

ZONING REQUIREMENTS:

PROPOSED LAND USE: WATER TREATMENT FACILITY			
ZONE RA-25, RURAL RESIDENTIAL		BLOCK 254 LOT 84	
BULK REGULATIONS		REQUIRED	PROVIDED
MINIMUM LOT REQUIREMENTS	AREA (SQUARE FEET) LOT WIDTH AND FRONTAGE (FEET) DEPTH (FEET)	25,000 125 150	366,580* 700* N/A
PRINCIPAL BUILDING SET BACK	FRONT YARD (FEET) EACH SIDE (FEET) REAR (FEET)	40 30 40	40 250 N/A
ACCESSORY BUILDING (EXISTING)	EACH SIDE (FEET) REAR (FEET)	15 20	N/A* N/A*
MAXIMUM BUILDING HEIGHT	(STORIES) (FEET)	2.5 35	1 30
MINIMUM HABITABLE FLOOR AREA PER DWELLING UNIT	(SQUARE FEET)	1,200	N/A
MAXIMUM LOT COVERAGE	PRINCIPAL BUILDING (%) ACCESSORY BUILDING (%)	15 20	1.1 0.2
MINIMUM BUFFER AREA	N/A		

LIGHTING CHART

LENGTH (IN.)	11.5
WIDTH (IN.)	9
HEIGHT ON WALL (FT.)	10
AREA ON WALL (M ²)	103
DIRECTION OF ILLUMINATION:	DOWN
LUMEN POWER (LUMENS):	2,000

LEGEND:

- PROPOSED DRIVEWAY
- PROPERTY BOUNDARY (LOT 83)
- LIMIT OF DISTURBANCE / SILT FENCE

* EXISTING CONDITION

* UNLESS OTHERWISE SHOWN, THE LIMIT OF DISTURBANCE AND SILT FENCE COINCIDE WITH THE PROPERTY BOUNDARY ON SITE.

SITE PLAN

- NOTES:**
- HALF TONE LINE WEIGHT INDICATES EXISTING CONDITIONS, UTILITIES AND EQUIPMENT.
 - FULL TONE LINE WEIGHT INDICATES NEW WORK, UTILITIES AND EQUIPMENT PROVIDED AND INSTALLED BY THE CONTRACTOR OR EXISTING UTILITIES AND EQUIPMENT WHERE MODIFICATION WORK IS REQUIRED.

APPROVED BY THE TOWNSHIP OF WYCKOFF PLANNING BOARD

CHAIRMAN:

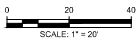
 ATTESTED TO BY _____ DATE _____

TOWNSHIP ENGINEER:

 ATTESTED TO BY _____ DATE _____

SECRETARY:

 ATTESTED TO BY _____ DATE _____



MOTT MACDONALD
 111 Wood Avenue South
 Iselin, New Jersey 08830-1005
 United States
 T +1 973-378-3400
 F +1 973-376-1072
 www.motmacdonald.com

RIDGEWOOD WATER
 111 NORTH MAPLE AVENUE
 RIDGEWOOD, NJ 07450

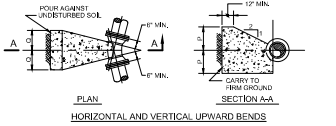
0	11/4/22	RM	WYCKOFF SITE PLAN APPLICATION	SBP	ECS
Rev	Date	Drawn	Description	Chk'd	App'd

EARL C. SCHNEIDER
 NJ PROFESSIONAL ENGINEER LIC. NO. 39397

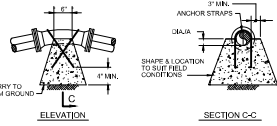
Project Number: **507102802**
 B/O: **4**
 Total: **10**

Designed	A. GREEN	Eng check	S. PENDERGRASS
Drawn	A. GREEN	Coordination	S. PENDERGRASS
Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER
Scale at ANSI D	Status	Rev	Security
1" = 20'	90%	0	STD
Drawing Number	C102		

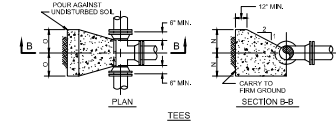
RIDGEWOOD WATER PFAS TREATMENT FACILITIES CIVIL AMES TREATMENT FACILITY SITE PLAN



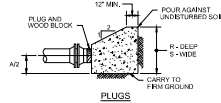
HORIZONTAL AND VERTICAL UPWARD BENDS



VERTICAL DOWNWARD BENDS



TEES



PLUGS

THRUST BLOCKS FOR TEES, HORIZ. & VERTICAL BENDS AND PLUGS				
DESCRIPTION	DIMENSION	6" Ø	8" Ø	
TEES	N	1'-6"	1'-6"	
	D	1'-3"	1'-2"	
90° BENDS	P	1'-4"	1'-2"	
	Q	1'-1 1/2"	2'-2"	
45° BENDS	P	1'-2"	1'-4"	
	Q	1'-2"	1'-2"	
22 1/2° BENDS	P	0'-8"	1'-2"	
	Q	0'-10"	1'-2"	
1 1/4° BENDS	P	0'-8"	1'-2"	
	Q	0'-6"	0'-7"	
45° BENDS	MIN. CONC. ANCHORAGE	2 CY	3.4 CY	
22 1/2° BENDS	MIN. CONC. ANCHORAGE	1.1 CY	1.9 CY	
1 1/4° BENDS	MIN. CONC. ANCHORAGE	0.8 CY	1.0 CY	
PLUGS	R	3'-0"	3'-0"	
	S	2'-4"	3'-0"	

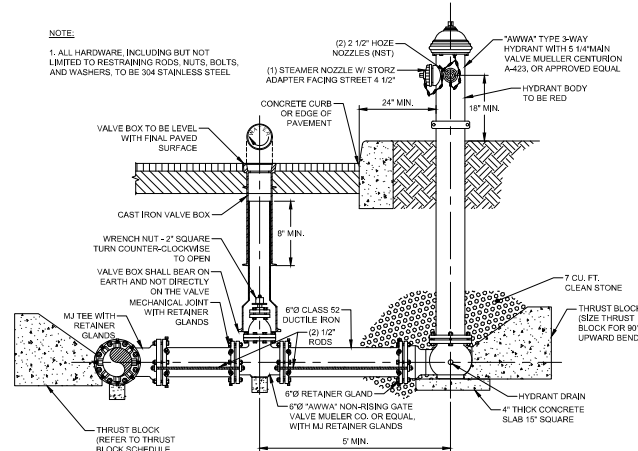
THRUST BLOCK DETAIL 1

NTS

THRUST BLOCKS DESIGNED FOR 200 LB. PER SQ. IN. TEST PRESSURE AND 2000 LB. PER SQ. FT. SOIL PRESSURE.
 * MIN. CONC. ANCHORAGE WITHOUT BACKFILL AND NO GROUND WATER CONDITION.

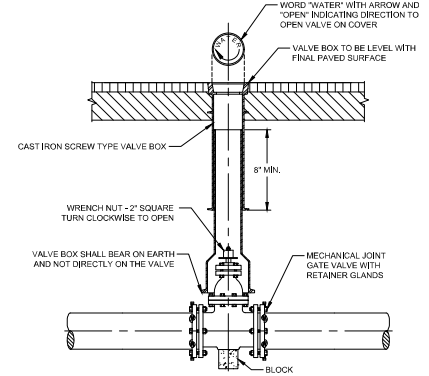
NOTE:

1. ALL HARDWARE, INCLUDING BUT NOT LIMITED TO RESTRAINING RODS, NUTS, BOLTS, AND WASHERS, TO BE 304 STAINLESS STEEL.



FIRE HYDRANT INSTALLATION DETAIL 2

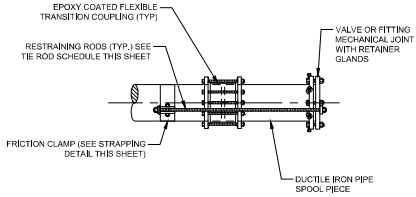
NTS



GATE VALVE INSTALLATION DETAIL 3

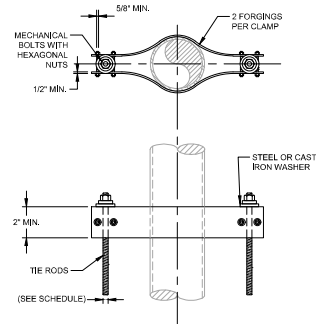
NTS

1. MECHANICAL JOINT SOLID SLEEVES SHALL BE REQUIRED WHEN CONNECTING TO EXISTING DUCTILE IRON WATER MAIN. WHENEVER CONNECTING TO EXISTING CAST IRON WATER MAIN, FLEXIBLE COUPLINGS SHALL BE USED AND RESTRAINED AS SHOWN IN THE FLEXIBLE COUPLING DETAIL. INSTALLATION OF GATE VALVES ON EXISTING WATER MAIN SHALL BE PERFORMED DURING A FOUR HOUR SHUT-DOWN TO BE COORDINATED WITH THE OWNER.



FLEXIBLE COUPLING DETAIL 4

NTS

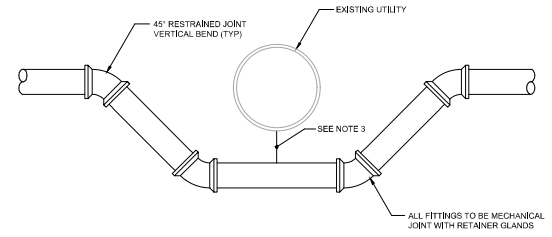


NOTE:
 1. TO BE ONLY USED WHERE DIRECTED AND AS APPROVED BY THE ENGINEER

NOMINAL PIPE DIAMETER	NUMBER OF RODS	ROD DIAMETER
6" Ø	2	1/2"
8" Ø	2	3/4"

TYPICAL STRAPPING DETAIL FOR BURIED PIPE 5

NTS



NOTES:

1. WATER MAIN MAY BE DOCTORED ABOVE OBSTRUCTION IF 4" MINIMUM COVER IS MAINTAINED ABOVE MAIN.
2. WATER MAIN SHALL BE DUCTILE IRON CEMENT LINED PIPE. ALL JOINTS SHALL BE OF THE MECHANICAL JOINT TYPE.
3. MINIMUM CLEARANCE BETWEEN SANITARY SEWER AND WATER MAIN SHALL BE 18" VERTICAL AND 10" HORIZONTAL. WHEN NOT POSSIBLE TO INSTALL WATER MAIN OVER SANITARY SEWER, THEN THE WATER MAIN SHALL BE CONSTRUCTED USING FULLY RESTRAINED JOINTS ON EITHER SIDE OF THE CROSSING. CLEARANCE BETWEEN WATER MAIN AND OTHER OBSTRUCTIONS SHALL BE 12" VERTICAL.

UTILITY BY-PASS DETAIL 6

NTS

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MOTT MACDONALD
 Certificate No. 24GA28016600
 111 Wood Avenue South
 Iselin, New Jersey 08830-1005
 United States
 T +1 973-378-5400
 F +1 973-376-1072
 www.mottmacamericas.com

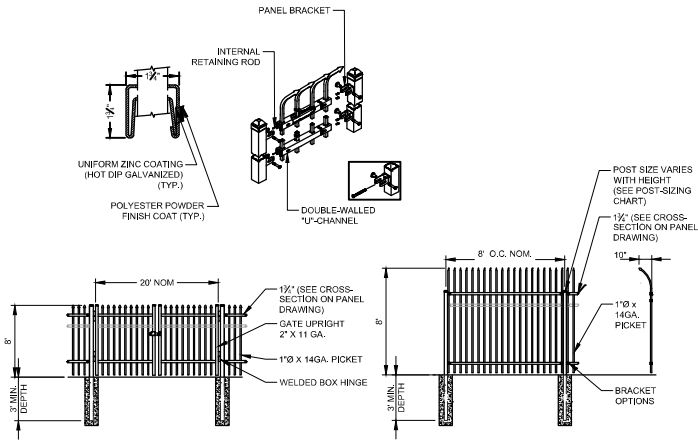
Client
RIDGEWOOD WATER
 111 NORTH MAPLE AVENUE
 RIDGEWOOD, NJ 07450

Rev	Date	Drawn	Description	SBP	ECS
0	11/14/22	SJB	WYCKOFF SITE PLAN APPLICATION	SBP	ECS

EARL C. SCHNEIDER
 NJ PROFESSIONAL ENGINEER LIC. No. 39397
 Project Number: 507102802
 B/O: 4
 Total: 10

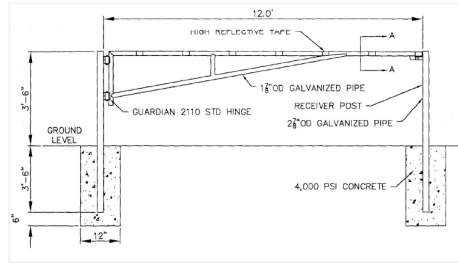
Designed	S. BROCKLISS	Eng check	S. PENDERGRASS
Drawn	S. BROCKLISS	Coordination	S. PENDERGRASS
Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER
Scale at ANSI D	NTS	Status	90%
Drawing Number	C501	Rev	0
		Security	STD

Title
RIDGEWOOD WATER PFAS TREATMENT FACILITIES CIVIL CONSTRUCTION DETAILS SHEET 1 OF 2



NOTES:
 1.) POST SIZE DEPENDS ON FENCE HEIGHT AND WIND LOADS. CONTRACTOR TO COMMUNICATE WITH MANUFACTURER.
 2.) THIRD RAIL OPTIONAL.

8' HIGH ORNAMENTAL FENCE DETAIL 7
 NTS



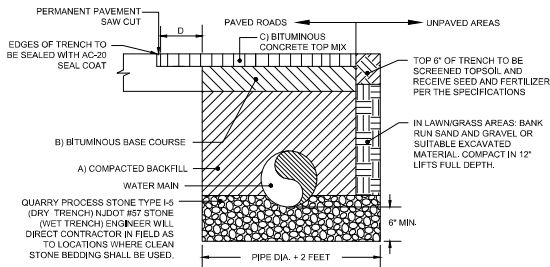
NOTE:
 GALVANIZED STEEL HARDWARE. GATE BY LIFTMASTER, HOOVER FENCE CO., GUARDIAN TRAFFIC SYSTEMS, OR APPROVED EQUAL

VEHICLE GATE DETAIL 8
 NTS



NOTE:
 1. INSTALL ON OUTSIDE OF SITE FENCE FACING OUTWARD AT LOCATIONS SPECIFIED ON SHEET C101
 2. CONTRACTOR TO SUBMIT A PROOF OF SIGNS FOR APPROVAL BY OWNER

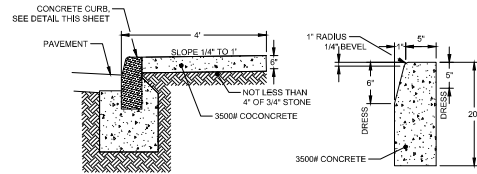
SECURITY SIGN DETAILS 9
 NTS



LEVEL	FACILITY DRIVEWAY	TOWNSHIP OF WYCKOFF
A	DENSITY GRADED AGGREGATE COMPACTED IN 1 FT. LIFTS	DENSITY GRADED AGGREGATE COMPACTED IN 1 FT. LIFTS
B	3.5\"/>	

NOTE:
 CONTRACTOR TO OBTAIN ALL APPLICABLE ROAD OPENING PERMITS

PAVEMENT AND TRENCH RESTORATION DETAIL 10
 NTS

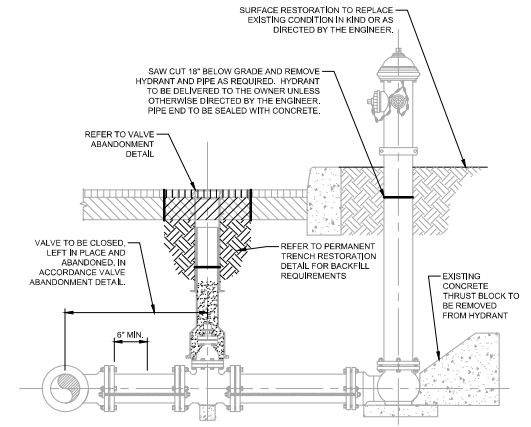


SITE SIDEWALK

CONCRETE CURB

NOTE:
 SIDEWALKS SHALL BE CONSTRUCTED IN FOUR FOOT SECTIONS WITH CLEAR SPACE OF 3/16 INCH BETWEEN ADJACENT SECTIONS, AND A FALSE JOINT ACROSS THE MIDDLE OF EACH SECTION. EXPANSION JOINTS SHALL BE PROVIDED EQUAL DISTANCES OF NOT MORE THAN 20\"/>

CONCRETE CURB DETAILS 11
 NTS



FIRE HYDRANT REMOVAL DETAIL 12
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M
NOTT
MACDONALD
 Certificate No. 24GA28016600

111 Wood Avenue South
 Beltn, New Jersey 08830-1005
 United States

T + 973-378-5400
 F + 973-376-1072
 www.nottmacamericas.com

Client
RIDGEWOOD WATER
 111 NORTH MAPLE AVENUE
 RIDGEWOOD, NJ 07450

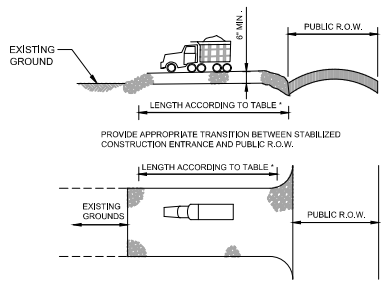
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EARL C. SCHNEIDER
 N.J. PROFESSIONAL ENGINEER LIC. NO. 39397



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Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER
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Drawing Number	C502	Rev	0
		Security	STD

Title
RIDGEWOOD WATER PFAS TREATMENT FACILITIES CIVIL CONSTRUCTION DETAILS SHEET 2 OF 2



PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT.	100 FT.
2 TO 5%	100 FT.	200 FT.
>5%	ENTIRE SURFACE STABILIZED WITH HOT MIX ASPHALT BASE COURSE, MIX 1-2	

1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

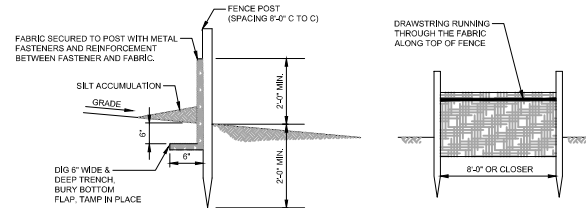
STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE NOTES:

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDED LENGTHS AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SHILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.

WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

*NOTE: INDIVIDUAL LOT ACCESS POINTS MAY REQUIRE STABILIZATION. THICKNESS SHOWN IS FOR STONE CONSTRUCTION ENTRANCE ONLY (TYP.).

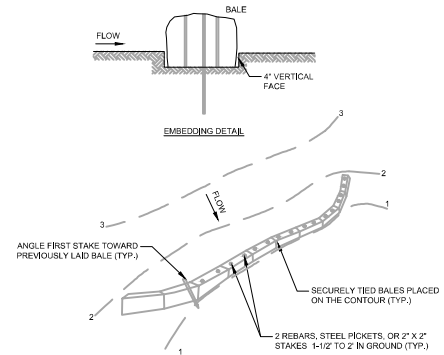
STABILIZED CONSTRUCTION ENTRANCE DETAIL
NTS



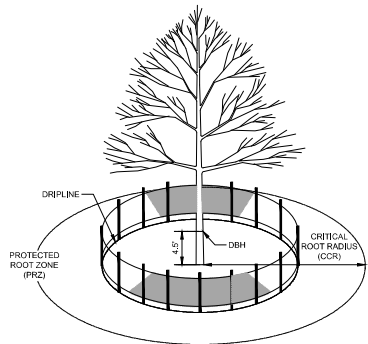
REQUIREMENTS FOR SILT FENCE:

- FENCE POSTS SHALL BE SPACED 8 FEET CENTER TO CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1-1/2 INCHES.
- A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
- A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS, ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

SILT FENCE DETAIL
NTS



PLACEMENT AND ANCHORING DETAIL
BALE SEDIMENT BARRIERS
NTS



- ESTIMATE A TREE'S PROTECTED ROOT ZONE (PRZ) BY CALCULATING THE CRITICAL ROOT RADIUS (CCR).

MEASURE THE DBH (DIAMETER OF TREE AT BREAST HEIGHT, 4.5 FEET ABOVE GROUND ON THE UPWIND SIDE OF TREE) IN INCHES.

MULTIPLY THE MEASURED DBH BY 1.5 OR 1.0. EXPRESS THE RESULT IN FEET.

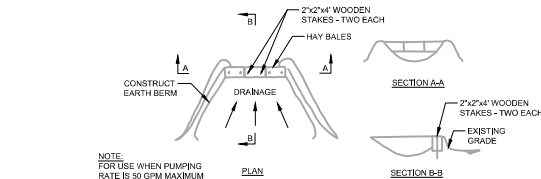
DBH x 1.5: CRITICAL ROOT RADIUS FOR OLDER, UNHEALTHY OR SENSITIVE SPECIES.

DBH x 1.0: CRITICAL ROOT RADIUS FOR YOUNGER, HEALTHY OR TOLERANT SPECIES.

- ALL SPECIMEN TREES AS SHOWN ON THE PLANS TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL SNOW FENCING AT THE DRIPLINE OF EACH SPECIMEN TREE BEFORE WORKING IN THE VICINITY OF THE TREE, AS DIRECTED BY THE ENGINEER.
- BOX TREES WITHIN 25 FEET OF A BUILDING SITE TO PREVENT MECHANICAL INJURY. FENCING OR OTHER BARRIER SHOULD BE INSTALLED BEYOND THE CCR. TREE ROOT SYSTEMS COMMONLY EXTEND WELL BEYOND THE DRIPLINE.
- FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA INSIDE THE PRZ.
- DAMAGED TRUNKS OR EXPOSED ROOTS SHOULD HAVE DAMAGED BARK REMOVED IMMEDIATELY AND NO PAINT SHALL BE APPLIED. EXPOSED ROOTS SHOULD BE COVERED WITH TOPSOIL IMMEDIATELY AFTER EXCAVATION IS COMPLETE. ROOTS SHALL BE PRUNED TO GIVE A CLEAN, SHARP SURFACE AMENABLE TO HEALING. ROOTS EXPOSED DURING HOT WEATHER SHOULD BE IRRIGATED TO PREVENT PERMANENT TREE INJURY. CARE FOR SERIOUS INJURY SHOULD BE PRESCRIBED BY A PROFESSIONAL FORESTER OR LICENSED TREE EXPERT.

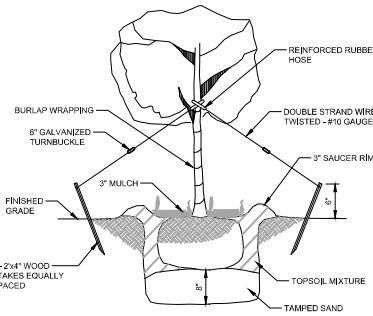
TREE PROTECTION DURING CONSTRUCTION
NTS

(SEE PAGES 8-1 THROUGH 8-8 FOR COMPLETE STANDARD FOR TREE PROTECTION DURING CONSTRUCTION)

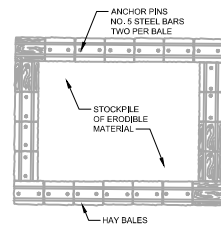


NOTE: FOR USE WHEN PUMPING RATE IS 50 GPM MAXIMUM

SEDIMENT TRAP DETAIL
FOR TRENCH DEWATERING OPERATIONS
NTS

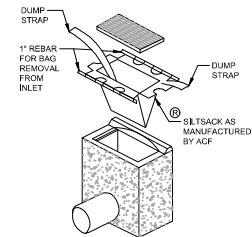


TYPICAL TREE / SHRUB PLANTING DETAIL
NTS



NOTE: SIDE SLOPES SHALL BE A MAXIMUM OF 2:1. STOCKPILE SHALL BE SEEDDED IMMEDIATELY.

MATERIAL STOCKPILE DETAIL
NTS



NOTES ON STORM SEWER INLET PROTECTION:

- MUST SLOW THE STORM WATER TO PROVIDE THE COARSE SEDIMENT PARTICLES A CHANCE TO SETTLE, AND PROVIDE AN AREA TO RETAIN THE PARTICLES THAT HAVE SETTLED.
- IN ALL CASES, INLET PROTECTION SHOULD NOT COMPLETELY CLOSE OFF THE INLET.
- THE PROTECTION DEVICE WILL BE DESIGNED TO CAPTURE OR FILTER RUNOFF FROM THE 1 YEAR, 24 HOUR STORM EVENT AND SHALL SAFELY CONVEY HIGHER FLOWS DIRECTLY INTO THE STORM SEWER SYSTEM.
- OTHER METHODS THAT ACCOMPLISH THE PURPOSE OF STORM SEWER INLET PROTECTION MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.
- INSPECTIONS SHALL BE FREQUENT. MAINTENANCE, REPAIR, AND REPLACEMENT SHALL BE MADE PROMPTLY, AS NEEDED. THE BARRIER SHALL BE REMOVED WHEN THE AREA DRAINING TOWARD THE INLET HAS BEEN STABILIZED.
- THE CONTRACTOR SHALL INSTALL STORM SEWER INLET PROTECTION IN ACCORDANCE WITH THE SE83C IN N.J. #30, JULY 1996.

INLET SEDIMENT CONTROL DEVICE DETAIL
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M
MOTT MACDONALD
Certificate No. 24GA28016600

111 Wood Avenue South
Iselin, New Jersey 08830-1005
United States

T +1 973-379-3400
F +1 973-376-1072
www.mottmacamericas.com

Rev	Date	Drawn	Description	SBP	ECs	Chk'd	App'd
0	11/4/22	SJB	WYCKOFF SITE PLAN APPLICATION				

EARL C. SCHNEIDER
NJ PROFESSIONAL ENGINEER LIC. No. 39397

Project Number: 507102802
B/O: 6
Total: 10

Designed	S. BROCKLISS	Eng check	S. PENDERGRASS
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Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER
Scale at ANSI D	NTS	Status	90%
Rev	0	Security	STD
Drawing Number	C504		

RIDGEWOOD WATER PFAS TREATMENT FACILITIES CIVIL SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET 1 OF 2

TABLE 4-3 PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND PLANTING DATES ¹														
SEED MIXTURE ²	PLANTING RATE ³	PLANTING DATES 0 = OPTIMAL PLANTING PERIOD A = ACCEPTABLE PLANTING PERIOD PLANTING HARDINESS ZONES (SEE FIGURE 4-1)									IMPORTANT LEVEL ⁴	REMARKS		
		ZONE 5b, 6a			ZONE 6b			ZONE 7a, 7b						
		8/15/99 sq. ft.	8/15/99 sq. ft.	8/15/99 sq. ft.	8/15/99 sq. ft.	8/15/99 sq. ft.	8/15/99 sq. ft.	8/15/99 sq. ft.	8/15/99 sq. ft.	8/15/99 sq. ft.				
WARM SEASON SEED MIXTURES														
1A. FOR FINLANDS NATIONAL RESERVE SEED MIXTURES SEE TABLE 4-4 PAGE 4-17														
1. SWITCHGRASS AND/OR COASTAL PANICGRASS PLUS OR FLATPEA	15 15 20 45	.35 .35 .45 .45					O					C-D		
2. DEERTONGUE OR SWITCHGRASS REDTOP	15 15 1	.35 .45 .1					O					C-D	USE DEERTONGUE IF #H4-0 SWITCHGRASS IS SUPERIOR WILDLIFE PLANT. USE FOR WATERWAYS. REDTOP PROVIDES QUICK COVER.	
3. SWITCHGRASS DEERTONGUE LITTLE BLUESTEM SHEEP FESCUE PLUS PARTS/DIGE PEA	15 20 20 20 10 25	.35 .45 .45 .45 .25					O					C-D	FINLANDS MIXTURE.	
4. SWITCHGRASS BIG BLUESTEM LITTLE BLUESTEM SAND LOVEGRASS COASTAL PANICGRASS	10 5 5 4 10 25	.25 .10 .10 .10 .25					O					C-D	NATIVE WARM - SEASON MIXTURE.	
5. BERMUDAGRASS ZYODAGRASS (SEED) ZYODAGRASS (SPRIGS)	15 30 70	.35 .35 .70					O					A-D	BERMUDAGRASS HAS SUPERIOR SALT TOLERANCE. ZYODASA HAS GREATER WEAR TOLERANCE.	
COOL SEASON SEED MIXTURES														
6. FINE FESCUE (BLENDED) HARD FESCUE CHEWING FESCUE STRONGS CREEPING RED FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS PLUS WHITE CLOVER (SEE NOTE AT RIGHT)	130 45 20 5 10	3 .1 .5 .10	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	B-D	GENERAL LOW - MAINTENANCE MIXTURE. WHITE CLOVER CAN BE REMOVED WHEN USED TO ESTABLISH LAWNS.	
7. STRONG CREEPING RED FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS OR REDTOP PLUS WHITE CLOVER	130 50 1 10 25 5 10	3 1 5 .25 .10	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	B-D	SUITABLE WATERWAY MIX. CANADA BLUEGRASS MORE DROUGHT TOLERANT. USE REDTOP FOR INCREASED DROUGHT TOLERANCE. TALL FESCUE BEST SELECTED FOR DROUGHTY CONDITIONS. USE CREEPING RED FESCUE IN HEAVY SHADE. USE FLATPEA TO SUPPRESS WOODY VEGETATION.	
8. TALL FESCUE (TURF-TYPE) OR STRONG CREEPING RED FESCUE OR PERENNIAL RYEGRASS FLATPEA	30 30 7 25 60	.7 7 .7 .60				O	A ⁶					B-D		
9. DEERTONGUE REDTOP WILD RYE (ELYMUS) SWITCHGRASS	20 15 35 25 60	.45 .25 .35 .45					O					C-D	NATIVE WET MIX.	
10. TALL FESCUE (TURF-TYPE) PERENNIAL RYEGRASS OR WHITE CLOVER (SEE NOTE AT RIGHT)	265 20 5 10	6 5 .10				O	A ⁶	A ⁶	A ⁶	A ⁶	O	A ⁶	C-D	WHITE CLOVER CAN BE EXCLUDED ON LAWN SITES.
11. KENTUCKY BLUEGRASS TURF-TYPE TALL FESCUE	45 22	1 5	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	C-D	FILTER STRIP USE FOR NUTRIENT UPTAKE.	
12. TURF-TYPE TALL FESCUE (BLEND OF 3 CULTIVARS)	350	8	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	C-D	USE IN A MANAGED FILTER STRIP FOR NUTRIENT UPTAKE.	
13. HARD FESCUE AND/OR CHEWING FESCUE AND/OR STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS KY. BLUEGRASS (BLENDED)	175 45 1	4 1 .1	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	A-C	GENERAL LAWNS/RECREATION.	
14. TALL FESCUE KY. BLUEGRASS (BLENDED) PERENNIAL RYEGRASS (BLENDED)	265 20 50 20 50	6 .50 .50 1	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	A-B	ATHLETIC FIELD/3 CULTIVARS MIX OF KENTUCKY BLUEGRASS.	
15. HARD FESCUE CHEWING FESCUE STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS	130 45 1 45 10 25	3 1 .1 1 25	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	C-D	LOW MAINTENANCE FINE FESCUE LAWN MIX.	
16. ROUGH BLUEGRASS STRONG CREEPING RED FESCUE	90 130	20 3	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	C-D	MOIST SHADE.	
17. CREEPING BENTGRASS CREEPING RED FESCUE ALKALI SALTPASS	45 45 1	1 1 .1	A	A ⁵	O	A	A ⁶	O	A	A ⁵	O	B-D	USE BENTGRASS UNDER WATER CONDITIONS. SALTPASS WILL ONLY PERSISTENT UNDER SALINE CONDITIONS.	
18. HAND OR SHEEPS FESCUE N.E. WILDFLOWER MIXTURE	23 12	0.60 0.35	O	A	O	O	A	O	O	A	O	C-D	REGIONAL WILDFLOWER MIX HYDROSEEDING NOT RECOMMENDED.	
19. a. SMOOTH CORDGRASS b. SALTMEADOW CORDGRASS	VEG. VEG.					O	BEFORE JULY 1		O	BEFORE JULY 1		D	PLANTED IN THE INTERTIDAL ZONE. PLANTED ABOVE MEAN HIGH TIDE.	
20. AMERICAN BEACHGRASS COASTAL PANICGRASS	VEG. VEG.	.45										D	COASTAL PANICGRASS MAY BE INTERSEEDED BETWEEN ROWS OF BEACHGRASS.	
21. a. PURPLEOSIER WILLOW b. DWARF WILLOW c. REDOSIER DOGWOOD d. SLICKY DOGWOOD	VEG. VEG. VEG. VEG.											D	ALSO REFER TO CHAPTERS 16 AND 18 OF USDA NRCS ENGINEERING FIELD HANDBOOK.	

BERGEN COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (NJ STANDARDS) AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TIES AND/OR TEMPORARY SEEDING AND MULCHING IF THE SEASON PROMITS TEMPORARY SEEDING. THE DISTURBED AREA WILL BE MULCHED WITH UNROTTED STRAW AT A RATE OF 2 TONS PER ACRE ANCHORED BY APPROVED METHODS (E.G., PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
3. IMMEDIATELY FOLLOWING INITIAL GRADING OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NJ STANDARDS.

4. STABILIZATION SPECIFICATIONS:

A. TEMPORARY SEEDING AND MULCHING:

GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 1.1 LBS./1,000 SF OF 16-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - PERENNIAL RYEGRASS 100 LBS./ACRE (2.3 LBS./1,000 SF) OR OTHER APPROVED SEEDS. PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (E.G., PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

B. PERMANENT SEEDING AND MULCHING:

TOPSOIL - UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED).
GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS.
FERTILIZER - APPLY 1.1 LBS./1,000 SF OF 16-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
SEED - TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS./ACRE (8 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDINGS REQUIRE IRRIGATION).
MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (E.G., PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

5. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
6. SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS, INCLUDING AFTER EVERY STORM EVENT.
7. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED BY A HAYBALE SEDIMENT BARRIER OR SILT FENCE.
8. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAND BLANKET WILL BE COMPOSED OF 1" - 2 1/2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30' X 100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.
9. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
10. DRIVEWAYS MUST BE STABILIZED WITH 1" - 2 1/2" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.

11. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS, WILL BE REMOVED IMMEDIATELY. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
12. CATCH BASIN INLETS WILL BE PROTECTED WITH AN INLET FILTER DESIGNED IN ACCORDANCE WITH SECTION 28-1 OF THE NJ STANDARDS.
13. STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
14. DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL BAG OR OTHER APPROVED FILTER IN ACCORDANCE WITH SECTION 14-4 OF THE NJ STANDARDS.
15. DUST SHALL BE CONTROLLED VIA THE APPLICATION OF WATER, CALCIUM CHLORIDE OR OTHER APPROVED METHOD IN ACCORDANCE WITH SECTION 14-1 OF THE NJ STANDARDS.
16. TREES TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE DRIP LINE OR BEYOND IN ACCORDANCE WITH SECTION 9-4 OF THE NJ STANDARDS.

17. THE PROJECT OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFF-SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
18. ANY REVISION TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION IN THE FIELD.
19. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE THROUGHOUT CONSTRUCTION.
20. THE BERGEN COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED **BY VISITING** AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE. BERGEN COUNTY SOIL CONSERVATION DISTRICT, 700 HINDERHAUK ROAD, SUITE 106, ORADELL, NJ 07648. TEL: 201-261-4107. FAX: 201-261-7573.
21. THE BERGEN COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON OR OFF-SITE EROSION PROBLEMS DURING CONSTRUCTION.
22. THE OWNER MUST OBTAIN A DISTRICT ISSUED REPORT OF COMPLIANCE PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY. THE DISTRICT REQUESTS AT LEAST ONE WEEK'S NOTICE TO FACILITATE THE SCHEDULING OF ALL REPORTS OF COMPLIANCE INSPECTIONS. ALL SITE WORK MUST BE COMPLETED INCLUDING TEMPORARY / PERMANENT STABILIZATION OF ALL EXPOSED AREA PRIOR TO THE ISSUANCE OF A REPORT OF COMPLIANCE BY THE DISTRICT.

STABILIZATION SPECIFICATIONS

SEEDING AND MULCHING (MINIMUM STANDARDS):

- LIME - 90 LBS / 1,000 S.F. GROUND LIMESTONE; FERTILIZER - 14 LBS / 1,000 S.F.; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".
- SEED - SEED MIXTURE PER TABLE 4-3 (STANDARD FOR SOIL EROSION SEDIMENT CONTROL IN NEW JERSEY) AS SHOWN ON THIS DRAWING. PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
- MULCH - SALT HAY OR SMALL GRAM STRAW AT A RATE OF 70 TO 90 LBS / 1,000 S.F., TO BE APPLIED ACCORDING TO THE NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (i.e., PEG AND TWINE, MULCH NETTING, OR LIQUID BINDER).

SEQUENCE OF CONSTRUCTION

- | SEQUENCE OF CONSTRUCTION | APPROX. DURATION OF ACTIVITY |
|--|------------------------------|
| 1. MOBILIZATION | 3 DAYS |
| 2. INSTALLATION OF EROSION CONTROL MEASURES | 2 DAYS |
| 3. INSTALLATION OF TRAFFIC CONTROL DEVICES IN APPROVED WORK AREAS | 2 DAYS |
| 4. INSTALLATION OF WATER MAINS AND APPURTENANCES, BACKFLOWING AND TEMPORARY PAVEMENT | 12 MONTHS |
| 5. HYDROSTATIC PRESSURE TESTING AND DISINFECTION OF WATER MAINS | 1 DAY |
| 6. RESTORATION OF UNPAVED AREAS AT REGULAR INTERVALS AS APPROVED BY THE ENGINEER | 1 WEEK |
| 7. FINAL PAVEMENT RESTORATION | 1 WEEK |

GENERAL NOTE:

IN ALL AREAS WHERE THE WORK IS OUTSIDE OF PAVED ROADS, THE CONTRACTOR SHALL INSTALL AND MAINTAIN APPROPRIATE SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE DETAILS ON THE DRAWINGS, REGARDLESS OF WHETHER OR NOT THE LOCATION OF SUCH MEASURES ARE SPECIFICALLY SHOWN ON THE PLANS. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCES ALONG THE PERIMETER OF DISTURBED AREAS AND AROUND MATERIAL STOCKPILES, AND STONE CONSTRUCTION ENTRANCE PADS AT POINTS OF MAJOR INGRESS AND EGRESS FROM PAVED ROADS TO UNPAVED AREAS.

WHERE WORK IS IN PAVED ROADS, EROSION CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO STORM DRAIN INLET PROTECTION, KEEPING ROADS CLEAN, AND CONTROLLING DUST.

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MOTT MACDONALD
 111 Wood Avenue South
 Belvidere, New Jersey 08830-1005
 United States
 T +1 973-379-3400
 F +1 973-376-1072
 www.mottmacamericas.com

Client
RIDGEWOOD WATER
 111 NORTH MAPLE AVENUE
 RIDGEWOOD, NJ 07450

EARL C. SCHNEIDER
 NJ PROFESSIONAL ENGINEER LIC. NO. 36397



Designed	S. BROCKLISS	Eng. check	S. PENDERGRASS
Drawn	S. BROCKLISS	Coordination	S. PENDERGRASS
Dwg. check	S. PENDERGRASS	Approved	E. SCHNEIDER
Scale at ANSI D	NTS	Rev	0
Status	90%	Security	STD
Drawing Number	C505		

Title
RIDGEWOOD WATER PFAS TREATMENT FACILITIES CIVIL SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET 2 OF 2

0	11/4/22	SJB	WYCKOFF SITE PLAN APPLICATION	SBP	EC5	Project Number	B/O	Total
Rev	Date	Drawn	Description	Chk'd	App'd	507102802	7	10