Sept. 10, 2015

SITE GRADING & DRAINAGE PLAN 1" = 10'

THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO WEBER COUNTY ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY WEBER COUNTY. ALSO, INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

DUST MUST BE KEPT TO A MINIMUM. CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTACT POWDER MOUNTAIN WATER & SEWER IMPROVEMENT DISTRICT TO LOCATE A NEARBY HYDRANT FOR USE AND TO INSTALL TEMPORARY METER.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

ALL ACCESS TO PROPERTY WILL BE FROM PUBLIC RIGHT-OF-WAYS.

THE CONTRACTOR IS REQUIRED BY STATE AND FEDERAL REGULATIONS TO PREPARE A STORM WATER POLLUTION PREVENTION PLAN AND FILE A "NOTICE OF INTENT" WITH THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY.

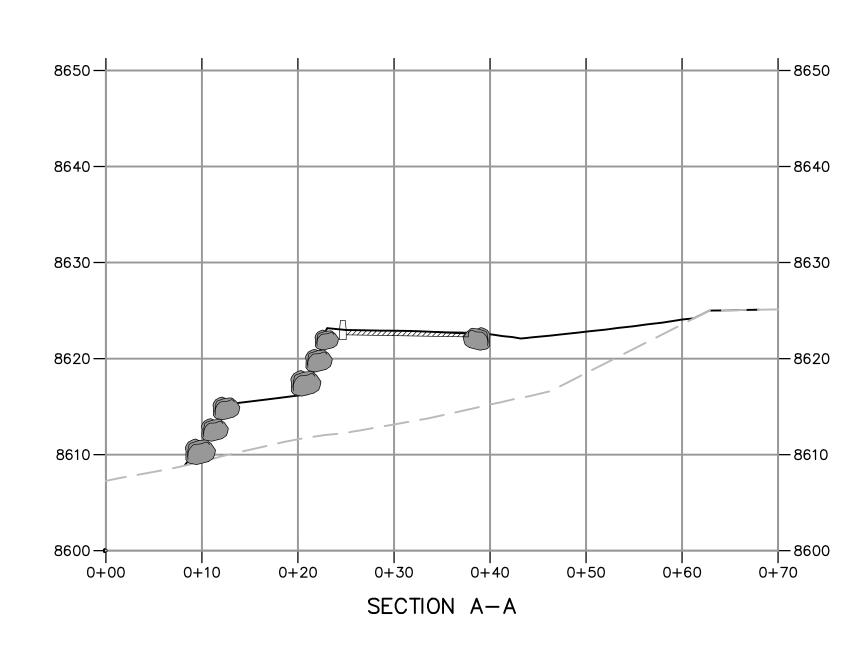
ENSURE ALL GRADING SLOPES AWAY FROM STRUCTURE AT 5% FOR A MINIMUM OF 10' PER IRC R401.3

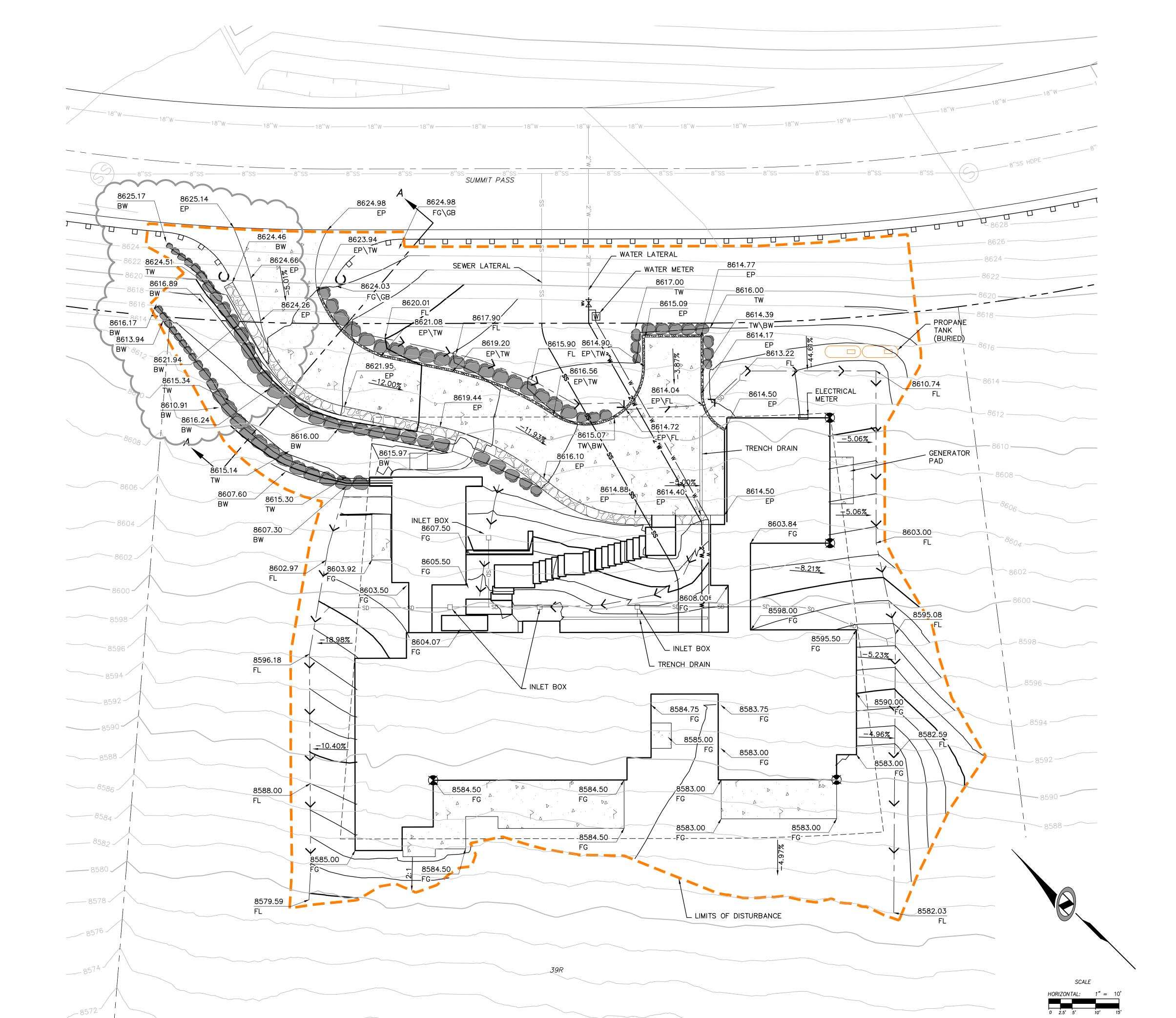
<u>Utilities:</u> Ensure minimum buried depth per building code for all buried utilities. IMPROVEMENTS, INCLUDING LANDSCAPING, SHALL NOT INTERFERE WITH THE DRAINAGE CULVERT, RIP RAP, AND DRAINAGE PATTERN ASSOCIATED WITH THE DRAINAGE EASEMENT.

I EGEND

TW TOP OF WALL

| <u>LEGENL</u> | ? | | |
|---------------|------------------|---------------------------------------|-----------------------|
| BW | BOTTOM OF WALL | | ROADSIDE BARRIER |
| | | | NOADSIDE BANNEN |
| EP . | EDGE OF PAVEMENT | | LIMITS OF DISTURBANCE |
| EX | EXISTING | | EMILIO OI DISTORDINOL |
| FL | FLOWLINE | | ROCKERY WALL SEE IGES |
| FT | FEET | | DRAWINGS AND REPORT |
| LF | LINEAR FEET | | |
| LP | LOW POINT | | |
| SS | SANITARY SEWER | , A | CONCRETE DRIVEWAY |
| SD | STORM DRAIN | · · · · · · · · · · · · · · · · · · · | |
| | | | |





THE CONTRACTOR TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO WEBER COUNTY ORDINANCES AND ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTY. ALSO, INSPECTORS WILL HAVE THE RIGHT TO CHANGE THE FACILITIES AS NEEDED.

CONTRACTOR SHALL KEEP THE SITE WATERED TO CONTROL DUST. CONTRACTOR TO LOCATE A NEARBY HYDRANT FOR USE AND TO INSTALL TEMPORARY METER. CONSTRUCTION WATER COST TO BE INCLUDED IN BID.

WHEN GRADING OPERATIONS ARE COMPLETED AND THE DISTURBED GROUND IS LEFT "OPEN" FOR 14 DAYS OR MORE, THE AREA SHALL BE FURROWED PARALLEL TO THE CONTOURS.

THE CONTRACTOR SHALL MODIFY EROSION CONTROL MEASURES TO ACCOMMODATE PROJECT PLANNING.

ALL ACCESS TO PROPERTY WILL BE FROM PUBLIC RIGHT-OF-WAYS. THE CONTRACTOR IS REQUIRED BY STATE AND FEDERAL REGULATIONS TO

INTENT" WITH THE UTAH DIVISION OF WATER QUALITY. **MAINTENANCE:**

ALL BEST MANAGEMENT PRACTICES (BMP'S) SHOWN ON THIS PLAN MUST BE MAINTAINED AT ALL TIMES UNTIL VEGETATION IS RE-ESTABLISHED.

PREPARE A STORM WATER POLLUTION PREVENTION PLAN AND FILE A "NOTICE OF

THE CONTRACTOR'S RESPONSIBILITY SHALL INCLUDE MAKING BI-WEEKLY CHECKS ON ALL EROSION CONTROL MEASURES TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS NECESSARY. CHECKS SHALL BE DOCUMENTED AND COPIES OF THE INSPECTIONS KEPT ON SITE.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF BARRIER.

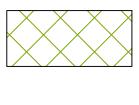
SEDIMENT TRACKED ONTO PAVED ROADS MUST BE CLEANED UP AS SOON AS PRACTICAL, BUT IN NO CASE LATER THAN THE END OF THE NORMAL WORK DAY. THE CLEAN UP WILL INCLUDE SWEEPING OF THE TRACKED MATERIAL, PICKING IT UP, AND DEPOSITING IT TO A CONTAINED AREA.

EXPOSED SLOPES:
ANY EXPOSED SLOPE THAT WILL REMAIN UNTOUCHED FOR LONGER THAN 14 DAYS MUST BE STABILIZED BY ONE OR MORE OF THE FOLLOWING METHODS:

- A) SPRAYING DISTURBED AREAS WITH A TACKIFIER VIA HYDROSEED B) TRACKING STRAW PERPENDICULAR TO SLOPES
- C) INSTALLING A LIGHT-WEIGHT, TEMPORARY EROSION CONTROL BLANKET

SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:



HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEEDED FOR NATURAL VEGETATION. AREAS RECEIVING SEEDING FOR NATURAL REVEGETATION MUST BE COVERED WITH AN EROSION CONTROL BLANKET AFTER THE FINAL GRADING AND SEEDING ARE FINISHED. INSTALL NORTH AMERICAN GREEN SC-150 BLANKET OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS. INSTALL NORTH AMERICAN GREEN P300 EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 1.5:1.



STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED.



INSTALL INLET PROTECTION IN FORM OF CONCRETE BLOCKS / FILTER CLOTH / GRAVEL OR SILT SACK AT EXISTING AND PROPOSED CATCH BASINS AS SHOWN ON PLAN.

INSTALL SILT FENCE ALONG DOWN GRADIENT LIMITS OF

INSTALL ORANGE SAFETY FENCING AROUND OUTER LIMITS OF PROJECT PRIOR TO GRADING.

DISTURBANCE AS SHOWN ON PLAN.

★ SEED MIXTURE FOR REVEGITATION

40% MOUNTAIN BROME (BROMUS MARGINATUS)

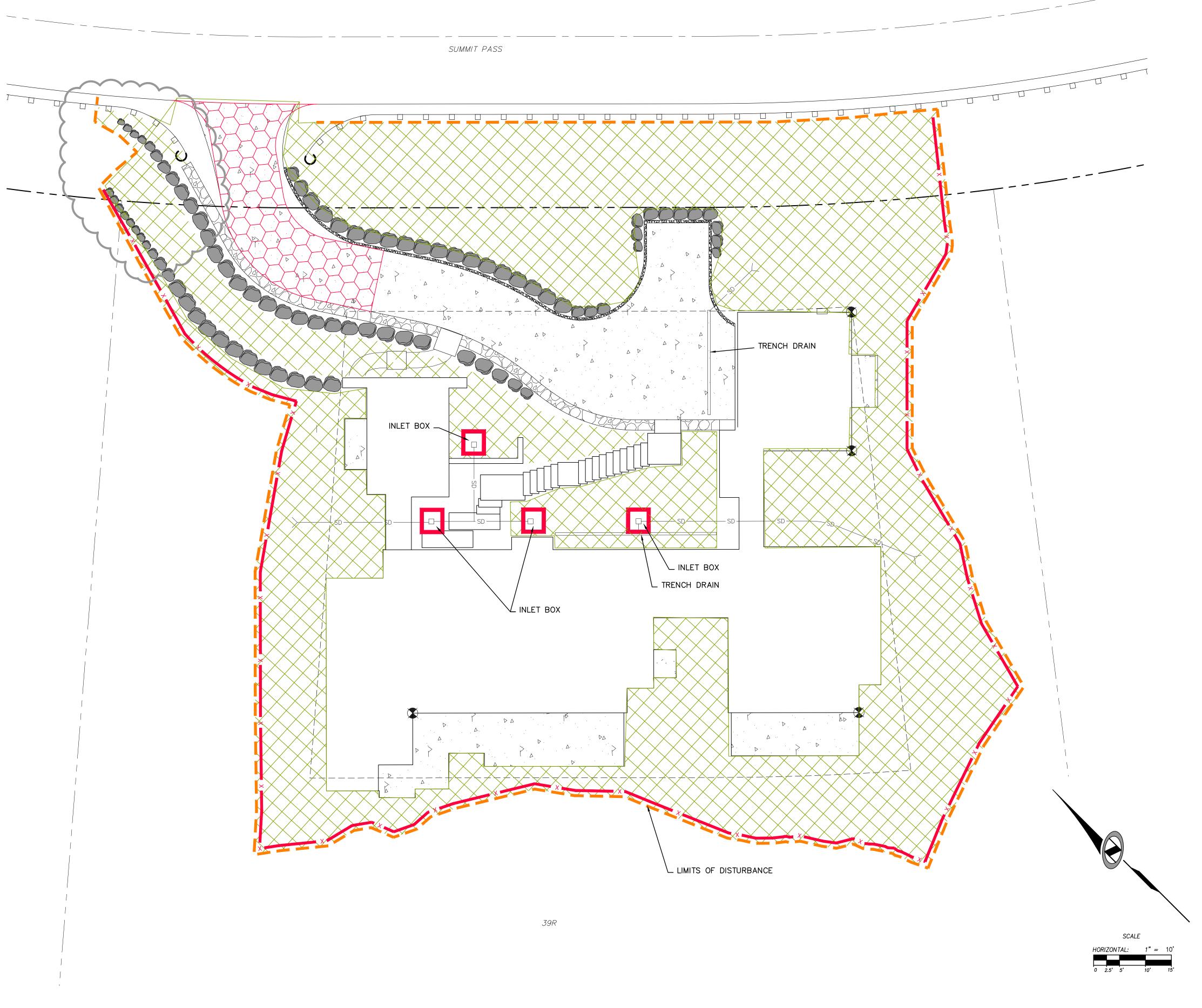
25% SLENDER WHEATGRASS (ELYMUS TRACHYCAULUS SSP. TRACHYCAULUS)

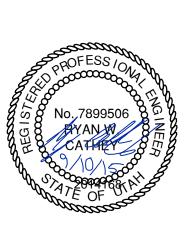
5% SHEEP FESCUE (FESTUCA OVINA SPP. DURIUSCULA)

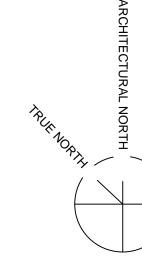
5% ALPINE BLUEGRASS (POA ALPINE)

25% THICKSPIKE WHEATGRASS (ELYMUS LANCEOLATUS SSP. LANCEOLATUS)

SEEDING RATE IS 40 POUNDS PER ACRE.







Sept. 10, 2015

39 8365

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C3.1



NON TRAFFIC INSTALLATION

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER

UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

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NYLOPLAST 12" INLINE DRAIN: 2712AG _ _ X

GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I OR CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL

FOR SURFACE DRAINAGE INLETS SHALL BE WELL PLACED & COMPACTED

INLINE DRAIN

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I OR

UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

ST DWG SIZE A SCALE 1:25 SHEET 1 OF 1 DWG NO. 7001-110-111 REV D

18" MIN WIDTH GUIDELINE

8" MIN THICKNESS GUIDELINE

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR

GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE

- DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS,

(3) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:

4" - 12" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, - ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC

TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION.

DWG SIZE A SCALE 1:20 SHEET 1 OF 1 DWG NO. 7003-110-025 REV D

CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE WELL PLACED & COMPACTED

BUFORD, GA 30518

Nyloplast FAX (770) 932-2490 www.nyloplast-us.cor

DRAIN BASIN & INLINE DRAIN NON TRAFFIC INSTALLATION

GRATE/COVER

TOP SOIL

DRAIN BASIN

GRATE/COVER

(1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

INVERT ACCORDING TO

PLANS/TAKE OFF

MINIMUM PIPE BURIAL

DEPTH PER PIPE

MANUFACTURER

RECOMMENDATION

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I OR CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

- FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.

- DIMENSIONS ARE IN INCHES

3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO

ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL),

4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.

6 - SEE DRAWING NO. 7001-110-275 FOR ADS N-12 & HANCOR DUAL WALL BELL

INFORMATION & DRAWING NO. 7001-110-364 FOR N-12 HP BELL INFORMATION.

- GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05,
THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH DRAWN BY EBC MATERIAL

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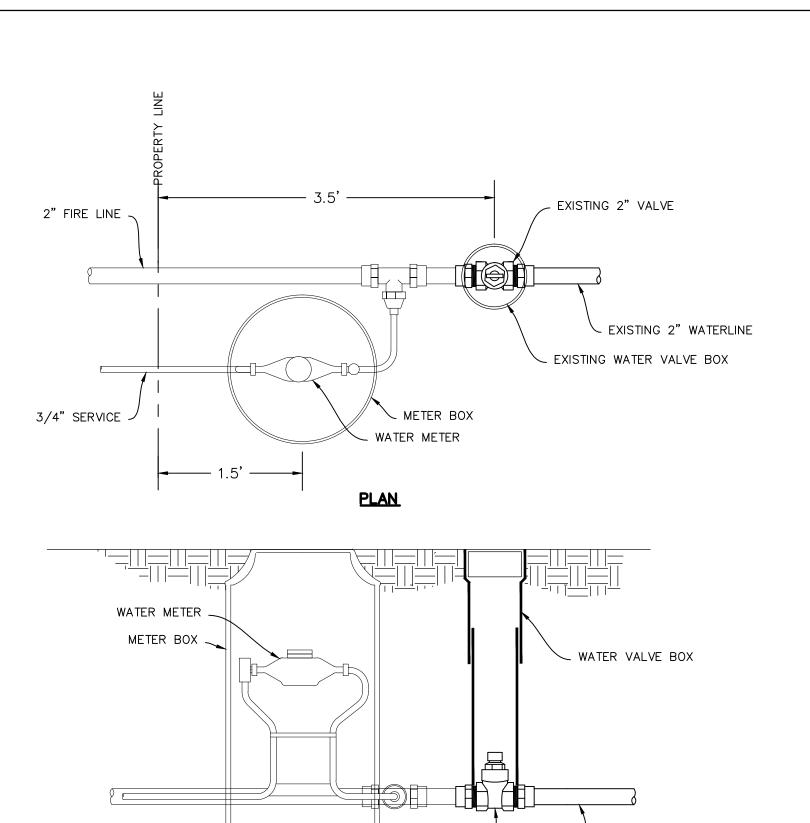
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TOP SOIL -

4" MIN ON 8" - 24" 6" MIN ON 30"



SEWER LATERAL CONNECTION

WYE MAY BE INSTALLED AT A 45° ANGLE TO ACCOMMODATE

BRINGING PRESSURE LINE
PAST CLEANOUT STANDPIPE

SANITARY SEWER— CLEANOUT AND PROTECTIVE BOX

7' MIN.

ALL JOINTS SHALL BE SOLVENT WELD JOINT.

PRESSURE TEST PRESSURIZED LATERAL BEFORE CONNECTING TO WYE.

ARRANGE TEST SO THAT FINAL CONNECTION DOES NOT DISTURB PRESSURE TEST,

PRESSURIZED LINE COMPONENTS OR FITTINGS.

4. AFTER CONNECTION OF THE PRESSURIZED LINE AT WYE, TEST FULL ASSEMBLY TO 5 PSI.

FOUNDATION

PRESSURE LATERAL TO EJECTOR PUMP

MARK END OF— SEWER LATERAL STUB W\STAKE

INSTALL TEST-TEE WITH PLUG

-INSTALL UTILITY WARNING TAPE 2'-3' ABOVE PIPE

TO SEWER MAIN (1/4" PER FOOT)

RESTRAINED COUPLING

WITH CONCRETE

—STUB AND CAP FOR

FUTURE CONNECTION

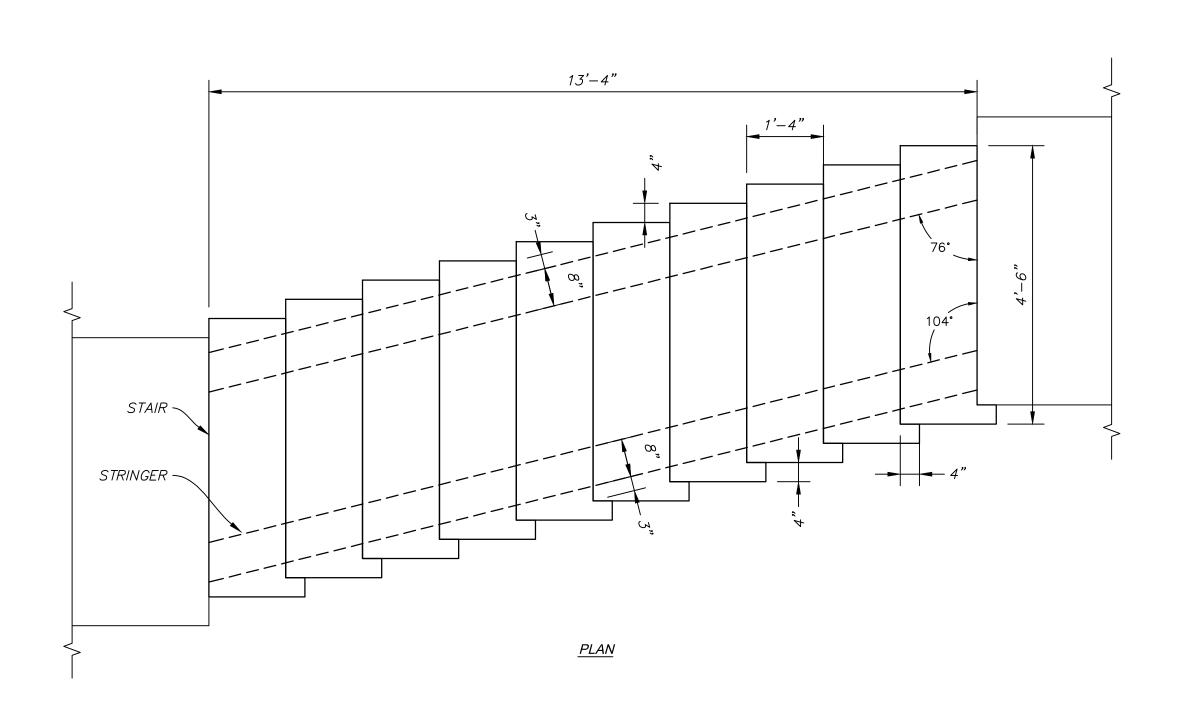
LATERAL STUB FROM MAIN

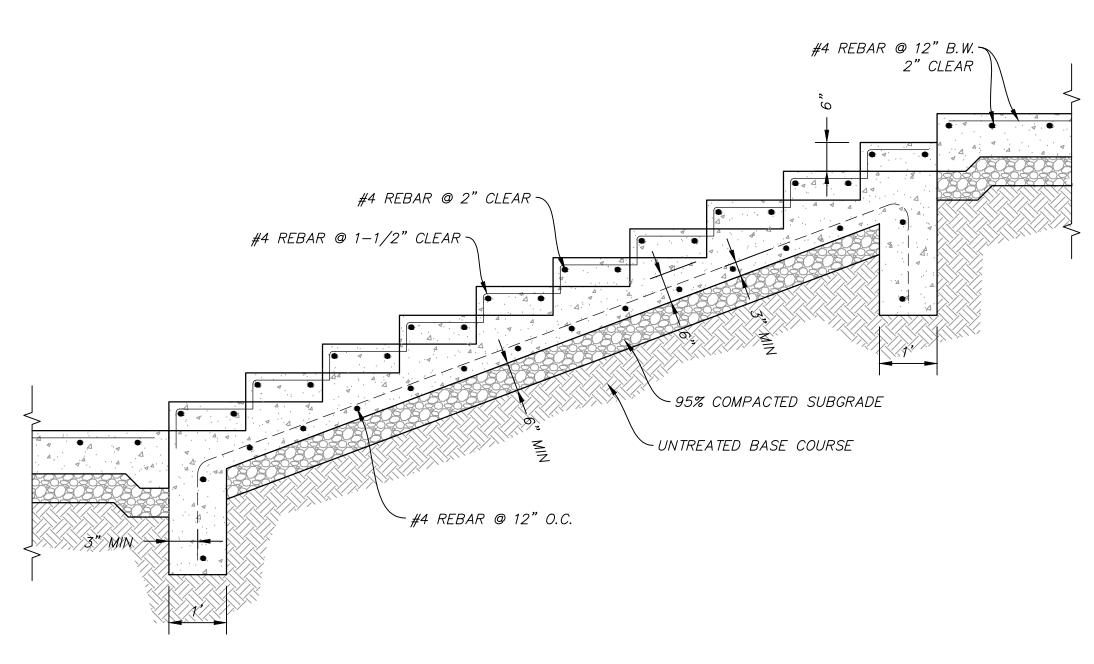
CONNECT TO SEWER MAIN PER APWA STANDARD PLAN 431 AND SPECIFICATIONS



<u>SECTION</u>

2" WATERLINE





C TYPICAL STAIR AND REINFORCEMENT DETAIL

SCALE: 1" = N.T.S.

<u>PROFILE</u>



BUFORD, GA 30518

PHN (770) 932-2443

Nyloplast* FAX (770) 932-2490 www.nyloplast-us.co

12 IN INLINE DRAIN QUICK SPEC INSTALLATION DETAIL

SITE GRADING & DRAINAGE PLAN 1" = 10'

