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GENER	AL NOTES: RETAINING WALL DESIGN: THE DESIGN OF THE SEGMENTAL RETAINING WALLS IS IN ACCORDANCE WITH NOMA AND INCLUDES EXTERNAL CONNECTION	 7. UNIT INSTALLATION: 7.1. THE FIRST COURSE OF SEGMENTAL CONCRETE FOR LEVEL ALIGNMENT, AND FULL CONTACT
	STABILITY; SLIDING AND OVERTURNING OF THE REINFORCED MASS, AND INTERNAL STABILITY; FULLOUT, CONNECTION STRENGTH AND TENSILE STRENGTH OF THE GEOGRID AS WELL AS FACIAL STABILITY OF THE FACE UNITS. THE APPLIED BEARING PRESSURES ARE LISTED ON THE INDIVIDUAL ELEVATIONS.	7.2. UNITS SHALL BE PLACED SIDE BY SIDE FOR F
1.2.	THE DESIGN OF THE SEGMENTAL RETAINING WALLS IS BASED ON THE FOLLOWING DOCUMENTS:	7.3. PLACE DRAINAGE AGGREGATE A MINIMUM OF
1.3.	DRAWING 4 DATED 7/14/2015 PREPARED BY BAX. THE DESIGN OF THE SEGMENTAL RETAINING WALL IS BASED ON THE INDIVIDUAL SOIL PROPERTIES AS LISTED ON THE	AGGREGATE WITH 2 PASSES OF A VIBRATOR NOT REQUIRED. EXCESS MATERIAL SHALL BE
	ELEVATIONS AS WELL AS THE FOLLOWING CRITERIA: SEISMIC ACCELERATION = N/A	7.4. LAY UP EACH COURSE INSURING POSITIVE CO
	GROUND WATER LOCATION = 2H/3 BELOW THE TOP OF LEVEL PAD (WHERE H = HEIGHT OF WALL)	8. GEOGRID INSTALLATION: 8.1. GEOGRID SHALL BE LAID AT THE PROPER ELEV
	HYDROSTATIC LOADING = NONE SURCHARGE LOADING = SEE WALL ELEVATION(S)	8.2. THE GEOGRID REINFORCEMENT SHALL BE LAI THE BLOCK.
2.	SETTLEMENT: SEGMENTAL RETAINING WALLS ARE FLEXIBLE MASSES THAT CAN TOLERATE MINOR SETTLEMENT. ROSCH	8.3. PLACE GEOGRID ON CONCRETE WALL UNITS, GEOGRID TIGHT PRIOR TO BACKFILLING.
۲.۱. ۲	ENGINEERING SHALL BE NOTIFIED OF ANY SETTLEMENT SENSITIVE RIGID MASSES FOUNDED ON OR ABOVE THE SEGMENTAL RETAINING WALL.	8.4. GEOGRID SHALL BE LAID AT THE PROPER ELEV
3. 3.1.	MATERIAL PROPERTIES: SEGMENTAL CONCRETE WALL UNITS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C1372 HAVING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3 000 PSI AND A MAXIMUM MOISTURE ABSORPTION OF 8%. ALL	8.5. CORRECT ORIENTATION OF THE GEOGRID SH 8.6. 3" OF REINFORCED BACKFILL SHALL BE PLACE
	UNITS SHALL BE SOUND AND FREE OF CRACKS OR OTHER DEFECTS THAT WOULD INTERFERE WITH THE PROPER PLACING OF THE UNIT OR SIGNIFICANTLY IMPAIR THE STRENGTH OR PERFORMANCE OF THE CONSTRUCTION.	9. BACKFILL PLACEMENT: 9.1 RFINFORCED BACKFILL MATERIAL SHALL BE P
3.2.	DRAINAGE ROCK SHALL BE A CLEAN CRUSHED STONE OR GRANULAR FILL SUCH AS 1" CLEAN MEETING THE FOLLOWING GRADATION AS DETERMINED IN ACCORDANCE WITH ASTM D 422:	STANDARD PROCTOR DENSITY (ASTM D 698)
	SIEVE SIZE PERCENT PASSING TINCH TOO 3/4 INCH 75-100	DENSITY TESTING TESTING WILL NOT BE REQU
	NO. 4 0-60 NO. 40 0-50 NO. 200 0-5	UNLESS NOTED OTHERWISE.
3.3.	COMPACTED ROCK SHALL BE FREE OF ORGANIC MATERIAL. THE ROCK SHALL BE A WELL GRADED GRAVEL OR LIMESTONE WITH A MAXIMUM PARTICLE SIZE OF 2" AND A MAXIMUM OF 20% PASSING A NO. 200 SIEVE.	DEVELOPMENT OF WRINKLES AND/OR MOVEN
3.4.	LIMESTONE SCREENINGS MEETING THESE REQUIREMENTS ARE ACCEPTABLE.	9.5. REINFORCED BACKFILL SHALL DE FLACED AND EMBANKMENT TO INSURE THAT THE GEOGRID
	10% SHALL BE RETAINED ON A NO. 4 SIEVE AND NO LESS THAN 35% SHALL PASS A NO. 200 SIEVE. MATERIAL WITH A USC DESIGNATION OF ML, CL, OR OL ARE ACCEPTABLE FOR USE AS LOW PERMEABLE SOIL.	9.6. TRACKED CONSTRUCTION EQUIPMENT SHALL THICKNESS OF 6" SHALL BE MAINTAINED TO TRACKED CONSTRUCTION EQUIPMENT SHALL
3.5.	THE GEOGRID SHALL BE A HIGH DENSITY POLYETHYLENE EXPANDED SHEET OR POLYESTER WOVEN FIBER MATERIAL, SPECIFICALLY FABRICATED FOR USE AS SOIL REINFORCEMENT. ACCEPTABLE GEOGRID TYPES AND MANUFACTURER AS FOLLOWS:	FILL AND DAMAGING THE GEOGRID. 9.7. AT THE END OF EACH DAYS OPERATION, SLO
	STRATAGRID 200 BY STRATA SYSTEMS, INC. OR SF35 BY SYNTEEN TECHNICAL FABRICS, INC. STRATAGRID 350 BY STRATA SYSTEMS, INC. OR SF55 BY SYNTEEN TECHNICAL FABRICS, INC.	INTERIOR (CONCEALED) FACE OF THE WALL TO 9.7.1. IT IS THE RESPONSIBILITY OF THE GENER DIRECTED AWAY FROM THE RETAINING W 9.7.2. IT IS THE RESPONSIBILITY OF THE GENER
3.6.	GEOTEXTILE FILTER FABRIC SHALL BE A NONWOVEN GEOTEXTILE COMPOSED OF POLYPROPYLENE FIBERS WITH A	ADJACENT CONSTRUCTION AREAS IS NO CONSTRUCTION SITE.
3.7.	DRAINAGE PIPE SHALL BE A 4"Ø PERFORATED OR SLOTTED PVC OR CORRUGATED HDPE PIPE.	10. DRAIN PIPE INSTALLATION: 10.1. DRAINAGE COLLECTION PIPES SHALL BE INST REINFORCED SOIL ZONE. THE DRAINAGE COL
3.8.	DRAINAGE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM F 405 OR ASTM F 758.	DAYLIGHT THROUGH THE FACE OF THE WALL.
3.9.	CONSTRUCTION ADRESIVE STALL DE EXTENOR GRADE ADRESIVE AS RECOMMENDED DY THE SECONDARY OF CONCRETE WALL UNIT MANUFACTURER.	FLOW INTO THE MAIN COLLECTION DRAIN PIPE OC.
4.1.	THE CONTRACTOR SHALL EXCAVATE TO THE LINES AND GRADES SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MINIMIZE OVER-EXCAVATION.	 I.I. CAP INSTALLATION: I.I. CAP UNITS SHALL BE ADHERED TO THE TOP L BEADS OF ADHESIVE ON EACH UNIT ALONG T THE ADHESIVE AND ALLOW TO CURE
4.2.	IS THE RESPONSIBILITY OF THE CONTRACTOR.	12. FIELD QUALITY CONTROL:
5.	FOUNDATION SUIL PREPARATION: FOLLOWING EXCAVATION FOR THE LEVELING PAD AND THE REINFORCED SOIL ZONE, FOUNDATION SOIL SHALL BE EXAMINED BY THE OWNER'S GEOTECHNICAL ENGINEER TO ASSURE THE ACTUAL FOUNDATION SOIL STRENGTH MEETS	THIRD PARTY INSPECTOR TO OBSERVE AND V OF ALL SYSTEM COMPONENTS TO MEET THE
「豊」	CREMOVED AND REPLACED WITH SOIL MEETING THE DESIGN CRITERIA, AS DIRECTED BY THE OWNER'S GEOTECHNICAL ENGINEER.	I 2.2. TESTING METHODS, FREQUENCY AND VERIFIC THE INDEPENDENT THIRD PARTY INSPECTOR.
5.2.	FOUNDATION SOIL IS DEFINED AS THE SOIL UNDER THE SEGMENTAL RETAINING WALL VOLUME, EXTENDING FROM THE TOE OF THE LEVELING PAD TO THE BACK OF THE REINFORCED MASS.	13. ABBREVIATIONS: TF TOP OF FOOTING ELEVATION TW TOP OF WALL ELEVATION
6. 6.1.	BASE LEVELING PAD INSTALLATION: LEVELING PAD SHALL BE PLACED AS SHOWN ON THE DRAWINGS AS FOLLOWS: (LEAN CONCRETE (2,000 PSI) - 6" MINIMUM THICK	ROSCH E BASED C
6.2.	SWELL GRADED I" GRAVEL WITH FINES - 6" MINIMUM THICK SAND OR GRAVEL BASE SHALL BE COMPACTED WITH 3 PASSES OF A VIBRATORY COMPACTOR TO PROVIDE A FIRM, LEVEL BEARING PAD.	AND KNO THE OWN INSPECTO
6.3.	LEAN CONCRETE SHALL CURE A MINIMUM OF 12 HOURS PRIOR TO UNIT PLACEMENT.	ANY CHA VARY FR
6.4.	LEVELING PAD SHALL BE CONSTRUCTED TO INSURE FULL BEARING OF RETAINING WALL UNITS.	
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	510.00 56200 56200 56200 56200	510.00
	56200 56200 56200 56200	and the second
	FINISHED	505.00
1	TF=506.00	BOTTOM
	O O	OF WALL STA 0+0
· · · · ·	STA 0- TF= 50 STA 1- TF= 50 STA 1- TF= 50	
*	GEOGRID LENGTH 4'-6" REQ'D BEARING CAPACITY 1,000 PSF F	GEOGRID LENGTH REQ'D BEARING CAPACITY
1		
. 8	7 WALL ELEVATION	8 PLAN
	SCALE: 1"=5'-0" VERTICAL	

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a the state of the transformed and the state of the state TE WALL UNITS SHALL BE PLACED ON THE LEVELING PAD AND CHECKED WITH BASE.

FULL LENGTH OF WALL. ALIGNMENT SHALL BE DONE BY MEANS OF A OM BASE LINE.

I 2" DIRECTLY BEHIND AND BETWEEN THE UNITS AND LEVEL WITH THE KFILL DIRECTLY AGAINST DRAINAGE FILL. COMPACT DRAINAGE RY COMPACTOR. COMPACTION TESTING OF DRAINAGE AGGREGATE IS E REMOVED FROM TOP OF UNITS PRIOR TO INSTALLATION OF NEXT

ONTACT BETWEEN PREVIOUS COURSE IS ACHIEVED.

VATION AND ORIENTATION AS SHOWN ON THE DRAWINGS. ID HORIZONTALLY ON LEVEL, COMPACTED BACKFILL, AND EMBEDDED IN

PLACE THE NEXT COURSE OF UNITS, PLACE THE DRAINAGE FILL, PULL

EVATION AND ORIENTATION AS SHOWN ON THE DRAWINGS.

HALL BE VERIFIED. ED BETWEEN ALL LOCATIONS OF OVERLAPPING GEOGRID.

PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO A MINIMUM 95% OF

H A MINIMUM OF 2 PASSES OF A VIBRATORY COMPACTOR. FIELD UIRED FOR DRAINAGE ROCK.

ACTION EQUIPMENT SHALL BE USED OVER THE REINFORCED ZONE

PREAD, AND COMPACTED IN SUCH A MANNER THAT ELIMINATES THE MENT OF THE GEOGRID.

D COMPACTED FROM THE BACK OF THE WALL REARWARD INTO THE REMAINS TIGHT.

NOT BE OPERATED DIRECTLY ON THE GEOGRID. A MINIMUM BACKFILL OPERATE TRACKED VEHICLES OVER THE GEOGRID. TURNING OF L BE KEPT TO A MINIMUM TO PREVENT TRACKS FROM DISPLACING THE

DPE THE LAST LEVEL OF COMPACTED BACKFILL AWAY FROM THE O DIRECT SURFACE WATER RUNOFF FROM THE WALL FACE. CAL CONTRACTOR TO ENSURE THAT THE FINISHED SITEDRAINAGE IS ALL SYSTEM

AL CONTRACTOR TO ENSURE THAT THE SURFACE WATER RUNOFF FROM DT ALLOWED TO ENTER THE RETAINING WALL AREA OF THE

ALLED TO MAINTAIN GRAVITY FLOW OF WATER OUTSIDE OF THE LLECTION PIPE SHOULD CONNECT INTO A STORM SEWER MANHOLE OR

SHALL BE SLOPED A MINIMUM OF TWO PERCENT TO PROVIDE GRAVITY . DRAINAGE LATERALS SHALL BE SPACED AT A MAXIMUM OF 50 FT

JNITS USING MANUFACTURER SUPPLIED ADHESIVE BY PLACING TWO 1/4" THE ENTIRE LENGTH OF THE WALL. PRESS THE CAP UNITS FIRMLY INTO

RESPONSIBLE FOR ENGAGING THE SERVICES OF AN INDEPENDENT /ERIFY ALL SOIL PROPERTIES AS WELL AS VERIFY CORRECT INSTALLATION REQUIREMENTS OF THESE GENERAL NOTES AND DRAWINGS. CATION OF MATERIAL SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF

NGINEERING HAS PERFORMED DESIGN CALCULATIONS IN THE DESIGN CRITERIA. ASSUMED SOIL PARAMETERS. OWN LOADING CONDITIONS AS LISTED IN THESE DRAWINGS. NERS REPRESENTATIVE, INDEPENDENT THIRD PARTY SPECIAL OR AND INSTALLER SHALL NOTIFY ROSCH ENGINEERING OF NGES OR DIFFERENCES IN ACTUAL SITE CONDITIONS WHICH OM THOSE LISTED, PRIOR TO CONSTRUCTING THE WALL.

HW-9095 BU-5088 | BK-902 | ~ N84%7001E/ |125.12 、外、近人的、私意識的工作和。林 STA 0+50.00 STA 1+00.00 -- STA 1+11.00 ----- FRONT FACE OF WALL

VIEW OF WALL O'-O" HORIZONTAL

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THIS WALL PLAN IS INTENDED FOR GENERAL LOCATION PURPOSES ONLY. REFER TO PROJECT SITE PLANS FOR SPECIFIC DIMENSIONS.

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	BLOCK PROPERTIES	
BLOCK TYPE		ROCKWOOD
BLOCK STYLE		CLASSIC 8"