. **ELECTRIC** R.R. RAILROAD ELEV. **ELEVATION** SAN. SANITARY EDGE OF PAVEMENT E.O.P. SCH. SCHEDULE E.O.S. EDGE OF SHOULDER SECT. SECTION SQUARE FEET EQ. **EQUAL** EV. **EXCEPTIONAL VALUE WATERS** S.L.C.P.P SMOOTH-LINED CORRUGATED E.W.E.F. EACH WAY EACH FACE POLYETHYLENE PIPE EX. EXISTING S.R. STATE ROUTE F.F. FIRST FLOOR STORM SEWER F.F.B. FIRST FLOOR W/BASEMENT STREET STA. STATION F.D. FLOOR DRAIN F.F.E. STD. FINISH FLOOR ELEVATION STANDARD STM. STORM F.H. FIRE HYDRANT H.G.L. HYDRAULIC GRADE LINE SQ. **SQUARE** F.P. FLAG POLE S.Y. SQUARE YARD TAP. GAS or WATER TAP FT. FOOT / FEET T.C. TOP OF CURB GAL. GALLON(S) TEMP. **TEMPORARY** GND. GROUND TEL. **TELEPHONE** G..A. GALLONS PER MINUTE T.G. TOP OF GRATE G.F. GAS FLAG T.O.C. TIME OF CONCENTRATION GAS LINE TOP OF GRATE T.O.G. G.M. GAS METER TRANS. TRANSFORMER G.W. GAS WELL TRAV. TRAVERSE H.C. **HANDICAP** TROUT STOCKING FISHES TSF. HIGHWAY OCCUPANCY PERMIT H.O.P. T.V. TELEVISION **HORIZONTAL** HOR. TWP. TOWNSHIP HORZ. HORIZONTAL TYP. TYPICAL H.P. HIGH POINT **UNDERGROUND** HIGH QUALITY WATERS HQ. UNDERGROUND ELECTRIC H.T. E.G.E. HEIGHT UNLESS NOTED OTHERWISE U.N.O. HWY. HIGHWAY INSIDE DIAMETER I.D. U.P. UTILITY POLE INSTRUMENT INSTR. INVERT VACUUM INV. VER. I.P.F. IRON PIN / PIPE FOUND VERTICAL VERT. VERTICAL LATITUDE LAT. V.C.A. VITRIFIED CLAY PIPE LONG. LONGITUDE WATER LBS. POUNDS L.F. LINEAR FEET WITH L.P. LIGHT POLE or LOW PRESSURE WITHOUT L.P.S. LOW PRESSURE SEWER WATER LINE MAX. MAXIMUM WET WELL MB. MAILBOX WELDED WIRE FABRIC W.W.F MATCH EXISTING WARM WATER FISHES MIGRATORY FISHES WATER METER MANUFACTURER W.V. WATER VALVE MILLION GALLONS PER DAY Y.H. YARD HYDRANT

YEAR

TYPICAL LEGEND TYPICAL LEGEND NOTE: SOME TYPICAL SYMBOLS MAY NOT APPLY ON THIS PROJECT. **EXISTING** PROPOSED WATER **SURVEY** WATER - WATER/ABANDONED LINE — W — WATER LINE ---- PROPERTY LINE WELL WELL Q X FIRE HYDRANT FIRE HYDRANT BOROUGH OR TOWNSHIP LINE WATER VALVE WATER VALVE - COUNTY LINE WATER TAP WATER TAP - STATE LINE IRON PIN/PIPE FOUND WATER METER WATER METER (UNLESS NOTED OTHERWISE) METER PIT METER PIT MONUMENT AIR VACUUM RELEASE AIR VACUUM RELEASE STONE PILE BLOW OFF BLOW OFF FENCE POST REDUCER POST REDUCER PERK HOLE WATER) WATER TANK (WATER) WATER TANK TEST PIT BLAZED TREE STORM SEWER WITNESS TREE STORM SEWER STORM SEWER INLET NUMBER **COMMUNICATIONS** STORM SEWER —— // —— CABLE TV INLET/CATCH BASIN INLET/CATCH BASIN ---- TELEPHONE LINE CULVERT PIPE CULVERT PIPE **GENERAL EXISTING** CIRCULAR CATCH BASIN SANITARY SEWER STORM MANHOLE UTILITY POLE SANITARY SEWER LINE MARSH/WETLAND SANITARY SEWER ----FORCE MAIN PARKING METER ----- S ----- SEWER — — LOW PRESSURE SEGMENT MARKER ----FM----FORCE MAIN SANITARY SEWER MANHOLE ----LP----LOW PRESSURE DOUBLE POLE SIGN CLEANOUT SEWER MH PUMP STATION SINGLE POLE SIGN CLEANOUT HANDICAP PARKING PUMP STATION MISC. SIGN GRINDER PUMP GRINDER PUMP POST **SURVEY** WET WELL LIGHT POST GAS —— - - —— PROPERTY LINE MAIL BOX - GAS LINE LARGE TREE HIGH PRESSURE — — — BUILDING SETBACK LINE PETROLEUM PIPE 5/8" REBAR WITH CAP SET SMALL TREE - PETROLEUM LINE ----- PET--(UNLESS NOTED OTHERWISE) GAS WELL SHRUB TRAVERSE SPUR TRAVERSE POINT GAS METER MISC. TREE PERC HOLE GAS MARKER TEST PIT LARGE PINE MONUMENT GAS VALVE SMALL PINE #) BENCHMARK GAS TAP MISC. TREES AND SHRUBS GENERAL PROPOSED ELECTRIC ----- UGE----- UNDERGROUND ELECTRIC ____o__ _____ MISC. FENCE MATTER OF TREES ---- OHE---- ELECTRIC LINE _____ INDICATES PROPERTY NUMBER ELECTRIC MH \mathfrak{F} RETAINING WALL INDICATES PROPERTY NUMBER STONE WALL/FENCE TRANSFORMER WITH EASEMENT TAKE ----- GUIDE RAIL GUY WIRE TREELINE ——→ FENCE RETAINING WALLSHRUBLINE TRAFFIC LIGHT — —100— — MAJOR CONTOUR PERMANENT EASEMENT BELL MH ----98----MINOR CONTOUR LIGHT POST BUILDING/HOUSE BUILDING TO BE SERVED HANDICAP PARKING × 100.00 SPOT ELEVATION × 100.00 SPOT ELEVATION SOILS BOUNDARY ——1000——PROPOSED CONTOUR (MAJOR) AgB SOIL CLASSIFICATION ——1001——PROPOSED CONTOUR (MINOR) —— G —— GAS LINE ——E,T,C—— ELECT., TELE., CABLE

-----FW-------FLOODWAY

—— Tc —— TIME OF CONCENTRATION

---- WETLAND BOUNDARY



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Owner:

BLAIR REGIONAL YMCA & THE BLAIR COUNTY CONSERVATION DISTRICT HOLLIDAYSBURG, PENNSYLVANIA 16648

Project Name: YMCA RAIN GARDEN RECONSTRUCTION PROJECT

2024-1

HOLLIDAYSBURG BOROUGH BLAIR COUNTY, PENNSYLVANIA

AS-BID

Revisions: Description No. | Date

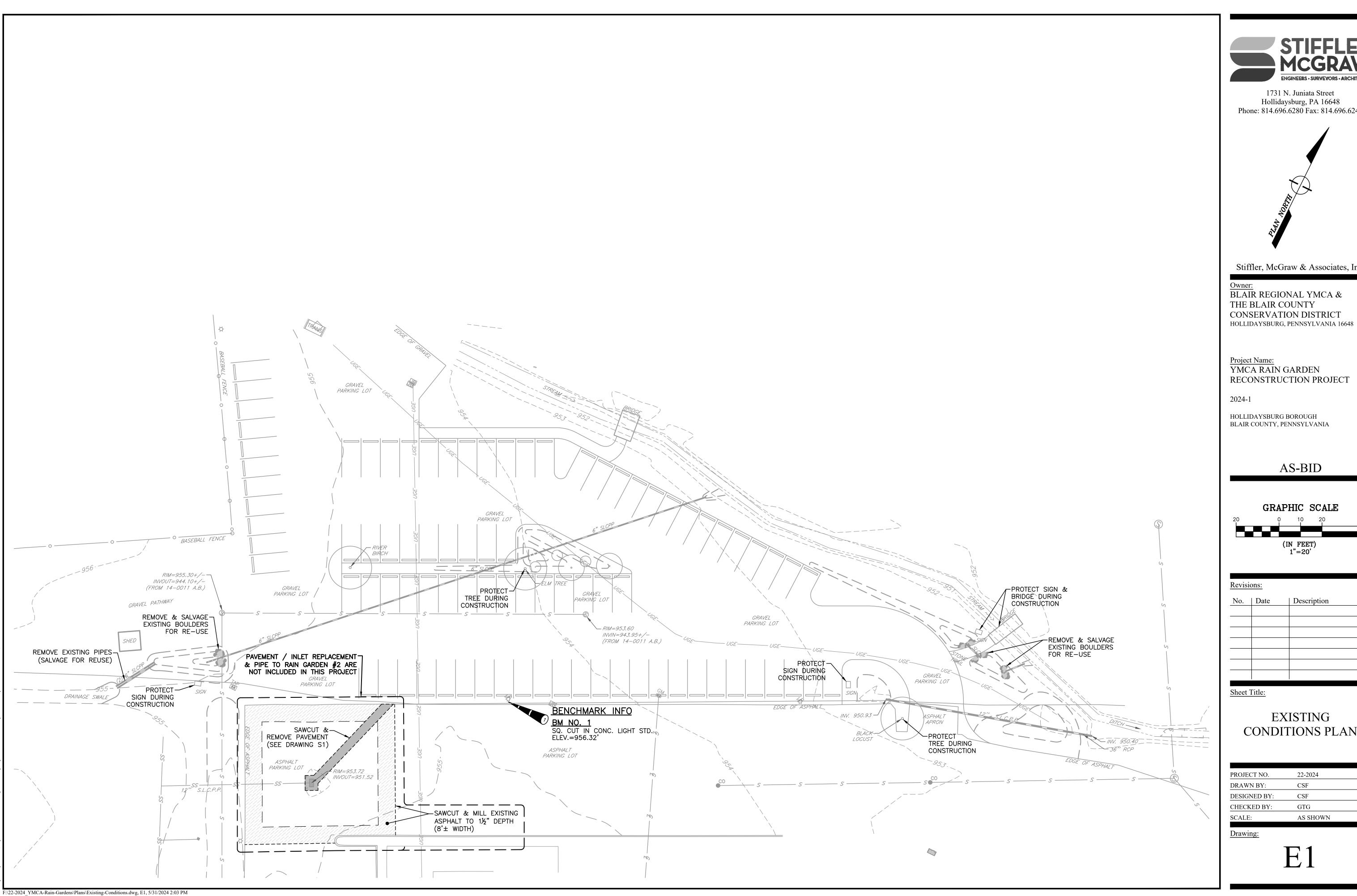
GENERAL NOTES

22-2024 PROJECT NO CSF DRAWN BY DESIGNED BY: CSF CHECKED BY: GTG AS SHOWN

Drawing:

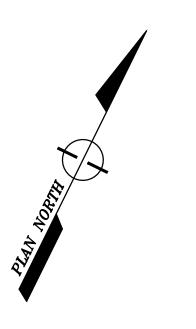
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********* NPDES BOUNDARY





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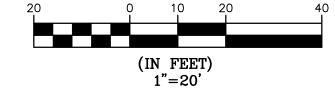
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2024-1

HOLLIDAYSBURG BOROUGH BLAIR COUNTY, PENNSYLVANIA

AS-BID

GRAPHIC SCALE

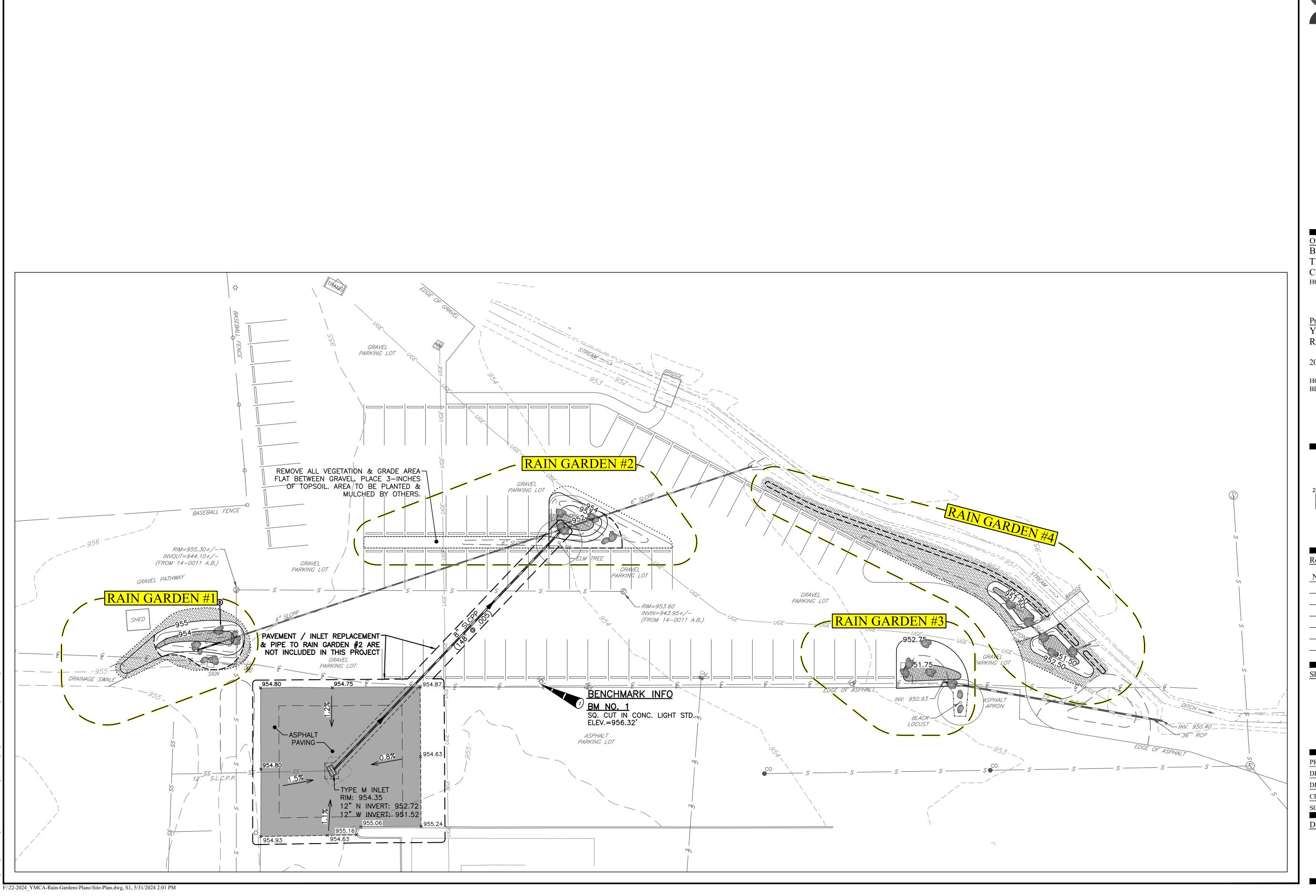


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EXISTING CONDITIONS PLAN

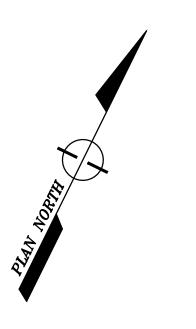
22-2024
CSF
CSF
GTG
AS SHOWN

<u>Drawing:</u>





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Stiffler, McGraw & Associates, Inc.

Owner:
BLAIR REGIONAL YMCA &
THE BLAIR COUNTY
CONSERVATION DISTRICT
HOLLIDAYSBURG, PENNSYLVANIA 16648

Project Name:
YMCA RAIN GARDEN
RECONSTRUCTION PROJECT

2024-1

HOLLIDAYSBURG BOROUGH BLAIR COUNTY, PENNSYLVANIA

AS-BID

GRAPHIC SCALE

20 0 10 20 (IN FEET) 1"=20'

Revisio	ons:	
No.	Date	Description

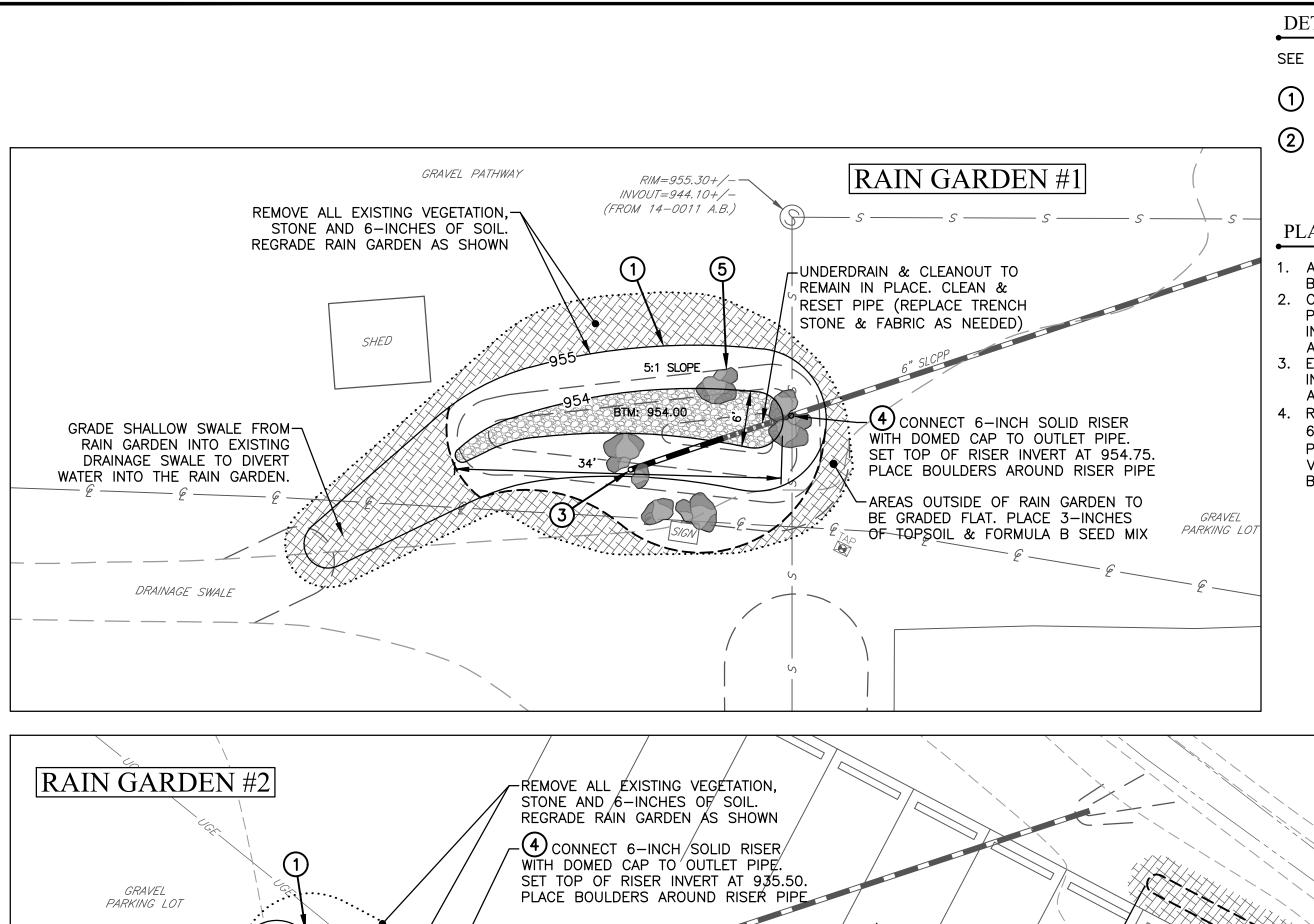
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SITE PLAN

PROJECT NO.	22-2024
DRAWN BY:	CSF
DESIGNED BY:	CSF
CHECKED BY:	GTG
SCALE:	AS SHOWN

<u>Drawing:</u>

S1



DETAIL REFERENCES

SEE CONSTRUCTION DETAILS ON DETAIL SHEETS

1 RAIN GARDEN

3 STANDARD CLEANOUT

2 PIPE OUTLET (4) RISER PIPE

PLAN NOTES

ALL EXISTING PIPES SHALL BE FLUSHED CLEAN OF DEBRIS AND BLOCKAGES, AND REUSED AS INDICATED.

5 BOULDER OUTCROP

CONTRACTOR SHALL INSTALL ALL TOPSOIL AND PLANTING SOIL TO PREPARE RAIN GARDENS FOR PLANTINGS. PLANTS ARE TO BE INSTALLED BY OTHERS. SEE LANDSCAPE BED PLANTING DETAIL FOR ADDITIONAL INFORMATION.

EXISTING BOULDERS ARE TO BE SALVAGED AND REUSED AS INDICATED. CONTRACTOR SHALL SUPPLY ADDITIONAL BOULDERS TO ACHIEVE DESIGNS AS SHOWN.

4. RAIN GARDEN #3 RISER PIPE: EXPOSE EXISTING 12" PIPE. CONNECT 6-INCH PERFORATED RISER WITH DOMED CAP TO PIPE (SEE RISER PIPE DETAIL). SET TOP OF RISER AT 952.50. DRILL 1-INCH HOLES VERTICALLY EVERY 2-INCHES BETWEEN GROUND AND CAP. PLACE BOULDERS AROUND RISER PIPE.

SEEDING AND SOIL SUPPLEMENT TABLE

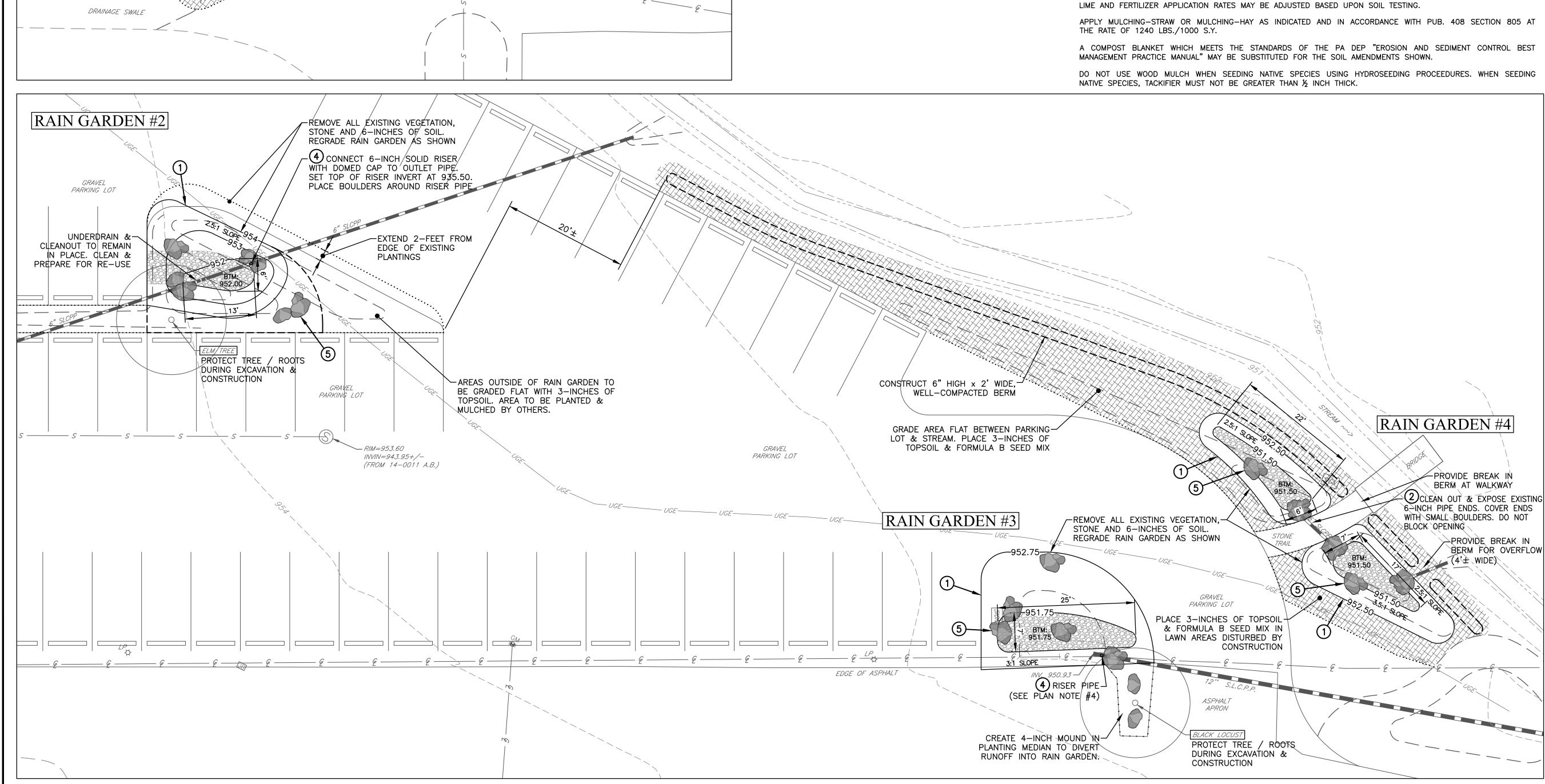
PLACE SEEDING SOIL SUPPLEMENTS ON ALL AREAS IN ACCORDANCE WITH PADOT SPECIFICATIONS, PUB. 408, AND AT THE RATES SPECIFIED BELOW:

FORMULA AND SPECIES	% BY WEIGHT	MINIMUM %		MAX % WEED	SEEDING RATE LBS./1000	
	WEIGHT	PURITY	GERMINATION	SEED	S.Y.	
FORMULA B RESIDENTIAL MIX					42.0 TOTAL	
 PERENNIAL RYE GRASS MIXTURE (LOLIUM PERENNE). A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF TOTAL RYE GRASS COMPONENT. 	20	97	90	0.10	8.5	
 CREEPING RED FESCUE OR CHEWINGS FESCUE (FESTUCA RUBRA OR SSP COMMUTATE) (IMPROVED AND CERTIFIED) 	30	97	85	0.10	12.5	
 KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS). A COMBINATION OF IMPROVED CERTIFIED VARIETIES WITH NO ONE VARIETY EXCEEDING 50% OF THE TOTAL BLUEGRASS COMPONENT. 	50	97	80	0.15	21.0	

APPLY SOIL SUPPLEMENTS ON FORMULAS B IN ACCORDANCE WITH PUB. 408 SECTION 804.2b AND AS FOLLOWS:

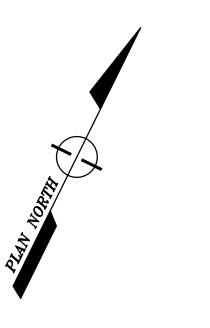
- PULVERIZED AGRICULTURAL LIMESTONE 800 LBS. PER 1000 S.Y. 10-20-20 ANALYSIS COMMERCIAL FERTILIZER - 140 LBS. PER 1000 S.Y.
- 38-0-0 UREAFORM FERTILIZER 50 LBS. PER 1000 S.Y.
- 32-0-0 TO 38-0-0 SULFUR COATED WITH UREA FERTILIZER 59 TO 50 LBS. PER 1000 S.Y.
- 31-0-0 IBDU FERTILIZER 61 LBS. PER 1000 S.Y.

SUPPLEMENTS SHALL NOT BE ADDED WHEN SEEDING FORMULAS C, N, W, R, P, SLOPE AND WILDFLOWER ENHANCEMENT SEEDED AREAS UNLESS INDICATED BY SOIL TEST.





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2024-1

HOLLIDAYSBURG BOROUGH BLAIR COUNTY, PENNSYLVANIA

AS-BID

GRAPHIC SCALE

1"=10'

Revisio	ons:	
No.	Date	Description
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		No. Date

Sheet Title:

SITE PLAN **ENLARGEMENTS**

PROJECT NO.	22-2024
DRAWN BY:	CSF
DESIGNED BY:	CSF
CHECKED BY:	GTG
SCALE:	AS SHOWN

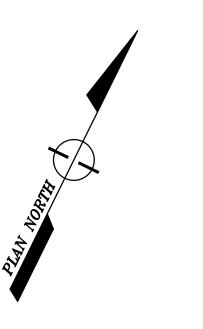
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PLAN NOTES

- 1. ALL HARDWOOD MULCH AND PLANTINGS SHOWN WILL BE INSTALLED
- 2. ALL AREAS OF TOPSOIL AND SEED SHALL BE INSTALLED BY THE CONTRACTOR (SEE DRAWING 'S2' FOR ADDITIONAL INFORMATION).



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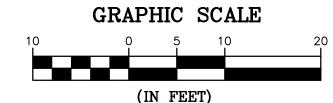
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RECONSTRUCTION PROJECT

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HOLLIDAYSBURG BOROUGH BLAIR COUNTY, PENNSYLVANIA

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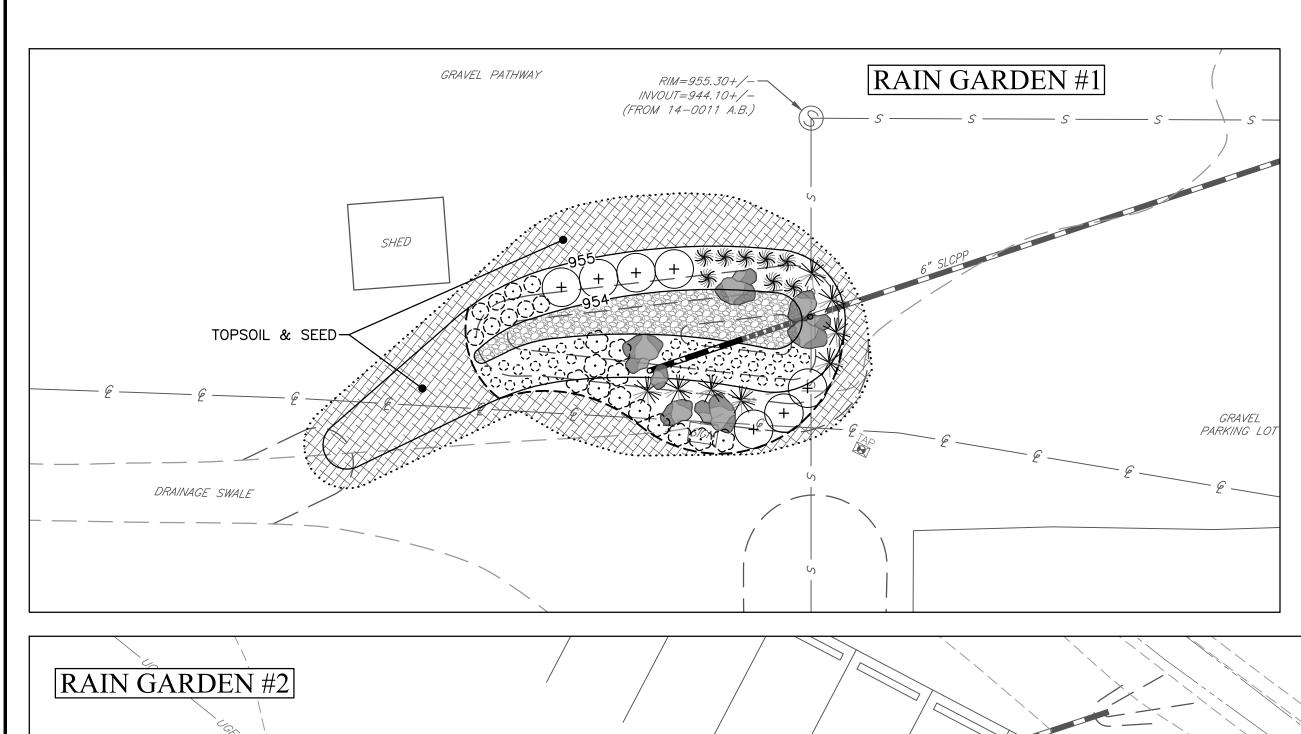
PLANTING PLANS

PROJECT NO.	22-2024	
DRAWN BY:	CSF	
DESIGNED BY:	CSF	
CHECKED BY:	GTG	
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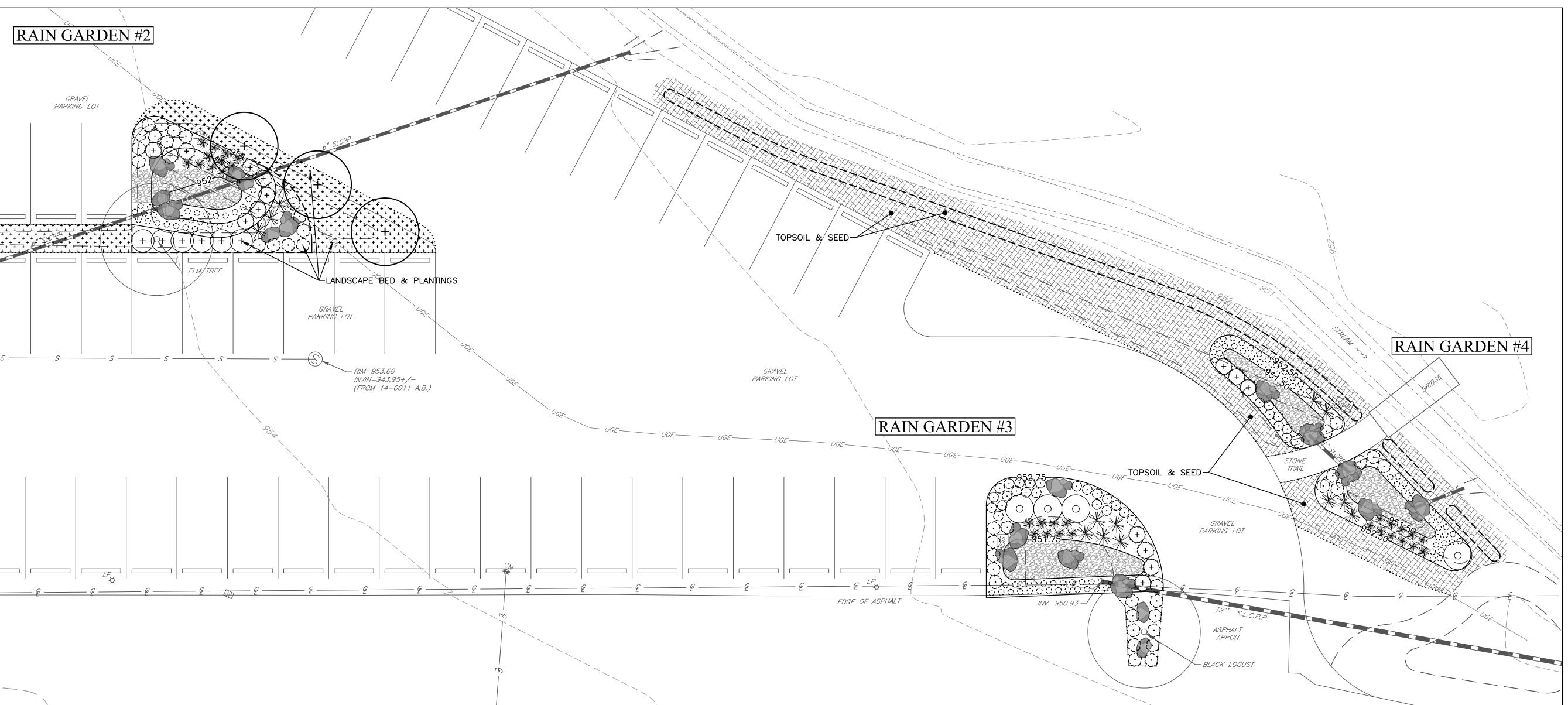
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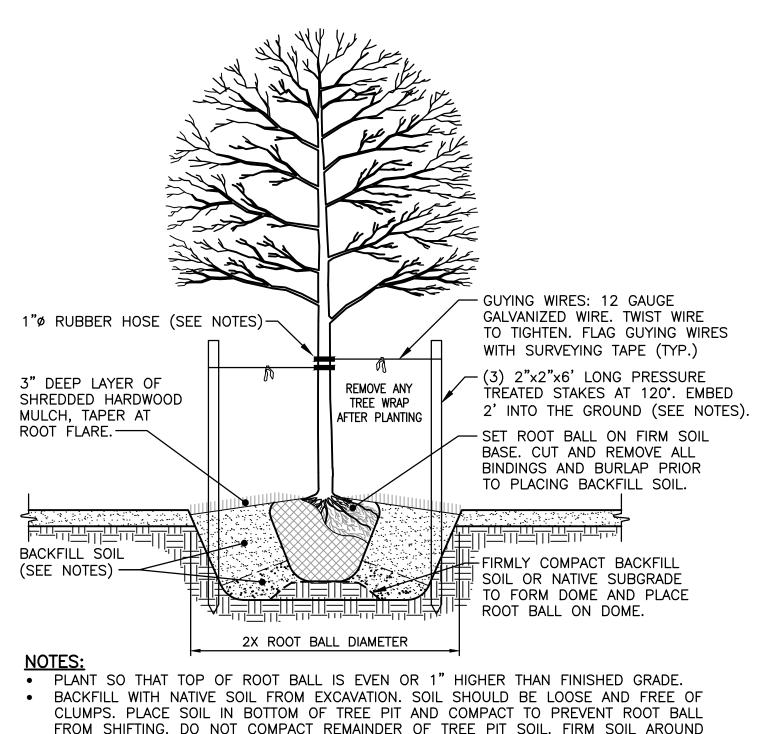
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S3



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- FROM SHIFTING. DO NOT COMPACT REMAINDER OF TREE PIT SOIL. FIRM SOIL AROUND ROOT BALL AND WATER THOROUGHLY. DO NOT COVER TOP OF ROOT BALL WITH SOIL. • REMOVE ONLY BROKEN OR DEAD BRANCHES. DO NOT PRUNE ANY HEALTHY BRANCHES
- AT TIME OF PLANTING. TREE STAKES SHOULD ONLY BE USED IF TREE IS PLANTED IN EXTREMELY WINDY CONDITIONS OR IF BACKFILL SOIL IS VERY SANDY, OR VERY WET CLAY. IF USED,

COORDINATE REMOVAL OF STAKES, WIRING AND HOSE FOR 1-YEAR AFTER PLANTING.

TREE PLANTING DETAIL (BY OTHERS)

FINISHED

GRADE —

WYE CONNECTOR

N.T.S.

PLACE BOULDERS AROUND

RISER PIPE TO MASK INTO

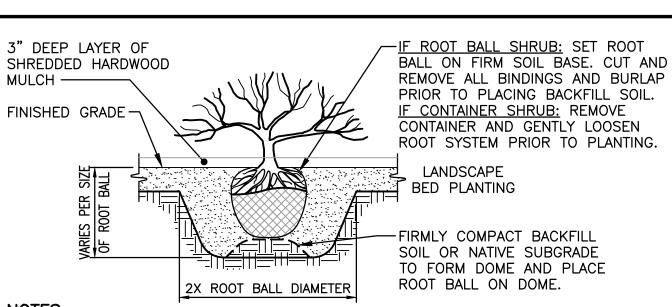
SURROUNDING LANDSCAPE -

STANDARD CLEANOUT
N.T.S.

NOTE:
CLEAN & REUSE EXISTING PIPES & FITTINGS.

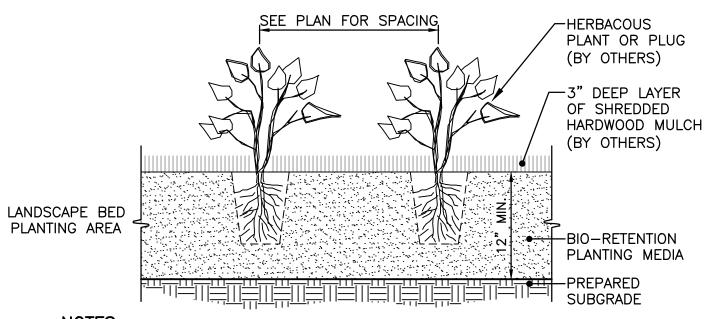
THREADED

6" THREADED ADAPTOR -



• PLANT SO THAT TOP OF ROOT BALL IS EVEN OR 1" HIGHER THAN FINISHED GRADE. • REMOVE ONLY BROKEN OR DEAD BRANCHES. DO NOT PRUNE ANY HEALTHY BRANCHES AT TIME OF PLANTING.

SHRUB PLANTING DETAIL (BY OTHERS)

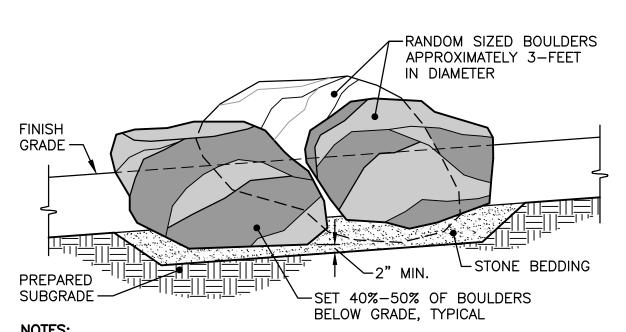


NOTES:

- SHREDDED HARDWOOD MULCH: MULCH SHALL BE DOUBLE-GROUND SHREDDED HARDWOOD, NATURAL IN COLOR.
- FIRM SOIL AROUND PLANTINGS AND WATER THOROUGHLY. DO NOT COMPACT SOIL.
- REMOVE CONTAINER AND GENTLY LOOSEN ROOT SYSTEM. • PLANT SO THAT TOP OF ROOT SYSTEM IS EVEN OR 1" HIGHER THAN FINISHED

LANDSCAPE BED PLANTING DETAIL

N.T.S.

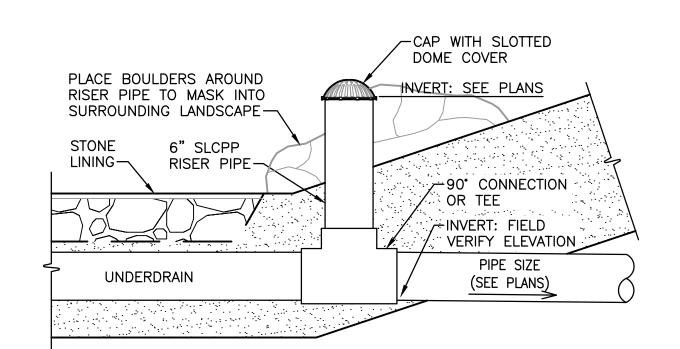


• THE DESIGN INTENT IS TO RESEMBLE STONE/ BOULDER OUTCROP FORMATIONS AS SEEN IN THE NATURAL ENVIRONMENT.

 REFERENCE LANDSCAPING PLAN FOR VARIOUS LOCATIONS OF BOULDER OUTCROP AREAS. PROVIDE QUANTITIES AS SHOWN ON THE PLAN.

BOULDER OUTCROP DETAIL

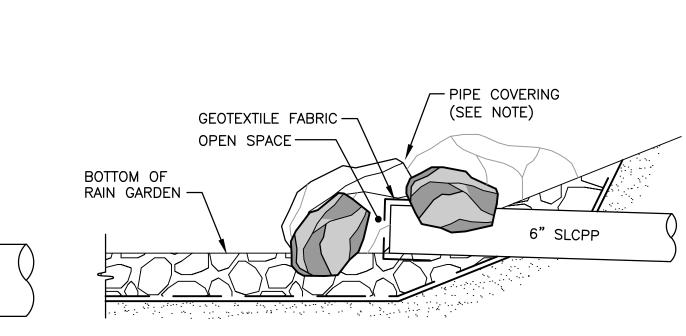
N.T.S.



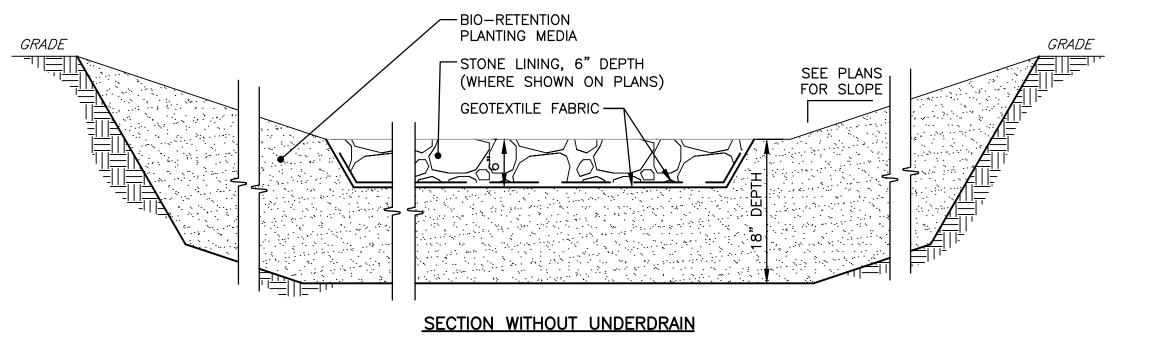
NOTE:
CLEAN & REUSE EXISTING PIPES. PROVIDE RISER PIPE, CAP AND CONNECTION.

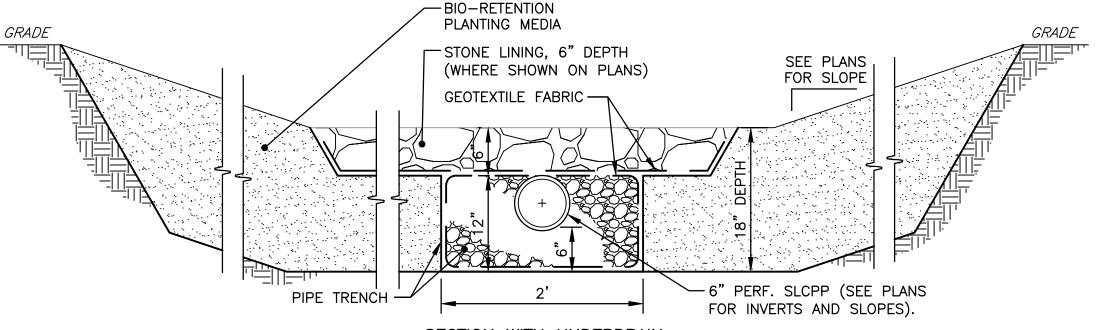
RISER PIPE

N.T.S.



CLEAN & REUSE EXISTING PIPE. COVER PIPE OPENING WITH NON-WOVEN GEOTEXTILE FABRIC. STRAP FABRIC TO PIPE. PLACE SMALL TO MEDIUM BOULDERS IN FRONT OF AND AROUND PIPE TO FULLY COVER EXPOSED PIPE. MAINTAIN OPEN SPACE AT PIPE INLET.





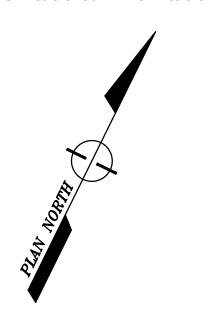
SECTION WITH UNDERDRAIN

- NOTES:

 BIO-RETENTION PLANTING MEDIA TO BE 45%-50% TOPSOIL, 10%-20% WELL-COMPOSTED ORGANIC COMPOST, AND 30%-35% SAND, WELL BLENDED AND PREPARED FOR PLANTING. GRADE TO A SMOOTH, UNIFORM SURFACE WITH FIRM (NOT COMPACTED), FINE TEXTURE.
- STONE LINING TO BE FLAT, WASHED, AND ROUNDED NATURAL STONE, 6"-12" RANGE. • GEOTEXTILE FABRIC TO BE TERRA-TEX EP-12 BY HANES GEO OR APPROVED EQUAL.
- FILL PIPE TRENCH WITH CLEAN NO. 2B STONE. OVERLAP GEOTEXTILE FABRIC AT TOP
- OF TRENCH BY 1 FT. PRIOR TO PLACEMENT OF BIO-RETENTION PLANTING MEDIA.



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Stiffler, McGraw & Associates, Inc.

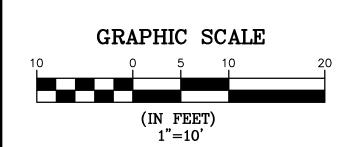
Owner: BLAIR REGIONAL YMCA & THE BLAIR COUNTY CONSERVATION DISTRICT HOLLIDAYSBURG, PENNSYLVANIA 16648

Project Name: YMCA RAIN GARDEN RECONSTRUCTION PROJECT

2024-1

HOLLIDAYSBURG BOROUGH BLAIR COUNTY, PENNSYLVANIA

AS-BID



Revisions: Description Sheet Title:

DETAILS

PROJECT NO.	22-2024
DRAWN BY:	CSF
DESIGNED BY:	CSF
CHECKED BY:	GTG
SCALE:	AS SHOWN

Drawing:

F:\22-2024 YMCA-Rain-Gardens\Plans\Details.dwg, D1, 5/31/2024 1:01 PM