



**GENERAL NOTES**

- THESE PLANS, SHEETS T-1 THROUGH H-1, HAVE BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PROCEDURES AND GUIDELINES, AND ARE IN SUBSTANTIAL COMPLIANCE WITH APPLICABLE STATUTES, CITY ORDINANCES OR STANDARDS. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE PLANS AND CITY OF RENO STANDARDS, THE STANDARDS SHALL APPLY AND THE ENGINEER SHALL BE CONTACTED IMMEDIATELY.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE BOOK "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (LATEST EDITION) ADOPTED AND DISTRIBUTED BY DOUGLAS COUNTY, DOUGLAS COUNTY DESIGN CRITERIA AND IMPROVEMENT STANDARDS, AND INCLUDING ANY ADDITIONS AND MODIFICATIONS THAT ARE SET FORTH IN THE DRAWINGS AND SPECIFICATIONS AND OTHER ORDINANCES AND REGULATIONS THAT MAY APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING PROCEDURES AND CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAILY REMOVAL OF ALL CONSTRUCTION MATERIALS SPILLED ON PAVED STREETS, ONSITE AND OFFSITE.
- THE CONTRACTOR SHALL PURSUE THE WORK IN A CONTINUOUS AND DILIGENT MANNER, CONFORMING TO ALL THE PERTINENT SAFETY REGULATIONS, TO INSURE A TIMELY COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL NOTIFY ALL ENTITIES INVOLVED (PUBLIC AND PRIVATE) 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, AND PROVIDE 48 HOURS PRIOR NOTICE FOR ALL SURVEYING AND INSPECTIONS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNING, BARRICADES AND TRAFFIC DELINEATION TO CONFORM TO THE STATE OF NEVADA, DEPARTMENT OF TRANSPORTATION, "NEVADA WORK ZONE TRAFFIC CONTROL MANUAL".
- THE WORK IN THIS CONTRACT INCLUDES ALL ONSITE AND OFFSITE WORK SHOWN ON THESE DRAWINGS, DESCRIBED IN THE SPECIFICATIONS, OR REASONABLY IMPLIED.
- SHOULD ANY PREHISTORIC OR HISTORIC REMAINS/ARTIFACTS BE DISCOVERED DURING SITE DEVELOPMENT, WORK SHALL TEMPORARILY BE HALTED AT THE SPECIFIC SITE AND THE DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, DIVISION OF HISTORIC PRESERVATION AND ARCHEOLOGY, SHALL BE NOTIFIED TO RECORD AND PHOTOGRAPH THE SITE. THE PERIOD OF TEMPORARY DELAY SHALL BE LIMITED TO A MAXIMUM OF TWO WORKING DAYS FROM THE DATE OF NOTIFICATION.
- ALL DIMENSIONS AND DISTANCES ARE TO BACK OF CURB, CURB RETURN, FACE OF BUILDING, FACE OF WALL, FLOW LINE, PROPERTY LINE, CENTER OF STRIPING, CENTER LINE OF PIPE, OR END OF IMPROVEMENTS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL, AT ALL TIMES DURING CONSTRUCTION, PROTECT FROM DAMAGE EXISTING IMPROVEMENTS ON AND AROUND THE SITE, INCLUDING, BUT NOT LIMITED TO, PAVEMENT, CURB & GUTTER, SIDEWALK, LANDSCAPING, SIGNAGE, STORM & SANITARY SEWERS, AND ALL UTILITIES. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE REPAIR OF ANY IMPROVEMENTS (EXISTING OR PROPOSED) DAMAGED THROUGHOUT THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES EMERGENCY ACCESS TO THE PROJECT SITE TO THE SATISFACTION OF THE TAHOE DOUGLAS FIRE PROTECTION DISTRICT.
- THE CONTRACTOR SHALL, UPON COMPLETION OF THE PROJECT, PREPARE AND SUBMIT TO THE OWNER RECORD DRAWINGS INDICATING BY DIMENSION AND DESCRIPTION ANY FACILITY CONSTRUCTED CONTRARY TO THAT SHOWN ON THESE PLANS.
- ALL QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND USED FOR PERMIT AND BOND PURPOSES ONLY. THEY SHALL NOT BE USED IN ANY WAY FOR BIDDING OR CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONDUCT QUANTITY TAKE-OFFS FOR BIDDING AND CONSTRUCTION PURPOSES.
- SHOULD AN OBVIOUS PROBLEM BE OBSERVED, THE ENGINEER OF RECORD SHALL BE INFORMED IMMEDIATELY, AND THE ENGINEER OF RECORD SHALL REQUIRE CORRECTIVE ACTION.
- THE CONTRACTOR SHALL COMPLY WITH ALL PERMITTING REQUIREMENTS AS ISSUED BY DOUGLAS COUNTY, THE KINGSBURY GENERAL IMPROVEMENT DISTRICT (KGID), AND/OR TAHOE REGIONAL PLANNING AGENCY (TRPA).

**UTILITY NOTES**

- ALL WATER AND SEWER LINES SHALL HAVE A MINIMUM OF A 10' HORIZONTAL SEPARATION OR AN 18" VERTICAL SEPARATION AT CROSSINGS. IN THE EVENT THAT THE WATER MAIN IS TO CROSS BELOW OR WITHIN 18" OF THE SANITARY SEWER MAIN, THE SEWER MAIN SHALL BE DUCTILE IRON OR ENCASED IN CONCRETE FOR A MINIMUM OF 10' ON EITHER SIDE OF THE WATER MAIN.
- PVC SEWER PIPE SHALL BE CLASS SDR-35 UNLESS OTHERWISE NOTED AND CONFORM TO ASTM D3034. INSTALLATION SHALL BE IN ACCORDANCE WITH UNIBELL PLASTIC PIPE ASSOCIATION STANDARDS AND RECOMMENDED PRACTICES.
- ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES BEING TIED INTO SHALL BE EXPOSED TO CHECK FOR GRADE CONFORMANCE TO THOSE SHOWN ON THE PLANS. IF A DISCREPANCY OCCURS, CONTACT THE ENGINEER IMMEDIATELY BEFORE PROCEEDING.
- THE CONTRACTOR SHALL HAVE EXISTING UTILITIES LOCATED BY CALLING "USA" TOLL FREE AT 1-800-227-2600.
- ALL PVC WATER PIPE SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA C605-05.

**BASIS OF BEARINGS**

NEVADA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983/1994, HIGH ACCURACY REFERENCE NETWORK EXTENSION (NAD 83/94-HARN), AS DETERMINED USING REAL TIME KINEMATIC (RTK) GPS OBSERVATIONS WITH CORRECTIONS TRANSMITTED BY A GNSS BASE STATION FROM NEVADA DEPARTMENT OF TRANSPORTATION MONUMENT 162201. ALL DIMENSIONS SHOWN ARE GROUND DISTANCES. COMBINED GRID-TO-GROUND FACTOR = 1.00027957.

**BASIS OF ELEVATION**

THE BASIS OF ELEVATION IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NGVD 88) AS TAKEN FROM THE NDOT SURVEY MONUMENT LOCATION INFORMATION SYSTEM (Lois). BENCHMARK #162201 WITH AN ELEVATION OF 7,100.45'. REFERENCE MONUMENT "162201" IS DESCRIBED AS A 0.17 NHD ALLUM CAP ON REBAR, STAMPED "162201X". FROM THE "DAGGETT SUMMIT" SIGN @ MP SR207 3.2 GO E 0.55 MI TO ROAD ON RT. TURN RT & GO 200 TO STA ON LT(S), 24 S OF THE SEO ON TOP OF SLOPE & 5.5 N OF THE N END OF A SALT & PEPPER GRANITE BOULDER. POINT IS 47 E OF STA 791004A. AN ORANGE CARSONITE WP SET 3 S.

**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
		DRAIN MANHOLE
		SEWER MANHOLE
		DRAIN LINE AND SIZE
		CATCH BASIN
		SEWER LINE AND SIZE
		CLEAN OUT
		SEWER SERVICE
		WATER LINE AND SIZE
		RECLAIMED WATER LINE AND SIZE
		WATER LINE REDUCER
		WATER SERVICE
		RECLAIMED WATER IRRIGATION SERVICE
		WATER GATE VALVE
		FIRE HYDRANT
		AIR RELEASE VALVE
		FLUSH VALVE ASSEMBLY
		GAS, TELEPHONE OR ELECTRIC
		STREET LIGHT
		30' R1 SIGN (STOP)
		TRAFFIC SIGN AS NOTED
		CHAIN LINK FENCE
		CHAIN LINK GATE
		DRIVEWAY
		SIDEWALK RAMP
		PROPERTY LINE
		MONUMENT
		TREE TO BE REMOVED/RELOCATED
		SPOT ELEVATION
		WALL HEIGHTS TW=TOP OF WALL BW=BOTTOM OF WALL
		HEIGHT OF WALL
		GRADE BREAK

**ABBREVIATIONS**

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE PAVEMENT
AVRV	AIR VACUUM RELIEF VALVE
BC	BEGIN CURVE
BM	BENCH MARK
BVC	BEGIN VERTICAL CURVE
BOW	BACK OF WALL
BW	BOTTOM OF WALL
CB	CATCH BASIN
CL	CENTER LINE
CONST	CONSTRUCT
CR	CURB RETURN
CT	COURT
DIP	DUCTILE IRON PIPE
SDMH	STORM DRAIN MANHOLE
DR	DRIVE
E	EAST
EC	END CURVE
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
EXIST	EXISTING
EVC	END OF VERTICAL CURVE
FES	FLARED END SECTION
FG	FINISH GRADE ELEVATION
FH	FIRE HYDRANT
FL	FLOW LINE
FLG	FLANGE
FM	FORCE MAIN
FVA	FLUSH VALVE ASSEMBLY
GR	GRATE
GB	GRADE BREAK
GV	GATE VALVE
HP	HIGH POINT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
JP	JOINT POLE
L	LEFT
LF	LINEAR FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
N	NORTH
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PIVC	POINT OF INTERSECTION VERTICAL CURVE
PL	PROPERTY LINE
PP	POWER POLE
R, R=	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
PRC	POINT OF REVERSE CURVATURE
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
RCW	RECLAIMED WATER
R	RIGHT
RW	RIGHT OF WAY
S	SOUTH
SE	SANITARY SEWER EASEMENT
SHT	SHEET
STA	STATION
SS	SANITARY SEWER SERVICE
SSMH	SANITARY SEWER MANHOLE
SW	SIDEWALK
T	TANGENT
TBC,TC	TOP BACK OF CURB
TYP	TYPICAL
TP	TELEPHONE POLE
TW	TOP OF WALL
W	WEST
WM	WATER MAIN

DATE: DECEMBER 2017  
SCALE: H: N.T.S. V:  
DRAWN BY: STH  
DESIGNED BY: STH  
CHECKED BY: MAC

12/8/17

WOOD RODGERS  
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME  
1961 Corporate Boulevard  
Reno, NV 89502  
Tel 775.823.4068  
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IMPROVEMENT PLANS FOR  
**NORTH KINGSBURY TRAIL HEAD  
BATHROOM PROJECT**  
NOTES, LEGEND AND ABBREVIATIONS

DOUGLAS COUNTY NEVADA

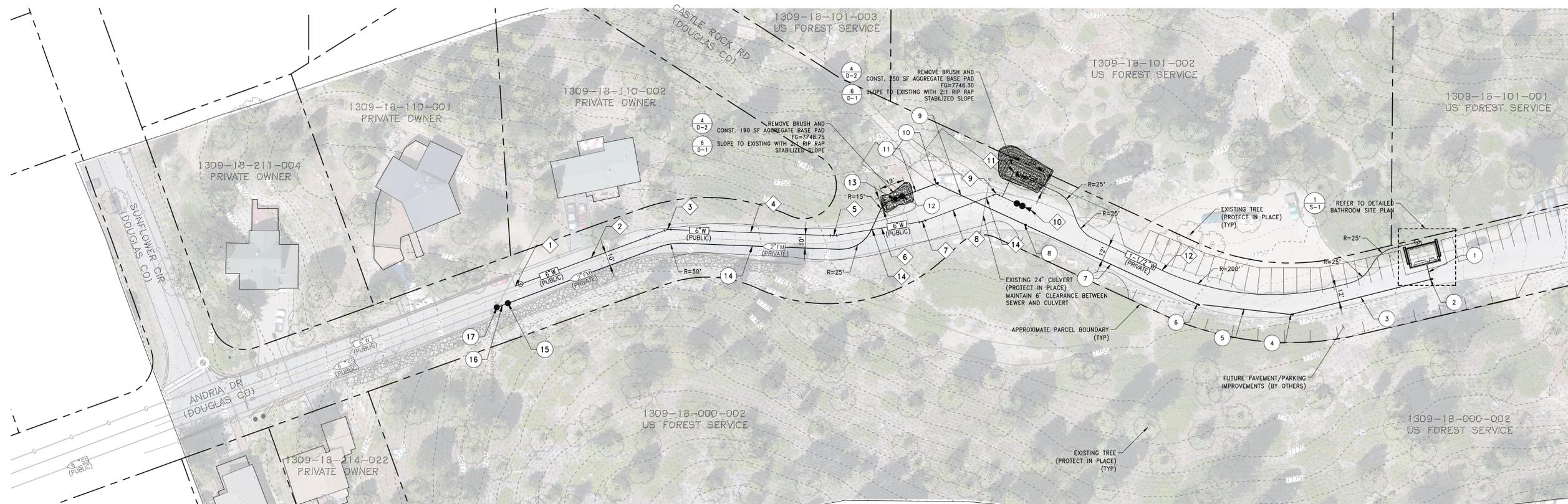
PROJECT NO.  
8063.011

DRAWING  
**N-1**

SHT 2 OF 12



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**SEWER CONSTRUCTION NOTES:**

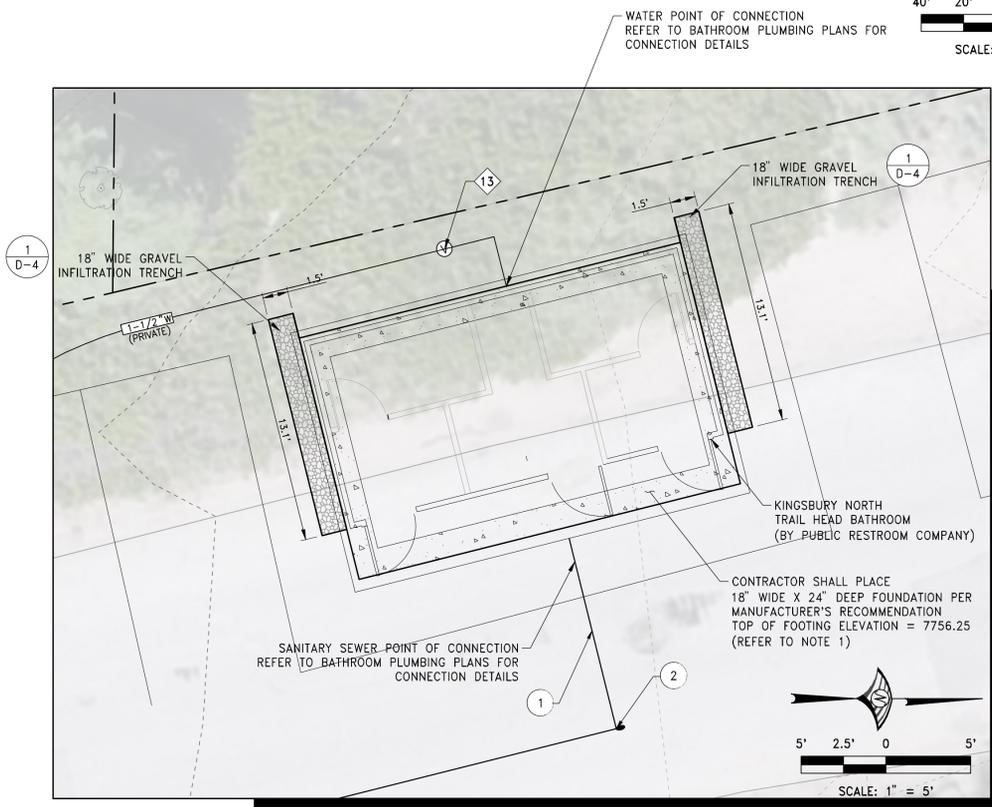
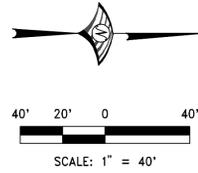
- 1 CONST. 12 LF OF 4" SDR35 PVC SEWER PIPE S=2.0% (PRIVATE) RIM=7751.97 IE(US)=7751.97 IE(DS)=7751.74
- 2 CONST. 4" SSCO (PRIVATE) RIM=7755.91 INV.=7751.74
- 3 CONST. 109 LF OF 4" SDR35 PVC SEWER PIPE S=3.0% (PRIVATE) IE(US)=7751.74 IE(DS)=7748.47
- 4 CONST. 4" SSCO (PRIVATE) RIM=7752.80 INV.=7748.47
- 5 CONST. 71 LF OF 4" SDR35 PVC SEWER PIPE S=3.0% (PRIVATE) IE(US)=7748.47 IE(DS)=7746.33
- 6 CONST. 4" SSCO (PRIVATE) RIM=7750.12 INV.=7746.33
- 7 CONST. 144 LF OF 4" SDR35 PVC SEWER PIPE S=3.0% (PRIVATE) IE(US)=7746.33 IE(DS)=7742.02
- 8 CONST. 4" SSCO (PRIVATE) RIM=7745.91 INV.=7742.02
- 9 CONST. 74 LF OF 4" SDR35 PVC SEWER PIPE S=1.0% (PRIVATE) IE(US)=7742.02 IE(DS)=7741.28
- 10 CONST. 4" SSCO (PRIVATE) RIM=7746.09 INV.=7741.28
- 11 CONST. 27 LF OF 4" SDR35 PVC SEWER PIPE S=1.0% (PRIVATE) IE(US)=7741.28 IE(DS)=7741.01
- 12 CONST. SANITARY LIFT STATION (PRIVATE) RIM=7744.37 INV.=7741.01 CONSTRUCT (4) BOLLARDS AROUND LIFT STATION AND EXTERNAL CONTROL PANEL ASSEMBLY
- 13 CONSTRUCT PIG VAULT
- 14 CONST. 325± LF OF 2" HDPE PIPE SANITARY FORCE MAIN (PRIVATE)
- 15 CONST. SSMH (48") (PRIVATE) RIM=7700.40± IE(IN)=7766.40 (2"-N) IE(OUT)=7765.38 (6"-S)
- 16 CONST. 9 LF OF 6" SDR35 PVC SEWER PIPE S=2.0% (PRIVATE) IE(US)=7765.38 IE(DS)=7764.42
- 17 CONST. SSMH (48") (PUBLIC) RIM=7769.14± IE(IN)=7765.42 (6"-N) IE(OUT)=7765.32 (6"-S)

**NOTES:**

1. FINAL PLACEMENT OF THE BATHROOM FACILITY IS DEPENDANT ON PARKING LOT IMPROVEMENTS (BY OTHERS) PER US FOREST SERVICE DESIGN AND CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH DOUGLAS COUNTY ON FINAL PLACEMENT OF THE BATHROOM FACILITY AND UTILITY CONNECTIONS.
2. SANITARY SEWER AND WATER IMPROVEMENTS NOTED AS "PUBLIC" REFER TO KINGSBURY GENERAL IMPROVEMENT DISTRICT (KGID) WHILE IMPROVEMENT NOTED AS "PRIVATE" WILL BE OWNED BY DOUGLAS COUNTY PARKS.
3. REFER TO ELECTRICAL PLANS BY NV ENERGY AND JENSEN ENGINEERING INC. FOR ELECTRICAL IMPROVEMENTS.
4. REFER TO PLANS BY PUBLIC RESTROOM COMPANY FOR RESTROOM FACILITY UTILITY POINTS OF CONNECTION, BUILDING FOUNDATION, AND BUILDING FOOTPRINT. REFER TO NOTE 1.
5. CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL PLANS FOR POWER TO THE BACKFLOW PREVENTION DEVICE ENCLOSURE (HOT BOX) AND SEWER LIFT STATION CONTROL PANEL.
6. EXISTING UTILITY TIE-IN INFORMATION HAS BEEN OBTAINED FROM LIMITED RECORD DRAWING INFORMATION AND FIELD OBSERVATIONS. CONTRACTOR SHALL VERIFY UTILITY LOCATIONS (HORIZONTAL AND VERTICAL) PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND BEFORE COMMENCING WORK.
7. CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS (PEDESTRIAN AND VEHICULAR) TO THE TRAIL HEAD AT ALL TIMES DURING CONSTRUCTION.
8. REFER TO SHEET D-2 FOR TRENCH, EXCAVATION, BACKFILL, AND PAVEMENT PATCH DETAILS.

**WATER CONSTRUCTION NOTES:**

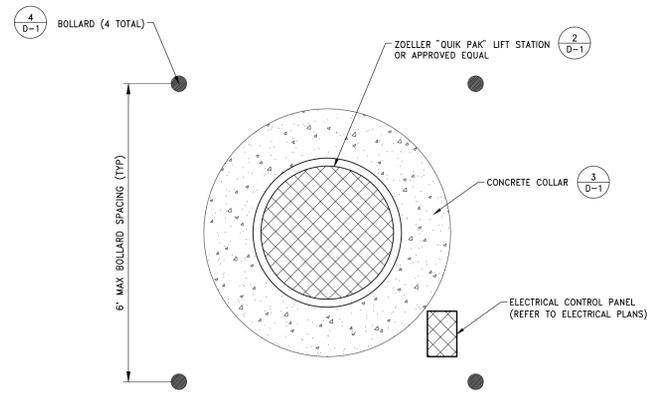
- 1 CONNECT TO EXISTING WATER MAIN W/ 6" PO GATE VALVE REMOVE EXISTING THRUST BLOCK (AS NECESSARY)
- 2 CONST. 123 LF OF 6" PVC C900 WATER MAIN (PUBLIC)
- 3 INSTALL 45" PUSH-ON ELBOW (6") W/ THRUST BLOCK
- 4 CONST. 126 LF OF 6" PVC C900 WATER MAIN (PUBLIC)
- 5 INSTALL 11.25' PUSH-ON ELBOW (6") W/ THRUST BLOCK
- 6 CONST. 68 LF OF 6" PVC C900 WATER MAIN (PUBLIC)
- 7 INSTALL 11.25' PUSH-ON ELBOW (6") W/ THRUST BLOCK
- 8 CONST. 60 LF OF 6" PVC C900 WATER MAIN (PUBLIC)
- 9 INSTALL 45" PUSH-ON ELBOW (6") W/ THRUST BLOCK
- 10 CONST. 15 LF OF 6" PVC C900 WATER MAIN (PUBLIC) INSTALL 6" FLUSH VALVE ASSEMBLY
- 11 REMOVE BRUSH INSTALL 1-1/2" SERVICE TAP 1" METER ASSEMBLY 1" BACKFLOW PREVENTION ASSEMBLY
- 12 INSTALL 345 LF OF 1-1/2" PE C901 WATER SERVICE PIPE (PRIVATE)
- 13 INSTALL 1-1/2" SHUTOFF VALVE, FULL PORT, RESILIENT SEATED BALL VALVE WITH 6" PVC VALVE OPERATING CONDUIT AND VALVE BOX
- 14 WATER CROSSING MAINTAIN 18" MIN SEPARATION W/ WATER OVER SEWER/STORM



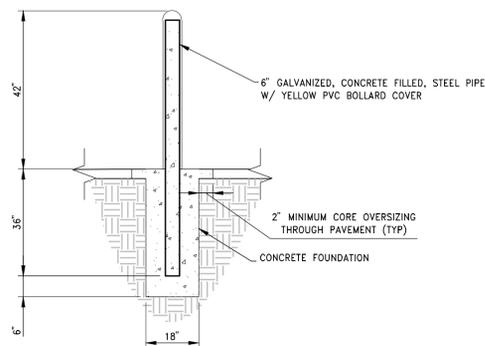
**1 S-1 BATHROOM DETAILED SITE PLAN**  
N.T.S.

DATE: DECEMBER 2017 SCALE: 1"=20' DRAWN BY: BAM DESIGNED BY: BAM CHECKED BY: BAM	NO. _____ DESCRIPTION _____ ENGR. INIT _____ DATE _____
<b>WOOD RODGERS</b> BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 1381 Corporate Boulevard Reno, NV 89502 Tel 775.823.4068 Fax 775.823.4066	
<b>NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT</b> IMPROVEMENT PLANS FOR DOUGLAS COUNTY <b>SITE AND UTILITY PLAN</b> NEVADA	
PROJECT NO. 8063.011	
DRAWING <b>S-1</b>	
SHT <b>3</b> OF <b>12</b>	

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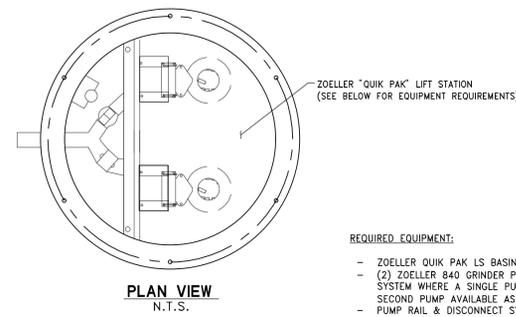


**1 SANITARY LIFT STATION**  
N.T.S.

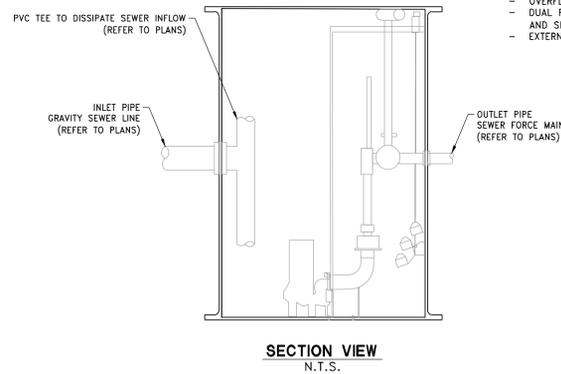


- NOTES:**
1. LOCATED NOT LESS THAN 3' FROM THE PROTECTED OBJECT.
  2. SPACED NOT MORE THAN 6' BETWEEN POSTS ON CENTER.
  3. PVC BOLLARD COVER TO BE SECURELY FASTENED PER MANUFACTURER'S RECOMMENDATIONS.
  4. CONCRETE SHALL HAVE THE FOLLOWING CHARACTERISTICS: 3000 PSI MIN COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX WATER-CEMENT RATION OF 0.45, AIR ENTRAINMENT EQUAL TO 6% ± 1.5%, SLUMP OF 1" TO 4". ALL MATERIALS SHALL CONFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

**4 BOLLARD**  
N.T.S.

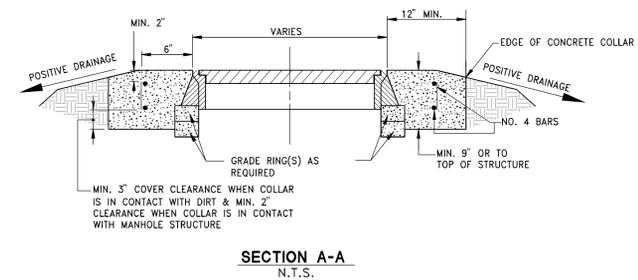
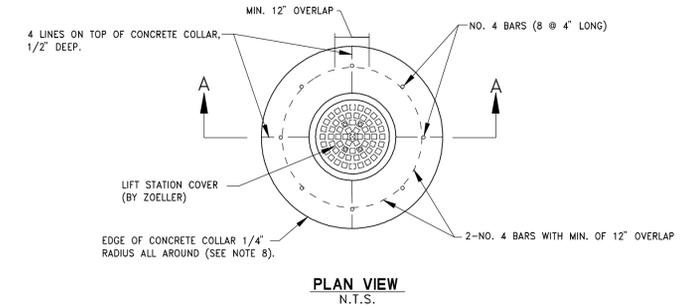


- REQUIRED EQUIPMENT:**
- ZOELLER QUIK PAK LS BASIN (36"x84") OR EQUAL
  - (2) ZOELLER 840 GRINDER PUMPS OR EQUAL DUAL PUMP SYSTEM WHERE A SINGLE PUMP CAN MEET DEMAND AND SECOND PUMP AVAILABLE AS STANDBY/BACKUP
  - PUMP RAIL & DISCONNECT SYSTEM
  - SS LIFTING BRACKET & CABLE
  - BALL VALVE
  - CHECK VALVE
  - FLOAT SWITCHES
  - OVERFLOW ALARM SYSTEM
  - DUAL PUMP SYSTEM WHERE A SINGLE PUMP CAN MEET DEMAND AND SECOND PUMP AVAILABLE AS STANDBY/BACKUP
  - EXTERNAL CONTROL PANEL



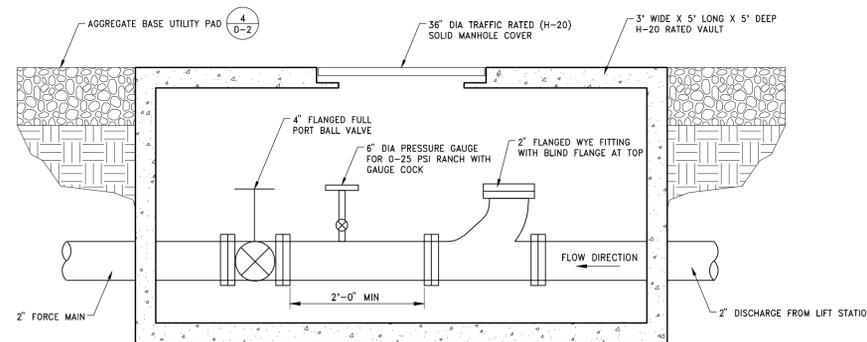
- NOTES:**
1. SHOULD CONTRACTOR CHOOSE TO SUBMIT ALTERNATE EQUIPMENT, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL PUMP EQUIPMENT, DESIGN CALCULATIONS, AND MANUFACTURER SPECIFICATIONS FOR REVIEW AND COUNTY APPROVAL PRIOR TO ORDERING MATERIALS FOR EQUIPMENT CAPABLE OF YEAR ROUND OPERATION, 14 GPM MAX DAY INFLOW, AND DESIGN FLOW OF 42 GPM.

**2 ZOELLER "QUIK PAK" LIFT STATION (OR APP'D EQUAL)**  
N.T.S.

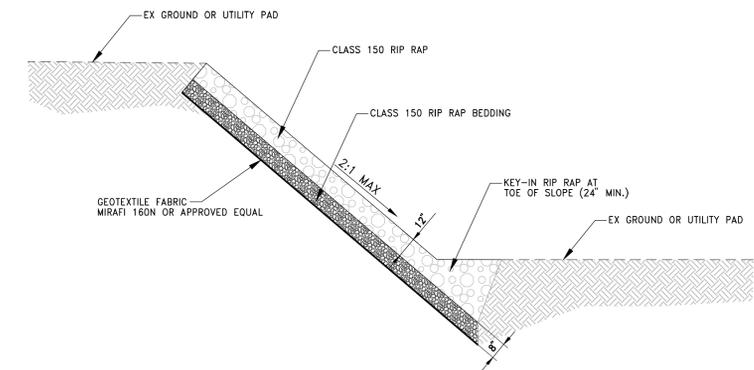


- NOTES:**
1. A CAST-IN-PLACE CONCRETE COLLAR SHALL BE PLACED AROUND A MANHOLE FRAME UNLESS OTHERWISE DIRECTED. CONCRETE SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX WATER-CEMENT RATION OF 0.45, AIR ENTRAINMENT EQUAL TO 6% ± 1.5%, SLUMP OF 1" TO 4". MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC). CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE COARSE AGGREGATE GRADATION CONFORMING TO SIZE NO. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE PCC AT 1.5 LBS PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC.
  2. CONCRETE COLLARS MAY BE Poured ROUND, OR ANY OTHER APPROPRIATE SHAPE WHEN APPROVED BY THE ENGINEER.
  3. COMMERCIAL PREFABRICATED GRADE RINGS FOR MANHOLES SHALL CONFORM TO AASHTO M 199 (ASTM C-478).

**3 SEWER LIFT STATION CONCRETE COLLAR**  
N.T.S.



**5 PIG VAULT**  
N.T.S.



- NOTES:**
1. RIP RAP SHALL CLOSELY MATCH SURROUNDING COLORS. COLORS SHOULD BE SELECTED FROM THE MUNSELL COLORS LISTED IN APPENDIX G, TRPA APPROVED RANGE OF EARTH-TONED COLORS, OF THE TRPA DESIGN REVIEW GUIDELINES.

**6 RIP RAP STABILIZED SLOPE**  
N.T.S.

NO.	DESCRIPTION	ENGR. NO.	DATE

DATE: DECEMBER 2017  
SCALE: H: N.T.S. V:  
DRAWN BY: STH  
DESIGNED BY: STH  
CHECKED BY: MAC

**WOOD RODGERS**  
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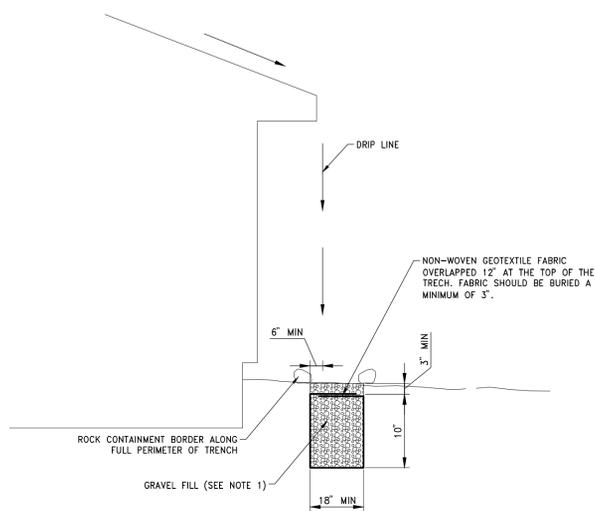
IMPROVEMENT PLANS FOR  
**NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT**  
DETAIL SHEET

DOUGLAS COUNTY NEVADA

PROJECT NO. 8063.011  
DRAWING D-1  
SHT 4 OF 12

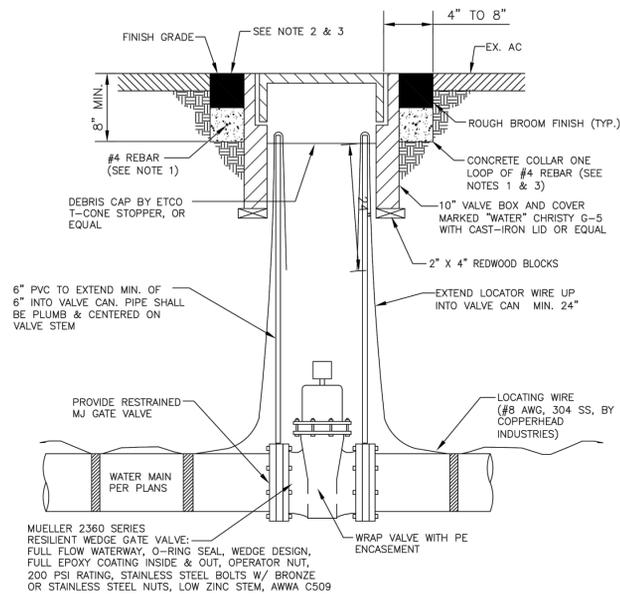
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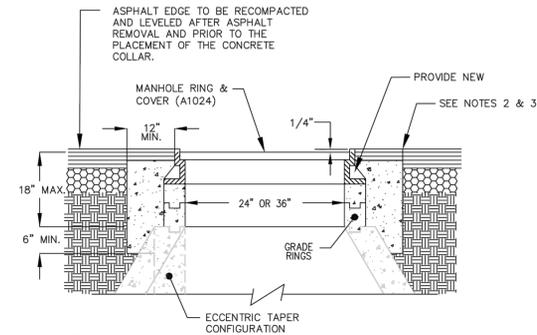
- NOTES:**
- GRAVEL SHOULD BE ANGULAR, WASHED, AND UNIFORMLY GRADED TO 3/4" TO 1-1/2" IN DIAMETER.
  - THE BOTTOM OF THE TRENCH SHALL BE FLAT WHICH SHOULD BE CONSIDERED LESS THAN 2% IN ANY DIRECTION.
  - INFILTRATION TRENCH SHALL BE CONSTRUCTED PER TRPA BMP HANDBOOK.

**1 INFILTRATION TRENCH**  
N.T.S.



- GENERAL NOTES**
- CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 202.12 OF THE SSPWC. REBAR SHALL ONLY BE USED WHEN THE VALVE BOX IS LOCATED OUTSIDE PAVED AREAS.
  - IN ALL AREAS, LIDS SHALL BE SET FLUSH WITH FINISHED GRADE UNLESS OTHERWISE NOTED.
  - THE CONCRETE COLLAR SHALL BE LEFT 2-1/2" - 3" BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3 AC PAVING, CHIP OR FOG SEAL PAVED SURFACE. EXCEPTION: WHEN STRUCTURE IS NOT LOCATED IN ASPHALT PAVEMENT OR IN AN UNPAVED AREA. EXTEND CONCRETE TO FINISH GRADE. ALL CUTS IN AC SHALL BE STRAIGHT AND EVEN.
  - SPLICES IN WIRE SHALL BE SOLDER OR WIRE NUTS AND WRAPPED WITH UL LISTED ELECTRICAL TAPE.

**2 GATE VALVE AND VALVE BOX**  
N.T.S.



- NOTES:**
- CONCRETE COLLAR TO BE PORTLAND CEMENT CONCRETE (P.C.C.) WITH THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5% AND SLUMP AT 1 TO 4 INCHES. ALL MATERIAL SHALL CONFORM TO SSPWC SECTION 202.
  - IN ALL PAVED AREAS, LIDS SHALL BE SET 1/4" BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
  - THE CONCRETE COLLAR SHALL BE LEFT 2-1/2" - 3" BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH AC PAVING, CHIP OR FOG SEAL PAVED SURFACE. EXCEPTION: WHEN STRUCTURE IS NOT LOCATED IN ASPHALT PAVEMENT OR IN AN UNPAVED AREA. EXTEND CONCRETE TO FINISH GRADE. ALL CUTS IN AC SHALL BE STRAIGHT AND EVEN.

**3 MANHOLE COLLAR**  
N.T.S.

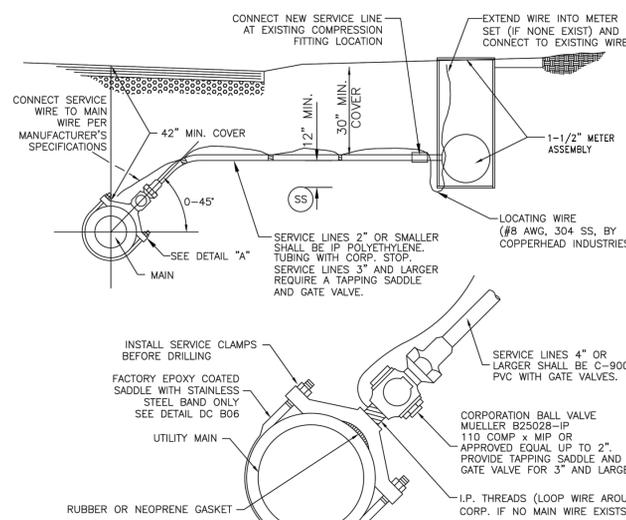
TYPE OF FITTING	90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END
TYPICAL INSTALLATION				

THRUST BLOCK BEARING AREA (SQ. FT.)					
TYPE OF FITTING	90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END	CROSS W/PLUG
4"	2	1	1	2	2
6"	4	4	2	4	4
8"	7	4	2	5	7
10"	12	6	3	8	12
12"	16	10	5	12	16
14"	20	12	6	14	20
16"	27	15	8	18	27
18"	45	25	13	32	45
24"	65	35	18	46	65

TYPE OF FITTING	CROSS W/PLUG	TEE W/PLUG
TYPICAL INSTALLATION		

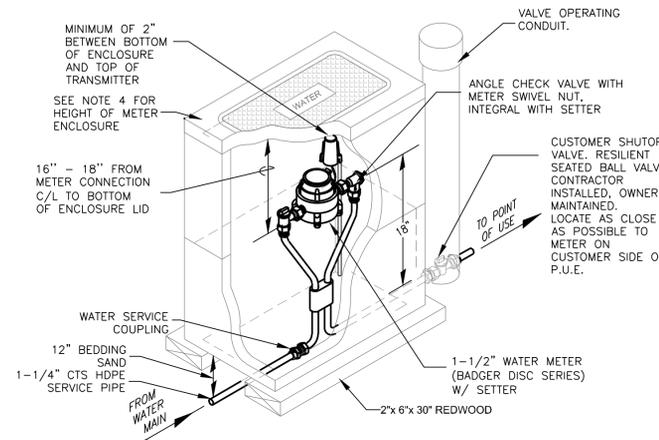
- NOTES:**
- THRUST BLOCKS TO BE CONSTRUCTED OF 4000 PSI @ 28 DAYS CONCRETE.
  - AREAS GIVEN ARE FOR CLASS 150 PIPE AT TEST PRESSURE OF 150 P.S.I., WITH 2000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD HAVE AREAS ADJUSTED ACCORDINGLY, SUBJECT TO THE APPROVAL OF THE ENGINEER.
  - BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
  - JOINTS AND FACE OF PLUG TO BE KEPT CLEAR OF CONCRETE.
  - #4 REBAR
  - ALL BENDS SHALL BE RESTRAINED MECHANICALLY IN ADDITION TO CONCRETE THRUST BLOCKS.

**4 THRUST BLOCK BEARING**  
N.T.S.



- GENERAL NOTES**
- ALL SERVICE LINE COUPLING FITTINGS SHALL BE MUELLER IPS 110 COMP. x MIP.
  - ALL SERVICE VALVES SHALL BE SAME SIZE AS SERVICE LINES (ON 3" SERVICE, USE 4" GATE VALVE AND PIPE).
  - SERVICE CLAMPS SHALL BE FACTORY COATED EPOXY WITH STAINLESS STEEL BAND.
  - MINIMUM DISTANCE BETWEEN TAPS AND MAINLINE FITTINGS, INCLUDING BELLS SHALL BE 18".
  - TAPPING SADDLES 3" OR LARGER SHALL BE STAINLESS STEEL, HAVE A FULL CIRCUMFERENTIAL SEAL AND HAVE EITHER A STAINLESS STEEL OR DUCTILE IRON FLANGE.
  - ALL PLUMBING SHALL BE DISCONNECTED FROM CORP AND PLUGGED AT BOTH ENDS. WATER UTILITY SHALL BE NOTIFIED FOR INSPECTION OF CORP ASSEMBLY PRIOR TO BACKFILLING.
  - ALL NEW SERVICE LINES SHALL CONNECT TO EXISTING METER PIT SETTER AT EXISTING COMPRESSION FITTING LOCATION.
  - IF EXISTING COMPRESSION FITTING IS CTS, IT SHALL BE REMOVED AND REPLACED WITH AN IPS COMPRESSION FITTING TO FIT THE NEWLY INSTALLED PE SERVICE LINE.

**5 WATER SERVICE TAP**  
N.T.S.



- NOTES:**
- THERMAL EXPANSION PROTECTION IS REQUIRED IN ANY DOMESTIC WATER SUPPLY SYSTEM THAT IS DOWNSTREAM FROM A BACKFLOW PREVENTION DEVICE. REFERENCE: UNIFORM PLUMBING CODE.
  - FOR DRIVEWAY OR TRAFFIC AREAS USE 13x24 ENCLOSURE APPROVED FOR TRAFFIC RATED H/20 LOADING. SEE DETAIL 10K-17.
  - TOP OF METER ENCLOSURE SHALL BE SET 0.2 FEET ABOVE HIGHEST FINISHED GRADE SURROUNDING ENCLOSURE WITHIN LANDSCAPED AREAS, AND SHALL BE SET FLUSH WITH SURROUNDING FINISH GRADE IN TRAFFIC AREAS.
  - ENCLOSURE TO BE BACKFILLED WITH WATER PIPE BEDDING SAND ONLY
  - BLANKET TO BE INSTALLED ABOVE METER AND BELOW TRANSMITTER.

**6 WATER METER ASSEMBLY**  
N.T.S.

DATE: DECEMBER 2017  
SCALE: H: N.T.S. V:  
DRAWN BY: BAM  
DESIGNED BY: BAM  
CHECKED BY: MAC

12/8/17

**WOOD RODGERS**  
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME  
1961 Corporate Boulevard  
Reno, NV 89502  
Tel 775.823.4068  
Fax 775.823.4068

NEVADA

IMPROVEMENT PLANS FOR  
**NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT**  
DETAIL SHEET

DOUGLAS COUNTY

PROJECT NO. 8063.011  
DRAWING D-3  
SHT 6 OF 12



**KINGSBURY NORTH TRAILHEAD**  
DOUGLAS COUNTY, NEVADA

PROJECT REF#: 10129-11/6/2017-5



**FLOOR PLAN**  
SCALE: NOT TO SCALE

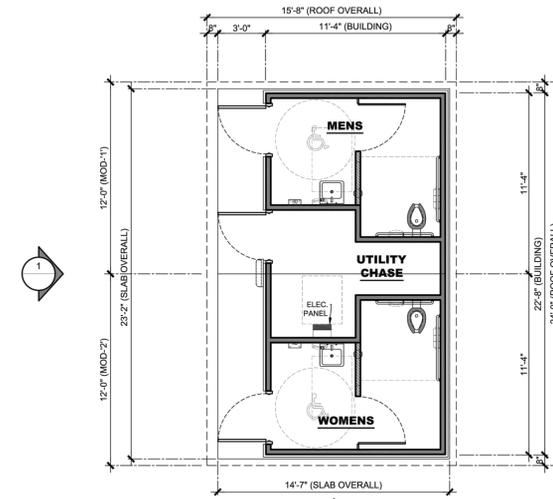


**RESTROOM BUILDING**

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www.PublicRestroomCompany.com  
287 BUSINESS PARKWAY  
MORICH, NEVADA 89423  
P: 888-888-2560 F: 888-888-1448

PROJECT REF#: 10129-11/6/2017-5

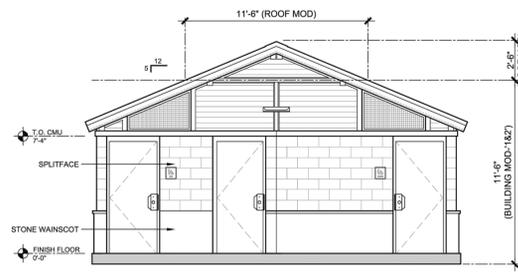


**FLOOR PLAN**  
SCALE: 3/16"=1'-0"

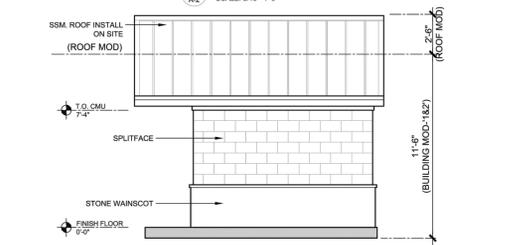
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		<b>5</b>	11/6/2017	<b>A-1</b>
PROJECT #: <b>10129</b>	START DATE: 2/1/2017 DRAWN BY: EDR	MAX. PERSON/HOUR: <b>180 M</b>		

DATE: DECEMBER 2017  
SCALE: H: N.T.S. V:  
DRAWN BY: BAM  
DESIGNED BY: BAM  
CHECKED BY: MAC

PROJECT REF#: 10129-11/6/2017-5



**ELEVATION 1**  
SCALE: 3/16"=1'-0"



**ELEVATION 2**  
SCALE: 3/16"=1'-0"

	BUILDING TYPE: <b>RESTROOM BUILDING</b> PROJECT: <b>KINGSBURY NORTH TRAILHEAD DOUGLAS COUNTY, NV</b>	REVISION #	REVISION DATE	SHEET #
		<b>5</b>	11/6/2017	<b>A-2</b>
PROJECT #: <b>10129</b>	START DATE: 2/1/2017 DRAWN BY: EDR	MAX. PERSON/HOUR: <b>180 M</b>		

NOTES:  
1. THE ABOVE DETAILS WERE PREPARED, DESIGNED, AND PROVIDED BY PUBLIC RESTROOM COMPANY.

**1**  
**D-4 BATHROOM FACILITY DETAILS**  
N.T.S.

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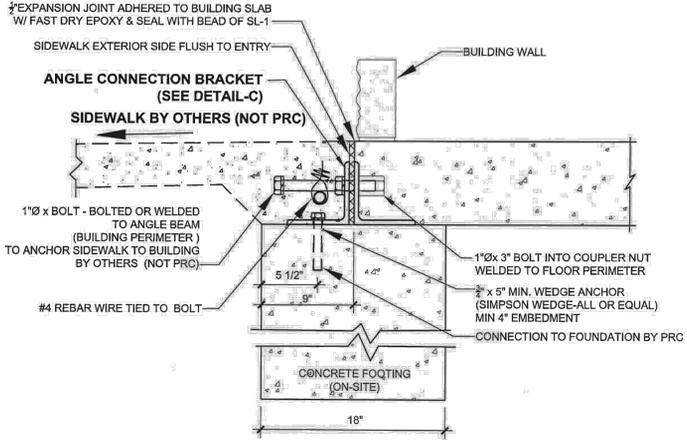
IMPROVEMENT PLANS FOR  
**NORTH KINGSBURY TRAIL HEAD  
BATHROOM PROJECT**  
PUBLIC RESTROOM COMPANY DETAILS  
DOUGLAS COUNTY NEVADA

PROJECT NO.  
8063.011

DRAWING  
**D-4**

SHT **7** OF **12**

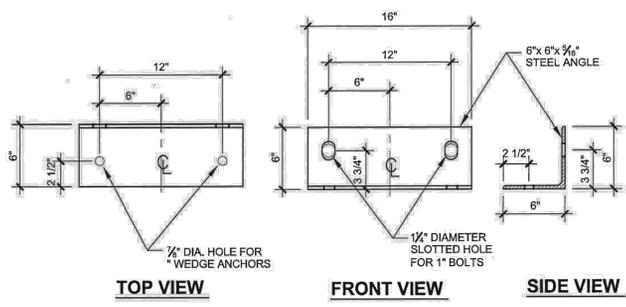
**SITE CONTRACTOR NOTE:**  
 BOTTOM OF PRE-FAB SLAB BUILDING MANUFACTURER IS DEAD FLAT. FOOTING TOP & COMPACTED BACKFILL MUST BE DEAD LEVEL.  
 POUR FOOTING WITH LASER TRANSIT TO VERIFY TOP OF FOOTING. IF SHIM PLATE IS REQUIRED A CHANGE ORDER IS REQUIRED.



**TYP. SLAB / FOUNDATION CONNECTION DETAIL**  
 SEE GENERAL SITE CONDITION LIABILITY NOTE ON "PAD PREPARATION RESPONSIBILITY" PAGE

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	*NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE		

**SITE CONTRACTOR NOTE:**  
 BOTTOM OF PRE-FAB SLAB BUILDING MANUFACTURER IS DEAD FLAT. FOOTING TOP & COMPACTED BACKFILL MUST BE DEAD LEVEL.  
 POUR FOOTING WITH LASER TRANSIT TO VERIFY TOP OF FOOTING. IF SHIM PLATE IS REQUIRED A CHANGE ORDER IS REQUIRED.



**TYP. SLAB / FOUNDATION CONNECTION DETAIL**

SEE GENERAL SITE CONDITION LIABILITY NOTE ON "PAD PREPARATION RESPONSIBILITY" PAGE

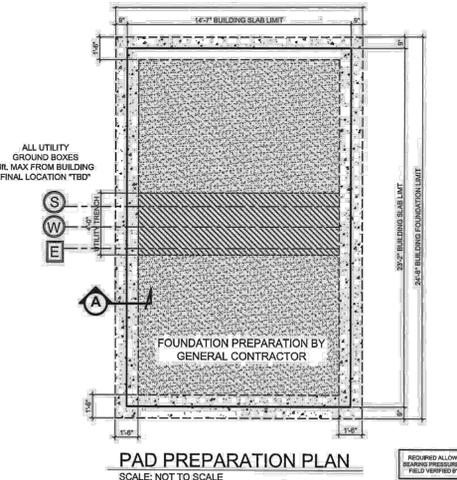
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	*NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE		

**OWNER / GENERAL CONTRACTOR AND PUBLIC RESTROOM COMPANY RESPONSIBILITIES**

- PRC (PUBLIC RESTROOM COMPANY)**
- PUBLIC RESTROOM COMPANY (PRC) WILL PROVIDE FULL ARCHITECTURAL PLANS AND ENGINEERING CALCULATIONS, STAMPED BY STATE GOVERNING AGENCY SUITABLE FOR GENERAL CONTRACTOR TO FILE FOR REQUIRED BUILDING PERMIT.
  - PUBLIC RESTROOM COMPANY WILL FURNISH AND INSTALL UNDERGROUND UTILITIES (UNDER SLAB) EXTENDING 6 FEET (MAX) BEYOND THE BUILDING LINE, MIN. OF 24" MAX. OF 36" BELOW GRADE.
- GENERAL PAD NOTES:**
- THE DIFFERENCE IN THE ELEVATION BETWEEN THE FINISH FLOOR OF RESTROOMS AND THE SIDEWALK OUTSIDE CAN NOT BE GREATER THAN 1/4" MAX.
  - THE STRUCTURAL DESIGN DETAILS HEREIN ARE SPECIFIC TO THE BUILDING SIZE AND MODULE CONFIGURATION SHOWN ON THE FLOOR PLANS OF THESE DRAWINGS.
  - PUBLIC RESTROOM COMPANY WILL PROVIDE LOCATION OF THIS BUILDING TO MEET ALL REQUIRED PROPERTY CODE SETBACKS PER LOCAL JURISDICTION.
- GENERAL SITE CONDITION LIABILITY NOTE:**
- PUBLIC RESTROOM COMPANY (PRC) PROVIDES BUILDING PAD PLAN DRAWINGS FOR PLACEMENT OF OUR BUILDING ON SITE PADS FOR REFERENCE ONLY. PRC DRAWINGS DO NOT INCORPORATE SITE DESIGN FOR LOCAL CODES, SOILS CONDITIONS, FOOTING REQUIREMENTS, AND/OR ANY OTHER CONTRIBUTING SITE FACTORS UP TO AN INCLUDING HIGH WATER TABLES. IT IS THE RESPONSIBILITY OF THE OWNER OR GENERAL CONTRACTOR TO PROVIDE A PROPER SITE DESIGN TO ACCOMMODATE THE BUILDING AS WELL AS PROVIDE PROPER SITE CRITERIA SO PRC MAY MODEL SEWER, WATER, AND ELECTRICAL DESIGNS WITHIN THE BUILDING. OUR BUILDING DESIGN INCLUDES AN 8" THICK REINFORCED CONCRETE SLAB AND ASSUMES FULL SLAB BEARING ON SOILS WITH A MINIMUM OF 1500 PSF BEARING CAPACITY. OUR BUILDING DESIGNS SURCHARGE THE SOIL BENEATH THE MAT SLAB AT APPROXIMATE 208 PSF. ANY BUILDING FOUNDATION IN ADDITION TO THE INTEGRAL MAT SLAB ARE SHOWN FOR REFERENCE ONLY AND SHOULD BE VERIFIED BY A LICENSED SOILS ENGINEER TO CONFORM WITH REQUIRED CODES. PRC ASSUMES NO LIABILITY FOR THE OWNER OR GENERAL CONTRACTOR ACCEPTANCE OF THESE TYPICAL DRAWINGS WITHOUT VERIFICATION BY A LICENSED SOILS / FOUNDATION ENGINEER.
- OWNER / GEN. CONTRACTOR SHALL PREPARE BUILDING PAD PER DETAILS ON THIS SHEET AND SCOPE OF WORK.
  - OWNER / GEN. CONTRACTOR SHALL ATTACH SITE PLAN TO THE PUBLIC RESTROOM COMPANY'S DEPARTMENT OF HOUSING APPROVED DOCUMENTS AND FILE BUILDING PERMIT FOR PLUMBING PERMIT/INSPECTION UNDER BUILDING SLAB
  - OWNER / GEN. CONTRACTOR TO COORDINATE SEWER INVERT WITH THE PUBLIC RESTROOM COMPANY PRIOR TO BUILDING INSTALLATION, VERIFY & COORDINATE LOCATION OF EXISTING UTILITIES INCLUDING WATER METER SIZE, TYPE, AND LOCATION OF EXISTING UTILITIES COMING INTO THE BUILDING SUPPLIED BY PRC
  - OWNER / GEN. CONTRACTOR IS RESPONSIBLE FOR UTILITY CONNECTIONS AND WILL MAKE FINAL CONNECTIONS TO SEWER, WATER AND POWER.
  - OWNER / GEN. CONTRACTOR TO PREPARE SITE FOR MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1,500psf, WITH SUB-GRADE COMPACTED TO 90% M.D.D.
  - OWNER / GEN. CONTRACTOR TO SUPPLY AND STOCK PILE REQUIRED QUANTITY OF COARSE SAND WITHIN BUILDING PROXIMITY FOR USE BY PRC. (ELEVATION OF BASE TO BE DETERMINED AND VERIFIED BY THE GENERAL CONTRACTOR) PAD ELEVATION MUST BE LEVEL WITHIN 2% (±) AND COMPLY WITH ALL PERMISSIBLE CODES OF ACCESSIBILITY AND SAFETY, BEFORE BUILDING SET WET SAND FILL TO CONSOLIDATE AND / OR VIBRATE.
  - PROJECTS WITH FOOTINGS: OWNER / GEN. CONTRACTOR MUST PROVIDE SLEEVES IN FOOTINGS ACCORDING TO UTILITY LOCATION PLAN, AND PAD / FOUNDATION PLAN DIRECTION.

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	*NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE		

**SITE CONTRACTOR NOTE:**  
 BOTTOM OF PRE-FAB SLAB BY PRE-FAB BLDG. MANUFACTURER IS DEAD FLAT. FOOTING TOP & COMPACTED BACK FILL MUST BE DEAD LEVEL.  
 POUR FOOTING WITH LASER TRANSIT TO VERIFY TOP OF FOOTING. IF SHIM PLATES ARE REQUIRED A CHANGE ORDER IS REQUIRED.

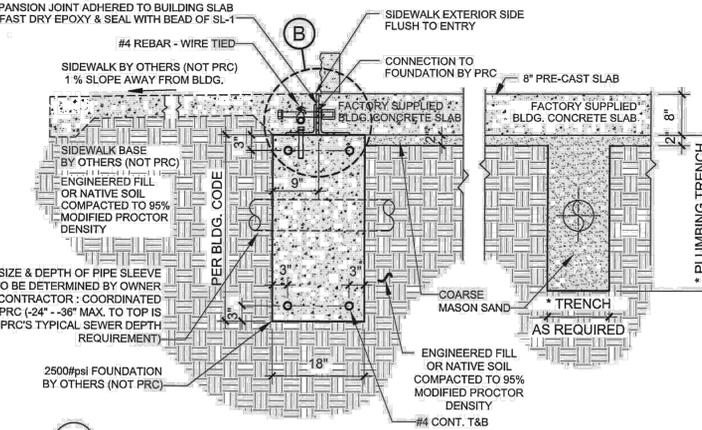


**PAD PREPARATION PLAN**  
 SCALE: NOT TO SCALE

SEE GENERAL SITE CONDITION LIABILITY NOTE ON "PAD PREPARATION RESPONSIBILITY" PAGE

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	*NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE		

**SITE CONTRACTOR NOTE:**  
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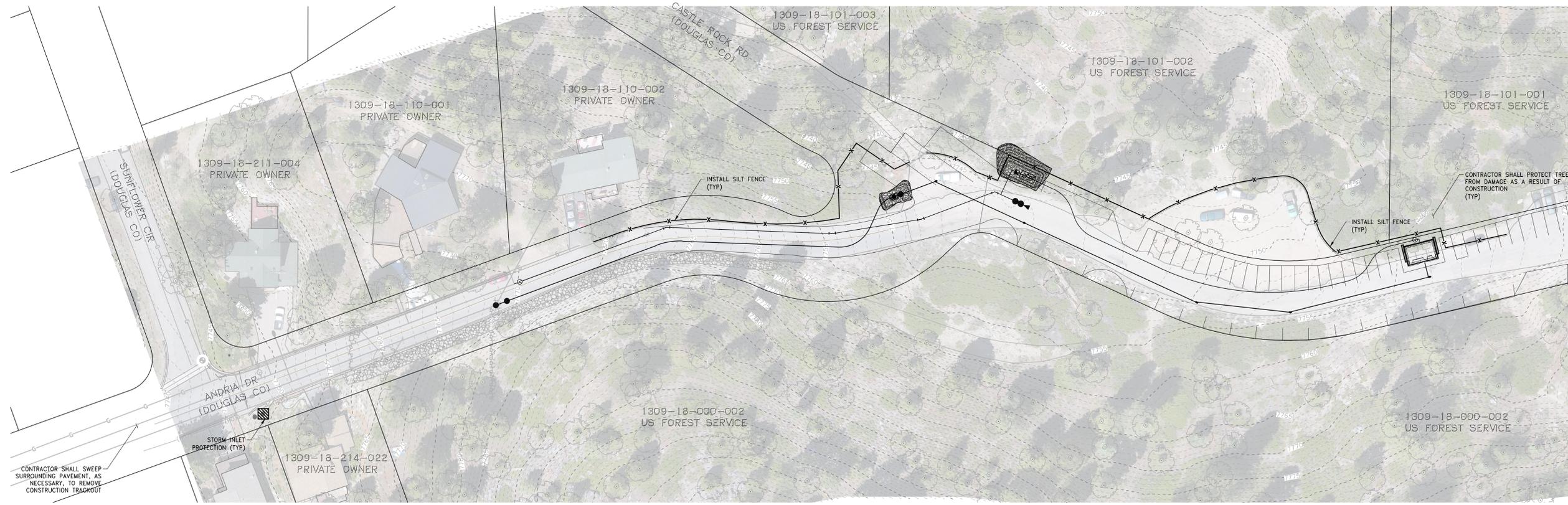


**TYPICAL FOUNDATION SECTION DETAIL**

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	*NOT FOR CONSTRUCTION - PRELIMINARY DESIGN DRAWING ONLY - DO NOT SCALE, DIMENSIONS PRESIDE		

- NOTES:
- THE ABOVE DETAILS WERE PREPARED, DESIGNED, AND PROVIDED BY PUBLIC RESTROOM COMPANY.

DATE: DECEMBER 2017	SCALE: H: N.T.S. V:	DRAWN BY: BAM	DESIGNED BY: BAM	CHECKED BY: MAC	NO.	DESCRIPTION	DATE
<b>WOOD RODGERS</b> BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 1961 Corporate Boulevard Reno, NV 89502 Tel 775.823.4068 Fax 775.823.4068							
IMPROVEMENT PLANS FOR <b>NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT</b> <b>PUBLIC RESTROOM COMPANY DETAILS</b> DOUGLAS COUNTY NEVADA							
PROJECT NO. 8063.011 DRAWING D-5 SHT 8 OF 12							

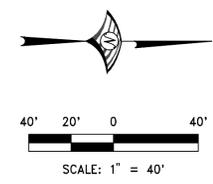


**LEGEND**



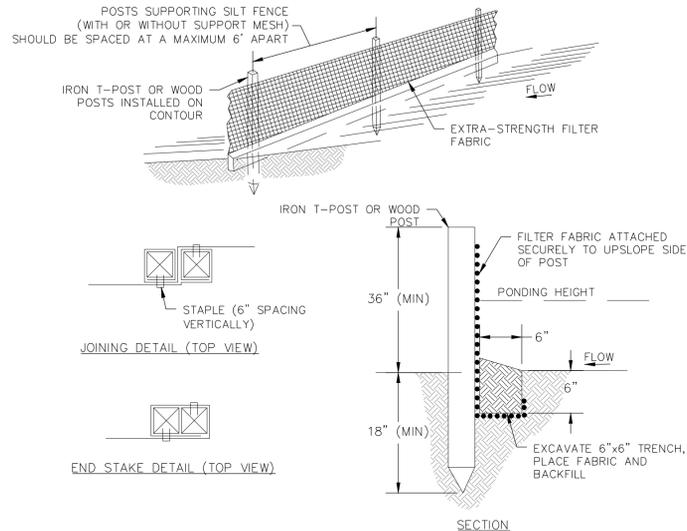
**NOTES**

1. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN BMPs THROUGHOUT CONSTRUCTION AND SHALL REMOVE ANY ACCUMULATED SEDIMENT. ACCUMULATED SEDIMENT SHOULD BE MOVED TO AREAS AWAY FROM WATER FLOW PATHS AND STABILIZED, OR REMOVED TO FACILITIES OFFSITE FOR PROPER DISPOSAL.
2. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS FOLLOWING A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
3. ALL SITE WORK MUST BE COMPLETED BETWEEN MAY 1ST AND OCTOBER 15TH. NO GRADING ACTIVITIES WILL BE PERMITTED OUTSIDE THESE DATES.
4. GRADING IS NOT ALLOWED WHEN THE SITE IS COVERED WITH SNOW, OR WHEN SOILS ARE SATURATED, MUDDY, OR UNSTABLE TO PREVENT SOIL DAMAGE AND EROSION.
5. TEMPORARY BMPs MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONSTRUCTION ACTIVITIES MAY BE HALTED, AT NO ADDITIONAL COST TO THE OWNER, SHOULD BMPs BE FOUND TO NOT MEET PERMIT CONDITIONS.
6. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE CONTRACTOR DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE TAHOE-REGIONAL PLANNING AGENCY BEST MANAGEMENT PRACTICES (BMP) HANDBOOK. CONTRACTOR SHALL MODIFY PLAN AS NEEDED TO PROVIDE CONTINUOUS PROTECTION FROM STORM WATER RUNOFF.
7. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCES AND EXIT LOCATIONS AND ALL BMPs WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OR SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO STORMWATER GENERAL PERMIT NVR100000, SECTION 1.B.1.G.
8. TOTAL DISTURBED AREA IS APPROXIMATELY 0.15 ACRES.
9. REFER TO SHEET BMP-2 AND THE TRPA HANDBOOK FOR DETAILS AND IMPLEMENTATION REQUIREMENTS FOR EACH BMP.



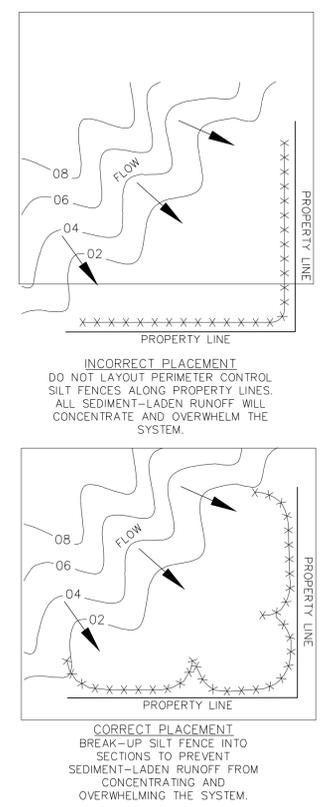
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	NO. 12/17
<p><b>WOOD RODGERS</b> BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 1961 Corporate Boulevard Reno, NV 89502 Tel 775.823.4068 Fax 775.823.4066</p>	
<p>IMPROVEMENT PLANS FOR <b>NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT</b> DOUGLAS COUNTY NEVADA <b>TEMPORARY BMP PLAN</b></p>	
PROJECT NO. 8063.011	
DRAWING <b>BMP-1</b>	
SHT 9 OF 12	

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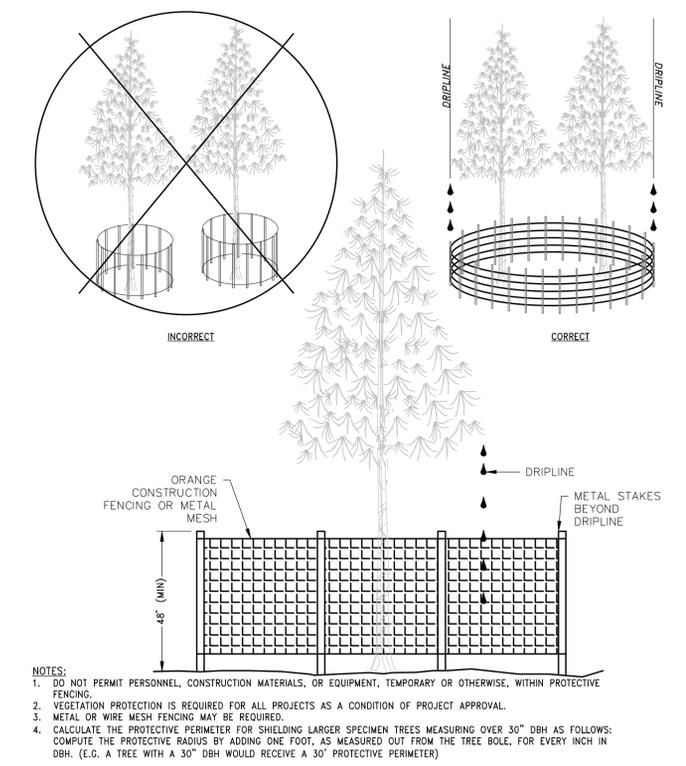


- NOTES:
1. USED IN AREAS WHERE SHEET FLOW OCCURS.
  2. DO NOT USE IN STREAMS, CHANNELS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE SILT FENCES TO DIVERT FLOW.
  3. DO NOT USE BELOW SLOPES SUBJECT TO CREEP, SLUMPING, OR LANDSLIDES.
  4. SILT FENCE SHOULD BE WOVEN POLYPROPYLENE WITH A MINIMUM WIDTH OF 36 INCHES AND A MINIMUM TENSILE STRENGTH OF 100 LB FORCE.
  5. INSTALL ALONG A LEVEL CONTOUR SO WATER DOES NOT POND MORE THAN 1.5 FEET AT ANY POINT ALONG THE SILT FENCE.
  6. THE MAXIMUM LENGTH OF SLOPE DRAINING TO ANY POINT ALONG THE SILT FENCE SHOULD BE 200 FEET OR LESS.
  7. THE MAXIMUM SLOPE PERPENDICULAR TO THE FENCE LINE SHOULD BE 1:1.
  8. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND TO ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOES OF SLOPES OR OTHER OBSTRUCTIONS.
  9. TURN THE ENDS OF THE FILTER FENCE UPHILL TO CREATE A "J" SHAPE, TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
  10. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWN SLOPE FROM THE FENCE WHERE FEASIBLE.
  11. SILT FENCES SHOULD REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
  12. REMOVE SEDIMENT WHEN DEPOSITS REACH APPROXIMATELY 1/3 HEIGHT OF BARRIER.

**1 SILT FENCE DETAILS**  
BMP-2 N.T.S.

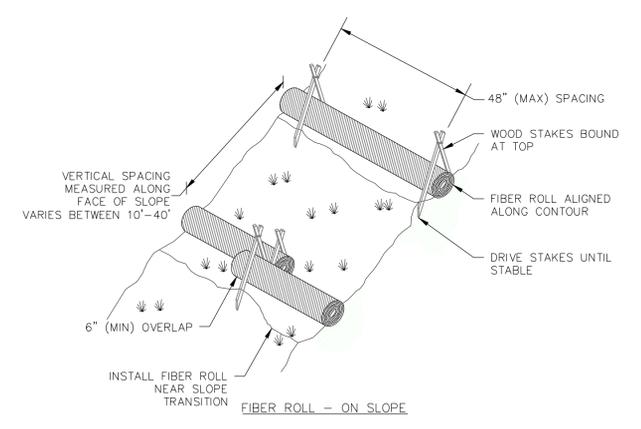
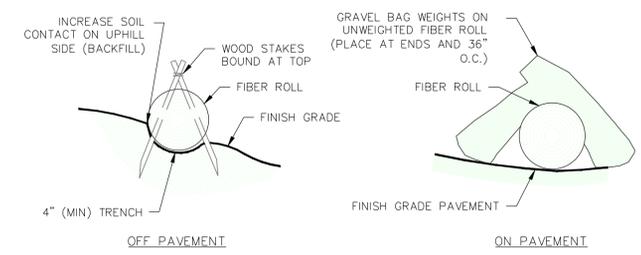


**2 SILT FENCE PLACEMENT DETAILS**  
BMP-2 N.T.S.

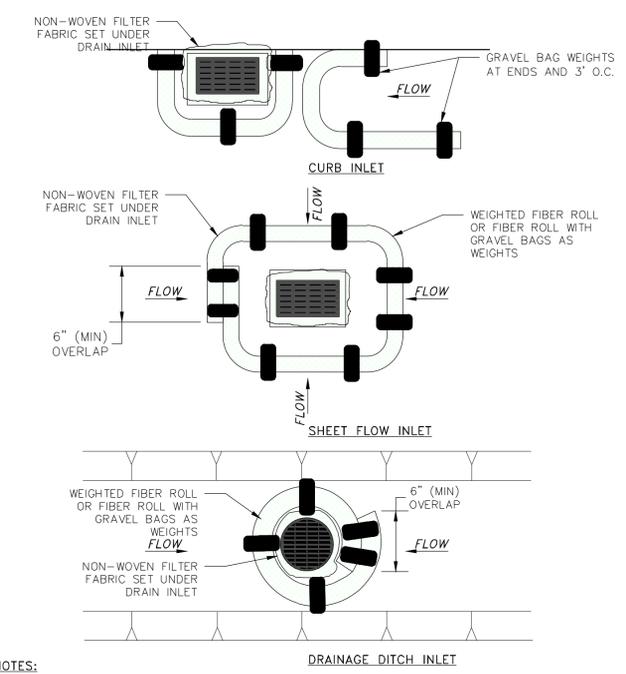


- NOTES:
1. DO NOT PERMIT PERSONNEL, CONSTRUCTION MATERIALS, OR EQUIPMENT, TEMPORARY OR OTHERWISE, WITHIN PROTECTIVE FENCING.
  2. VEGETATION PROTECTION IS REQUIRED FOR ALL PROJECTS AS A CONDITION OF PROJECT APPROVAL.
  3. METAL OR WIRE MESH FENCING MAY BE REQUIRED.
  4. CALCULATE THE PROTECTIVE PERIMETER FOR SHIELDING LARGER SPECIMEN TREES MEASURING OVER 30" DBH AS FOLLOWS: COMPUTE THE PROTECTIVE RADIUS BY ADDING ONE FOOT, AS MEASURED OUT FROM THE TREE BOLE, FOR EVERY INCH IN DBH. (E.G. A TREE WITH A 30" DBH WOULD RECEIVE A 30" PROTECTIVE PERIMETER)

**3 VEGETATION PROTECTION DETAILS**  
BMP-2 N.T.S.



**4 FIBER ROLL DETAILS**  
BMP-2 N.T.S.



- NOTES:
1. FIBER ROLL DRAIN INLET PROTECTION SHALL USE A MIN. 12" DIAMETER ROLL AND BE INSTALLED BEFORE CONSTRUCTION BEGINS.
  2. GRAVEL BAGS SHALL BE FILLED WITH GRAVEL. SAND BAGS ARE NOT AN ACCEPTABLE SUBSTITUTE.
  3. INSPECT AND REPAIR FIBER ROLLS EACH DAY AND AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE THIRD OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DISPOSED OF PROPERLY.
  4. SEDIMENT AND GRAVEL DEPOSITED ON ROADWAYS SHALL BE IMMEDIATELY REMOVED.
  5. IN HIGH TRAFFIC AREAS, MARK DRAIN INLET PROTECTION WITH VISIBLE BARRIERS SUCH AS SAFETY CONES.
  6. REMOVE DRAIN INLET PROTECTION AFTER THE SURROUNDING AREA HAS BEEN STABILIZED.

**5 DRAINAGE INLET PROTECTION DETAILS**  
BMP-2 N.T.S.

DATE: DECEMBER 2017	SCALE: 1"=40'	DRAWN BY: BAM	DESIGNED BY: BAM	CHECKED BY: BAM
<b>WOOD RODGERS</b> BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 1961 Corporate Boulevard Reno, NV 89502 Tel 775.823.4068 Fax 775.823.4068				
IMPROVEMENT PLANS FOR <b>NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT</b> TEMPORARY BMP DETAILS				
DOUGLAS COUNTY NEVADA				
PROJECT NO. 8063.011				
DRAWING <b>BMP-2</b>				
SHT 10 OF 12				

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	DETAIL IDENTIFICATION: TOP IS DETAIL/BOTTOM IS SHEET NUMBER
	NOTE IDENTIFICATION: NOTE NO. 1 ON SHEET E-1
	EQUIPMENT SCHEDULE IDENTIFICATION
	DUPLEX GFCI RECEPTACLE
	SPST SWITCH; +42" A.F.F. U.O.N.
	HAND-OFF-AUTO SWITCH; +42" A.F.F. U.O.N.
	MOTOR/PUMP (# INDICATES HORSEPOWER)
	GROUND
	METER
	CIRCUIT BREAKER
	OVER-TEMPERATURE SENSOR
	EQUIPMENT TRANSMITTER
	FLOW METER SENSOR
	TIME CLOCK
	PHOTO ELECTRIC CELL
	GROUNDING ELECTRODE GROUND-ROD
	CONDUIT UP/DOWN
	CONDUIT STUB
	PHASE CONDUCTOR; #12 THHN IN 1" C. U.O.N.
	CODE SIZE GROUND BONDING CONDUCTOR PER N.E.C. TABLE 250-95
	NEUTRAL CONDUCTOR; #12 THHN IN 1" C. U.O.N.
	UNDERGROUND FEEDER, (2)-#12 THHN IN 1" C. U.O.N.
	EXPOSED RUN, PARALLEL TO STRUCTURE IN UNFINISHED AREAS; (2)-#12 THHN IN 1" C. U.O.N.
	HOME RUN INDICATION. EX: 3-#12'S WITH 1-#12 NEUTRAL, AND 1-GROUND IN 3/4" C. TO PANELBOARD-LA, CIRCUITS 1,3,5
	NOT TO SCALE
	CONDUIT
	TYPICAL
	UNLESS OTHERWISE NOTED
	SURGE PROTECTION DEVICE
	OR APPROVED ALTERNATE
	BARE COPPER
	GALVANIZED RIGID STEEL CONDUIT
	FLOW METER
	EMPTY CONDUIT
	DISCONNECT SWITCH
	EXISTING
	WEATHER-PROOF
	GROUND FAULT INTERRUPT
	GROUND FAULT INTERRUPT
	SOLIDLY GROUNDED NEUTRAL BUS
	SAFETY DISCONNECT SWITCH (FRAME/FUSE/POLE#)
	RELAY COIL AND ASSOCIATED CONTACTOR
	LIGHTING / LUMINAIRE(S)

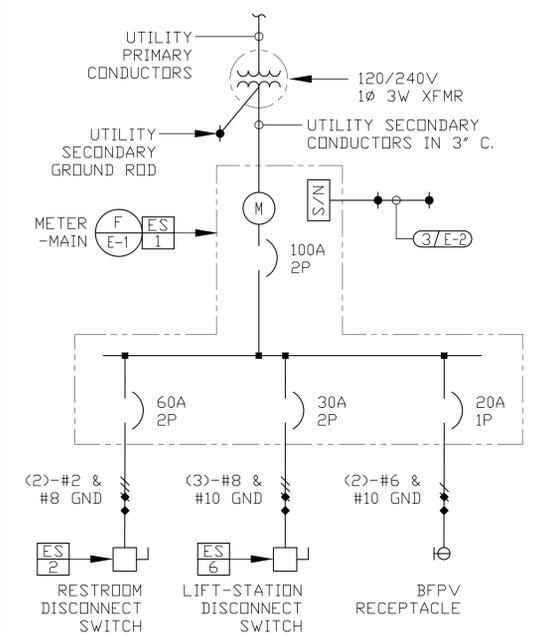
### GENERAL ELECTRICAL REQUIREMENTS:

- A. FURNISH ALL LABOR, MATERIAL, EQUIPMENT, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE ELECTRICAL SYSTEM.
- B. ALL WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, NATIONAL BOARD OF FIRE UNDERWRITERS, APPLICABLE LOCAL CODES, AND POWER COMPANY STANDARDS.
- C. ALL MATERIAL SHALL BE NEW AND CONFORM WITH THE REQUIREMENT OF THE UNDERWRITER'S LABORATORIES, INC.
- D. WORKMANSHIP AND NEAT APPEARANCE SHALL BE OF THE SAME LEVEL OF IMPORTANCE AS ITS ELECTRICAL AND MECHANICAL EFFICIENCY.
- E. COORDINATE ALL WORK WITH THAT OF OTHER CONTRACTORS ON THE JOB AND ALSO WITH THAT OF THE OWNER. ANY COST FOR EXTRA WORK OR MATERIALS RESULTING FROM LACK OF COORDINATION, SHALL BE BORNE BY THIS CONTRACTOR.
- F. POWER CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM (UNLESS OTHERWISE NOTED). #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS TO BE TYPE XHHW-2. ALL WIRING SHALL BE INSTALLED IN CONDUIT. CONTROL CONDUCTORS TO BE #14 XHHW-2 STRANDED.
- G. ALL CONDUIT WITHIN 18" (ABOVE AND BELOW) OF GRADE OR FINISHED FLOOR TO BE GALVANIZED RIGID STEEL. ALL CONDUIT BELOW 18" OF GRADE TO BE PVC-TYPE SCHEDULE-40. ALL UNDERGROUND ELBOWS TO BE GALVANIZED RIGID STEEL (GRS). ALL METALLIC CONDUITS IN CONTACT WITH EARTH TO BE EITHER PVC-GRSC OR HALF-LAP WRAPPED IN SCOTCH-50 ELECTRICAL TAPE. FOR CONDUITS INSTALLED OUTDOORS, PROVIDE A WATER-TIGHT CONDUIT SYSTEM, (IMC OR GRS ONLY) INCLUDING THREADED HUBS AT EQUIPMENT PENETRATIONS, LIQUID-TIGHT CONNECTORS, & SEALS.
- H. WIRING DEVICES SHALL BE HUBBELL, OR EQUAL. ALL DEVICES SHALL BE EQUAL TO THE FOLLOWING AND SHALL HAVE WHITE DEVICE PLATES:  
ENCLOSURE SWITCHES:  
A. SPST HUBBELL NO. 1221-I  
ENCLOSURE RECEPTACLES:  
A. GFCI DUPLEX 20A, 125V HUBBELL NO. GF5262-I
- I. CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS:  
240S/120V - BLACK, RED  
NEUTRAL - WHITE
- J. ELECTRIC EQUIPMENT SHALL BE AS MANUFACTURED BY EATON, SQUARE-D, OR ALLEN-BRADLEY, OR AS SPECIFIED IN THE EQUIPMENT SCHEDULE (OTHERS ON PRIOR APPROVAL). PANELBOARDS SHALL BE OF THE BOLT-ON CIRCUIT BREAKER TYPE.
- K. METALLIC CONDUIT FITTINGS AND ACCESSORIES SHALL BE STEEL, COMPRESSION TYPE. ALL HARDWARE SHALL BE 316 STAINLESS STEEL.
- L. ALL SURFACE OUTLET BOXES TO BE 'FS' CAST STEEL WITH MATCHING COVERS.
- M. ALL CONCRETE WORK TO BE PER CIVIL AND/OR STRUCTURAL DRAWINGS, SPECIFICATIONS, REQUIREMENTS, AND DIAGRAMS.
- N. FINAL CONDUIT ROUTING FOR NEW CONDUIT SYSTEMS TO BE DETERMINED BY ELECTRICAL CONTRACTOR; HOWEVER SEPARATE DEDICATED CONDUITS SHALL BE PROVIDED FOR ANALOG SIGNAL, DISCRETE SIGNAL, AND POWER. DO NOT USE EQUIPMENT ENCLOSURES AS PASS-THROUGH WIRE-WAY.
- O. PROVIDE NEW TYPED PANEL DIRECTORIES FOR ALL NEW AND MODIFIED 120/208/240V LOAD CENTERS AND PANELBOARDS. PROVIDE BLACK PHENOLIC NAMEPLATES FOR BREAKERS INSTALLED IN 277/480V PANELS.
- P. SUBMIT ELECTRONIC COPIES OF SHOP DRAWINGS AND/OR MANUFACTURERS DESCRIPTIVE DATA ON ALL PROPOSED ELECTRICAL EQUIPMENT FOR APPROVAL WITHIN THIRTY (30) DAYS AFTER AWARD OF CONTRACT. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PREPARED BY HIS SUPPLIERS AND SHALL MARK ALL COPIES AS ACCEPTABLE TO HIM. THE CONTRACTOR'S ACCEPTANCE SHALL INCLUDE CERTIFICATION THAT THE REQUIRED ELECTRICAL CONNECTIONS HAVE BEEN NOTED AND THAT EQUIPMENT CAN BE INSTALLED IN THE SPACE AVAILABLE.
- Q. INSTALL ALL EMPTY CONDUITS WITH PULL STRING.
- R. THIS CONTRACTOR SHALL GUARANTEE TO THE OWNER ALL WORK PERFORMED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.

### EQUIPMENT SCHEDULE

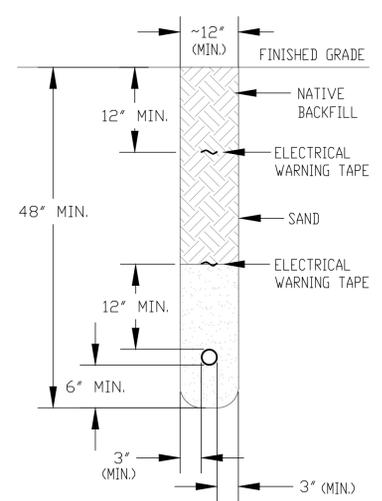
ITEM	QUANTITY	DESCRIPTION
1	1	100A 240S/120V 3Ø 7-JAW NEMA-3R SINGLE-METER RING-TYPE METER PEDESTAL COLORED 'DESERT TAN' WITH TEST-BYPASS BLOCK, 100A MAIN CIRCUIT BREAKER, 18-CIRCUIT DISTRIBUTION LOAD-CENTER & A SWITCHED 6-CIRCUIT LOAD-CENTER (VIA CONTACTOR), 24-HOUR TIME CLOCK KIT, ANCHOR-BOLT KIT, HAND-OFF-AUTO SWITCH, TWO-POSITION PHOTOELECTRIC CONTROL KIT, 50KA/Ø SURGE PROTECTION DEVICE, CONVENIENCE RECEPTACLE, AND BREAKERS AS CONFIGURED IN THE PANEL SCHEDULE. CONFIGURE PER DESCRIPTION & PANEL SCHEDULE. MILBANK #CP3B-1-1-1-5-A-22, #CP-ABK5/8 & EATON #SPD-240S.
2	1	60A 240V 3-WIRE 1Ø NEMA-12/3R DISCONNECT SWITCH WITH SOLID-NEUTRAL. INCLUDE COMPATIBLE (2)-60A DETD FUSES. EATON #DH222NDK.
3	3	N-36 TYPE, 17"x30" H-20 TRAFFIC RATED CONCRETE PULLBOX & EXTENSION. JENSEN PRECAST #HT1730-B, #HT1730-E, WITH #HT1730-L01 STEEL COVER MARKED 'ELECTRIC'. VERIFY QUANTITY & TYPE/ REQUIREMENTS WITH UTILITY WORK ORDER DRAWINGS.
4	2	N-9 TYPE, 10"x17" H-20 TRAFFIC RATED CONCRETE PULLBOX & EXTENSION. JENSEN PRECAST #HT1017-B, #HT1017-E, WITH #HT1017-L01 STEEL COVER MARKED 'ELECTRIC'.
5	1	240V NEMA-4X DUPLEX LIFT-STATION CONTROL PANEL FOR USE WITH (2)-2HP GRINDER PUMPS & (3)-FLOAT SWITCHES. ZOELLER #10-0512 (COORDINATE COMPLETE INSTALLATION FOR ZOELLER #922-0022).
6	1	30A 240V 3-WIRE 1Ø NEMA-12/3R DISCONNECT SWITCH WITH SOLID-NEUTRAL. INCLUDE COMPATIBLE (2)-30A DETD FUSES. EATON #DH221NDK.
7	1	15kVA 240x240S/120V 1Ø NEMA-3R GENERAL PURPOSE ENCAPSULATED TRANSFORMER WITH (2)+5% VOLTAGE TAPS. EATON #S10L11S15N

REMARKS: CONTRACTOR TO COORDINATE EQUIPMENT SCHEDULE QUANTITIES WITH ELECTRICAL DRAWINGS AND MODIFY AS REQUIRED.

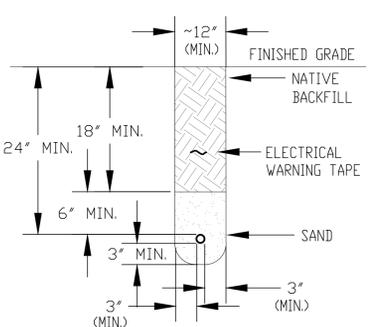


**(E) SINGLE-LINE DIAGRAM**  
SCALE: NOT TO SCALE

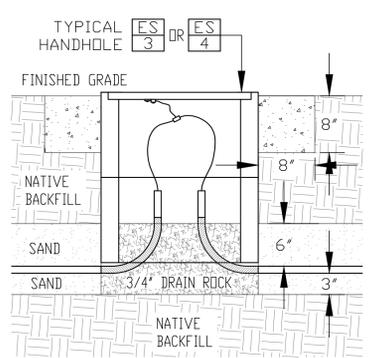
- ### SHEET NOTES:
- INSTALL THE LIFT-STATION CONTROL PANEL & DISCONNECT SWITCH ON A STAINLESS-STEEL UNI-STRUT RACK COMPRISED OF (2)-116" B22A (BACK-TO-BACK) VERTICAL SECTIONS POURED IN PLACE WITH 8" DIA. CONCRETE PIERS. ALL MOUNTING HARDWARE TO BE 316 STAINLESS STEEL.
  - CONNECT THE LIFT-STATION CONTROL PANEL TO THE PACKAGED WET-WELL WITH 2" C. INSTALL:  
PUMP-1 CABLE  
PUMP-2 CABLE  
(3)-FLOAT CABLES
  - UTILIZE EYS-SEAL OFFS ON CONDUITS ENTERING THE WET-WELL. EXTEND CABLES FROM LIFT-STATION JUNCTION BOX.
  - POUR NEW METERING PEDESTAL MOUNTING-PAD WITH DIMENSIONS PER MANUFACTURER'S RECOMMENDATIONS.



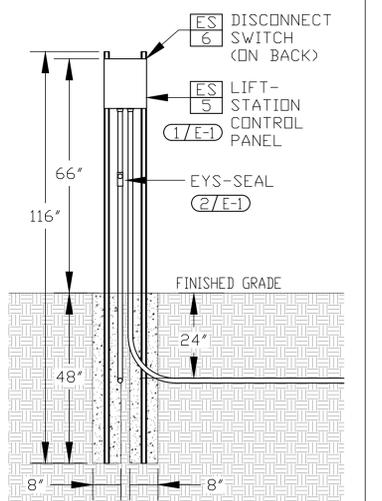
**(A) UTILITY TRENCH DETAIL**  
SCALE: 1" = 1'-0"



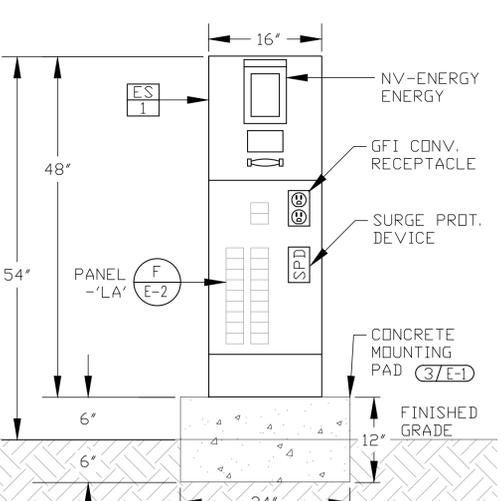
**(B) TYPICAL BRANCH TRENCH DETAIL**  
SCALE: 1" = 1'-0"  
MINIMUM TRENCH REQUIREMENTS SHOWN. MODIFY TRENCH WIDTH AS NECESSARY FOR ADDITIONAL CONDUITS. PROVIDE AND INSTALL PULL-LINE IN ALL EMPTY CONDUITS FOR FUTURE CONDUCTOR PULLS. SEE CIVIL SHEETS FOR PAVEMENT PATCH REQUIREMENTS, MATERIALS, & PLACEMENT SPECIFICATIONS FOR BEDDING AND BACKFILL.



**(C) HANDHOLE DETAIL**  
SCALE: 1" = 1'-0"  
LABEL AND BOND PULL-BOX COVER ACCORDING TO NEC ARTICLE 314.30(D). POUR A NEW 8"x8" CONCRETE COLLAR AROUND THE ENTIRE PERIMETER OF THE NEW TRAFFIC PULL BOX WHERE NOT INSTALLED IN CONCRETE SLABS.



**(D) LIFT-STATION CONTROL PANEL DETAIL**  
SCALE: 1/2" = 1'-0"



**(F) PEDESTAL DETAIL**  
SCALE: 1" = 1'-0"

DATE: DECEMBER 2017  
SCALE: AS SHOWN  
DRAWN BY: MJE  
DESIGNED BY: MJE  
CHECKED BY: MJE

12/07/17

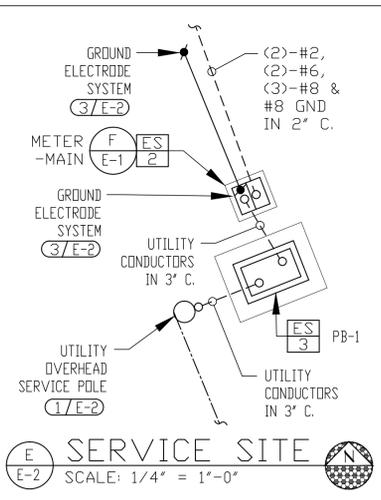
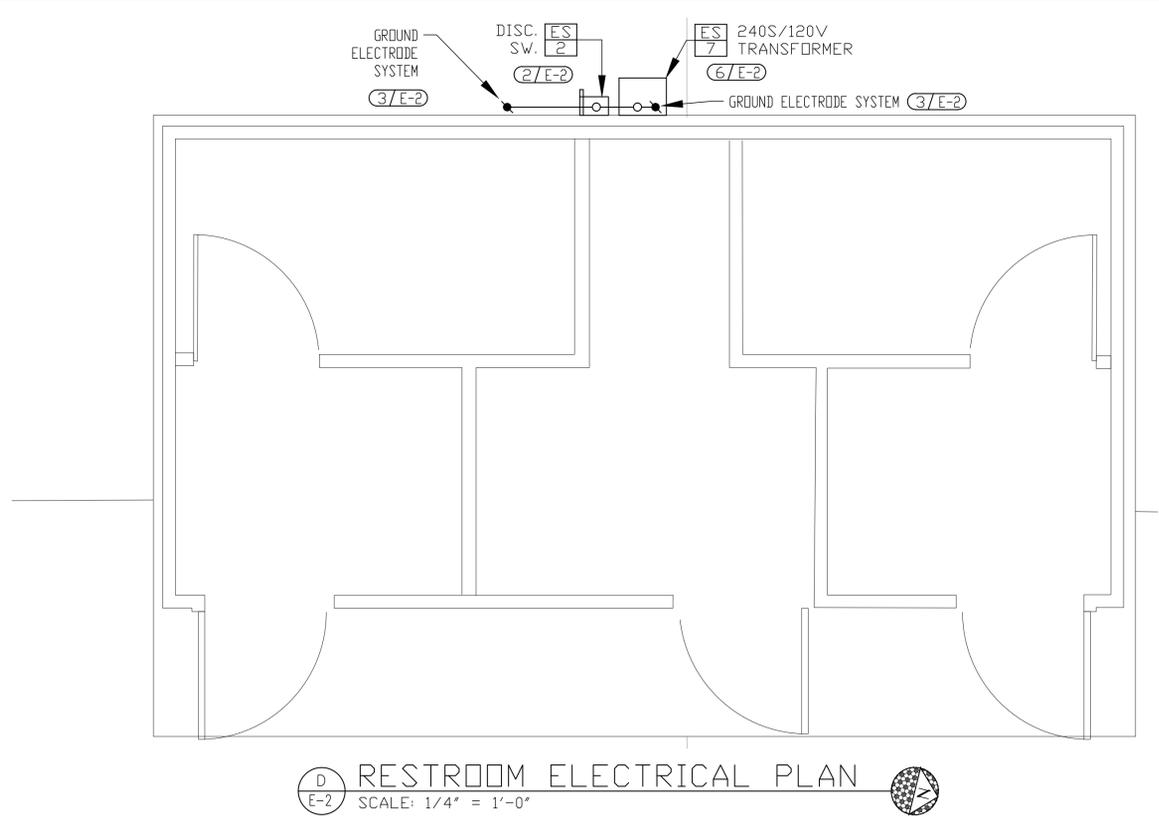
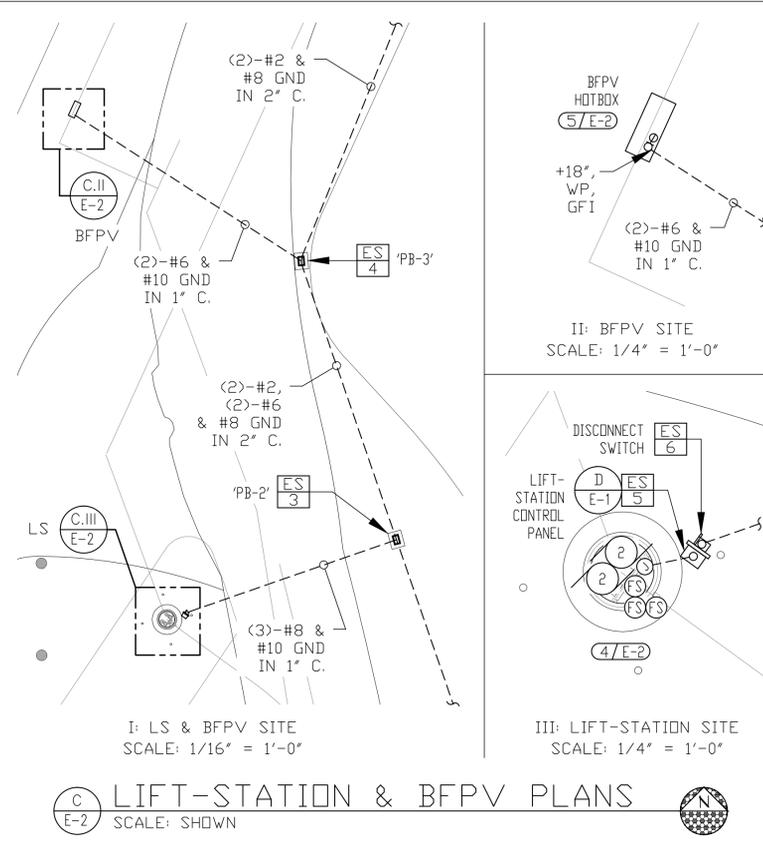
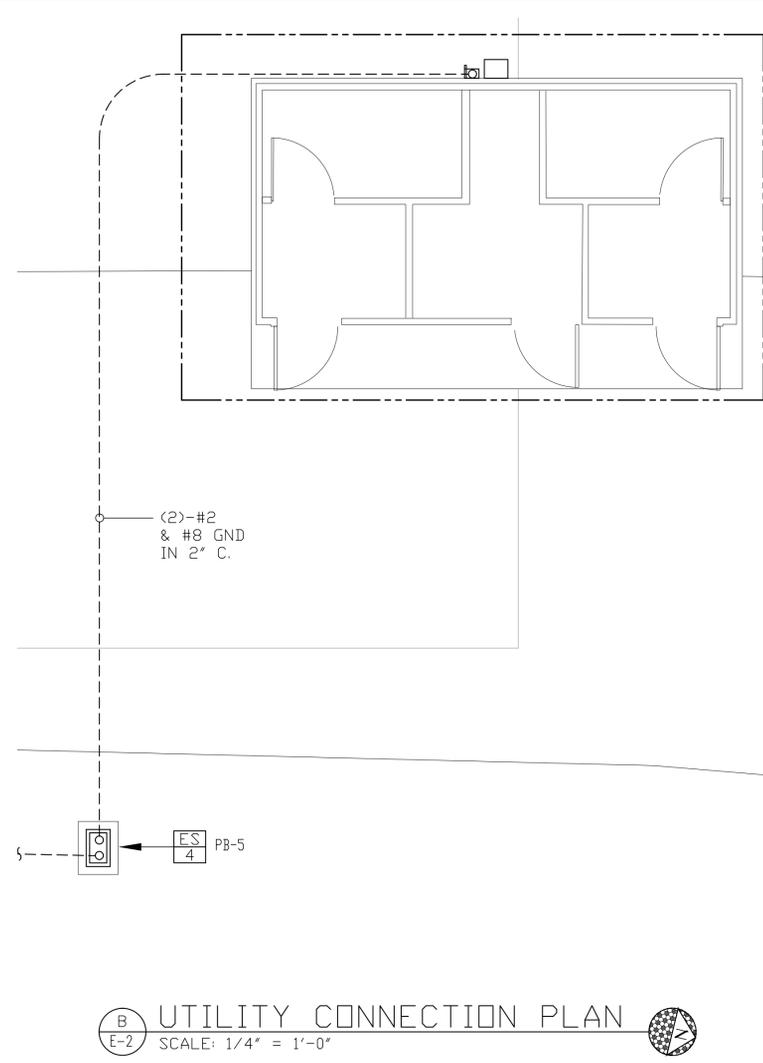
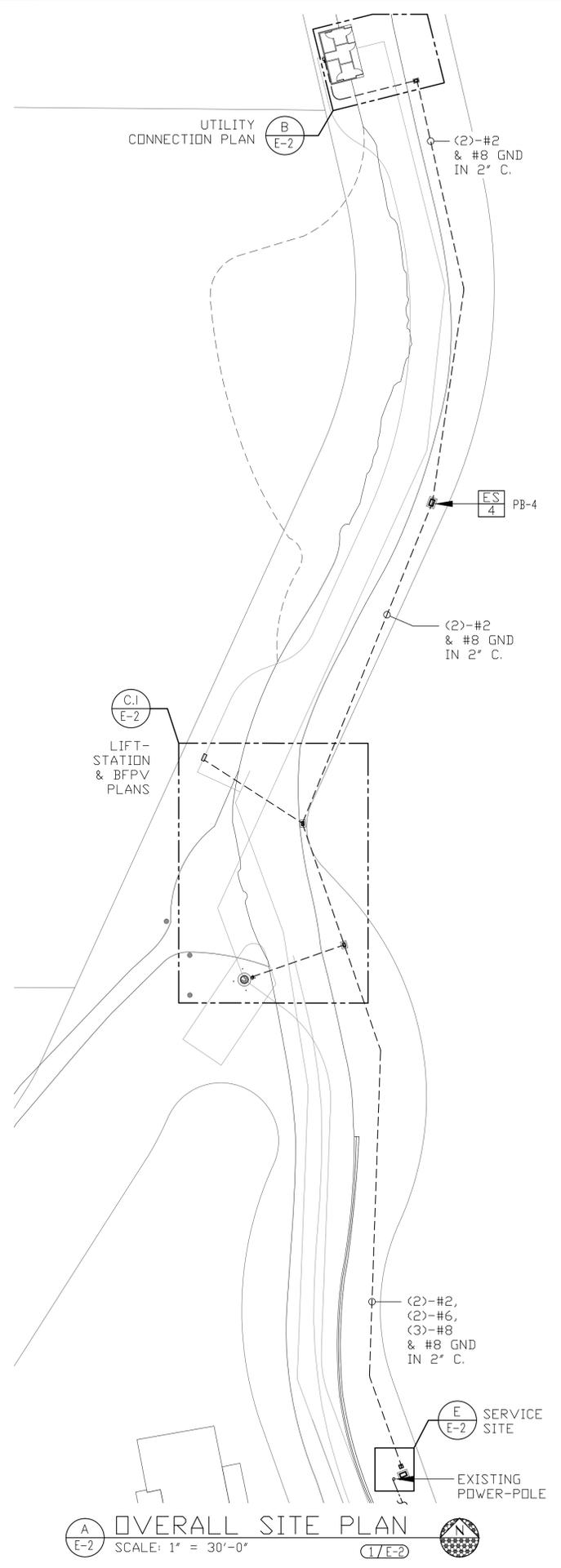
**WOOD ROGERS**  
BUILDING RELIABILITY ONE PROJECT  
1061 Corporate Center Boulevard  
Reno, NV 89502  
Tel: 775.853.4088  
Fax: 775.853.4088

NE-ADA

IMPROVEMENT PLANS FOR  
**NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT**  
LEGEND, REQUIREMENTS, & EQUIPMENT SCHEDULE

PROJ. NO. E113BD  
DRAWING E-1  
SHEET 11 OF 12

**JENSEN ENGINEERING INC.**  
Electrical Engineers  
9655 Gateway Drive  
Reno, Nevada 89521-2968  
Ph: (775) 852-2288 Fax: (775) 852-3388  
email: jenen@jnbell.net web: www.jeneng.com



**F PANEL-'LA' SCHEDULE**  
SCALE: NOT TO SCALE  
E-2

CKT	LOAD KVA		BREAKER		DESCRIPTION	DESCRIPTION	BREAKER		LOAD KVA		CKT
	A-Ø	B-Ø	AMP	P			AMP	P	A-Ø	B-Ø	
			100	2	MAIN BREAKER						
1	3.50		60	2	RESTROOM BUILDING	BFPV HEAT REC.	20	1	1.00	4	2
3		3.50				SPARE	20	1	0.00	4	4
5	2.88		30	2	GRINDER LIFT-STATION	SPARE	20	1	0.00	8	6
7		2.88				SPARE	20	1	0.00	8	8
9					SPACE	SPACE					10
11					SPACE	SPACE					12
13	0.00		30	2	SURGE PROT. DEV.	SPACE					14
15		0.00				SPACE					16
	6.38	6.38			KVA (SUBTOTAL)				1.00	0.00	
	7.38	6.38			KVA (TOTAL)						
	62.	54.			AMPERES						

REMARKS:

- SHEET NOTES:**
- APPROXIMATE LOCATION OF UTILITY COMPANY OVER-HEAD LINE/POLE & TRANSFORMER. VERIFY EXACT LOCATION OF TRANSFORMER AND REQUIREMENTS FOR PROVIDING PERMANENT POWER TO THE SITE WITH UTILITY COMPANY WORK-ORDER DRAWINGS PRIOR TO SUBMITTING A BID. INSTALLATION AND CONSTRUCTION TO CONFORM TO NV-ENERGY STANDARDS INCLUDING OVER-HEAD POWER POLES, RISERS, TRENCHING, CONDUIT, BACK-FILL, COMPACTION, INSPECTIONS, TRANSFORMER PAD, HANDHOLES /PULLBOXES, AND BOLLARDS (IF/WHERE REQUIRED).
  - PACKAGED BUILDING WIRING TO BE PRE-INSTALLED. CONNECT THE NEW BUILDING RESTROOM PANEL WIRING TO NEW TRANSFORMER FOR POWER SOURCE.
  - CONNECT GROUNDING CONDUCTOR TO NEW GROUNDING SYSTEM CONSISTING OF (2)-3/4" DIA. 10-FOOT COPPER BONDED GROUND-RODS, BONDED WITH #2 B.C. INSTALL PER NEC-250.53(A)(3).
  - CONNECT PACKAGED LIFT-STATION POWER TO DISCONNECT SWITCH. ADHERE TO NFPA-870 REQUIREMENTS REGARDING CLASSIFIED AREAS.
  - PROVIDE AND INSTALL A NEW, WEATHER-PROOF, GFCI TYPE, NEMA 5-20R RECEPTACLE ON A STAINLESS STEEL UNISTRUT POST. CONDUIT STUB-UP EXTENDING UP RECEPTACLE SHALL BE RMC-TYPE CONDUIT.
  - CONNECT TRANSFORMER PRIMARY TO DISCONNECT SWITCH 240V WITH (2)-#2 & #8 GND IN 1' C. GROUND EQUIPMENT CASING WITH #8 GND. CONNECT TRANSFORMER SECONDARY NEUTRAL TO GROUNDING ELECTRODE SYSTEM WITH #8 GND.

**JENSEN ENGINEERING INC.**  
Electrical Engineers  
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Reno, Nevada 89521-2988  
Fax (775) 852-3388  
web: www.jeneng.com

DATE: DECEMBER 2017  
SCALE: AS SHOWN  
DRAWN BY: MJE  
DESIGNED BY: MJE  
CHECKED BY: MJE

PROFESSIONAL SEAL: MICHAEL JENSEN, Exp. 6/30/19, ELECTRICAL, No. E 21568

WOOD RODGERS BUILDING RELATIONS ONE PROJECT THE NORTH KINGSBURY TRAIL HEAD BATHROOM PROJECT

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PROJECT NO. E113BD  
DRAWING E-2  
SHEET 12 OF 12