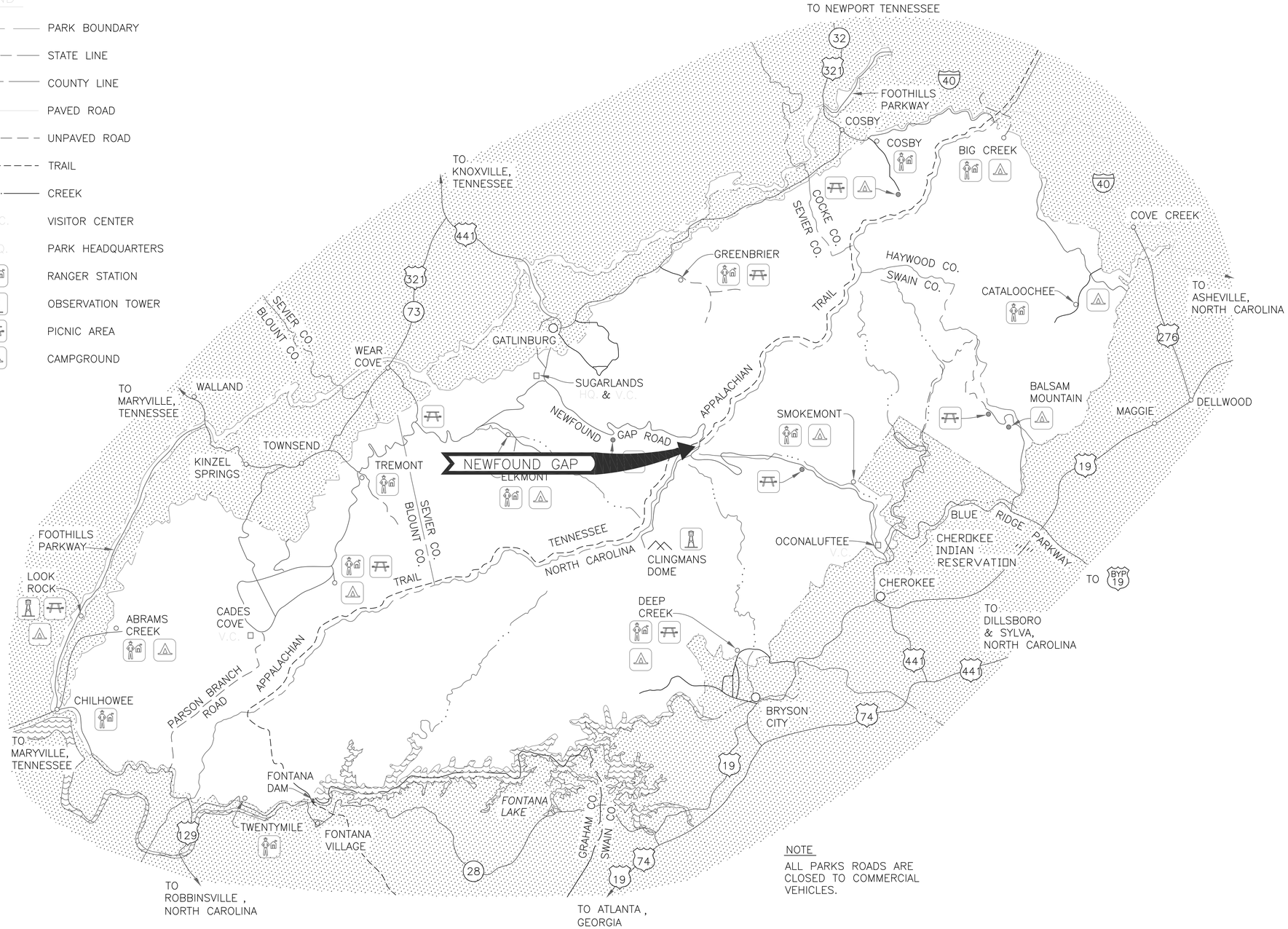
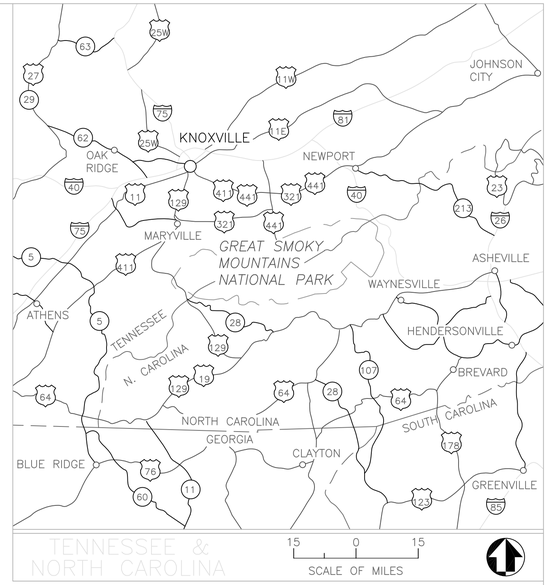
LEGEND

- PARK BOUNDARY
- STATE LINE
- COUNTY LINE
- PAVED ROAD
- UNPAVED ROAD
- TRAIL
- CREEK
- V.C. VISITOR CENTER
- HQ. PARK HEADQUARTERS
- RANGER STATION
- OBSERVATION TOWER
- PICNIC AREA
- CAMPGROUND



NOTE

ALL PARKS ROADS ARE CLOSED TO COMMERCIAL VEHICLES.



SHEET	SUB SHEET	TITLE OF SHEET
1	G0	COVER SHEET AND INDEX OF DRAWINGS
2	G1	LEGEND AND NOTES
3	G2	SITE SURVEY
4	C1	WASTEWATER SYSTEM REHABILITATION, PLAN & PROFILE
5	C2	WW SYSTEM REHABILITATION, WASTEWATER DRAINFIELD, EXISTING CONDITIONS
6	C3	WW SYSTEM REHABILITATION, PROPOSED CONDITIONS
7	C4	WASTEWATER SYSTEM REHABILITATION, MISCELLANEOUS DETAILS
8	C5	WASTEWATER SYSTEM REHABILITATION, DOSING TANK DETAILS

CONTACT PERSON: BARBARA HATCHER, P.E.
CHIEF – FACILITIES MANAGEMENT DIVISION
PHONE: 865–206–9665

SCALE OF MILES
2 0 2 4 6
2 0 2 4 6 8
SCALE OF KILOMETERS

GREAT SMOKY MOUNTAINS NATIONAL PARK
WORLD HERITAGE SITE

WASTEWATER IMPROVEMENTS: PMIS #304884

BASIC DATA:

Mark	Sheet	REVISION	Date	Initial

CONSTRUCTION DRAWINGS

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE
GREAT SMOKY MOUNTAINS NATIONAL PARK

TITLE OF DRAWING
WASTEWATER SYSTEM REHABILITATION PROJECT

LOCATION WITHIN PARK
NEWFOUND GAP AREA
NAME OF PARK
GREAT SMOKY MOUNTAINS NATIONAL PARK

REGION	COUNTY	STATE
SE	SWAIN	NC

DRAWING NO. 133 60155

PKG. NO. ——

SHEET 1 OF 8

GENERAL NOTES

1. COMMERCIAL VEHICLES MUST ENTER AND LEAVE THE PARK AT THE CLOSEST COMMERCIALLY ACCESSIBLE ENTRANCE TO THE PROJECT.

2. THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. (ALL UTILITIES MAY NOT BE SHOWN.)
THE PARK SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO START OF ANY EXCAVATION.

3. ALL OLD PIPE ENCOUNTERED IN THE TRENCH SHALL BE REMOVED AND DISPOSED OFF.

4. ALL MINOR OBSTRUCTIONS MAY NOT BE SHOWN ON PLANS. THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE ACTUAL CONDITIONS WITH REGARD TO THE EXISTENCE OF FENCES, SIGNS, DRIVEWAYS, TREES, BOULDERS, SIDEWALKS, CULVERTS, UTILITIES AND OTHER MISCELLANEOUS OBSTACLES THAT MAY INTERFERE WITH CONSTRUCTION PRIOR TO SUBMITTING BIDS.

5. SYMBOLS ON THE DRAWINGS (BECAUSE OF THEIR SIZE) MAY NOT REPRESENT THE EXACT LOCATION OF EITHER PROPOSED OR EXISTING UTILITIES. (EX. GATE VALVES & HYDRANTS)

6. TOPO IS SHOWN AS A REFERANCE AND IS NOT SUITABLE FOR DESIGN CALCULATIONS. ALL ELEVATION MEASUREMENTS SHOULD BE FIELD VERIFIED

7. NA - ALL ROADWAY CROSSINGS SHALL HAVE A MAXIMUM 4 FOOT WIDTH IN THE DIRECTION OF TRAVEL WITH ALL CUTS BEING MADE PERPENDICULAR TO THE DIRECTION OF TRAVEL PAVEMENT REPLACEMENT SHALL MATCH EXISTING IN ASPHALT AND STONE THICKNESS

8. NA - ALL TRENCHES CROSSING ROADWAYS SHALL BE ENTIRELY BACKFILLED WITH AN APPROVED ROAD AGGREGATE - NO. 57 STONE UP TO SUBGRADE. MATCH EXISTING PAVEMENT SECTION.

9. NA - WATER MAINS AND SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM OF 3 FEET OF COVER UNLESS OTHERWISE INDICATED. WATERLINES UNDER PAVEMENT SHALL HAVE 4 FEET OF COVER.

10. TRENCHES GREATER THAN 4 FEET DEEP WILL REQUIRE SHORING, TRENCH BOX, OR SLOPING

11. ALL 4" AND LARGER PIPE THAT IS ABANDONED IN PLACE SHALL BE CAPPED (FERNCO TYPE CAP, CONCRETE, GRAVEL AND FABRIC ACCEPTABLE)

LEGEND

EXISTING		PROPOSED			GENERAL
	SEWER				BENCHMARK
	SEWER MAIN				IRON PIN
	SEWER SERVICE LINE				CARSONITE MARKER
	SEWER FORCE MAIN			750	CONTOUR LINE
SFSL	SEWER FORCE SERVICE LINE	SFSL SFSL			CULVERT
	SEWER MANHOLES				DIRECTIONAL DRILLING
	ONE-WAY CLEANOUT			x	FENCE
	TWO-WAY CLEANOUT			FO	FIBER OPTIC
	Sseptic TANK			G E T	GAS, ELECTRIC, TELEPHONE
	LIFT STATION				LIGHT POLE
	DIRECTION OF FLOW				INSULATION
					POWER POLE
	WATER				PROPANE TANK
W W	WATER MAIN	W			PROPERTY LINE
WSL WSL	WATER SERVICE LINE	WSL WSL			RIGHT-OF-WAY
	GATE VALVES				ROAD (DIRT/GRAVEL)
	FIRE HYDRANT W/VALVE				ROAD (PAVED)
	FLUSH HYDRANT W/VALVE				ROAD BORING/CROSSING
	AIR RELEASE/VACUUM VALVE				SIGN
	SADDLE W/CORPORATION STOP			B.H.	SOIL BORING
	CURB STOP W/BOX				SWAMP
	INDIVIDUAL PRESSURE RELEASE VALVE			TEL	TELEPHONE PED
	YARD HYDRANT			TW	TRACING WIRE BOX
	METER PIT/BOX	M			TREE LINE
PT	IN-GROUND PRESSURE TANK	PT			TREE
	WELL	W			UTILITY RIGHT OF WAY
					WASH CROSSING

NOTE: REFER TO THE SURVEYORS LEGEND FOR EXISTING CONDITIONS.

PARK SPECIFIC POLICIES AND PROCEDURES

1. CONTRACTOR'S EQUIPMENT SHALL BE CLEANED PRIOR TO TRANSPORT INTO THE PARK TO PREVENT THE INTRODUCTION OF NON-NATIVE PLANT AND ANIMAL SPECIES INTO THE PARK.
2. ONLY PARK APPROVED SEED MIXTURE SHALL BE USED IN THE PARK.
3. HAY AND STRAW ARE NOT ALLOWED FOR USE AS MULCH MATERIALS.
4. ALL EROSIVE STOCKPILE AREAS SHALL BE PROTECTED FROM EROSION WITH SILT FENCE.
5. ANY COLORED CONCRETE THAT HAS TO BE REMOVED SHALL BE REPLACED WITH COLORED CONCRETE PER THE PARK SPECIFICATIONS.
6. CONTRACTOR SHALL PROVIDE A WRITTEN SAFETY PLAN PRIOR TO THE COMMENCEMENT OF WORK.
7. TREE CUTTING MAY BE DONE BETWEEN NOVEMBER 15 AND MARCH 31. ANY TREE CUTTING OUTSIDE OF THOSE DATES SHALL REQUIRE A "BAT SURVEY". COORDINATE WITH THE COR AS NECESSARY.
8. STONE, INCLUDING MINERAL AGGREGATE BASE COURSE, NO. 57 STONE, TOPSOIL OR ANY OTHER MATERIAL PROPOSED FOR USE IN THE PARK SHALL BE CERTIFIED AS "WEED FREE".
9. NO EROSION CONTOL MATTING SHALL BE USED THAT CONTAINS ANY PLASTIC NETTING.

PROJECT NOTES

1. TREES TO BE REMOVED ARE NOT SPECIFICALLY NOTED. ROOT BALLS MAY BE LEFT IN THE WOODS ON-SITE. TREE TOPS SHALL BE GROUND UP AND THE MULCH MAY BE SPREAD ON-SITE TO DEPTHS OF NO MORE THAN 4 INCHES. TREE TRUNKS SHALL BE LAID FLAT IN THE WOODS. IF A TREE IS NOT LABELED, BUT IS IN THE CONSTRUCTION AREA, IT SHALL BE REMOVED AS PART OF THE SUBJECT CONTRACT AT NO ADDITIONAL COST.
2. CONSTRUCTION SCHEDULE
THE NEWFOUND GAP COMFORT STATION IS CLOSED BETWEEN DECEMBER 1 AND APRIL 10. WORK MAY BEGIN AT ANY TIME, BUT THE COMFORT STATION MUST REMAIN IN OPERATION IF WORK IS STARTED WHILE THE COMFORT STATION IS OPEN.
3. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ). WASTEWATER INSTALLATION SHALL BE DONE BY A CONTRACTOR LICENSED AS A UTILITY CONTRACTOR IN THE STATE OF NORTH CAROLINA.

UTILITIES

WATER AND SEWER
NATIONAL PARK SERVICE
107 PARK HEADQUARTERS RD
GATLINBURG, TN 37738
TELEPHONE: 865-436-1285

TELECOMMUNICATIONS
NATIONAL PARK SERVICE
107 PARK HEADQUARTERS RD
GATLINBURG, TN 37738
TELEPHONE: 865-436-1215

CONTACTS

ENGINEERING
NATIONAL PARK SERVICE
107 PARK HEADQUARTERS RD
GATLINBURG, TN 37738
COR JOE FEROWICH, P.E.
TELEPHONE: 865-436-1242

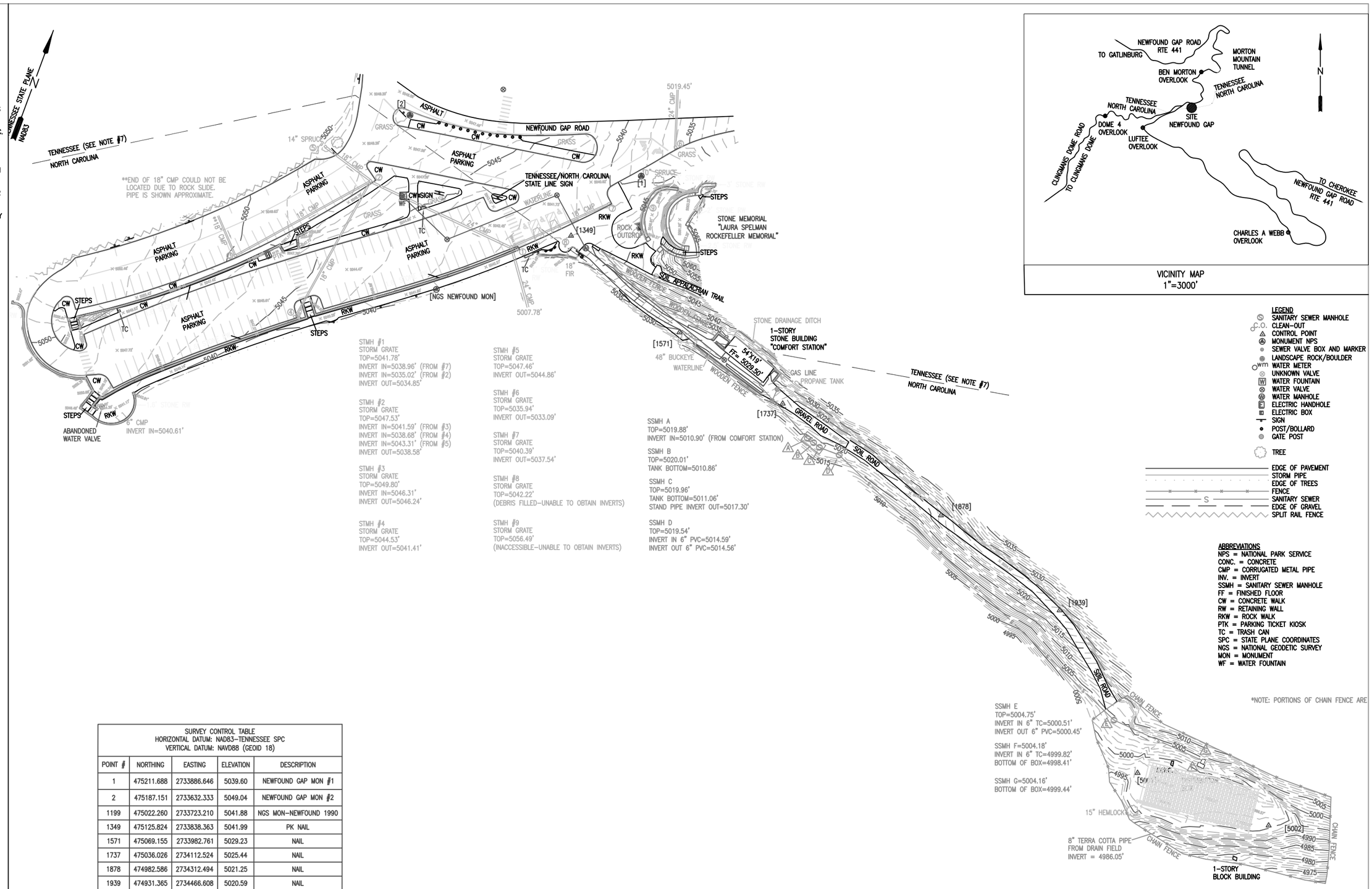
NATIONAL PARK SERVICE
107 PARK HEADQUARTERS RD
GATLINBURG, TN 37738
CHRIS REGO
TELEPHONE: 865-210-2623

PMIS NUMBER:304884
NEFOUND GAP WASTEWATER REHABILITATION

DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
JJF	G1	WASTEWATER SYSTEM REHABILITATION LEGEND AND NOTES	133 60151
CADD: JJF			PMIS/PKG NO. SEE ABOVE
TECH. REVIEW: JJF		NEWFOUND GAP GREAT SMOKY MOUNTAINS NATIONAL PARK	SHEET 2 OF 15
DATE: 9/13/24			

NOTES:

1. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF, JUSTIN LEWIS (TN LIC #3269) AND CHRISTOPHER B. KAKNIS (NC LIC. #4974) OF HURT & PROFFITT, INC. FROM AN ACTUAL GROUND SURVEY MADE UNDER OUR SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON JULY 8–11, 2024; AND THAT THIS PLAT, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
2. THIS TOPOGRAPHIC SURVEY IS ON HORIZONTAL DATUM: NAD83 TENNESSEE STATE PLANE; VERTICAL DATUM: NAVD88 (GEOID18).
3. THIS TOPOGRAPHIC SURVEY WAS PREPARED FROM A FIELD SURVEY CONDUCTED BY HURT & PROFFITT, INC. ON JULY 8–11, 2024 AND ONLY REFLECTS FIELD CONDITIONS AT THAT TIME.
4. UNDERGROUND UTILITIES SHOWN HEREON ARE COMPILED FROM ABOVE GROUND UTILITY EVIDENCE HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE. CONTRACTOR IS RESPONSIBLE FOR UTILITY LOCATION IN THE FIELD AND MUST CONTACT MISS UTILITY BEFORE CONSTRUCTION.
5. FINISH FLOOR ELEVATIONS SHOWN HEREON ARE TAKEN ON LOWEST FLOOR OF STRUCTURES, UNLESS NOTED HEREON.
6. CONTOUR INTERVAL = 1'
7. STATE LINE SHOWN APPROXIMATE USING USGS CLINGMANS DOME QUADRANGLE, DATED 2016, FOR DIRECTION AND ALIGNMENT AND HELD STATE LINE SIGN FOR LOCATION.



STMH #1
STORM GRATE
TOP=5041.78'
INVERT IN=5038.96' (FROM #7)
INVERT IN=5035.02' (FROM #2)
INVERT OUT=5034.85'

STMH #2
STORM GRATE
TOP=5047.53'
INVERT IN=5041.59' (FROM #3)
INVERT IN=5038.68' (FROM #4)
INVERT IN=5043.31' (FROM #5)
INVERT OUT=5038.58'

STMH #3
STORM GRATE
TOP=5049.80'
INVERT IN=5046.31'
INVERT OUT=5046.24'

STMH #4
STORM GRATE
TOP=5044.53'
INVERT OUT=5041.41'

STMH #5
STORM GRATE
TOP=5047.46'
INVERT OUT=5044.86'

STMH #6
STORM GRATE
TOP=5035.94'
INVERT OUT=5033.09'

STMH #7
STORM GRATE
TOP=5040.39'
INVERT OUT=5037.54'

STMH #8
STORM GRATE
TOP=5042.22'
(DEBRIS FILLED–UNABLE TO OBTAIN INVERTS)

STMH #9
STORM GRATE
TOP=5056.49'
(INACCESSIBLE–UNABLE TO OBTAIN INVERTS)

SSMH A
TOP=5019.88'
INVERT IN=5010.90' (FROM COMFORT STATION)

SSMH B
TOP=5020.01'
TANK BOTTOM=5010.86'

SSMH C
TOP=5019.96'
TANK BOTTOM=5011.06'
STAND PIPE INVERT OUT=5017.30'

SSMH D
TOP=5019.54'
INVERT IN 6" PVC=5014.59'
INVERT OUT 6" PVC=5014.56'

SSMH E
TOP=5004.75'
INVERT IN 6" TC=5000.51'
INVERT OUT 6" PVC=5000.45'

SSMH F=5004.18'
INVERT IN 6" TC=4999.82'
BOTTOM OF BOX=4998.41'

SSMH G=5004.16'
BOTTOM OF BOX=4999.44'

VICINITY MAP
1"=3000'

LEGEND
- SANITARY SEWER MANHOLE
- C.O. CLEAN–OUT
- CONTROL POINT
- MONUMENT NPS
- SEWER VALVE BOX AND MARKER
- LANDSCAPE ROCK/BOULDER
- WM WATER METER
- UNKNOWN VALVE
- W WATER FOUNTAIN
- WATER VALVE
- WATER MANHOLE
- ELECTRIC HANDHOLE
- ELECTRIC BOX
- SIGN
- POST/BOLLARD
- GATE POST
- TREE
- EDGE OF PAVEMENT
- STORM PIPE
- EDGE OF TREES
- FENCE
- S SANITARY SEWER
- EDGE OF GRAVEL
- SPLIT RAIL FENCE

ABBREVIATIONS
NPS = NATIONAL PARK SERVICE
CONC. = CONCRETE
CMP = CORRUGATED METAL PIPE
INV. = INVERT
SSMH = SANITARY SEWER MANHOLE
FF = FINISHED FLOOR
CW = CONCRETE WALK
RW = RETAINING WALL
RKW = ROCK WALK
PTK = PARKING TICKET KIOSK
TC = TRASH CAN
SPC = STATE PLANE COORDINATES
NGS = NATIONAL GEODETIC SURVEY
MON = MONUMENT
WF = WATER FOUNTAIN

SURVEY CONTROL TABLE
HORIZONTAL DATUM: NAD83–TENNESSEE SPC
VERTICAL DATUM: NAVD88 (GEOID 18)

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	475211.688	2733886.646	5039.60	NEWFOUND GAP MON #1
2	475187.151	2733632.333	5049.04	NEWFOUND GAP MON #2
1199	475022.260	2733723.210	5041.88	NGS MON–NEWFOUND 1990
1349	475125.824	2733838.363	5041.99	PK NAIL
1571	475069.155	2733982.761	5029.23	NAIL
1737	475036.026	2734112.524	5025.44	NAIL
1878	474982.586	2734312.494	5021.25	NAIL
1939	474931.365	2734466.608	5020.59	NAIL
5001	474797.239	2734604.809	4997.36	NAIL
5002	474793.079	2734755.594	4995.32	NAIL

50 25 0 50 100 150
SCALE IN FEET

CHRISTOPHER B. KAKNIS:
REGISTRATION #4974
1861 PRATT DR.
SUITE 1100
BLACKSBURG, VA 24060

JUSTIN LEWIS:
REGISTRATION #3269
1861 PRATT DR.
SUITE 1100
BLACKSBURG, VA 24060

REVISIONS	BY	DATE

HORIZONTAL DATUM: NAD83 TENNESSEE STATE PLANE

VERTICAL DATUM: NAVD88 (GEOID18)

50 25 0 50 100 150
SCALE IN FEET
CONTOUR INTERVAL = 1'

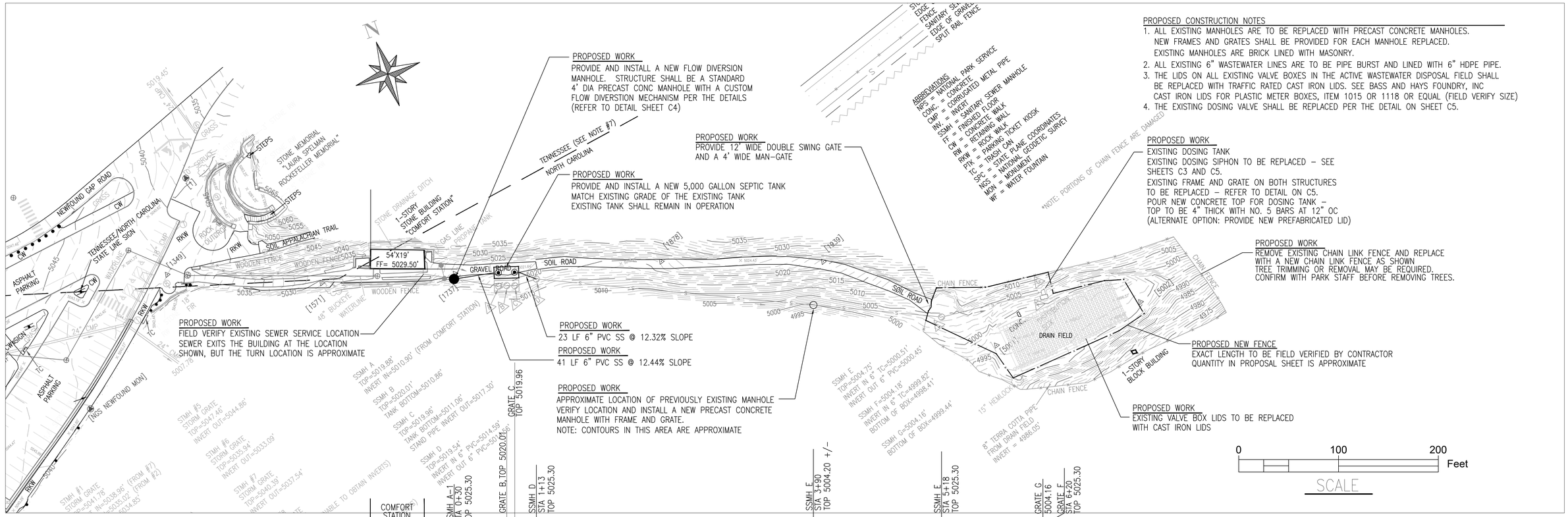
UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
DENVER SERVICE CENTER

A–E FIRM
NAME:HURT & PROFFITT
CITY, STATE: BLACKSBURG, VIRGINIA
CONTRACT NUMBER: PMIS NO. 291751

FIELD WORK: MLC
DRAWN: JEL
DATE:03 SEPT 2024
CHECKED: NAM & CBK

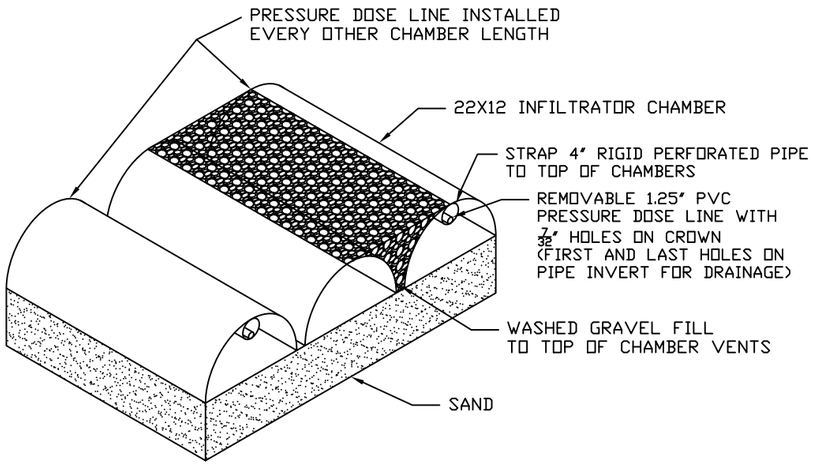
TOPOGRAPHIC SURVEY
NEWFOUND GAP OVERLOOK
GREAT SMOKY MOUNTAINS NATIONAL PARK
SWAIN COUNTY, NORTH CAROLINA

DRWG NO.	SHEET	DRAWING NO.
G2	3 OF 8	133 60155

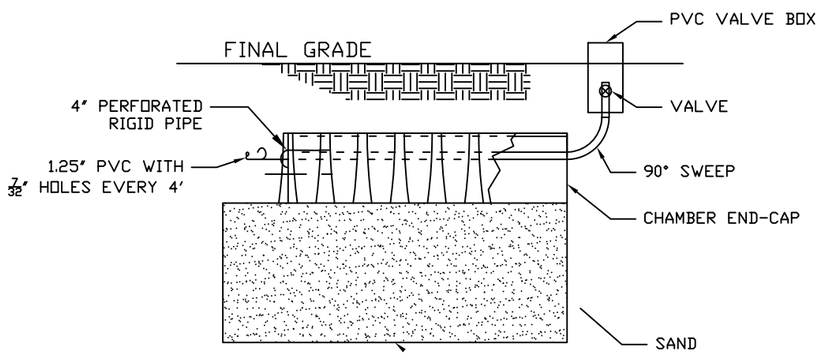


DESIGNED: JJF DRAWN: JJF TECH. REVIEW: CR DATE: 1/28/2026	SUB SHEET NO. C1	TITLE OF SHEET WASTEWATER SYSTEM REHABILITATION PLAN & PROFILE VIEWS NEWFOUND GAP OVERLOOK GREAT SMOKY MOUNTAINS NATIONAL PARK	DRAWING NO. 133 60155 PKG. NO. – SHEET 4 OF 8

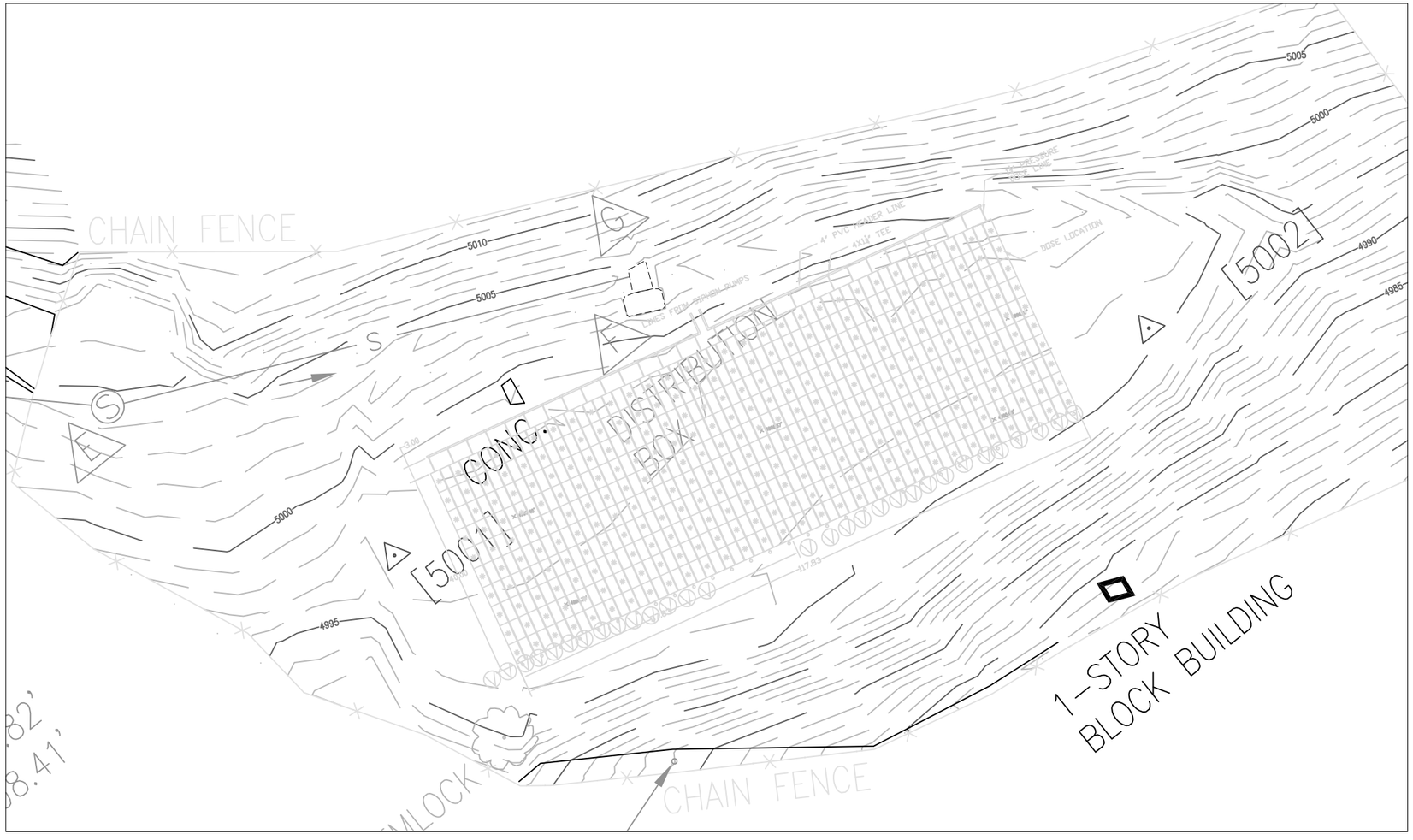
EXISTING CONDITIONS:

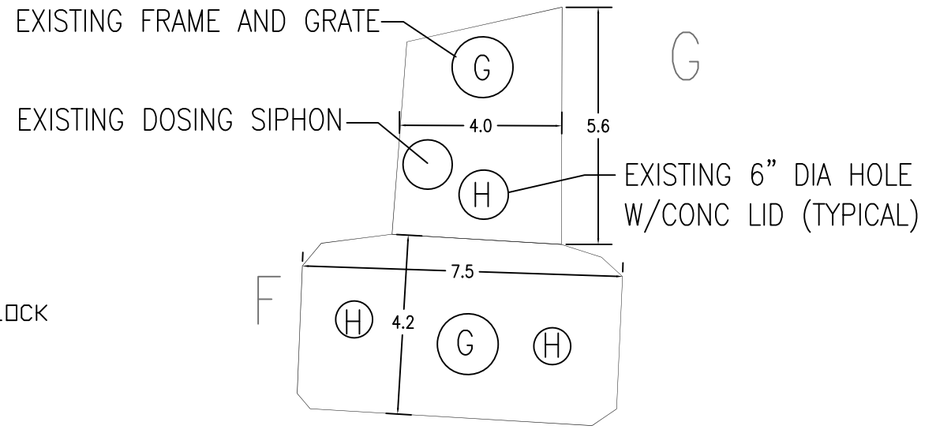


ISOMETRIC VIEW OF SYSTEM



SECTIONAL VIEW OF SYSTEM





DOSING TANK LID DETAILS

NOTES:
1. THE EXISTING SUBSURFACE WASTEWATER DISPOSAL FIELD IS NOT TO BE DISURBED.

EXISTING CONDITIONS:

- TWO FIELDS OF 15 40' PRESSURE DOSED CHAMBER LINES
- 300 DOSING CHAMBERS + 290 BLANK CHAMBERS = 590 CHAMBERS
- CHAMBER TYPE = INFILTRATOR SYS INC. QUICK4 EQ36 STRAIGHTLOCK
- 4' X 4' GRID DOSING
- MINIMUM 1' COVER OVER CHAMBERS
- ~175 CF WASHED GRAVEL FILL ABOVE CHAMBER SIDE VENTS
- 1290 LF 1¼" PVC SCH 80
- 1200 LF 4" RIGID PERFORATED PIPE
- 60 LF 4" HEADER PVC SCH 80
- 30 4X1¼" TEES

DESIGNED: JJF CADD: JJF TECH. REVIEW: CR DATE: 9/13/24	SUB SHEET NO. C2	TITLE OF SHEET WW SYSTEM REHABILITATION WASTEWATER DRAINFIELD EXISTING CONDITIONS NEW FOUND GAP OVERLOOK GREAT SMOKY MOUNTAINS NATIONAL PARK	DRAWING NO. 133 60155 PKG. NO. — SHEET 5 OF 5

NEW STANDARD CONCRETE BOX LID WITH TYPICAL MANHOLE 24" DIAMETER FRAME AND GRATE.

NEW STANDARD CONCRETE BOX LID WITH 36" X 36" ALUMINUM HATCHE – SEE DETAIL SHEET FOR HATCH DETAILS

NOTE: NEW CONC LIDS MAY BE POURED IN PLACE.

5.6'

4.0'

7.5'

4.2'

INSTALL NEW DUPLEX DOSING SIPHONS IN EXISTING BOX F
SEE DETAIL SHEET FOR DOSING SIPHON DETAILS
REPLUMB PIPING AS NECESSARY – REMOVE EXISTING DOSING SIPHONS
NOTE: THE BOTTOM OF ONE SIPHON SHALL BE 1" HIGHER THAN THE SECOND DOSING SIPHON.

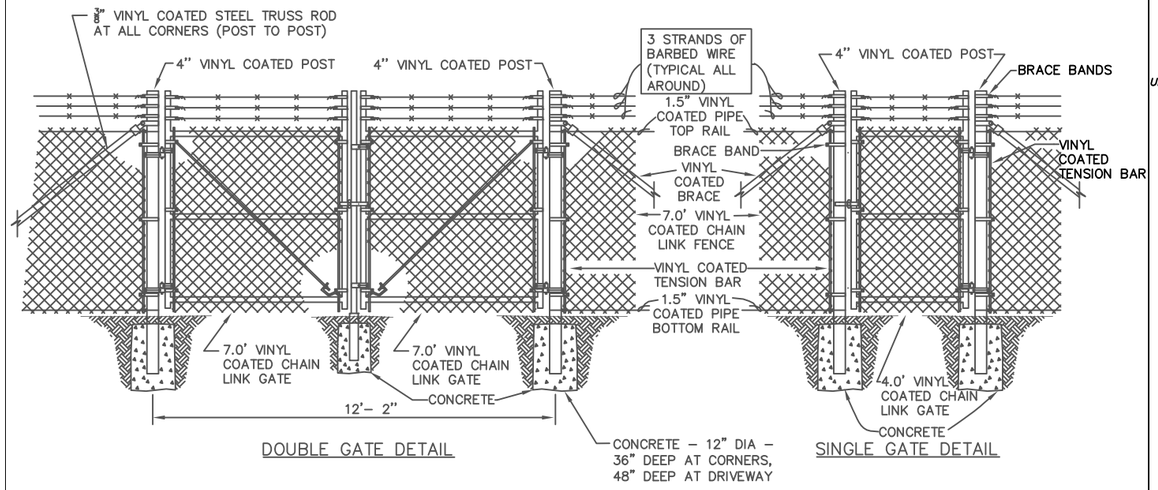
4" PVC, SDR-35
CONNECT TO EXISTING LINES

EXIST 4" PVC LINES

REPLACE EXISTING PLASTIC VALVE BOX LIDS
WITH CAST IRON LIDS – ALL VALVE BOXES

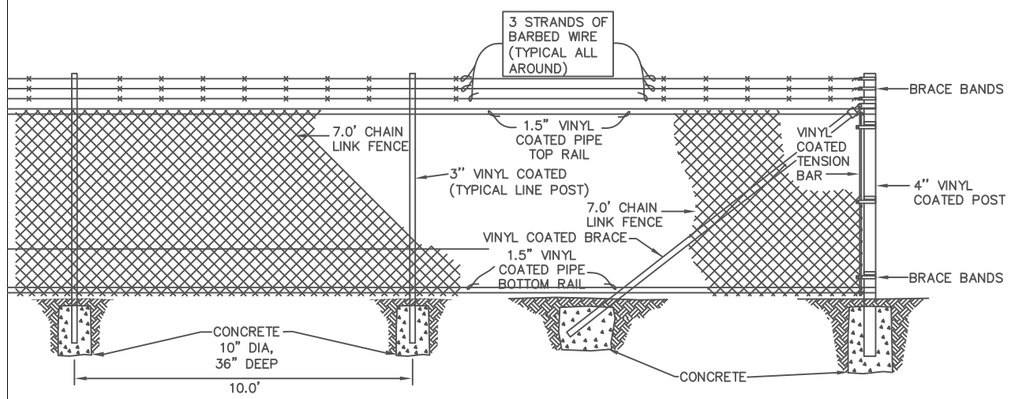
NOTES:
1. THE EXISTING SUBSURFACE WASTEWATER DISPOSAL FIELD IS NOT TO BE DISTURBED.

DESIGNED: JJF DRAWN: JJF TECH. REVIEW: CR DATE: 9/13/24	SUB SHEET NO. C3	TITLE OF SHEET WW SYSTEM REHABILITATION WASTEWATER DRAINFIELD PROPOSED CONDITIONS NEWFOUND GAP OVERLOOK GREAT SMOKY MOUNTAINS NATIONAL PARK	DRAWING NO. 133 60155 PKG. NO. – SHEET 6 OF 8



DOUBLE GATE DETAIL

SINGLE GATE DETAIL

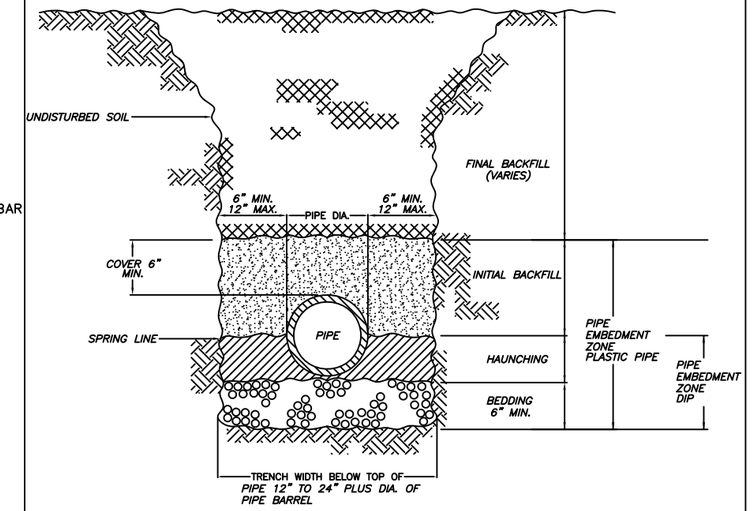


LINE POST DETAIL

CORNER POST DETAIL

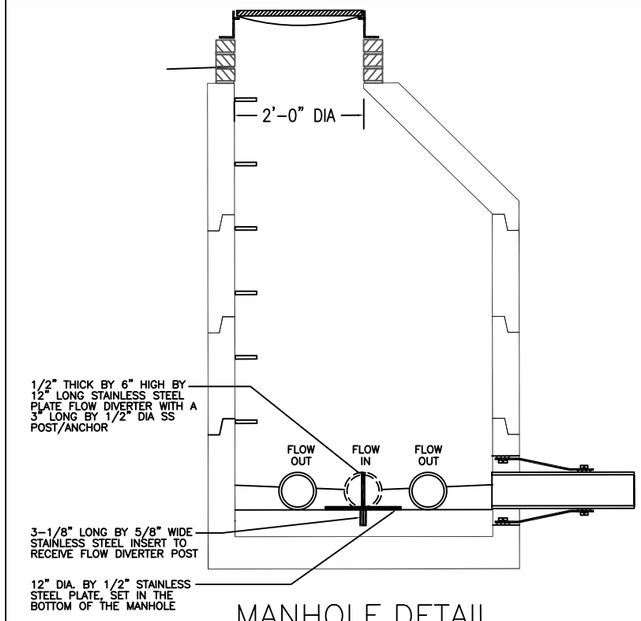
FENCE NOTES: ALL POSTS, RODS AND CHAINLINK SHALL BE BROWN VINYL COATED – COLOR TO BE MP 62376, NPS 1615 BROWN

CHAIN LINK FENCE DETAIL



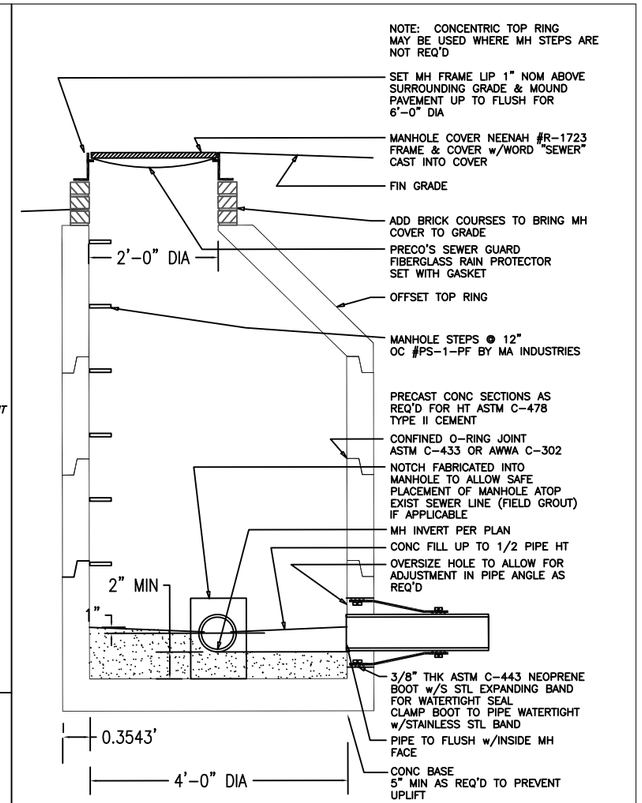
UTILITY PIPE TRENCH DETAIL

NOTES: PIPE EMBEDMENT ZONE SHALL BE OF NON–NATIVE MATERIALS AS APPROVED BY PARK. SAND, SCREENINGS, #57 STONE ARE ACCEPTABLE. TRACING WIRE AND WARNING TAPE NOT SHOWN

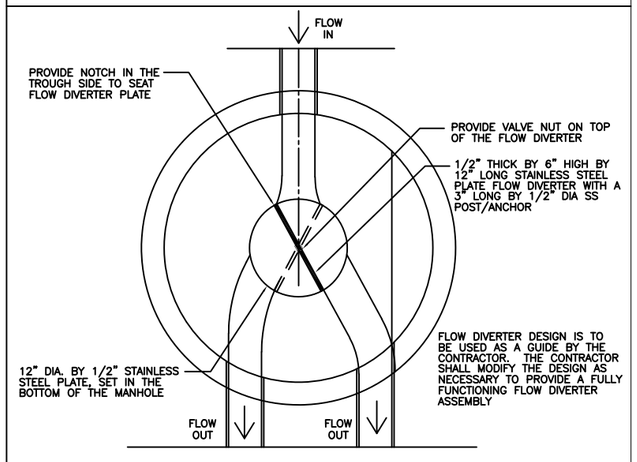


MANHOLE DETAIL

REFER TO PLAN VIEW FOR ADDITIONAL FLOW DIVERTER DETAILS



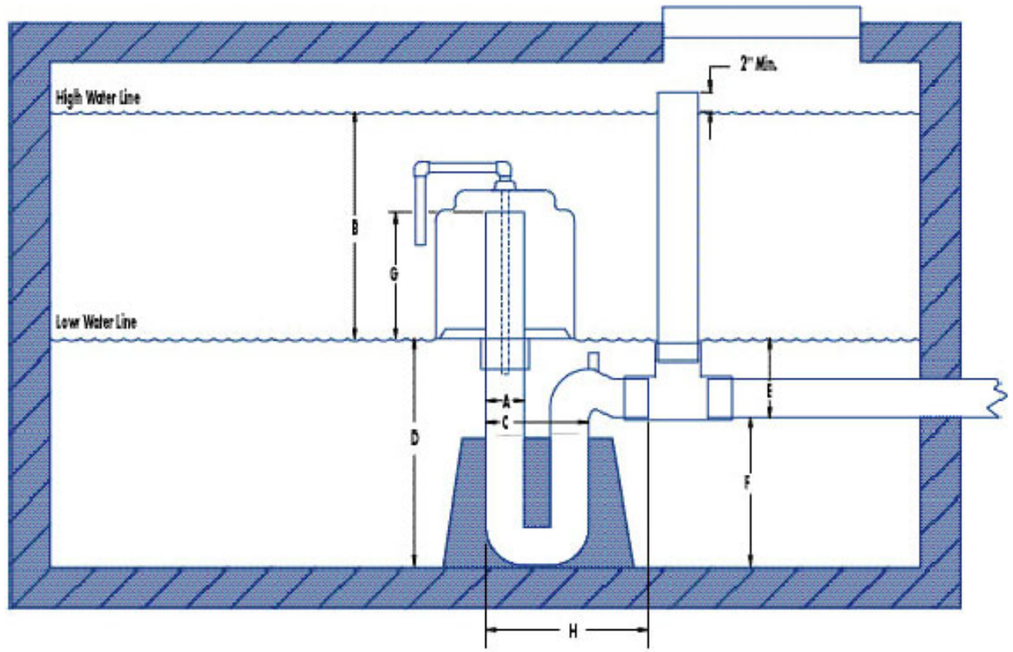
MANHOLE DETAIL



FLOW DIVERTER – PLAN VIEW

DESIGNED: JJF CADD JJF TECH. REVIEW: CR DATE: 9/13/24	SUB SHEET NO. C4	TITLE OF SHEET WASTEWATER SYSTEM REHABILITATION MISCELLANEOUS DETAILS NEW FOUND GAP OVERLOOK GREAT SMOKY MOUNTAINS NATIONAL PARK	DRAWING NO. 133 60155 PKG. NO. – – – SHEET 7 OF 8

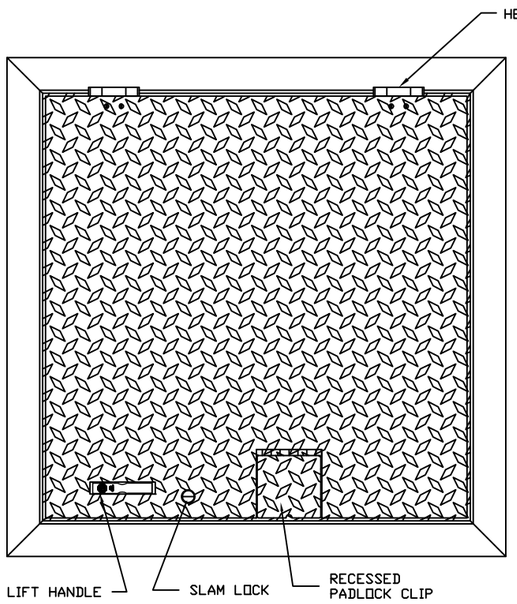
Diagram of Dosing Siphon Specifications

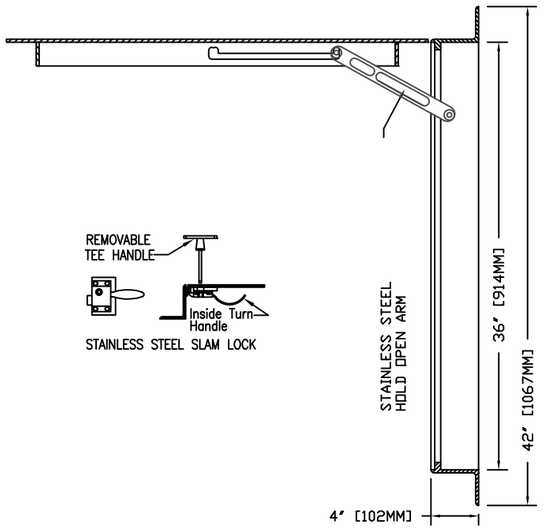


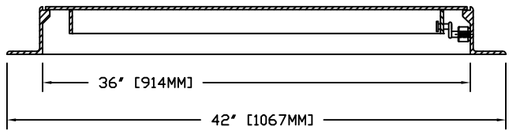
4" Dosing Siphon with 17" Draw Down

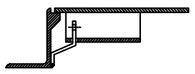
Model	*417*
Diameter (A)	*4"*
Draw Down (B)	*17"*
Application	*Sewage Dosing Siphon*
Price	*Call for Pricing*
Photo	*N/A*
Outlet Size	*4.2"*
Optional Outlet	*4" MNPT*
Width of Trap (C)	*10.5"*
Bottom of Trap to Low Water Line (D)	*22.5"*
Bottom of Discharge to Low Water Line (E)	*7.5"*
Bottom of Trap to Bottom of Discharge (F)	*15"*
Height of Trap Above Low Water Line (G)	*8.3"*
Trap to Discharge (H)	*16.5"*
Average Discharge Rate	*150 GPM*
Flow Rate at Low Water	*100 GPM*

TLN1 Top Mount Pedestrian Rated Hatch









RECESSED PADLOCK CLIP

STYLE "TLN1" ACCESS HATCH AS MANUFACTURED BY EJ.

MATERIAL SHALL BE 6061-T6 ALUMINUM FOR BARS, ANGLES, AND EXTRUSIONS. 1/4" DIAMOND PLATE SHALL BE 5086 ALUMINUM.

UNIT DESIGNED PEDESTRIAN RATED FOR A MINIMUM LIVE LOAD OF 300 LBS./SQ.FT.

DOOR SHALL BE EQUIPPED WITH A HOLD OPEN ARM. DOOR SHALL LOCK OPEN IN THE 90 DEGREE POSITION. HOLD OPEN ARM SHALL BE FASTENED TO THE FRAME WITH A 1/2" GRADE 316 STAINLESS STEEL BOLT.

COVER HINGES SHALL BE OF HEAVY DUTY DESIGN. MATERIAL SHALL BE GRADE 316 STAINLESS STEEL. HINGE SHALL BE FASTENED TO ANGLE AND DIAMOND PLATE WITH GRADE 316 STAINLESS STEEL BOLTS AND NY-LOCK NUTS.

ALL HARDWARE SHALL BE STAINLESS STEEL.

EACH HATCH SHALL BE SUPPLIED WITH A RECESSED PADLOCK CLIP (PADLOCK BY OTHERS).

EACH HATCH SHALL BE SUPPLIED WITH A GRADE 316 STAINLESS STEEL SLAM LOCK, WITH KEY WAY PROTECTED BY A THREADED PLUG. PLUG SHALL BE FLUSH WITH THE TOP OF THE 1/4" DIAMOND PLATE. SLAM LOCK SHALL BE FASTENED WITH FOUR GRADE 316 STAINLESS STEEL BOLTS AND WASHERS.

EACH HATCH SHALL BE EQUIPPED WITH AN ALUMINUM LIFT HANDLE. THE LIFT HANDLE SHALL BE FLUSH WITH THE TOP OF THE 1/4" DIAMOND PLATE.

Product Number
H36362512

Design Features
-Materials
Aluminum
-Design Load
Pedestrian Rated 300 psf

TLN1
-Coating
Mill Finish

Certification
NPR15-3890
Wt 77 lbs

-Country of Origin: Made in USA

Drawing Revision
08/21/12 Designer: RGB
10/05/15 Revised By: MAW

Disclaimer
Weights (lbs/kg), dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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800 626 4653
ejco.com

DESIGNED: JJF DRAWN: JJF TECH. REVIEW: CR DATE: 9/13/24	SUB SHEET NO. C5	TITLE OF SHEET WASTEWATER SYSTEM REHABILITATION DOSING TANK DETAILS NEW FOUND GAP OVERLOOK GREAT SMOKY MOUNTAINS NATIONAL PARK	DRAWING NO. 133 60155 PKG. NO. – SHEET 8 OF 8