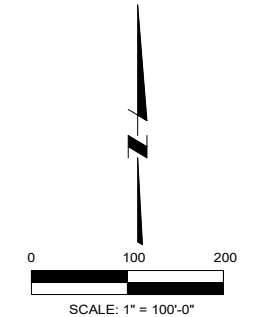
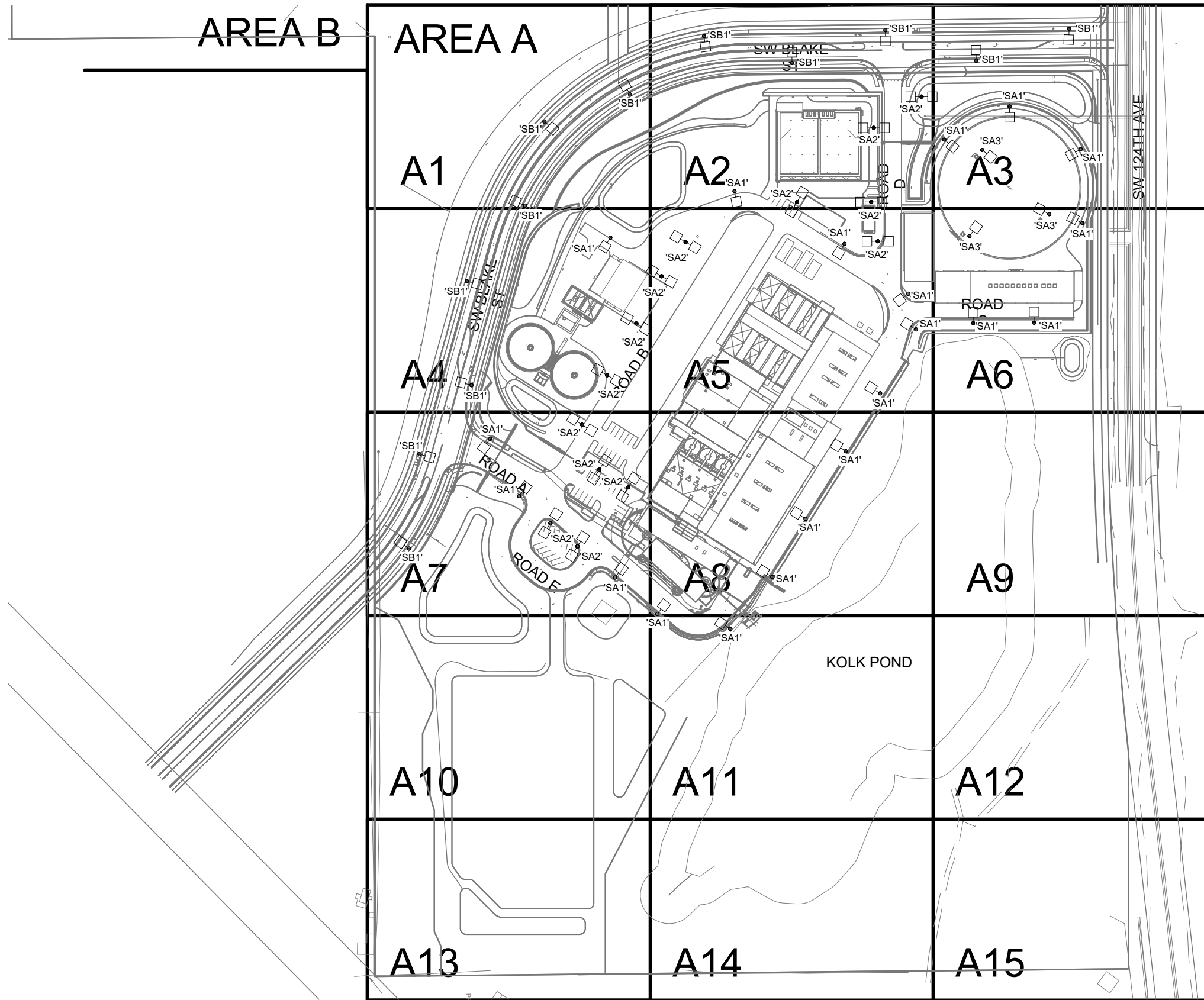


FOR LAND USE PERMITTING (EXHIBIT B)



Calculation Summary				
Label	Units	Avg	Max	Min
Overall Site	Fc	0.12	11.9	0.0
Drive Aisle	Fc	1.26	8.7	0.0
Parking	Fc	2.16	4.3	0.8
Street lighting	Fc	0.43	1.4	0.0

GENERAL SHEET NOTES

- A. SITE LUMINAIRES, TYPE SA1 AND SA2, ARE ON 22'-0" POLES AND ARE MOUNTED TO A 2'-6" ABOVE GRADE BASE. (LUMINAIRE MOUNTING HEIGHT OF 24'-6")
- B. SITE LUMINAIRES, TYPE SA3, ARE ON 10'-0" POLES AND ARE MOUNTED TO A FLUSH GRADE BASE.
- C. STREET LUMINAIRES, TYPE SB1, ARE ON 30'-0" POLES AND ARE MOUNTED TO A FLUSH GRADE BASE.
- D. WHERE TREES ARE PRESENT, LUMINAIRES ARE TO BE CENTERED IN BETWEEN TREES.
- E. PHOTOMETRIC CALCULATIONS ARE AT GRADE.
- F. CALCULATIONS ARE THE EXPECTED AVERAGE MAINTAINED ILLUMINATION DURING RATED NORMAL LIFE OF LIGHT SOURCE.
- G. ISO-ILLUMINANCE LINES INDICATE 1 FOOTCANDLE AND 0.5 FOOTCANDLE FOR OVERALL SITE LIGHT LEVELS.
- H. SEE LUMINAIRE SCHEDULE FOR COMPLETE LUMINAIRE INFORMATION.

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

SHEET B-098: PHOTOMETRICS SITE PLAN

60% DESIGN - NOT FOR CONSTRUCTION

DSGN	K WALL					
DR	Q BELOG					
CHK	T PHUONG					
APVD	T PHUONG	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
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 WATER TREATMENT PLANT_1.0

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SITE ELECTRICAL
 PHOTOMETRICS SITE PLAN

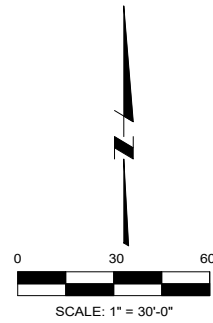
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	DATE	AUG 2020
	PROJ	WTP_1.0

FOR LAND USE PERMITTING (EXHIBIT B)

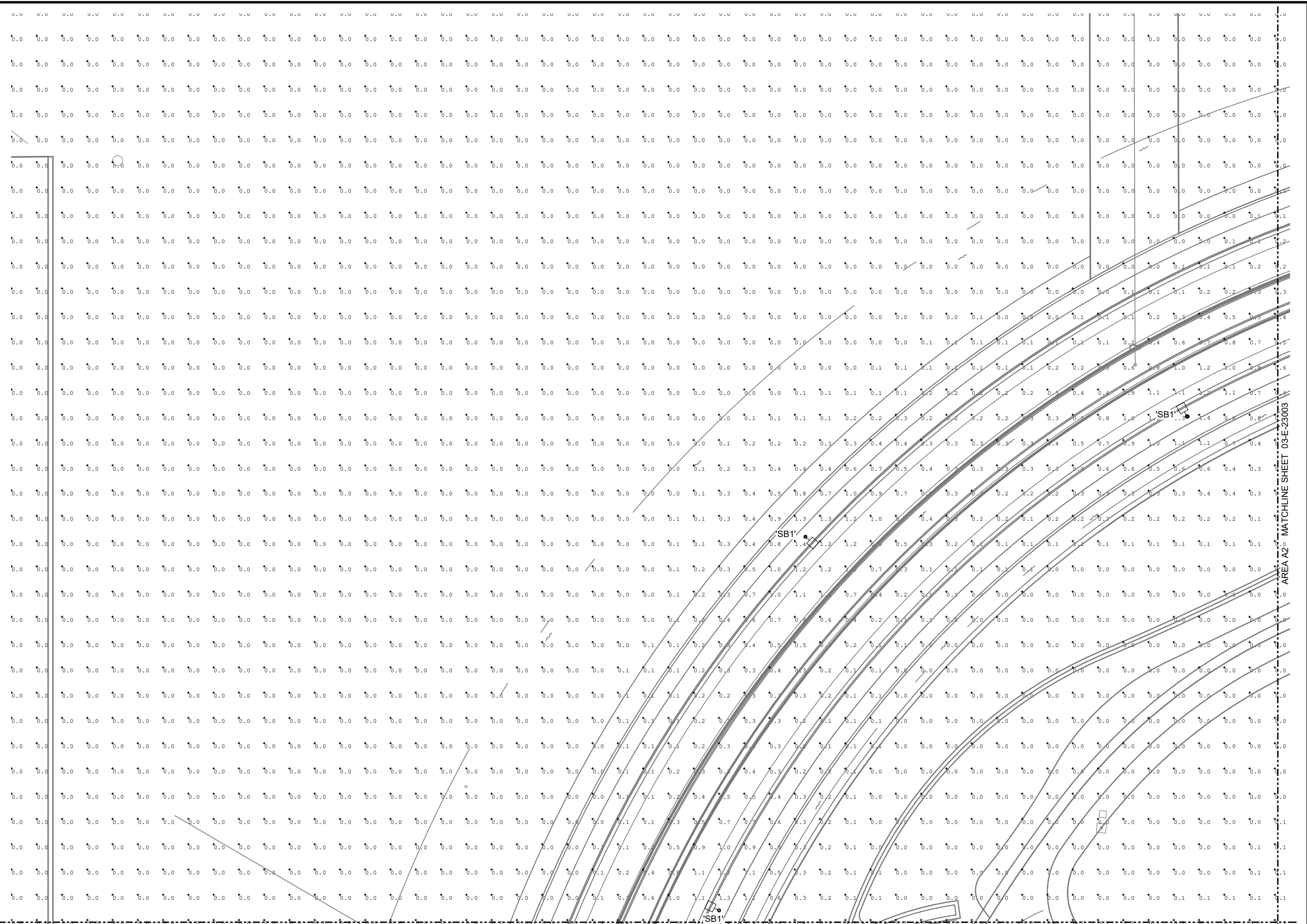
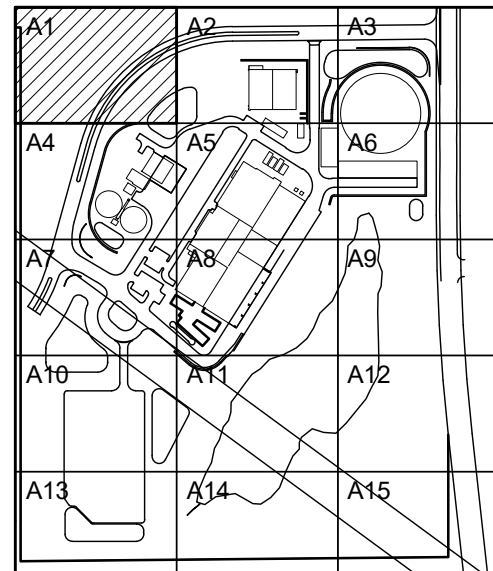
Calculation Summary				
Label	Units	Avg	Max	Min
Overall Site	Fc	0.12	11.9	0.0
Drive Aisle	Fc	1.26	8.7	0.0
Parking	Fc	2.16	4.3	0.8
Street lighting	Fc	0.43	1.4	0.0

GENERAL SHEET NOTES

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- C. STREET LUMINAIRES, TYPE SB1, ARE ON 30'-0" POLES AND ARE MOUNTED TO A FLUSH GRADE BASE.
- D. WHERE TREES ARE PRESENT, LUMINAIRES ARE TO BE CENTERED IN BETWEEN TREES.
- E. PHOTOMETRIC CALCULATIONS ARE AT GRADE.
- F. CALCULATIONS ARE THE EXPECTED AVERAGE MAINTAINED ILLUMINATION DURING RATED NORMAL LIFE OF LIGHT SOURCE.
- G. ISO-ILLUMINANCE LINES INDICATE 1 FOOTCANDLE AND 0.5 FOOTCANDLE FOR OVERALL SITE LIGHT LEVELS.
- H. SEE LUMINAIRE SCHEDULE FOR COMPLETE LUMINAIRE INFORMATION.



KEY MAP



SHEET B-099: PHOTOMETRICS SITE PLAN AREA A1

60% DESIGN - NOT FOR CONSTRUCTION

DSGN	K WALL				
DR	Q BELOG				
CHK	T PHUONG				
APVD	T PHUONG	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
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SITE
 ELECTRICAL
 PHOTOMETRIC SITE PLAN AREA A1

SHEET	DWG	03-E-23002
	DATE	AUG 2020
	PROJ	WTP_1.0

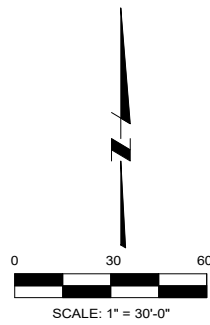
FOR LAND USE PERMITTING (EXHIBIT B)

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

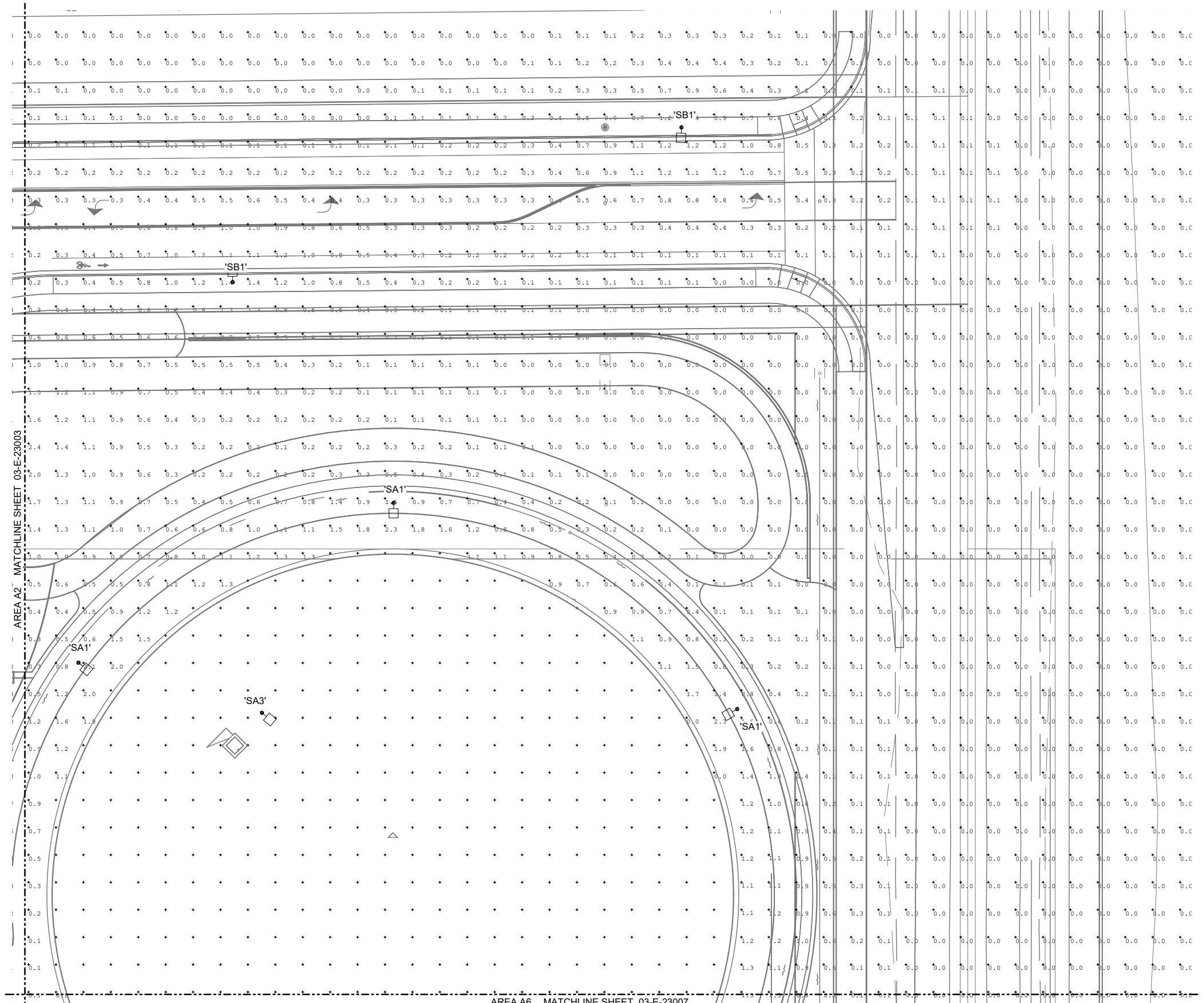
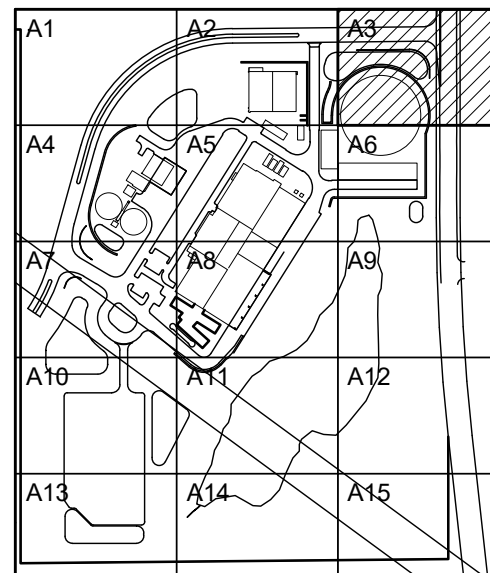
Calculation Summary				
Label	Units	Avg	Max	Min
Overall Site	Fc	0.12	11.9	0.0
Drive Aisle	Fc	1.26	8.7	0.0
Parking	Fc	2.16	4.3	0.8
Street lighting	Fc	0.43	1.4	0.0

GENERAL SHEET NOTES

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- F. CALCULATIONS ARE THE EXPECTED AVERAGE MAINTAINED ILLUMINATION DURING RATED NORMAL LIFE OF LIGHT SOURCE.
- G. ISO-ILLUMINANCE LINES INDICATE 1 FOOTCANDLE AND 0.5 FOOTCANDLE FOR OVERALL SITE LIGHT LEVELS.
- H. SEE LUMINAIRE SCHEDULE FOR COMPLETE LUMINAIRE INFORMATION.



KEY MAP



SHEET B-101: PHOTOMETRICS SITE PLAN AREA A3

AREA A6 MATCHLINE SHEET 03-E-23007

60% DESIGN - NOT FOR CONSTRUCTION

DSGN	K WALL				
DR	Q BELOG				
CHK	T PHUONG				
APVD	T PHUONG	NO.	DATE	REVISION	BY

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SITE
 ELECTRICAL
 PHOTOMETRIC SITE PLAN AREA A3

SHEET	DWG	03-E-23004
	DATE	AUG 2020
	PROJ	WTP_1.0

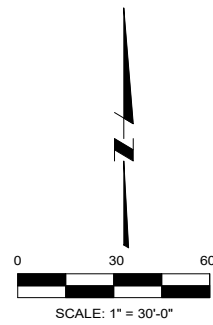
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FOR LAND USE PERMITTING (EXHIBIT B)

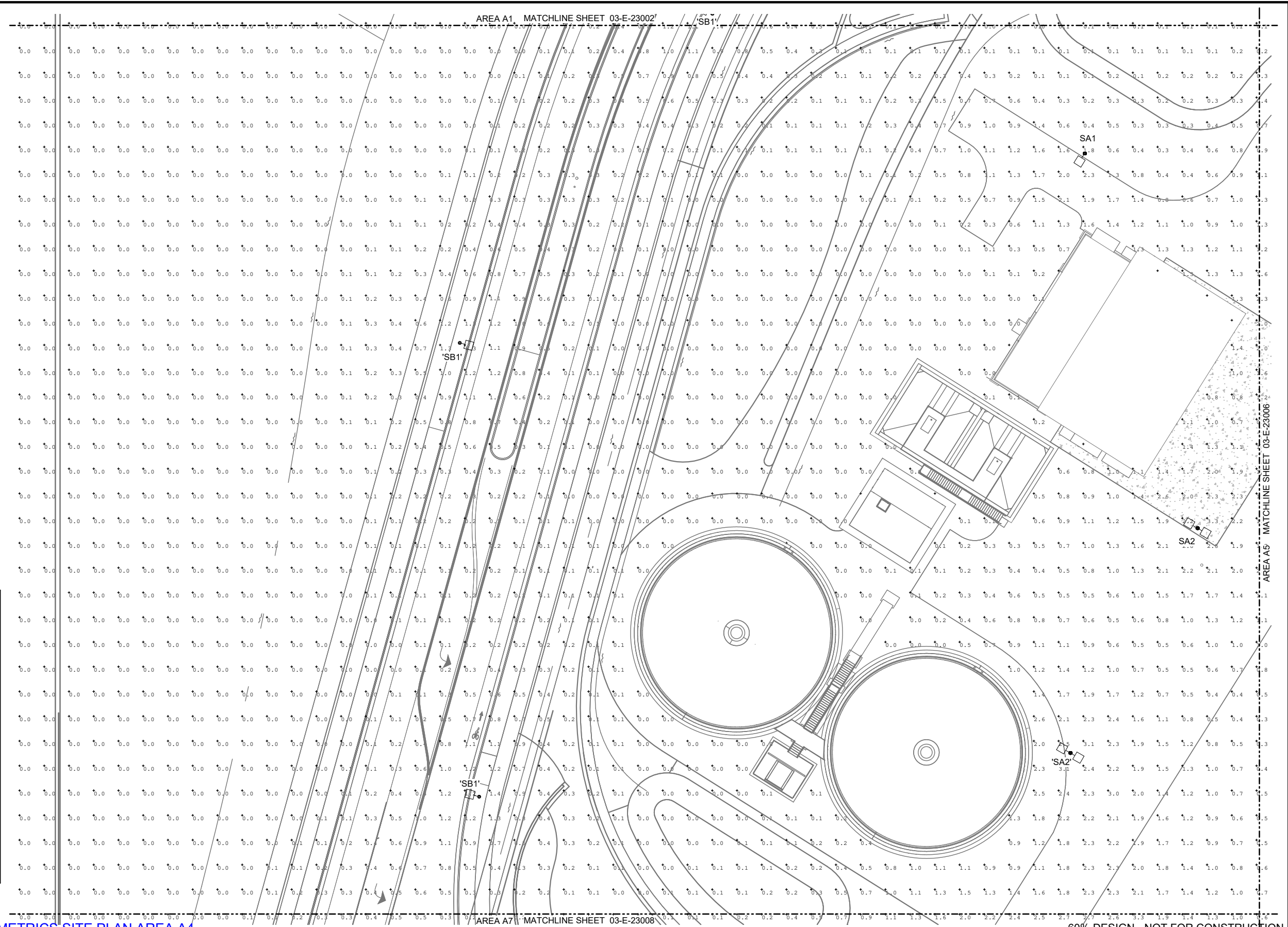
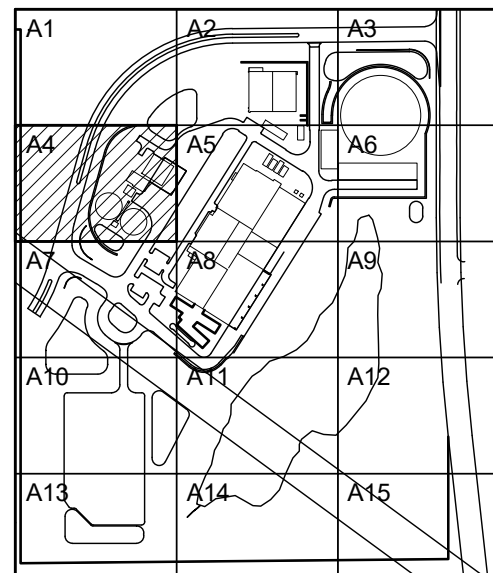
Calculation Summary				
Label	Units	Avg	Max	Min
Overall Site	Fc	0.12	11.9	0.0
Drive Aisle	Fc	1.26	8.7	0.0
Parking	Fc	2.16	4.3	0.8
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GENERAL SHEET NOTES

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- C. STREET LUMINAIRES, TYPE SB1, ARE ON 30'-0" POLES AND ARE MOUNTED TO A FLUSH GRADE BASE.
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- E. PHOTOMETRIC CALCULATIONS ARE AT GRADE.
- F. CALCULATIONS ARE THE EXPECTED AVERAGE MAINTAINED ILLUMINATION DURING RATED NORMAL LIFE OF LIGHT SOURCE.
- G. ISO-ILLUMINANCE LINES INDICATE 1 FOOTCANDLE AND 0.5 FOOTCANDLE FOR OVERALL SITE LIGHT LEVELS.
- H. SEE LUMINAIRE SCHEDULE FOR COMPLETE LUMINAIRE INFORMATION.



KEY MAP



SHEET B-102: PHOTOMETRICS SITE PLAN AREA A4

60% DESIGN - NOT FOR CONSTRUCTION

DSGN	K WALL	NO.	DATE	REVISION	BY	APVD
DR	Q BELOG					
CHK	T PHUONG					
APVD	T PHUONG					

VERIFY SCALE
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SITE ELECTRICAL
PHOTOMETRIC SITE PLAN AREA A4

SHEET	DWG 03-E-23005
DATE	AUG 2020
PROJ	WTP_1.0

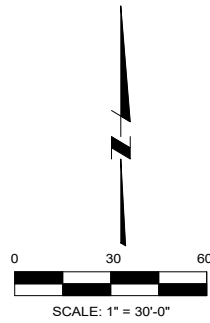
FOR LAND USE PERMITTING (EXHIBIT B)

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

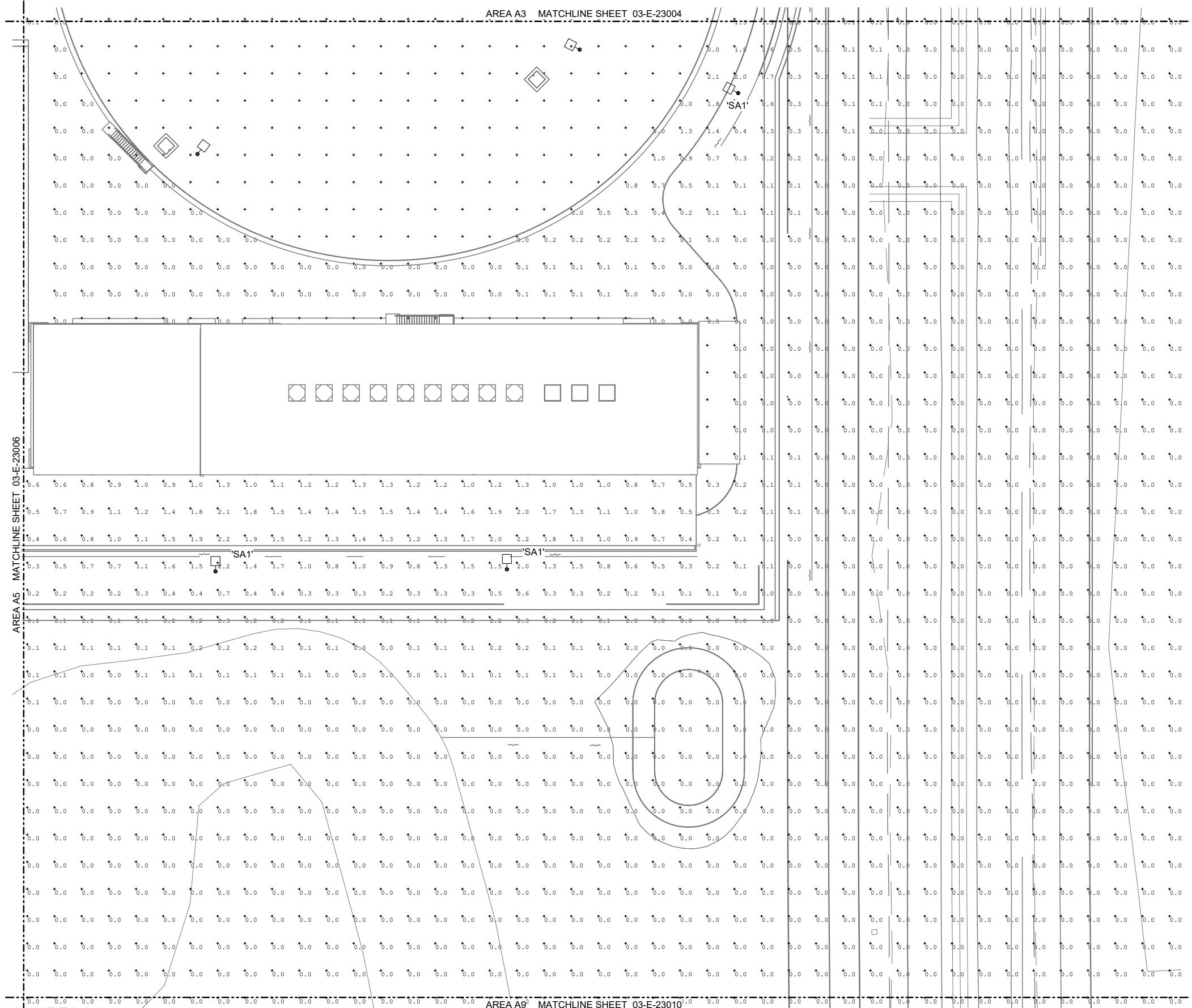
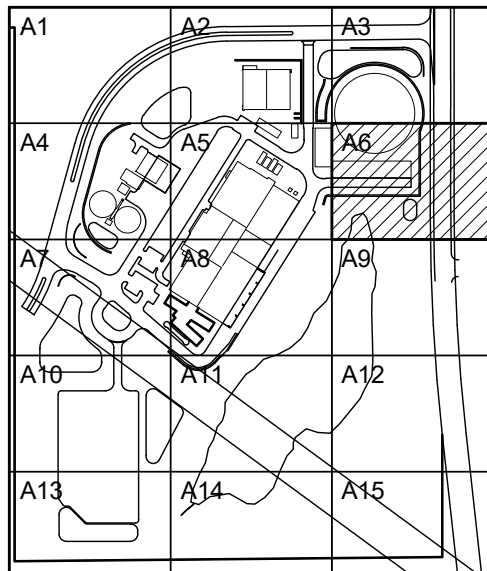
Calculation Summary				
Label	Units	Avg	Max	Min
Overall Site	Fc	0.12	11.9	0.0
Drive Aisle	Fc	1.26	8.7	0.0
Parking	Fc	2.16	4.3	0.8
Street lighting	Fc	0.43	1.4	0.0

GENERAL SHEET NOTES

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- F. CALCULATIONS ARE THE EXPECTED AVERAGE MAINTAINED ILLUMINATION DURING RATED NORMAL LIFE OF LIGHT SOURCE.
- G. ISO-ILLUMINANCE LINES INDICATE 1 FOOTCANDLE AND 0.5 FOOTCANDLE FOR OVERALL SITE LIGHT LEVELS.
- H. SEE LUMINAIRE SCHEDULE FOR COMPLETE LUMINAIRE INFORMATION.



KEY MAP



SHEET B-104: PHOTOMETRICS SITE PLAN AREA A6

60% DESIGN - NOT FOR CONSTRUCTION

DSGN	K WALL	NO.	DATE	REVISION	BY	APVD
DR	Q BELOG					
CHK	T PHUONG					
APVD	T PHUONG					

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



SITE
 ELECTRICAL
 PHOTOMETRIC SITE PLAN AREA A6

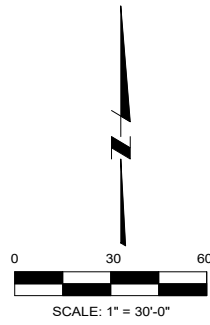
SHEET	DWG	03-E-23007
DATE		AUG 2020
PROJ		WTP_1.0

FOR LAND USE PERMITTING (EXHIBIT B)

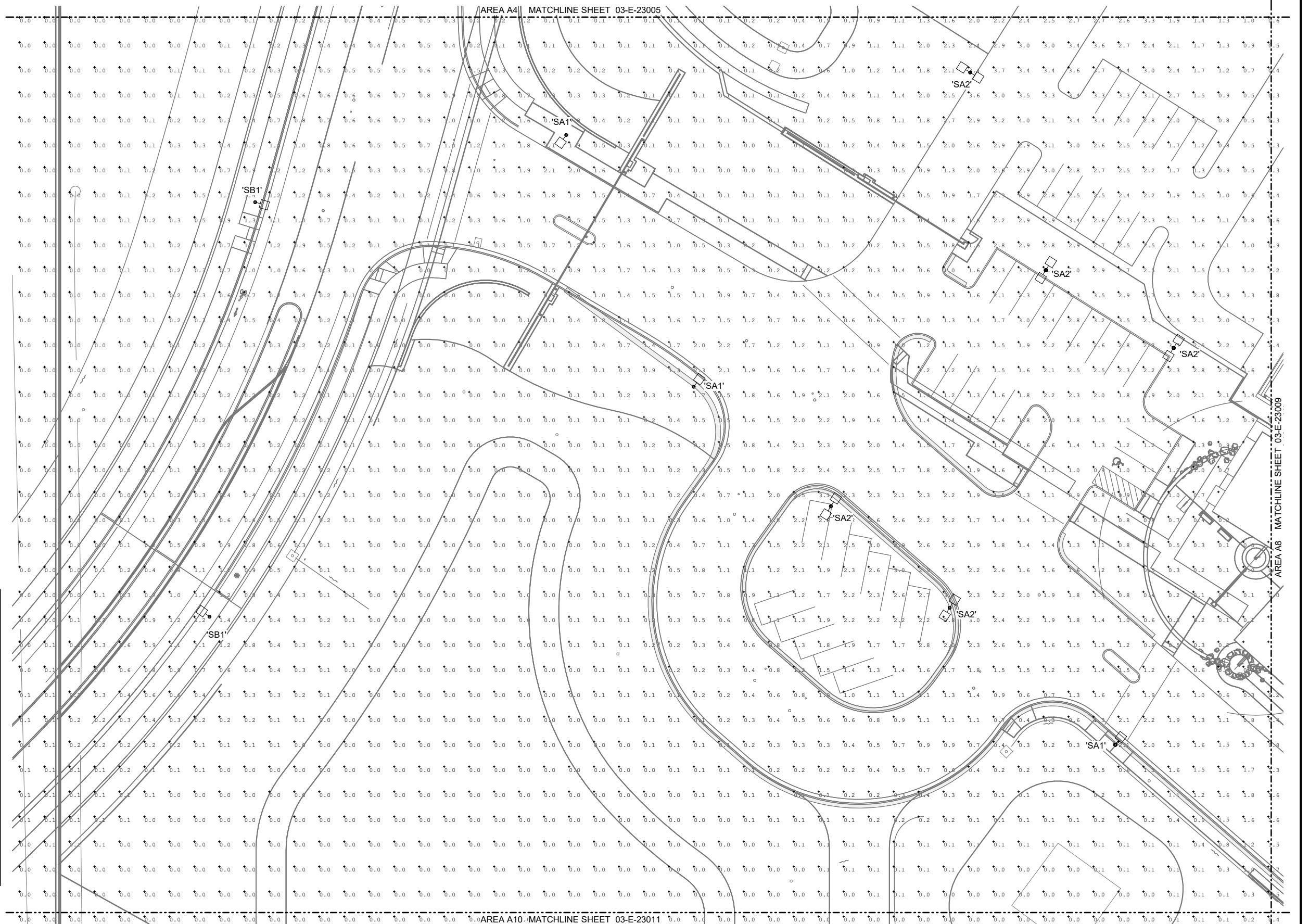
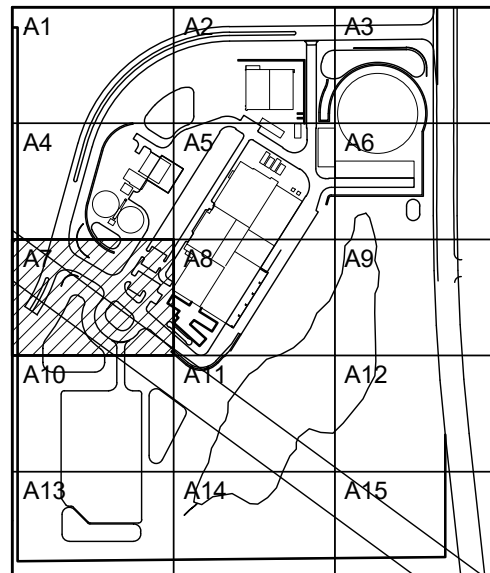
Calculation Summary				
Label	Units	Avg	Max	Min
Overall Site	Fc	0.12	11.9	0.0
Drive Aisle	Fc	1.26	8.7	0.0
Parking	Fc	2.16	4.3	0.8
Street lighting	Fc	0.43	1.4	0.0

GENERAL SHEET NOTES

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- H. SEE LUMINAIRE SCHEDULE FOR COMPLETE LUMINAIRE INFORMATION.



KEY MAP



SHEET B-105: PHOTOMETRICS SITE PLAN AREA A7

60% DESIGN - NOT FOR CONSTRUCTION

DSGN	K WALL						
DR	Q BELOG						
CHK	T PHUONG						
APVD	T PHUONG	NO.	DATE	REVISION	BY	APVD	

VERIFY SCALE
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SITE
 ELECTRICAL
 PHOTOMETRIC SITE PLAN AREA A7

SHEET	DWG	03-E-23008
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 1:56:01 PM

FOR LAND USE PERMITTING (EXHIBIT B)

GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

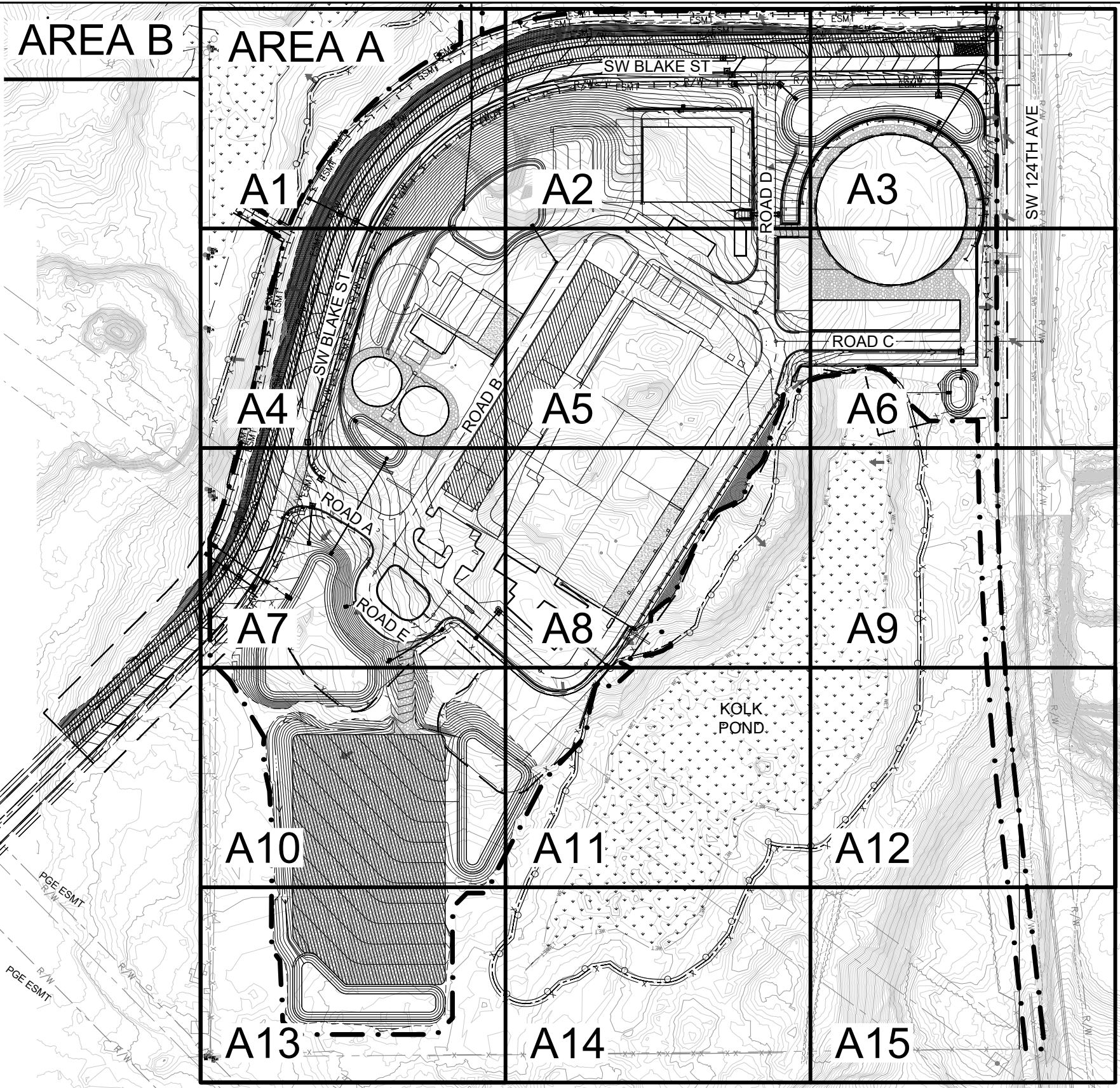
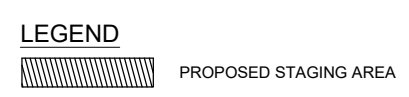
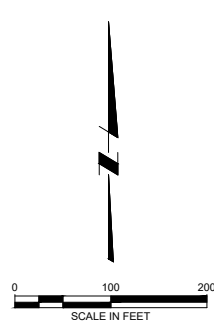
- SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
 - VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.
 - DWARF GRASS MIX (MIN. 100 LB./AC.)
 - DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
 - CREeping RED FESCUE (20% BY WEIGHT)
 - STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)
 - ANNUAL RYEGRASS (40% BY WEIGHT)
 - TURF-TYPE FESCUE (60% BY WEIGHT)
- SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
- LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
- TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
- STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
- SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
- USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION:

- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- "STOCK PILE AREA 1" SHALL BE MOVED TO "STOCK PILE AREA 2" FOLLOWING THE EXCAVATION CUT ACTIVITIES.
- THE "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE AREA 1" SHALL BE MOVED TO "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE AREA 2" FOLLOWING EXCAVATION "CUT" ACTIVITIES.
- ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
- LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
- THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
- INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "DRY WEATHER" CONSTRUCTION. "WET WEATHER" CONSTRUCTION MEASURES NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND MAY 31ST.

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING



BY: CHRIS JAIN
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
DWG FILE: C:\cdm\christis.jain@murraysmith.us\d0274278\WTP1-03-EC-20001.dwg

SHEET B-108: EROSION CONTROL AREA A

DSGN	McMURTREY						
DR	A ROBERTS						
CHK	NA						
APVD	NA	NO.	DATE	REVISION	BY	APVD	

VERIFY SCALE
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SITE
EROSION CONTROL
EROSION AND STORMWATER QUALITY CONTROL
PLAN AREA A

SHEET	DWG	03-EC-20001
DATE	AUG 3030	
PROJ	WTP_1.0	

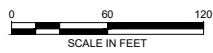
1 PLAN

90% DESIGN - NOT FOR CONSTRUCTION

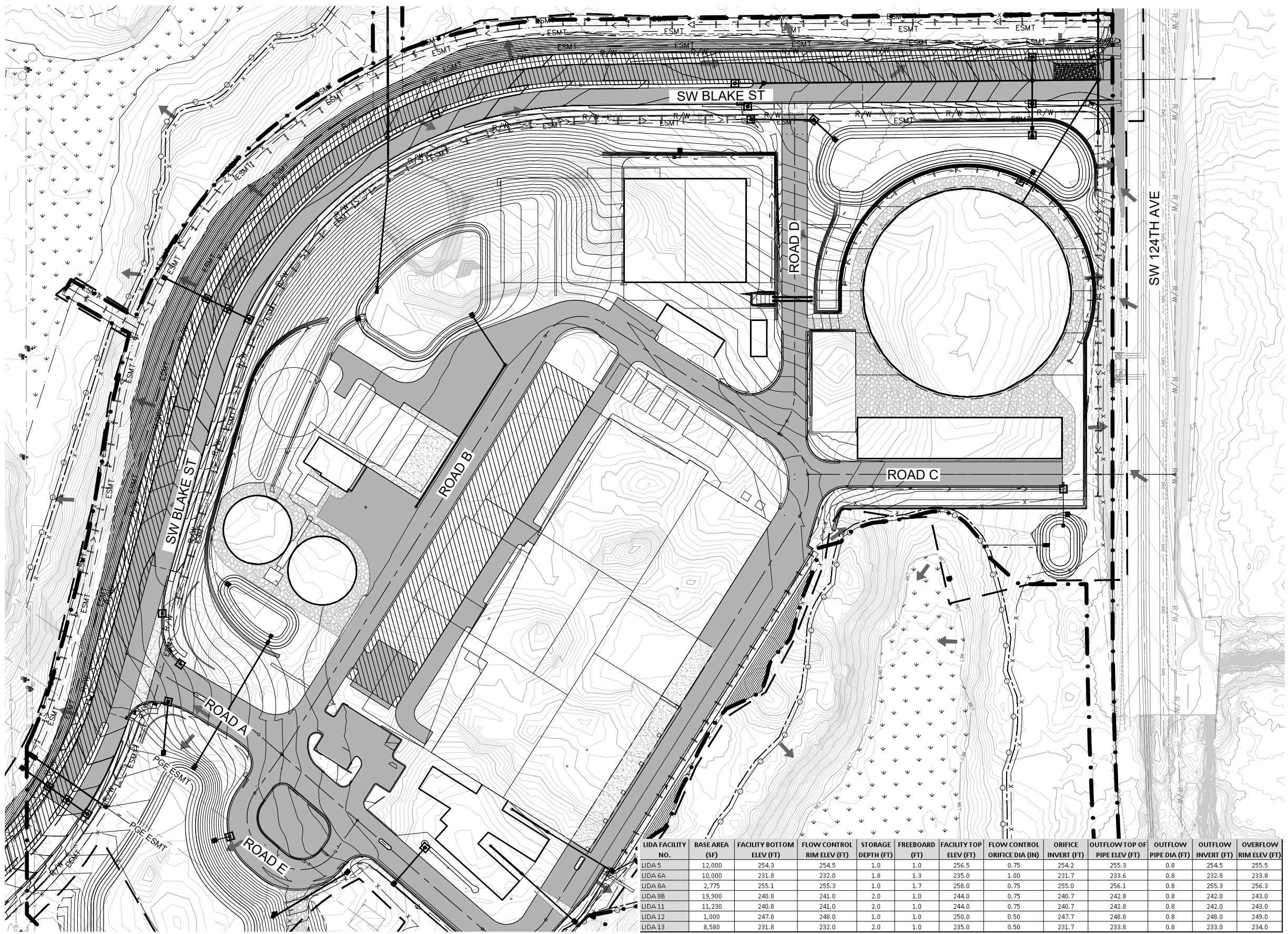
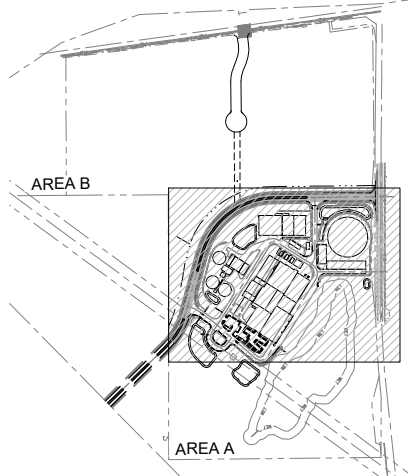
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FOR LAND USE PERMITTING (EXHIBIT B)

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING



- LEGEND**
- PROPOSED SEDIMENT FENCE
 - LIMITS OF DISTURBANCE
 - DRAINAGE FLOW ARROW
 - EXISTING CONTOURS
 - FINISHED CONTOURS
 - PROPOSED STAGING AREA
 - CONSTRUCTION ENTRANCE
 - WETLAND
 - CWS VEGETATED CORRIDOR
 - CHECK DAM
 - INLET PROTECTION
 - OUTLET PROTECTION



LIDA FACILITY NO.	BASE AREA (SF)	FACILITY BOTTOM ELEV (FT)	FLOW CONTROL RIM ELEV (FT)	STORAGE DEPTH (FT)	FREEBOARD (FT)	FACILITY TOP ELEV (FT)	FLOW CONTROL ORIFICE DIA (IN)	ORIFICE INVERT (FT)	OUTFLOW TOP OF PIPE ELEV (FT)	OUTFLOW PIPE DIA (FT)	OUTFLOW INVERT (FT)	OVERFLOW RIM ELEV (FT)
LIDA 5	12,000	254.3	254.5	1.0	1.0	256.5	0.75	254.2	255.3	0.8	254.5	255.5
LIDA 6A	10,000	231.8	232.0	1.8	1.3	235.0	1.00	231.7	233.6	0.8	232.8	233.8
LIDA 8A	2,775	255.1	255.3	1.0	1.7	258.0	0.75	255.0	256.1	0.8	255.3	256.3
LIDA 8B	19,900	240.8	241.0	2.0	1.0	244.0	0.75	240.7	242.8	0.8	242.0	243.0
LIDA 11	11,230	240.8	241.0	2.0	1.0	244.0	0.75	240.7	242.8	0.8	242.0	243.0
LIDA 12	1,000	247.8	248.0	1.0	1.0	250.0	0.50	247.7	248.8	0.8	248.0	249.0
LIDA 13	8,580	231.8	232.0	2.0	1.0	235.0	0.50	231.7	233.8	0.8	233.0	234.0

SHEET B-109: LIDA STORMWATER FACILITY SUMMARY

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY	NO.	DATE	REVISION	BY	APVD
DR	M ESTEP					
CHK	NA					
APVD	NA					

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SITE
EROSION CONTROL
EROSION AND STORMWATER QUALITY CONTROL
LAYOUT PLAN AREA A

SHEET	DWG 03-EC-20002
DATE	AUG 2020
PROJ	WTP_1.0

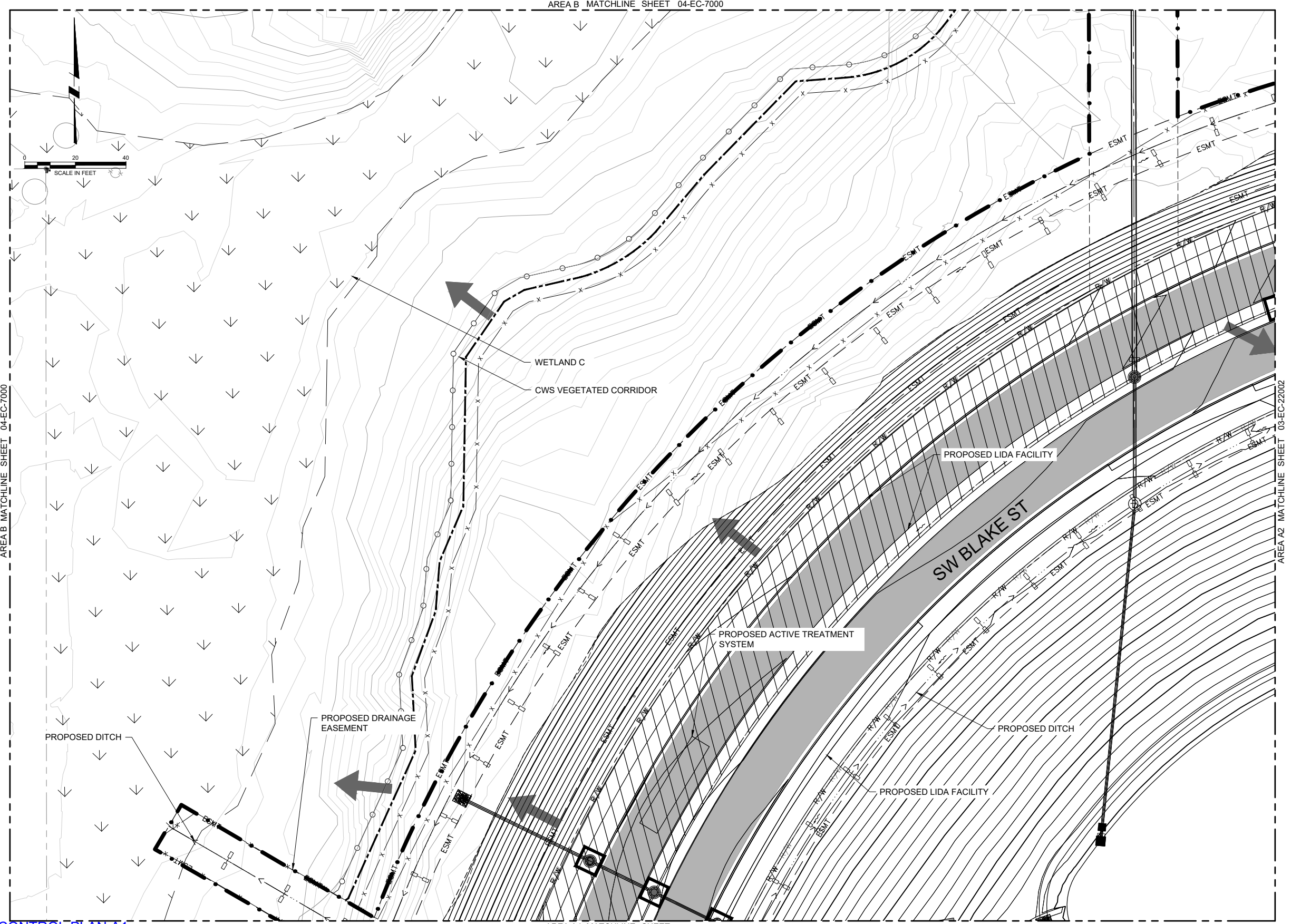
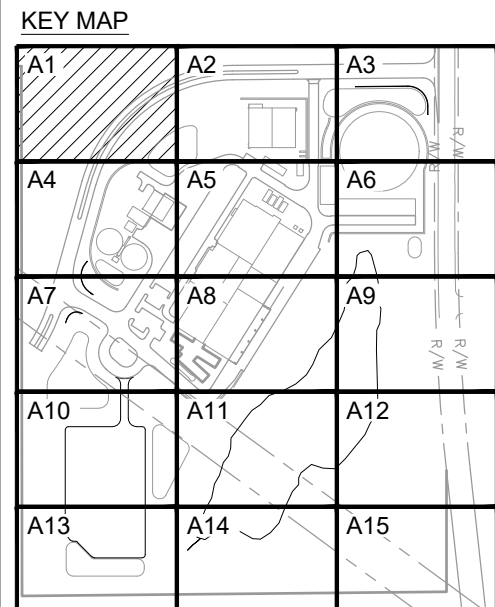
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FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

AREA B MATCHLINE SHEET 04-EC-7000

- LEGEND**
- PROPOSED SEDIMENT FENCE
 - LIMITS OF DISTURBANCE
 - DRAINAGE FLOW ARROW
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 - CONSTRUCTION ENTRANCE
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 - CHECK DAM
 - INLET PROTECTION
 - OUTLET PROTECTION



SHEET B-110: EROSION CONTROL PLAN A1

AREA A4 MATCHLINE SHEET 03-EC-22004

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
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0" = 1"
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SITE
EROSION CONTROL
AND STORMWATER QUALITY CONTROL
PLAN AREA A1

SHEET	DWG	03-EC-22001
DATE	AUG 2020	
PROJ	WTP_1.0	

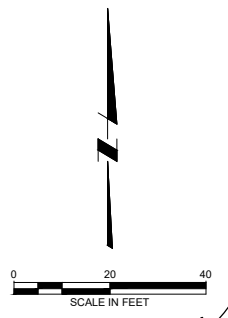
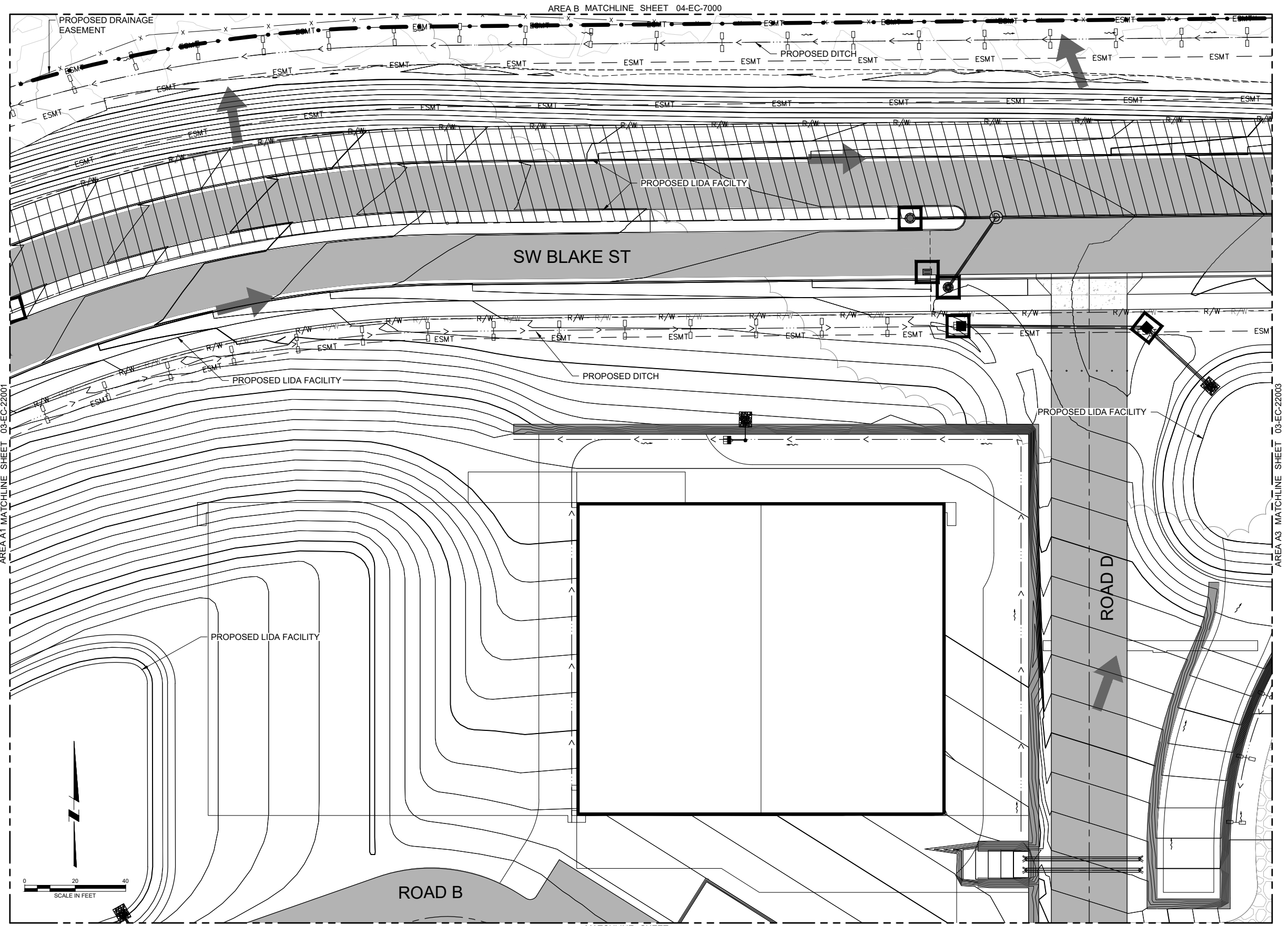
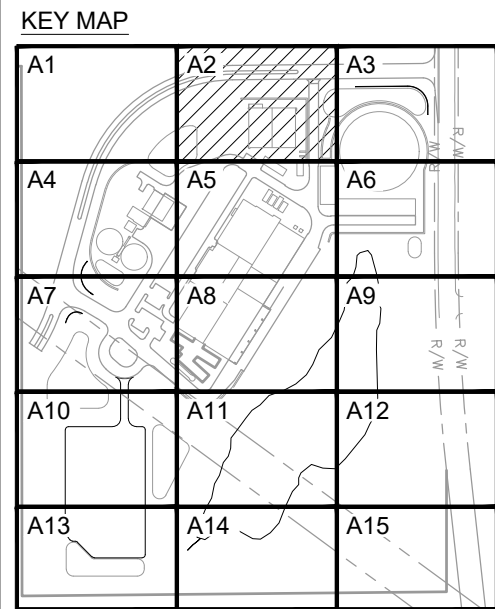
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BY: CHRIS JAIN
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
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FOR LAND USE PERMITTING (EXHIBIT B)

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SHEET B-111: EROSION CONTROL PLAN AREA A2

AREA A5 MATCHLINE SHEET 03-EC-22005

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY	NO.	DATE	REVISION	BY	APVD
DR	A ROBERTS					
CHK	B FOSTER					
APVD	M HICKEY					

VERIFY SCALE
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SITE
 EROSION CONTROL
 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A2

SHEET	DWG	03-EC-22002
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

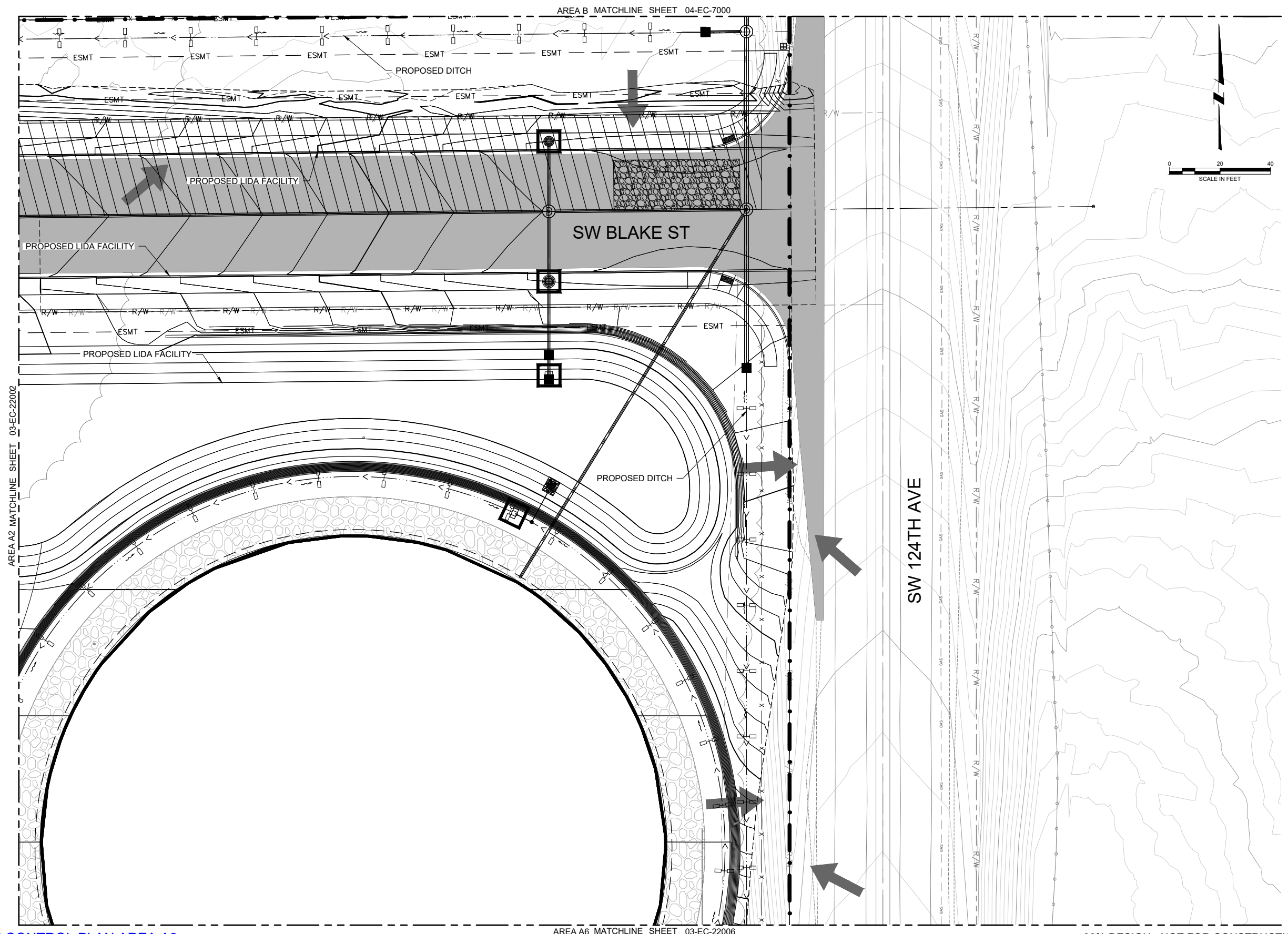
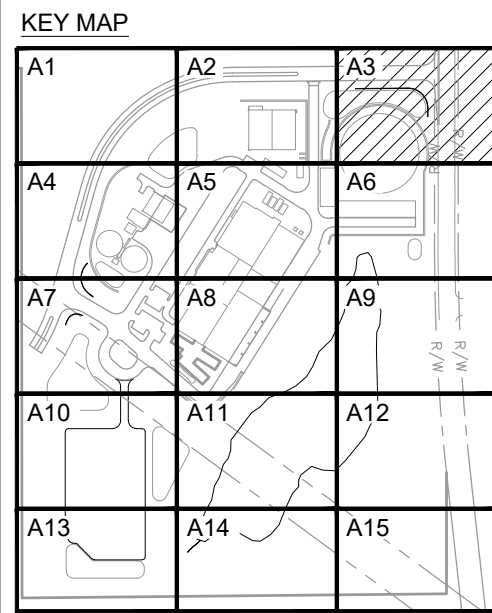
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 BY: CHRIS JAIN
 PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM

FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
 1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

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SHEET B-112: EROSION CONTROL PLAN AREA A3

DSGN	McMURTREY	NO.	DATE	REVISION	BY	APVD
DR	A ROBERTS					
CHK	B FOSTER					
APVD	M HICKEY					

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SITE
 EROSION CONTROL
 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A3

SHEET	DWG	03-EC-22003
DATE	AUG 2020	
PROJ	WTP_1.0	

DWG FILE: C:\csm\chris.jain@murraysmith.us\d0274278\WTP1-03-EC-22001.dwg
 PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
 BY: CHRIS JAIN

FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
 1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

AREA A1 MATCHLINE SHEET 03-EC-22001

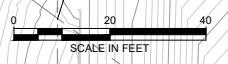
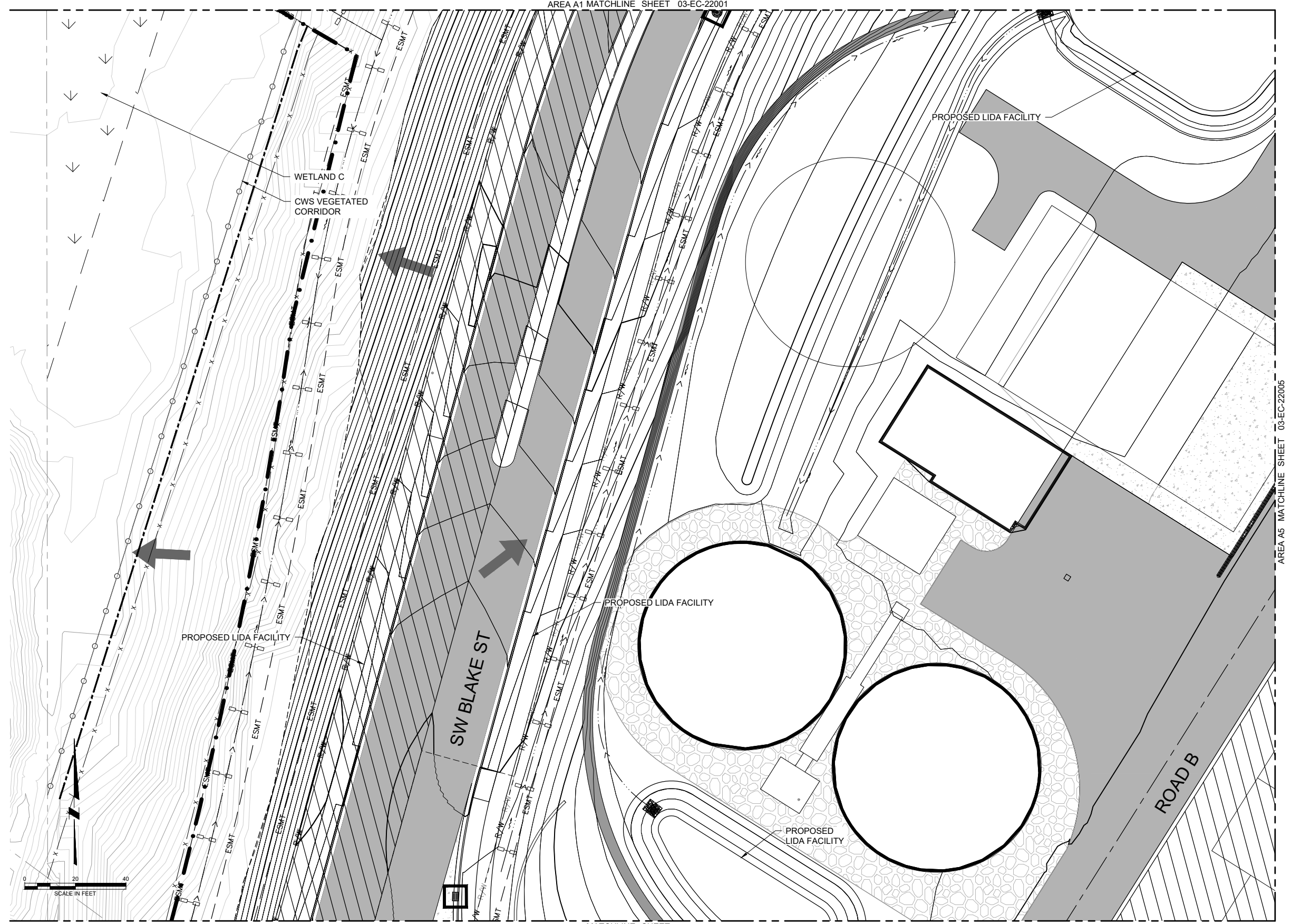
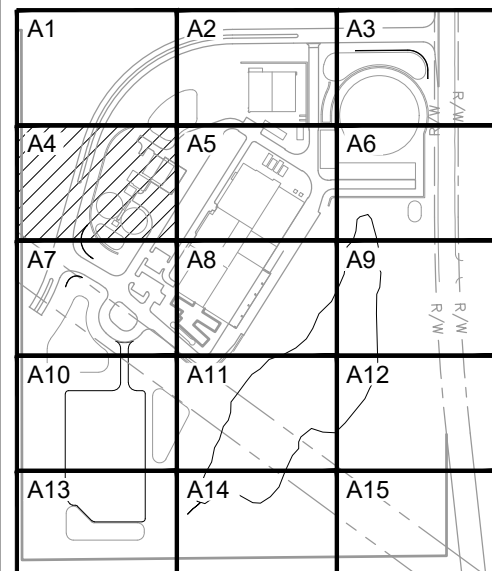
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PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM

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- LEGEND**
- PROPOSED SEDIMENT FENCE
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 - WETLAND
 - CWS VEGETATED CORRIDOR
 - CHECK DAM
 - INLET PROTECTION
 - OUTLET PROTECTION

KEY MAP



SHEET B-113: EROSION CONTROL PLAN AREA A4

AREA A7 MATCHLINE SHEET 03-EC-22007

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

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SITE
 EROSION CONTROL
 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A4

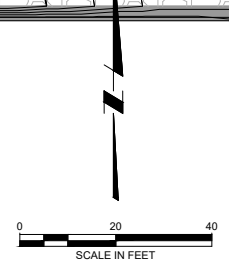
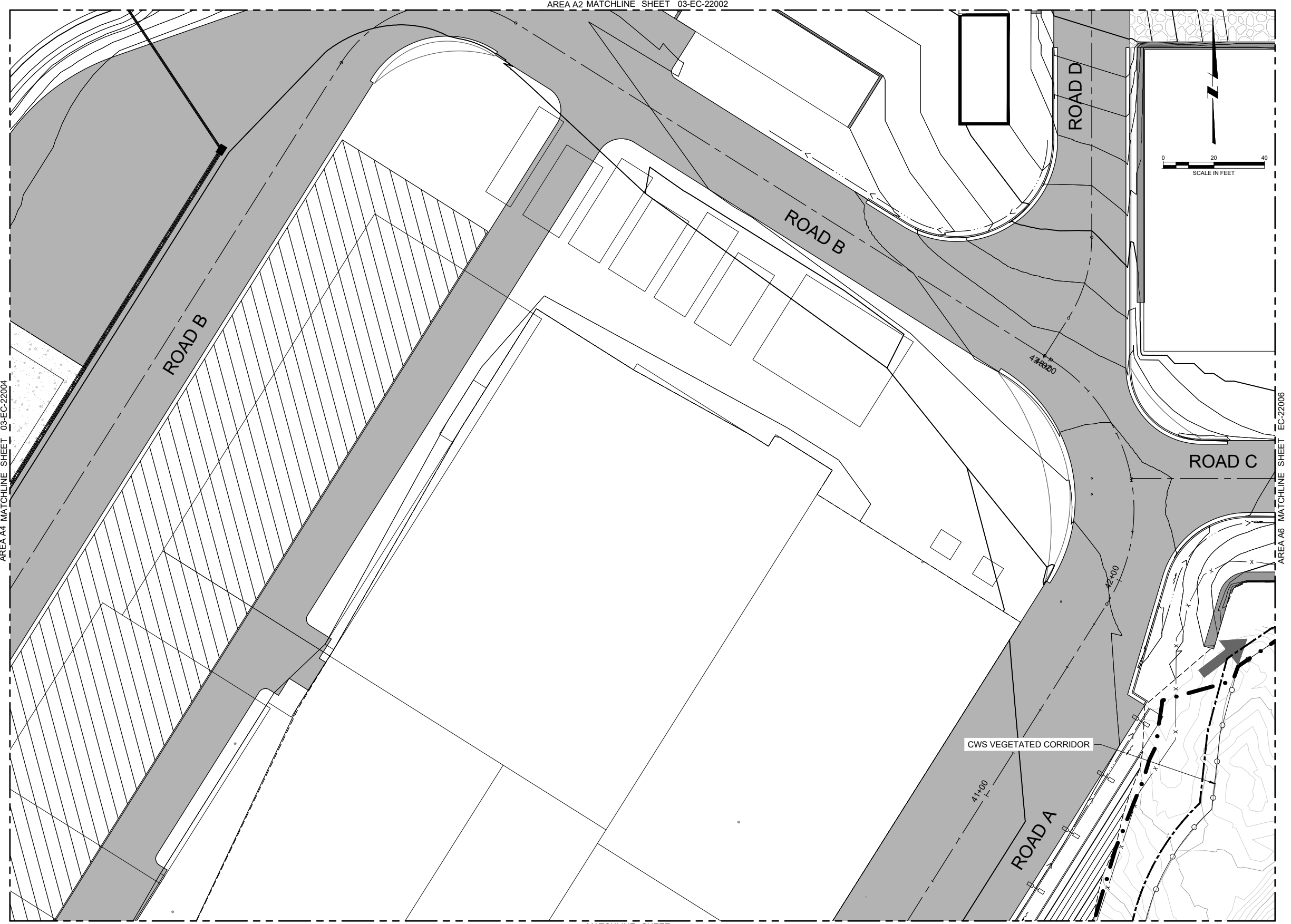
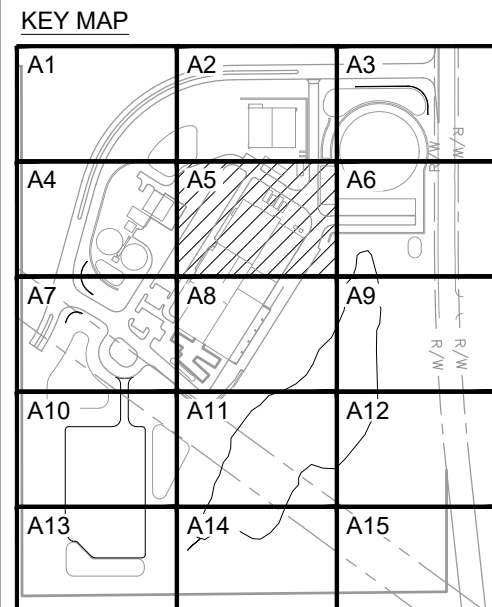
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DATE	AUG 2020	
PROJ	WTP_1.0	

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FOR LAND USE PERMITTING (EXHIBIT B)

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SHEET B-114: EROSION CONTROL PLAN AREA A5

DSGN	McMURTREY					
DR	A ROBERTS					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
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SITE
 EROSION CONTROL
 AND STORMWATER QUALITY CONTROL
 PLAN AREA A5

SHEET	DWG	03-EC-22005
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

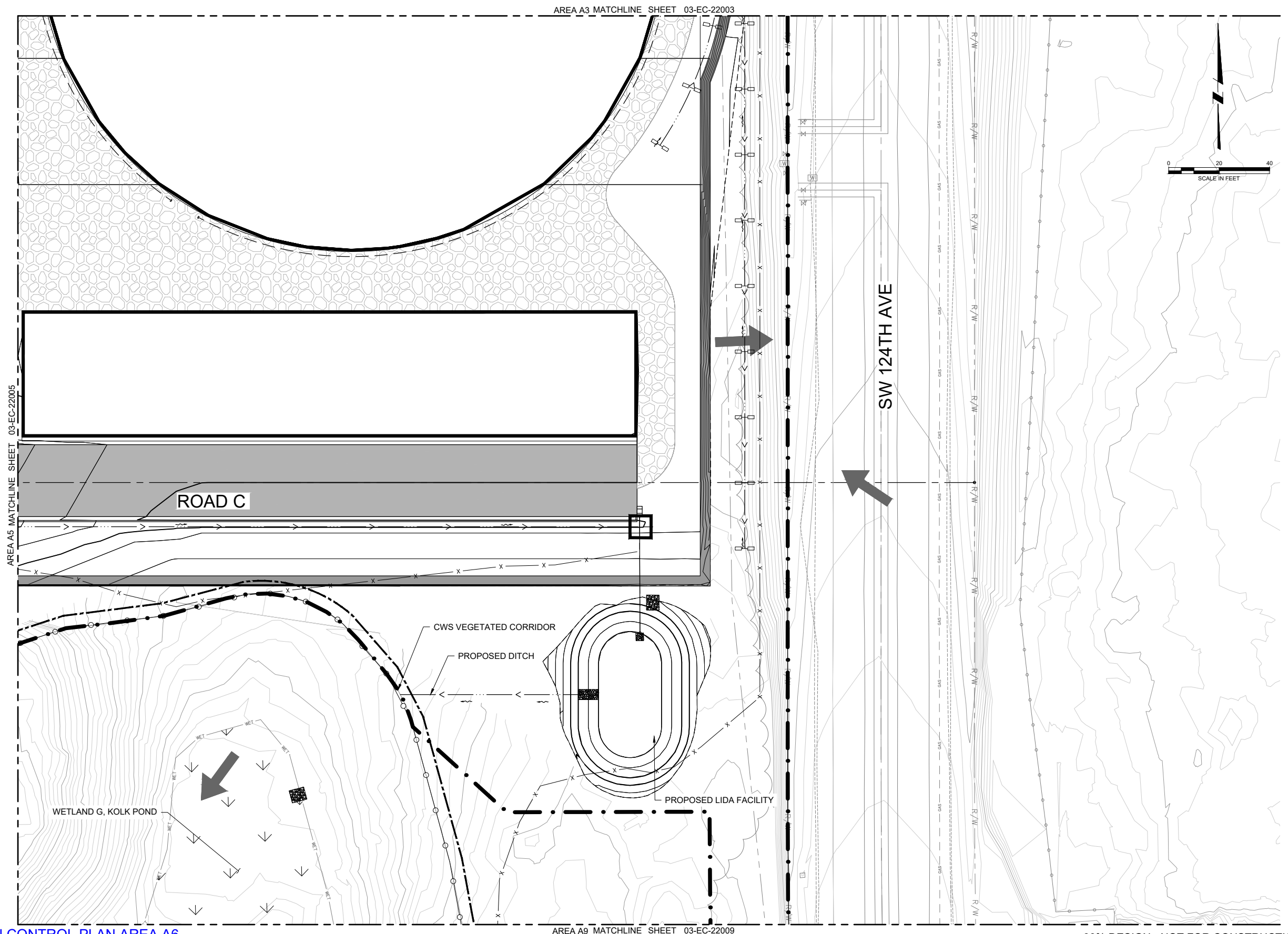
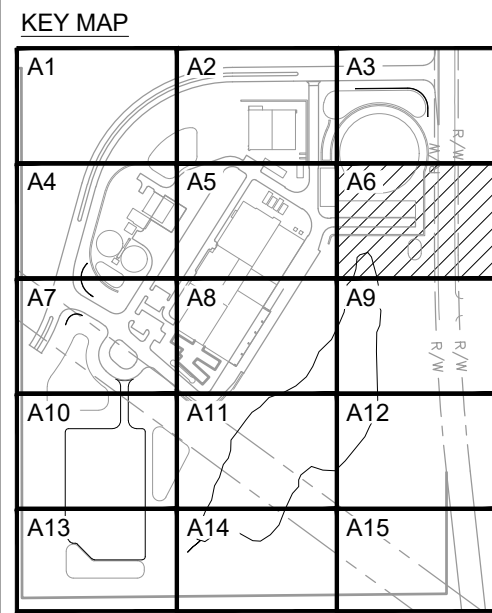
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 BY: CHRIS JAIN

FOR LAND USE PERMITTING (EXHIBIT B)

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 - OUTLET PROTECTION



SHEET B-115: EROSION CONTROL PLAN AREA A6

DSGN	McMURTRY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
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SITE
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 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A6

SHEET	DWG	03-EC-22006
DATE	AUG 2020	
PROJ	WTP_1.0	

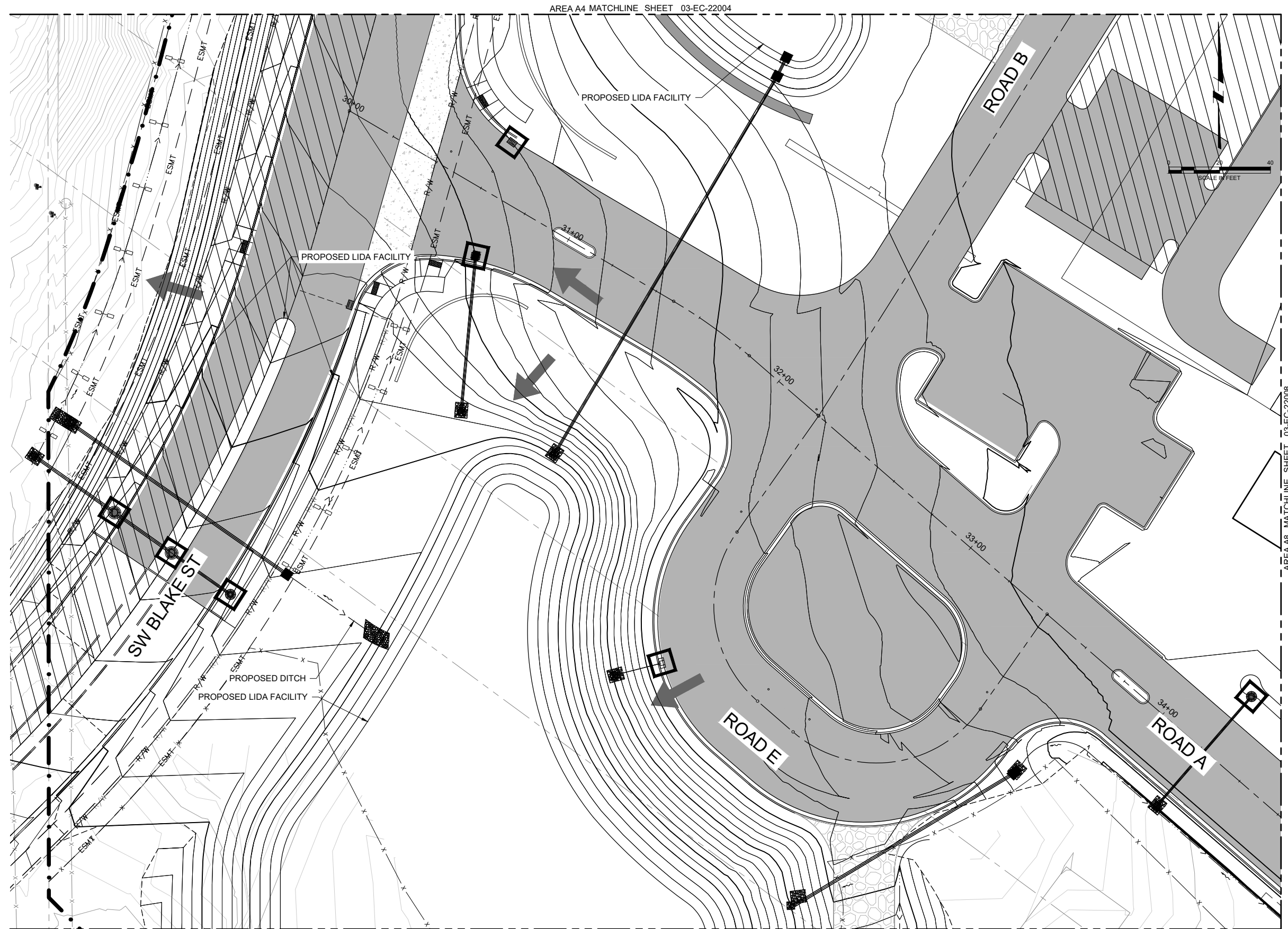
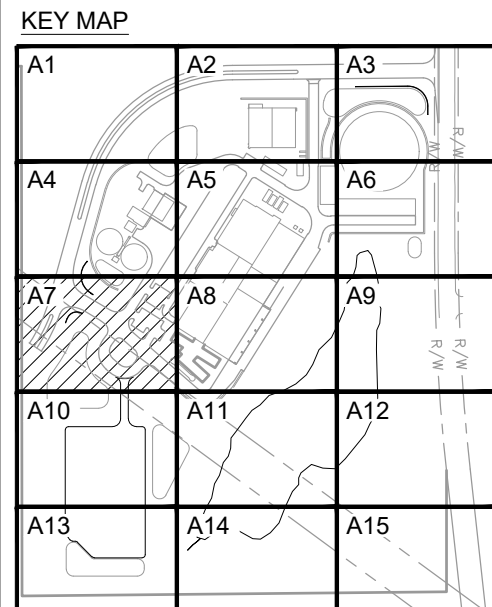
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 BY: CHRIS JAIN

FOR LAND USE PERMITTING (EXHIBIT B)

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 - OUTLET PROTECTION



SHEET B-116: EROSION CONTROL PLAN AREA A7

DSGN	McMURTRY	NO.	DATE	REVISION	BY	APVD
DR	A ROBERTS					
CHK	B FOSTER					
APVD	M HICKEY					

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SITE
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 PLAN AREA A7

SHEET	DWG	03-EC-22007
DATE	AUG 2020	
PROJ	WTP_1.0	

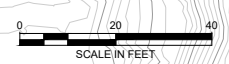
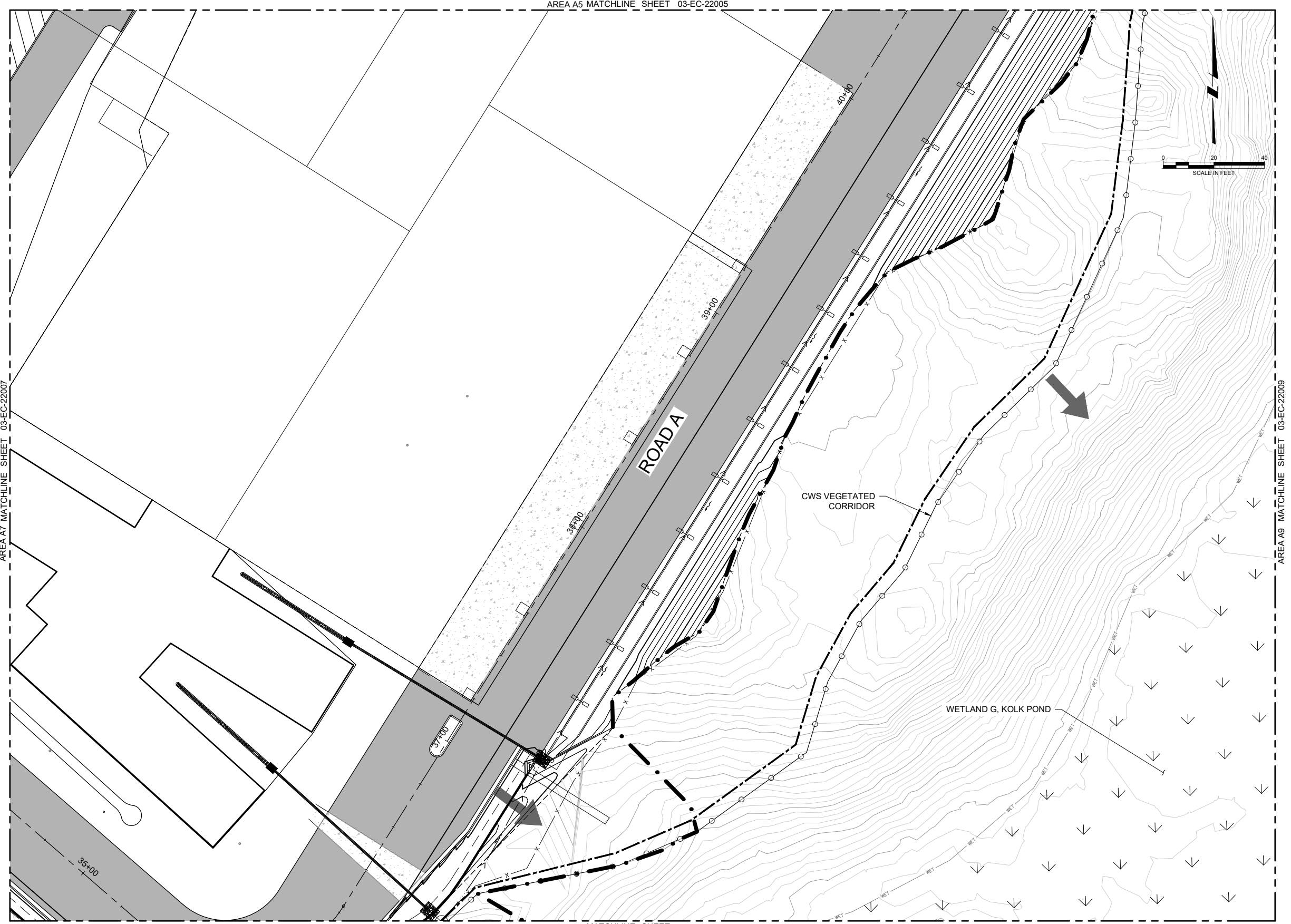
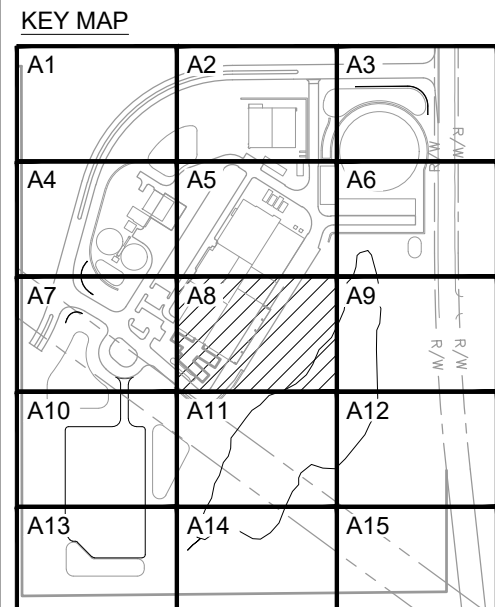
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 PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
 BY: CHRIS JAIN

FOR LAND USE PERMITTING (EXHIBIT B)

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SHEET B-117: EROSION CONTROL PLAN AREA A8

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY					
DR	A ROBERTS					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
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SITE
EROSION AND STORMWATER QUALITY CONTROL
PLAN AREA A8

SHEET	DWG	03-EC-22008
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

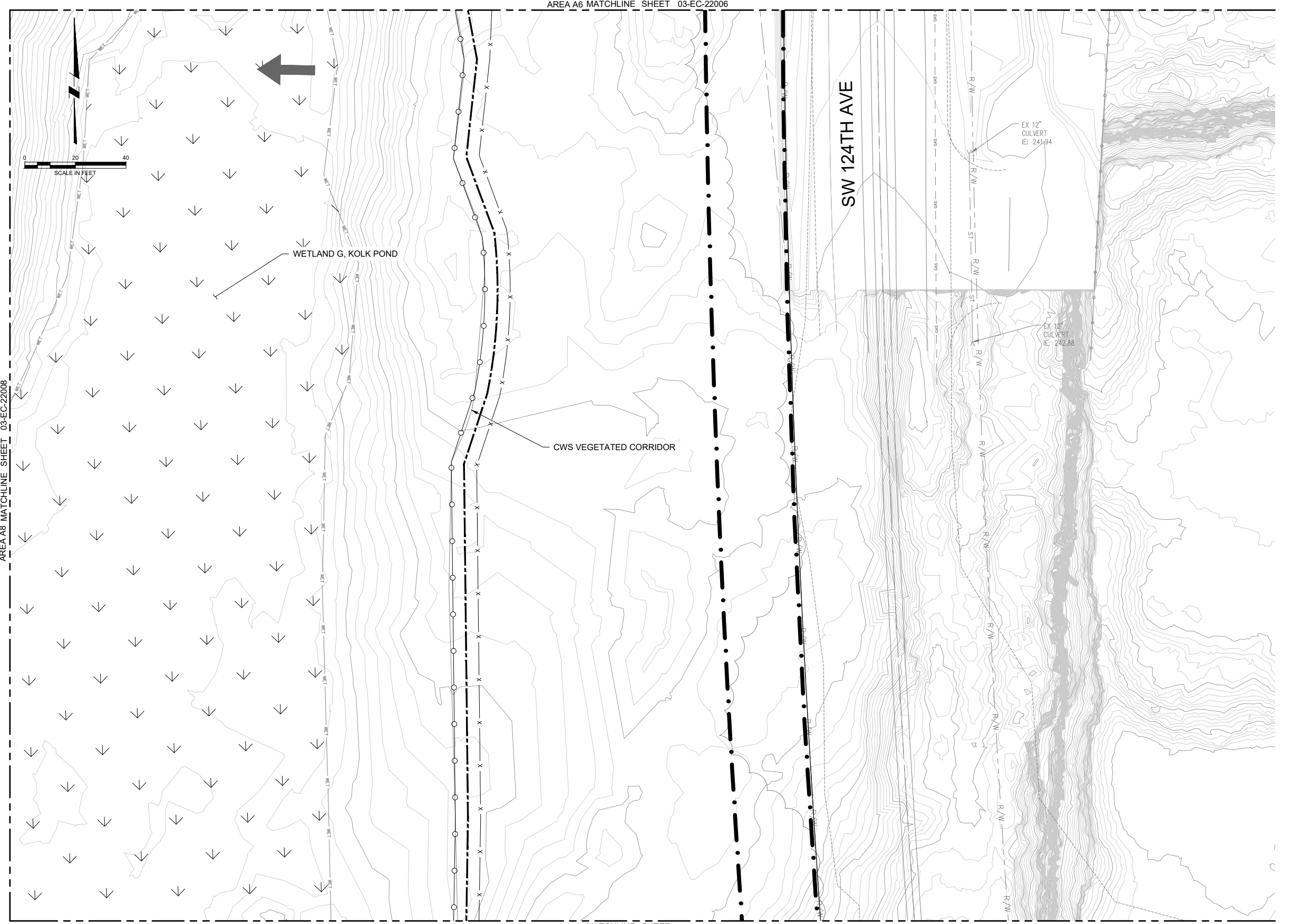
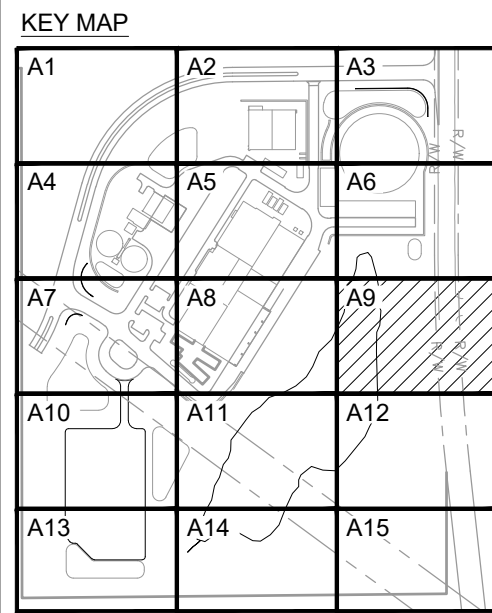
BY: CHRIS JAIN
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
DWG FILE: C:\cdm\christis.jain@murraysmith.us\d0274278\WTP1-03-EC-22001.dwg

FOR LAND USE PERMITTING (EXHIBIT B)

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SHEET B-118: EROSION CONTROL PLAN AREA A9

DSGN	McMURTREY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

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 PLAN AREA A9

SHEET	DWG	03-EC-22009
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

DWG FILE: C:\cdm\christis.jain@murraysmith.us\d0274278\WTP1-03-EC-22001.dwg
 PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
 BY: CHRIS JAIN

FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
 1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

MATCHLINE SHEET 03-EC-22007

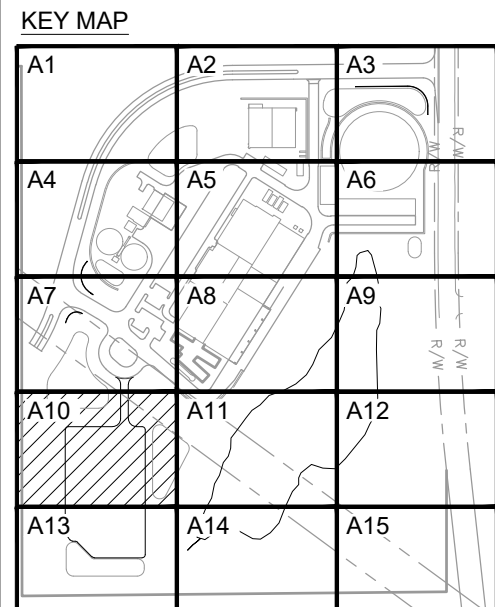


BY: CHRIS JAIN

PLOT DATE: Tuesday, December 17, 2019 11:19:39 AM

DWG FILE: C:\cdm\christis.jain@murraysmith.us\d024278\WTP1-03-EC-22001.dwg

- LEGEND**
- PROPOSED SEDIMENT FENCE
 - LIMITS OF DISTURBANCE
 - DRAINAGE FLOW ARROW
 - EXISTING CONTOURS
 - FINISHED CONTOURS
 - PROPOSED STAGING AREA
 - CONSTRUCTION ENTRANCE
 - WETLAND
 - CWS VEGETATED CORRIDOR
 - CHECK DAM
 - INLET PROTECTION
 - OUTLET PROTECTION



SHEET B-119: EROSION CONTROL PLAN AREA A10

MATCHLINE SHEET 03-EC-22013

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON
 ORIGINAL DRAWING.
 IF NOT ONE INCH ON
 THIS SHEET, ADJUST
 SCALES ACCORDINGLY.



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SITE
 EROSION CONTROL
 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A10

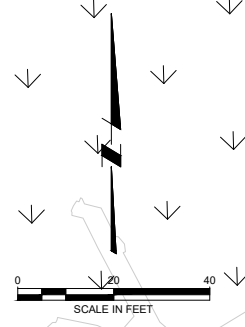
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	DATE	AUG 2020
	PROJ	WTP_1.0

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

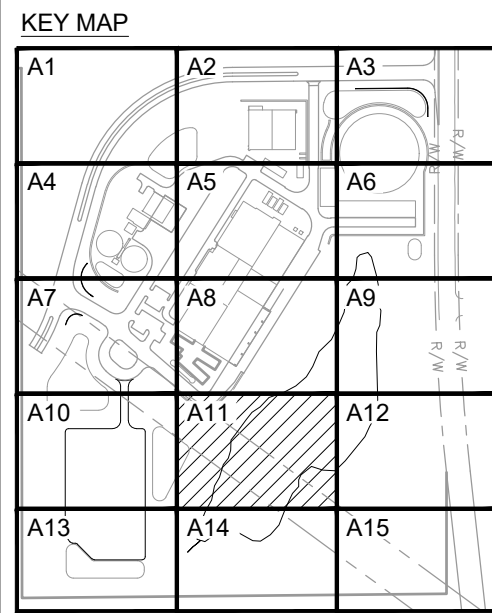
FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
 1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

MATCHLINE SHEET 03-EC-22008



- LEGEND**
- PROPOSED SEDIMENT FENCE
 - LIMITS OF DISTURBANCE
 - DRAINAGE FLOW ARROW
 - EXISTING CONTOURS
 - FINISHED CONTOURS
 - PROPOSED STAGING AREA
 - CONSTRUCTION ENTRANCE
 - WETLAND
 - CWS VEGETATED CORRIDOR
 - CHECK DAM
 - INLET PROTECTION
 - OUTLET PROTECTION



SHEET B-120: EROSION CONTROL PLAN AREA A11

MATCHLINE SHEET 03-EC-22014

90% DESIGN - NOT FOR CONSTRUCTION

DWG FILE: C:\cdm\christis.jain@murraysmith.us\d024278\WTP1-03-EC-22001.dwg
 PLOT DATE: Tuesday, December 17, 2019 11:19:48 AM
 BY: CHRIS JAIN

DSGN	McMURTREY					
DR	A ROBERTS					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
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 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A11

SHEET	DWG	03-EC-22011
DATE	AUG 2020	
PROJ	WTP_1.0	

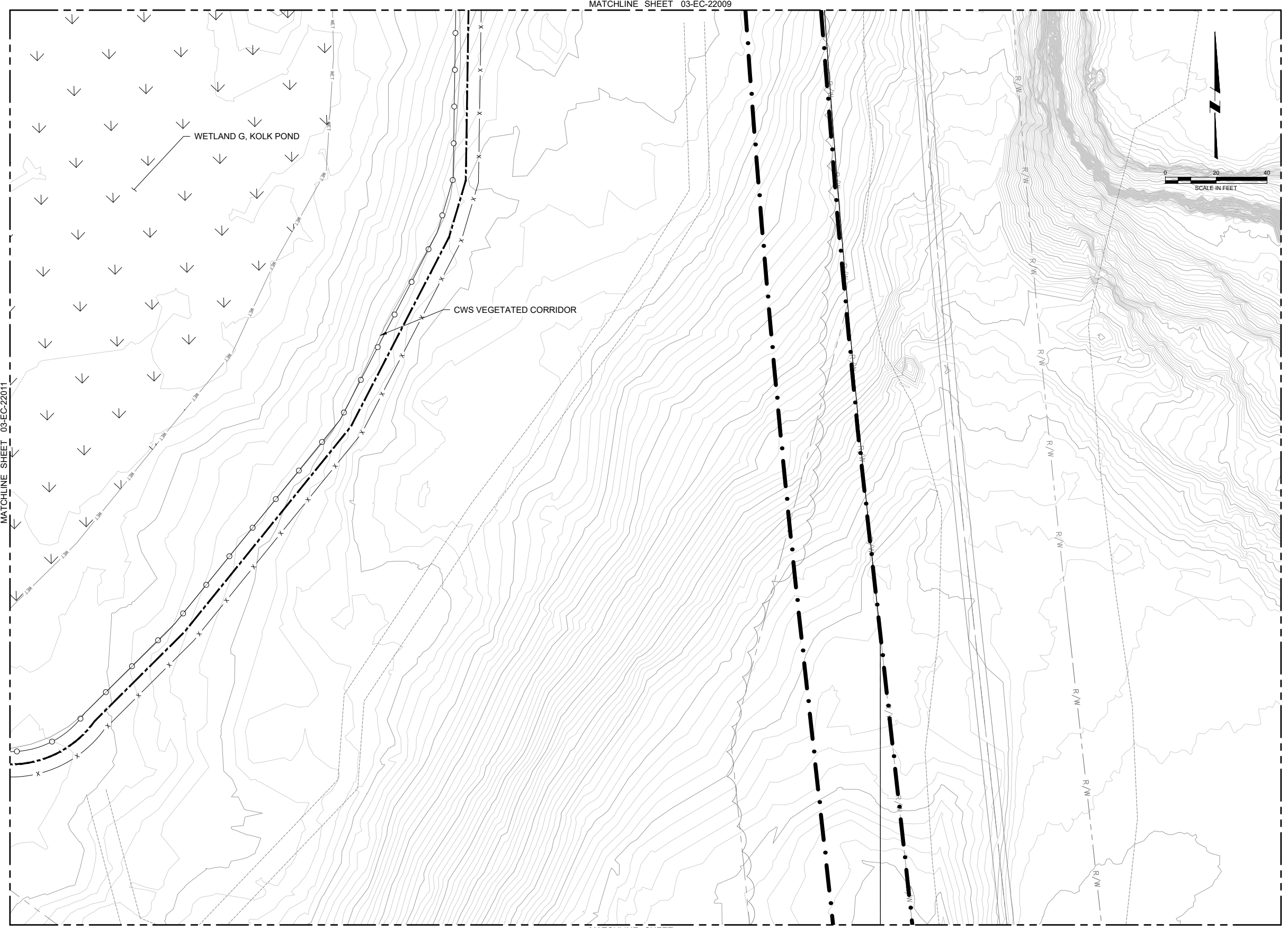
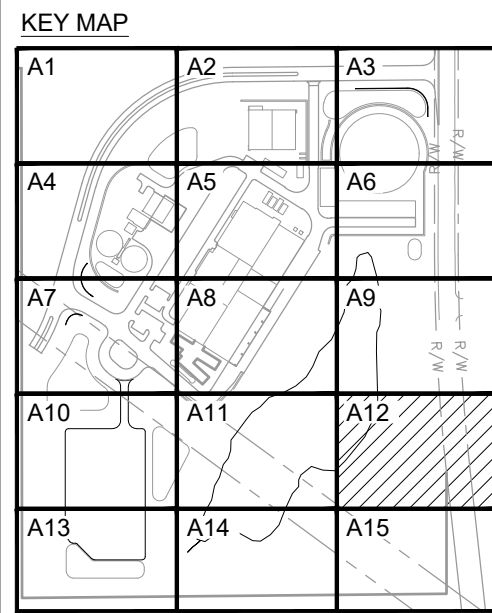
PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
 1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

- LEGEND**
- PROPOSED SEDIMENT FENCE
 - LIMITS OF DISTURBANCE
 - DRAINAGE FLOW ARROW
 - EXISTING CONTOURS
 - FINISHED CONTOURS
 - PROPOSED STAGING AREA
 - CONSTRUCTION ENTRANCE
 - WETLAND
 - CWS VEGETATED CORRIDOR
 - CHECK DAM
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 - OUTLET PROTECTION



BY: CHRIS JAIN
 PLOT DATE: Tuesday, December 17, 2019 11:19:55 AM
 DWG FILE: C:\cdm\chris.jain@murraysmith.us\d0274278\WTP1-03-EC-22001.dwg

SHEET B-121: EROSION CONTROL PLAN AREA A12

MATCHLINE SHEET 03-EC-22015

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTRY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
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SITE
 EROSION CONTROL
 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A12

SHEET	DWG	03-EC-22012
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

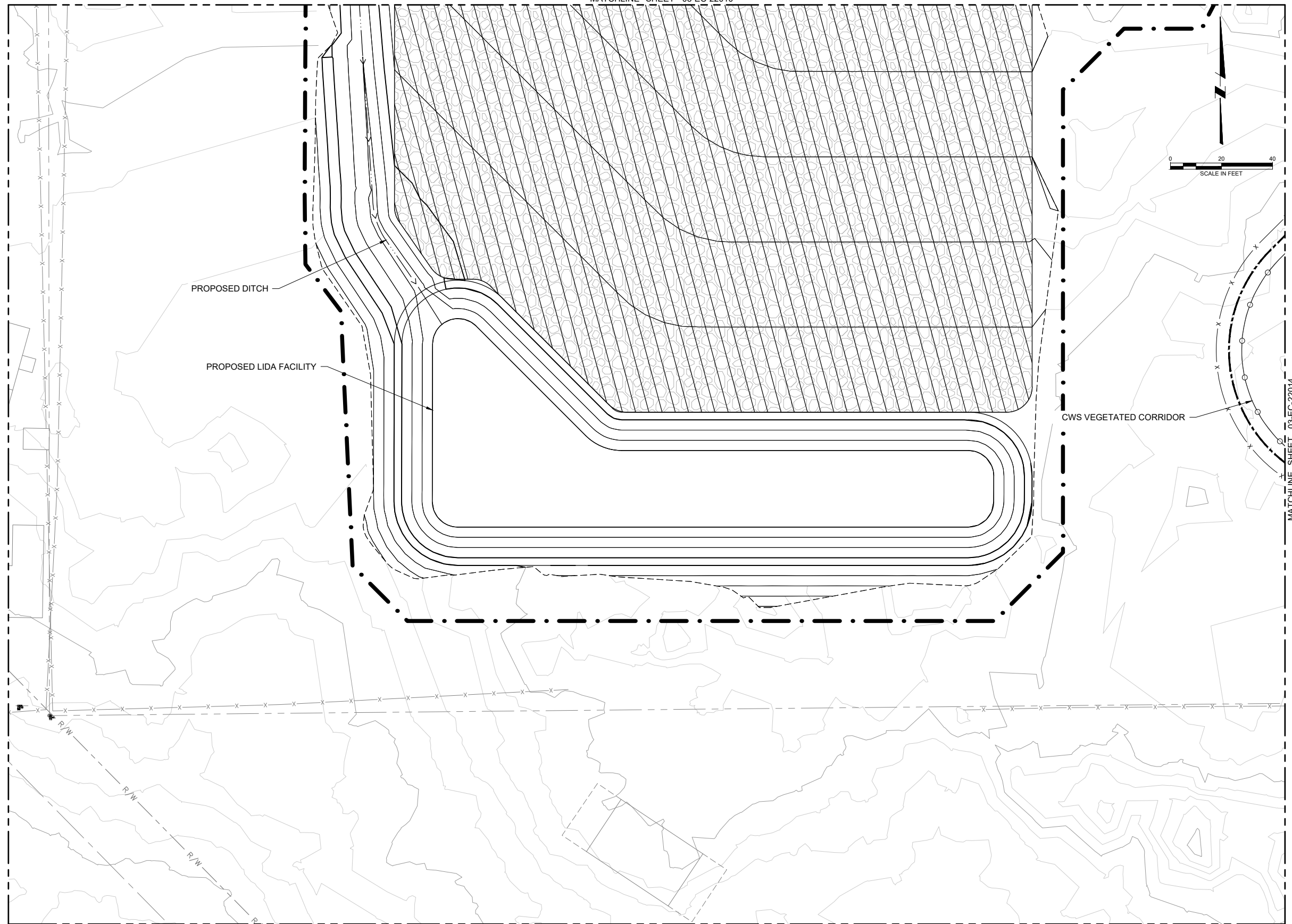
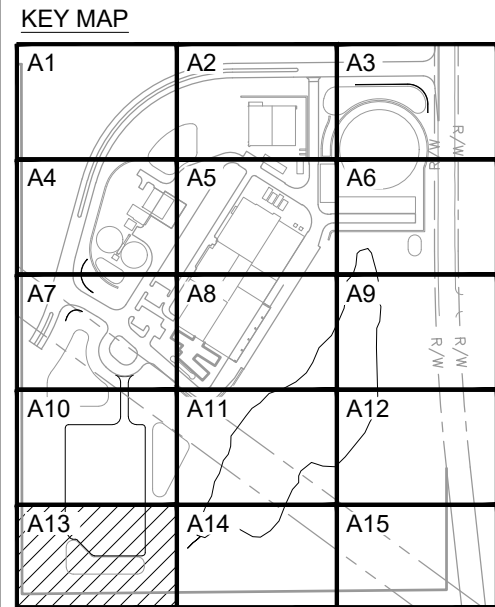
FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
 1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

MATCHLINE SHEET 03-EC-22010

BY: CHRIS JAIN
 PLOT DATE: Tuesday, December 17, 2019 11:20:01 AM

- LEGEND**
- PROPOSED SEDIMENT FENCE
 - LIMITS OF DISTURBANCE
 - DRAINAGE FLOW ARROW
 - EXISTING CONTOURS
 - FINISHED CONTOURS
 - PROPOSED STAGING AREA
 - CONSTRUCTION ENTRANCE
 - WETLAND
 - CWS VEGETATED CORRIDOR
 - CHECK DAM
 - INLET PROTECTION
 - OUTLET PROTECTION



SHEET B-122: EROSION CONTROL PLAN AREA A13

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
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SITE
 EROSION CONTROL
 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A13

SHEET	DWG	03-EC-22013
DATE	AUG 2020	
PROJ	WTP_1.0	

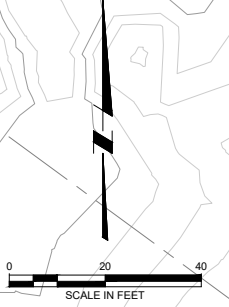
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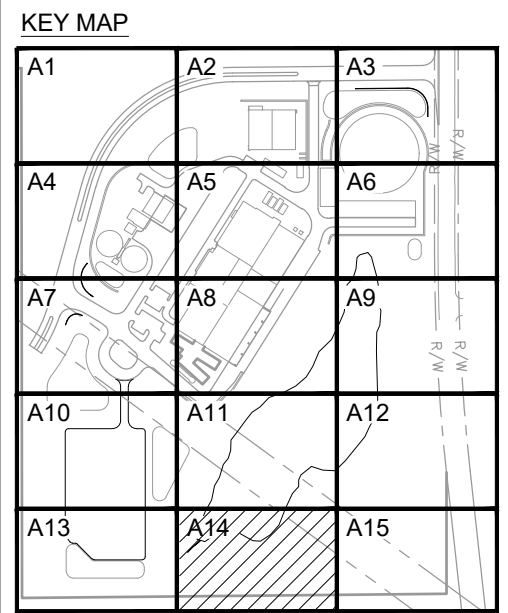
FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

MATCHLINE SHEET 03-EC-22011



- LEGEND**
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 - CHECK DAM
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 - OUTLET PROTECTION



SHEET B-123: EROSION CONTROL PLAN AREA A14

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY				
DR	A ROBERTS				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

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SITE
EROSION CONTROL
AND STORMWATER QUALITY CONTROL
PLAN AREA A14

SHEET	DWG	03-EC-22014
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

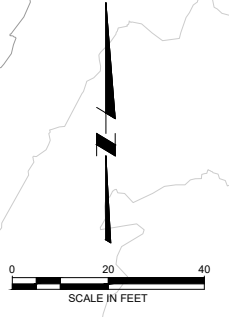
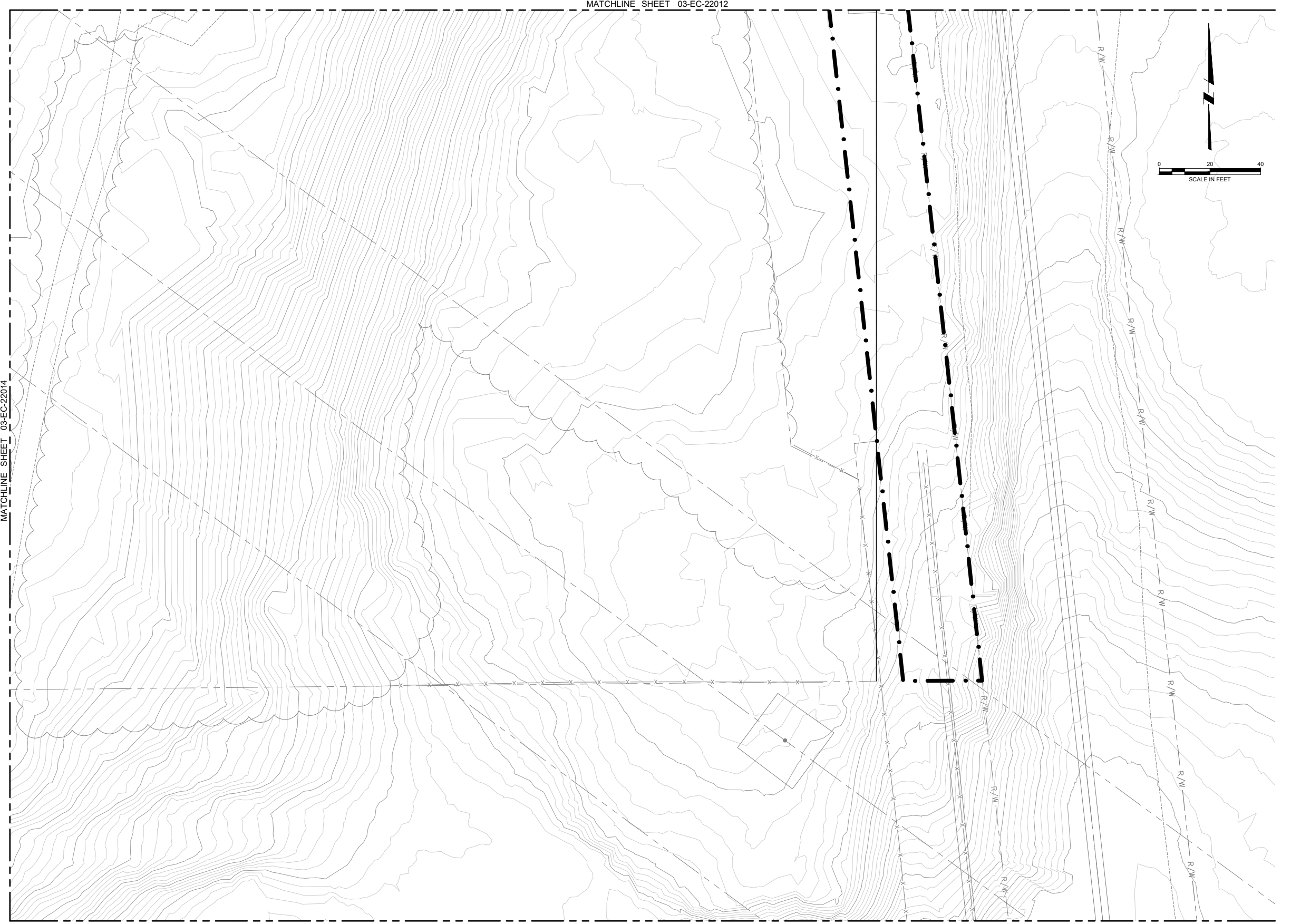
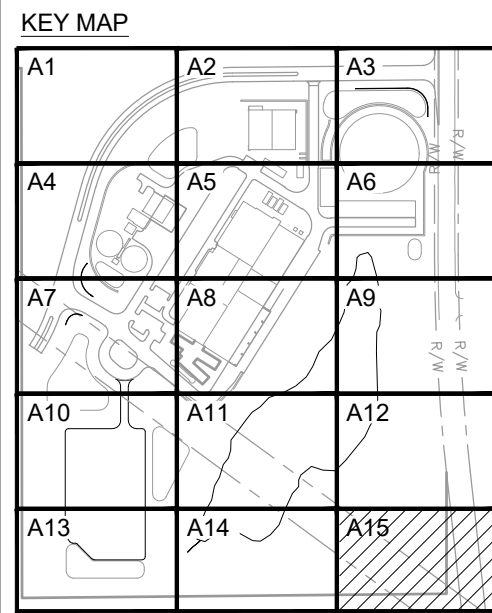
BY: CHRIS JAIN
PLOT DATE: Tuesday, December 17, 2019 11:20:07 AM
DWG FILE: C:\cdm\christis.jain@murraysmith.us\d024278\WTP1-03-EC-22001.dwg

FOR LAND USE PERMITTING (EXHIBIT B)

NOTES:
 1. ALL EROSION CONTROL MEASURES PER CLEAN WATER SERVICE STANDARDS (CWS R&O 07-20)

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

- LEGEND**
- PROPOSED SEDIMENT FENCE
 - LIMITS OF DISTURBANCE
 - DRAINAGE FLOW ARROW
 - EXISTING CONTOURS
 - FINISHED CONTOURS
 - PROPOSED STAGING AREA
 - CONSTRUCTION ENTRANCE
 - WETLAND
 - CWS VEGETATED CORRIDOR
 - CHECK DAM
 - INLET PROTECTION
 - OUTLET PROTECTION



SHEET B-124: EROSION CONTROL PLAN AREA A15

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	McMURTREY					
DR	A ROBERTS					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

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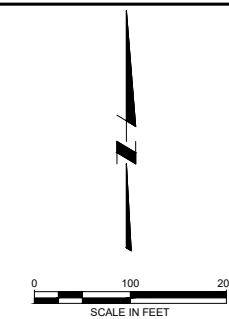
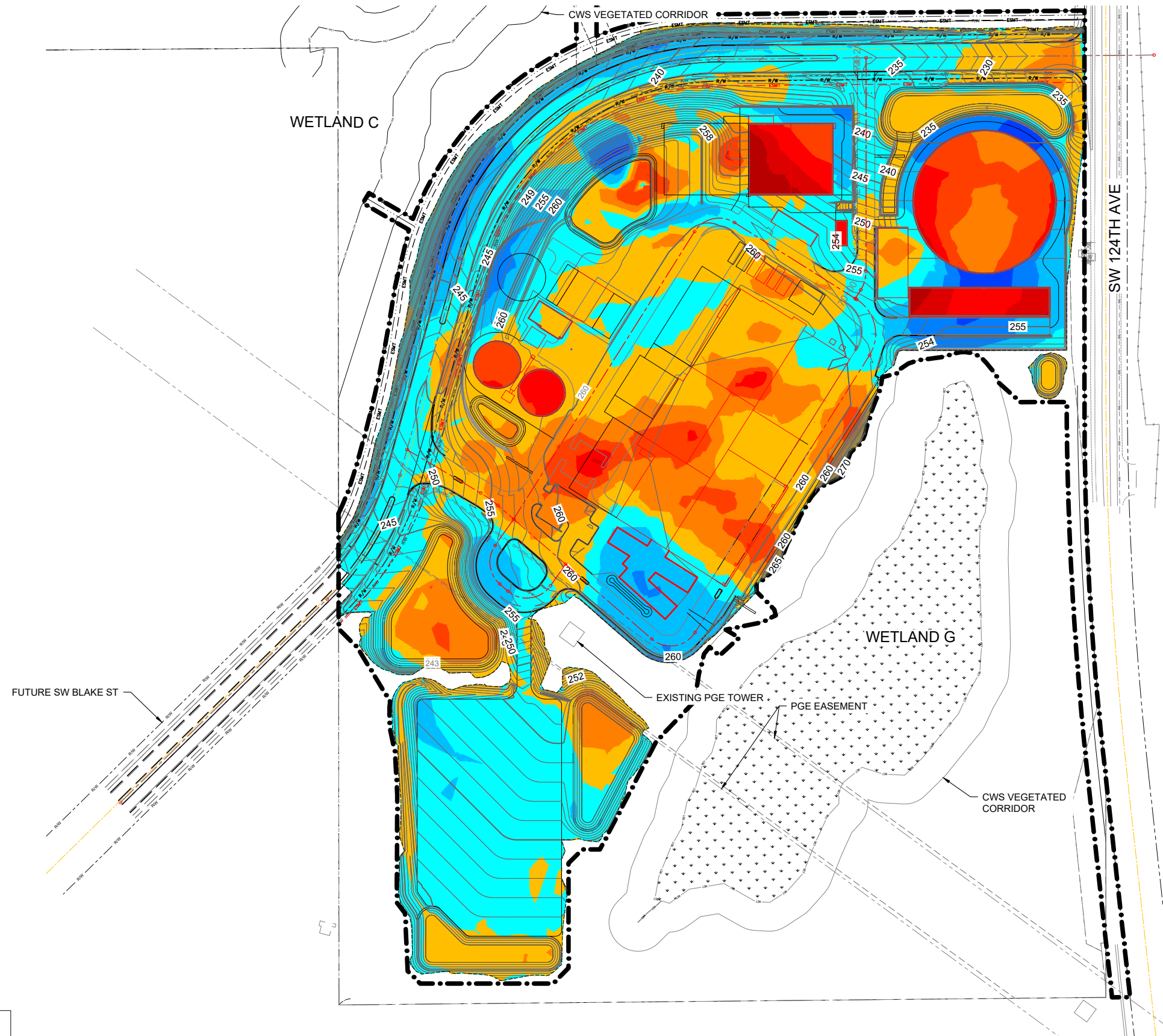
SITE
 EROSION CONTROL
 EROSION AND STORMWATER QUALITY CONTROL
 PLAN AREA A15

SHEET	DWG	03-EC-22015
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 4:13:34 PM

DWG FILE: C:\cdm\christis.jain@murraysmith.us\d024278\WTP1-03-EC-22001.dwg
 PLOT DATE: Tuesday, December 17, 2019 11:20:15 AM
 BY: CHRIS JAIN

FOR LAND USE PERMITTING (EXHIBIT B)



Elevations Table				
NUMBER	MINIMUM ELEVATION (FT)	MAXIMUM ELEVATION (FT)	COLOR	AREA (FT)
1	-30.000	-25.000		5851.2
2	-25.000	-20.000		10455.0
3	-20.000	-15.000		26181.8
4	-15.000	-10.000		68217.1
5	-10.000	-5.000		147033.8
6	-5.000	0.000		351859.7
7	0.000	5.000		393651.3
8	5.000	10.000		128253.9
9	10.000	15.000		32034.0
10	15.000	20.000		5418.5

NOTES:

- ELEVATIONS TABLE REPRESENTS CUT AND FILL DEPTHS BELOW OR ABOVE THE EXISTING GROUND SURFACE. FOR EXAMPLE NUMBER 1 (DARK RED) REPRESENTS CUTS DOWN TO FINISHED GRADES BETWEEN 25 AND 30 FEET BELOW THE EXISTING GROUND SURFACE. NUMBER 10 (DARK BLUE) REPRESENTS FILLS TO FINISHED GRADE BETWEEN 15 AND 20 FEET ABOVE EXISTING GROUND SURFACE.

BY: BEN FOSTER
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
DWG FILE: C:\cdm\ben.foster@murraysmith.us\0438554\WTP1-03-GR-20001-PERMIT.dwg

SHEET B-125: EARTHWORK HEAT MAP (CUT AND FILL)

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	B FOSTER					
DR	M ESTEP					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

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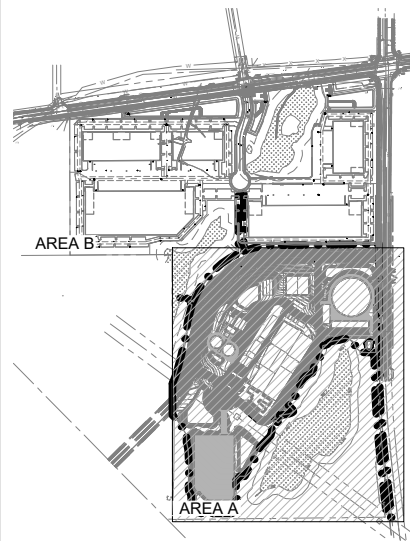
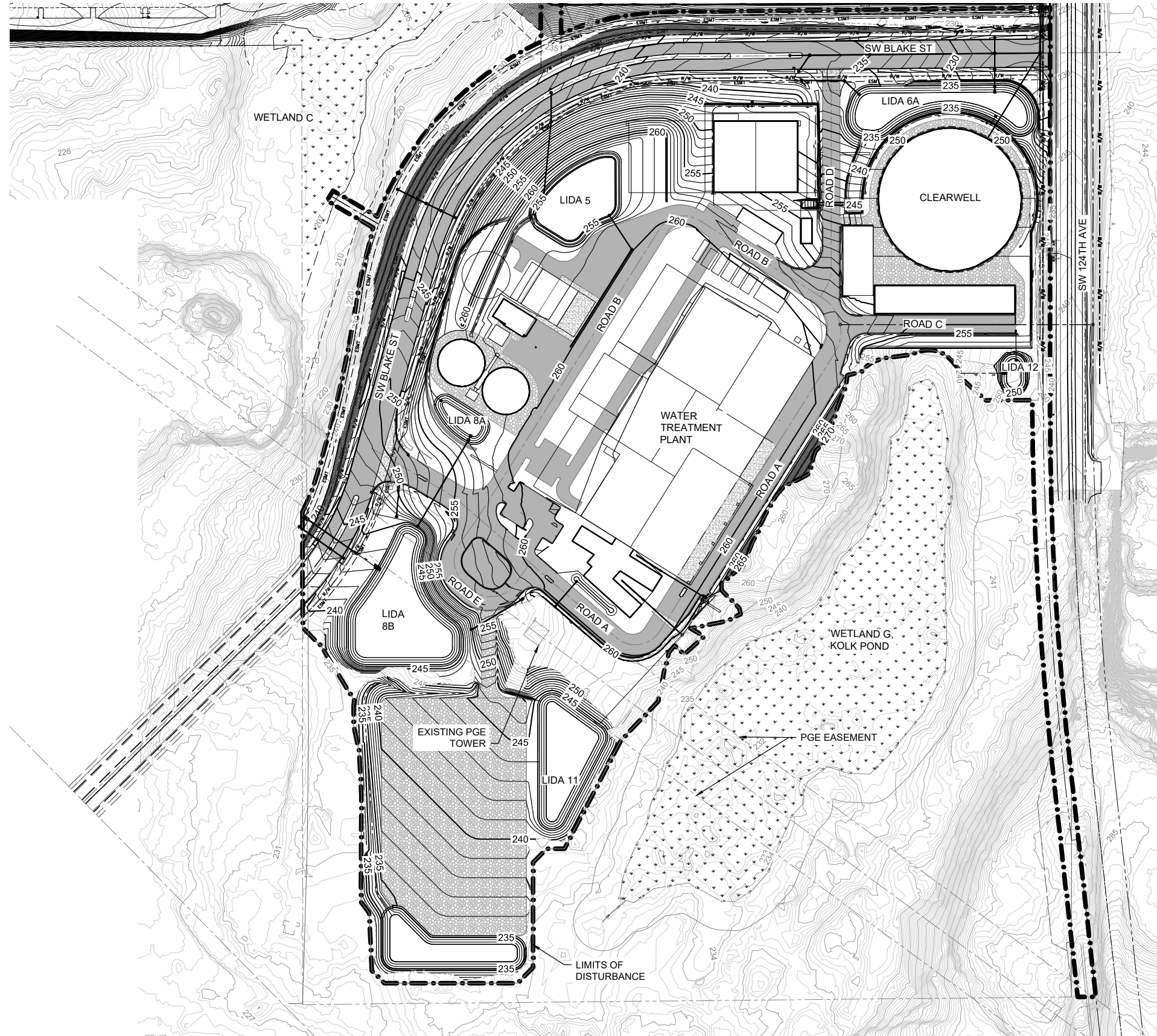
SITE
GRADING, PAVING AND DRAINAGE
OVERALL PLAN AREA A
EARTHWORK

SHEET	
DWG	
DATE	AUG 2020
PROJ	WTP_1.0

PLOT DATE AND TIME: 8/24/2020 3:03:36 PM

FOR LAND USE PERMITTING (EXHIBIT B)

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING



KEY MAP
NTS

SHEET B-126: GRADING PLAN AREA A

DSGN	K USAGAWA					
DR	M ESTEP					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
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SCALES ACCORDINGLY.



SITE
GRADING
GRADING, PAVING AND DRAINAGE OVERALL PLAN
AREA A

SHEET	DWG	03-GR-20001
DATE	AUG 2020	
PROJ	WTP_1.0	

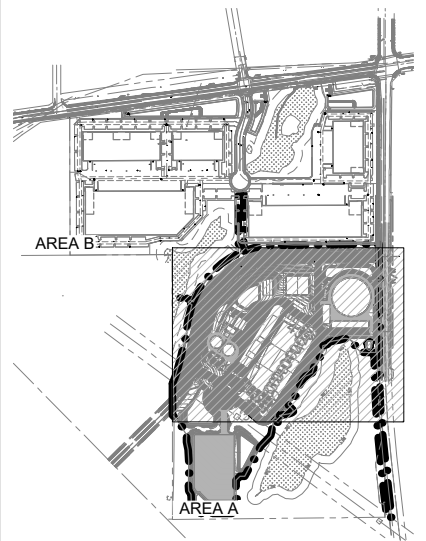
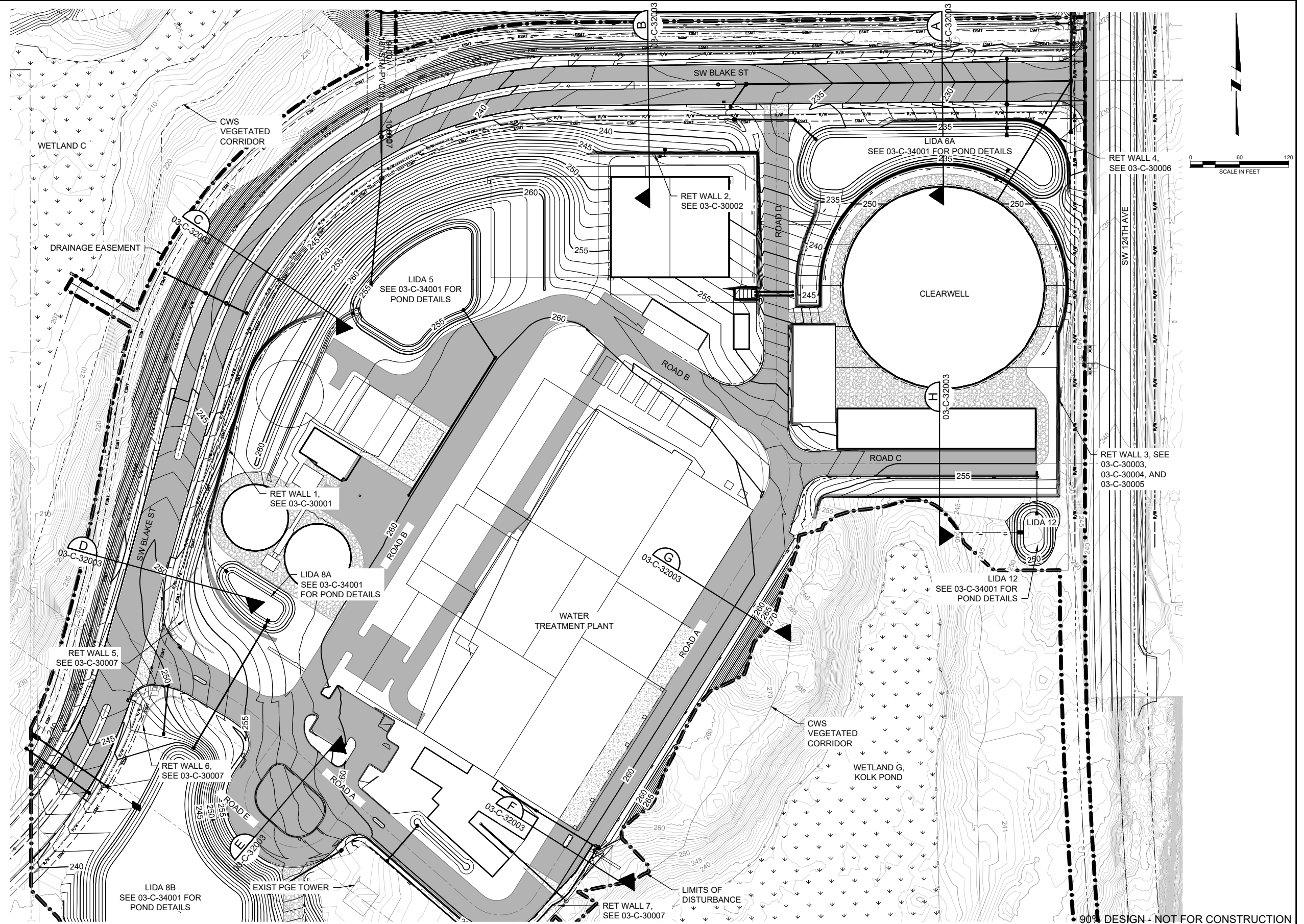
90% DESIGN - NOT FOR CONSTRUCTION

PLOT DATE AND TIME: 8/24/2020 6:43:12 PM

BY: KELSEY VANDEBERGH
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
DWG FILE: C:\cdm\kelsey.vandenberg@murraysmith.us\40274278\WTP1-03-GR-20001.dwg

FOR LAND USE PERMITTING (EXHIBIT B)

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING



KEY MAP
NTS

SHEET B-127:
GRADING PLANS
AREAS A1-A9

DSGN	K USAGAWA	NO.	DATE	REVISION	BY	APVD
DR	M ESTEP					
CHK	B FOSTER					
APVD	M HICKEY					

VERIFY SCALE
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SITE
GRADING
GRADING, PAVING AND DRAINAGE LAYOUT PLAN
AREA A

SHEET	DWG	03-GR-20002
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 6:43:12 PM

BY: KELSEY VANDEBERGH
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
DWG FILE: C:\cdm\kelsey.vandenberg@murraysmith.us\40274278\WTP1-03-GR-20001.dwg

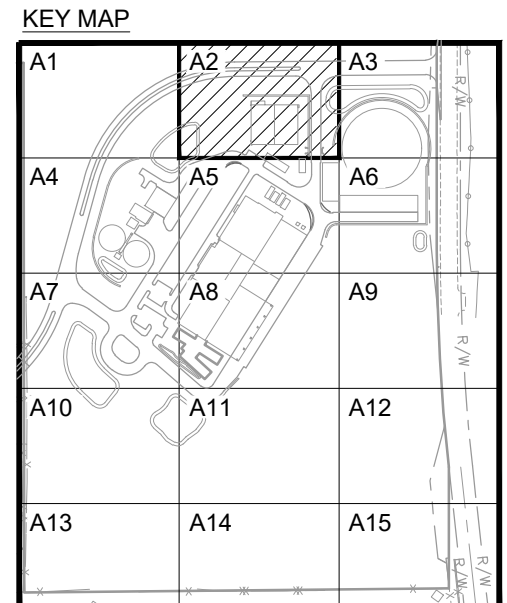
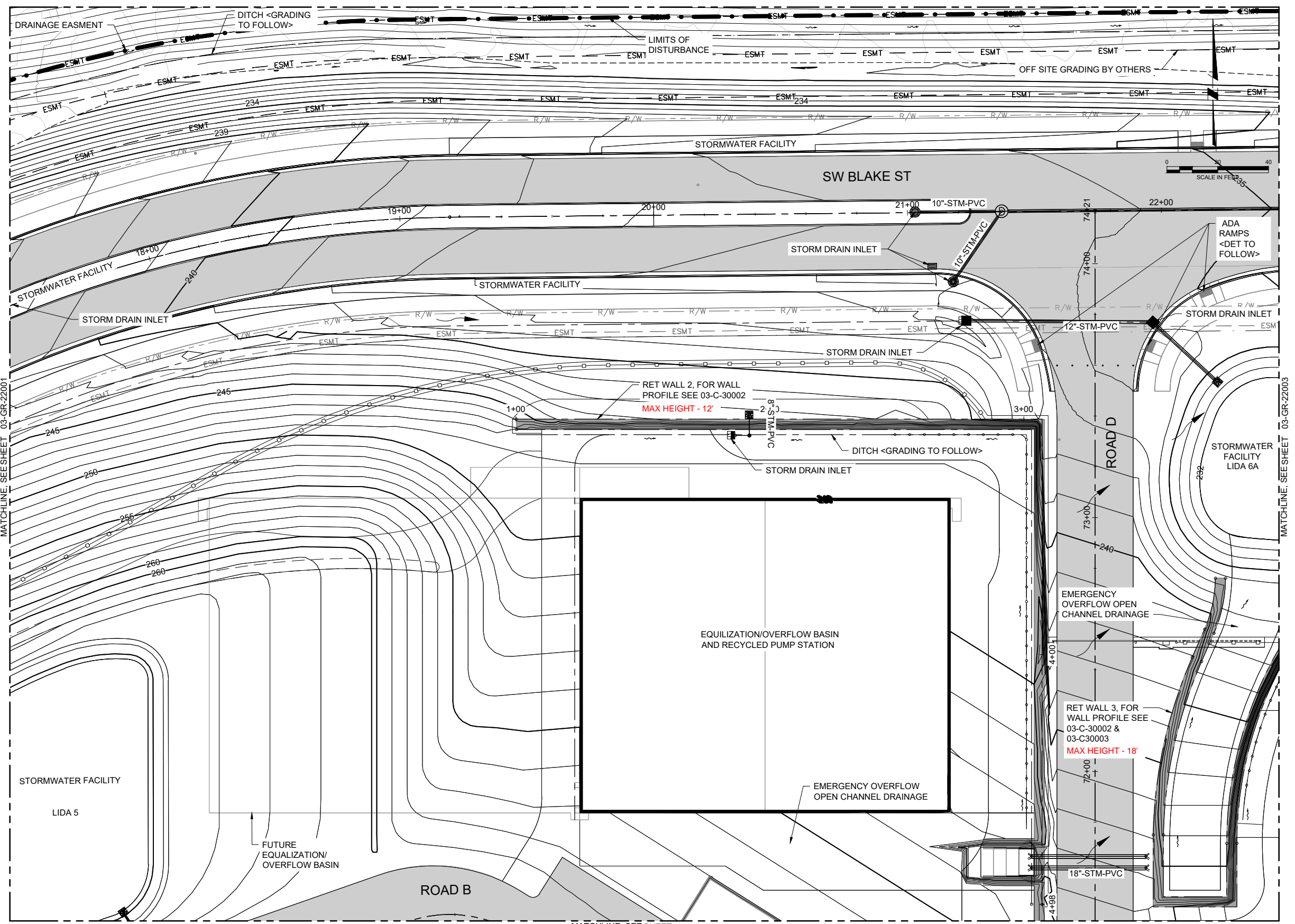
FOR LAND USE PERMITTING (EXHIBIT B)

BY: BEN FOSTER

PLOT DATE: Tuesday, December 17, 2019 11:17:53 AM

DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-03-GR-22001.dwg

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH



SHEET B-129: GRADING PLAN AREA A2

MATCHLINE, SEE SHEET 03-GR-22005

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	K USAGAWA					
DR	M ESTEP					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
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SITE GRADING
GRADING, PAVING AND DRAINAGE PLAN AREA A2

SHEET	DWG	03-GR-22002
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/14/2020 4:27:38 PM

FOR LAND USE PERMITTING (EXHIBIT B)

BY: BEN FOSTER

PLOT DATE: Tuesday, December 17, 2019 11:18:20 AM

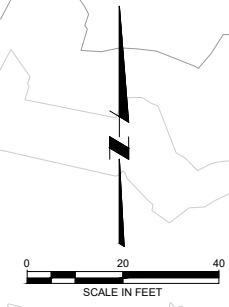
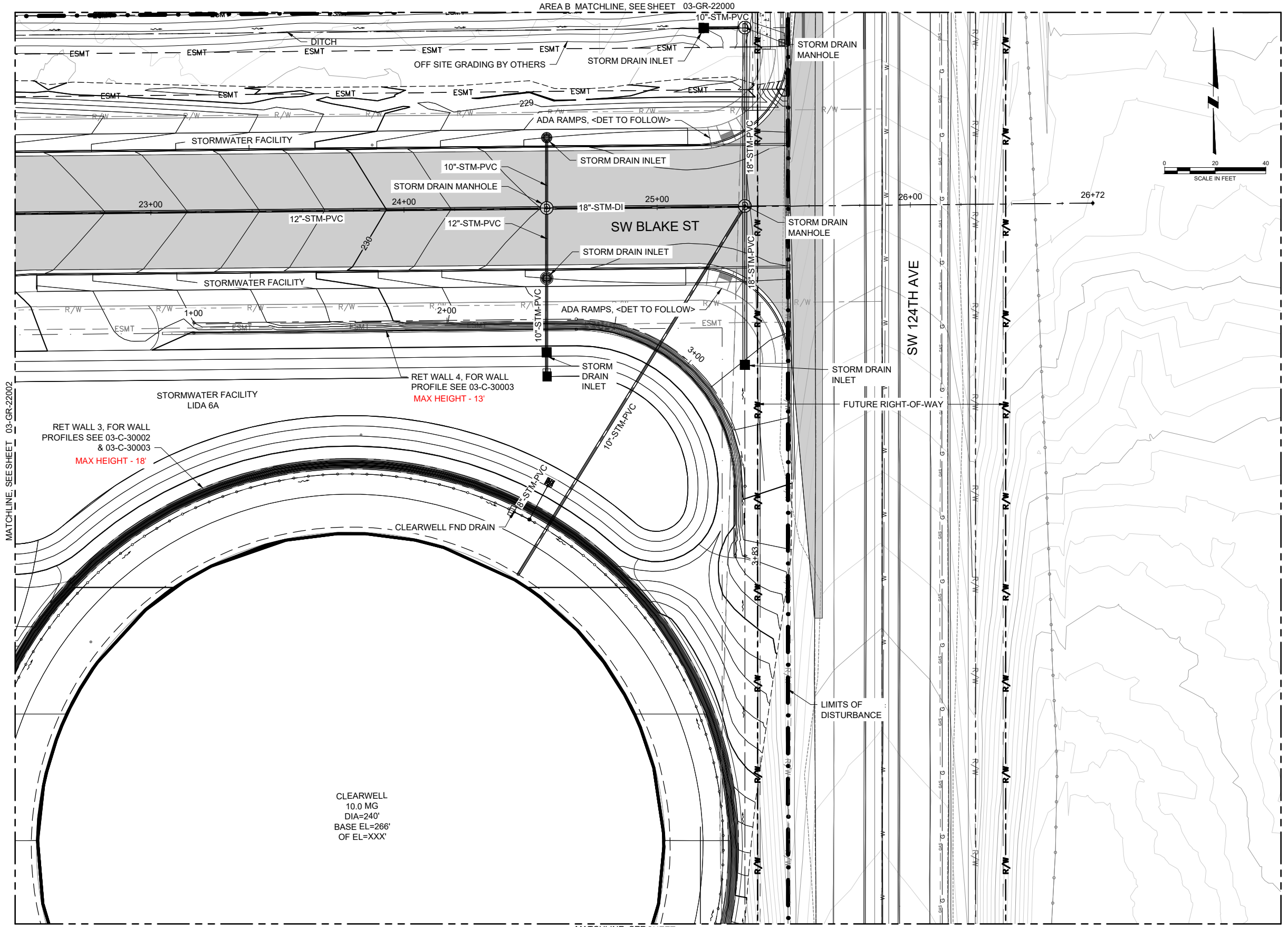
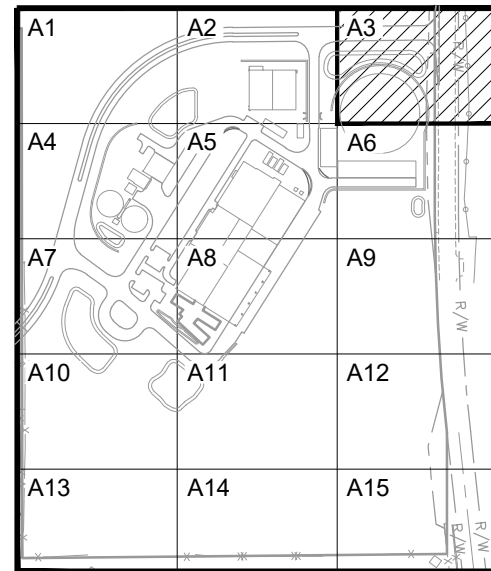
DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-03-GR-22001.dwg

LEGEND

- CUT-FILL SLOPE
- FLOW ARROW
- WATER LEVEL
- FIRE HYD
- EXISTING AND PROPOSED
- WATER METER
- WATER VALVE
- EXISTING AND PROPOSED
- SEWER MANHOLE
- STORM DRAIN MANHOLE
- UTILITY POLE
- SLOPE
- STORM DRAIN INLET, TYPE CURB
- STORM DRAIN INLET, TYPE BEEHIVE
- SEWER CLEANOUT
- TELEPHONE PEDESTAL
- MAILBOX
- RIGHT OF WAY
- PROPERTY LINE
- SECTION LINE
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT EASEMENT
- FENCE LINE
- FLOOD PLAIN LINE
- NEW PIPELINE W/ STATIONING
- DITCH

HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

KEY MAP



SHEET B-130: GRADING PLAN AREA A3

MATCHLINE, SEE SHEET 03-GR-22006

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
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 Portland, OR 97205
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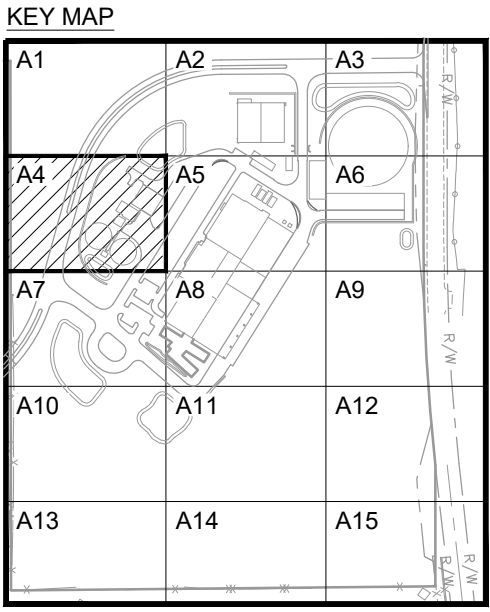
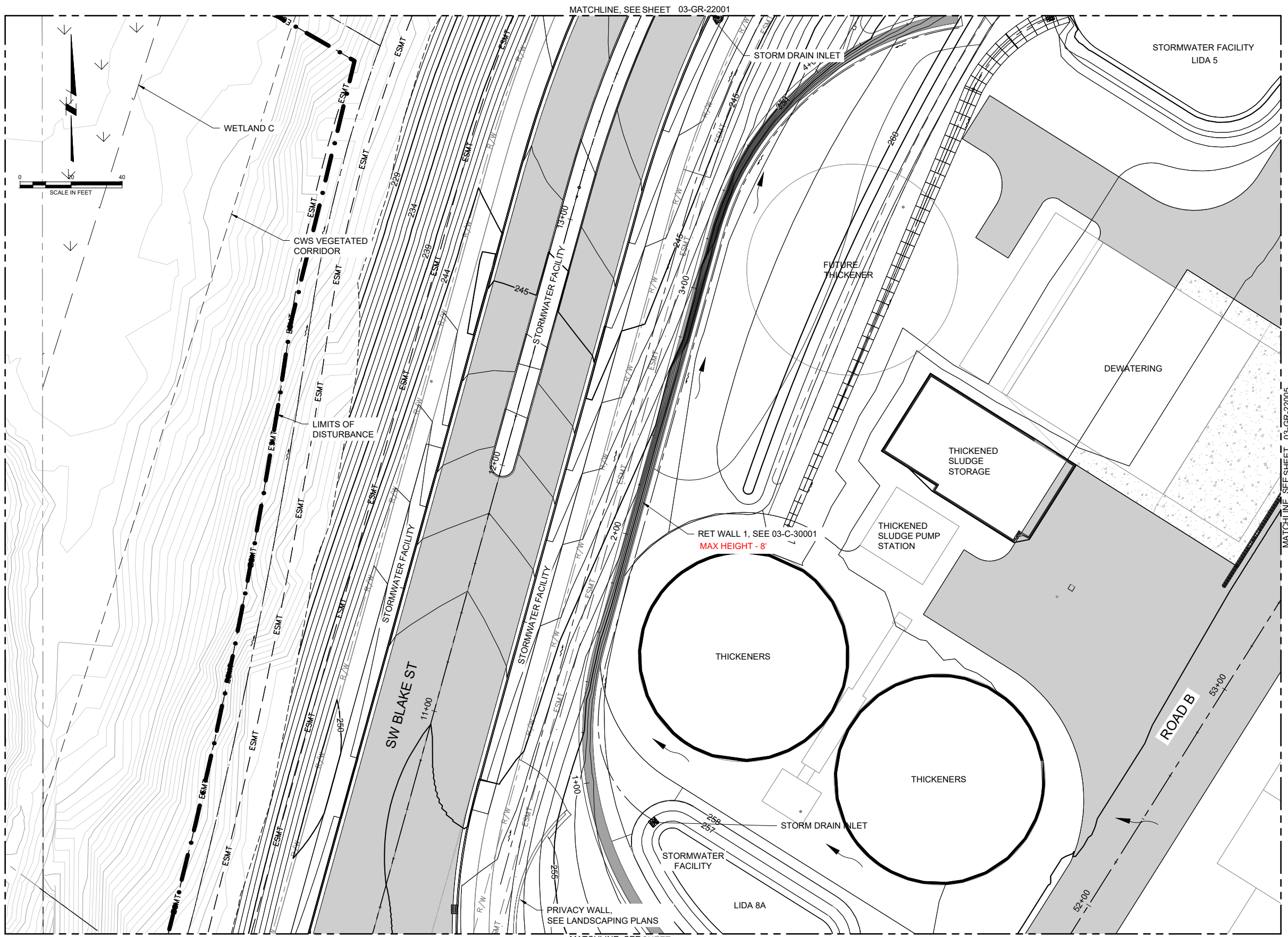
SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A3

SHEET	DWG	03-GR-22003
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/14/2020 4:27:38 PM

FOR LAND USE PERMITTING (EXHIBIT B)

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD
 - EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE
 - EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - ESMT PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH



SHEET B-131: GRADING PLAN AREA A4

DSGN	K USAGAWA					
DR	M ESTEP					
CHK	B FOSTER					
APVD	M HICKEY	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



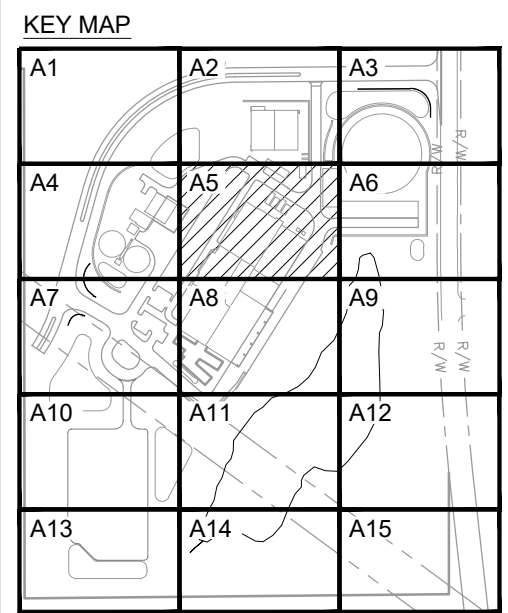
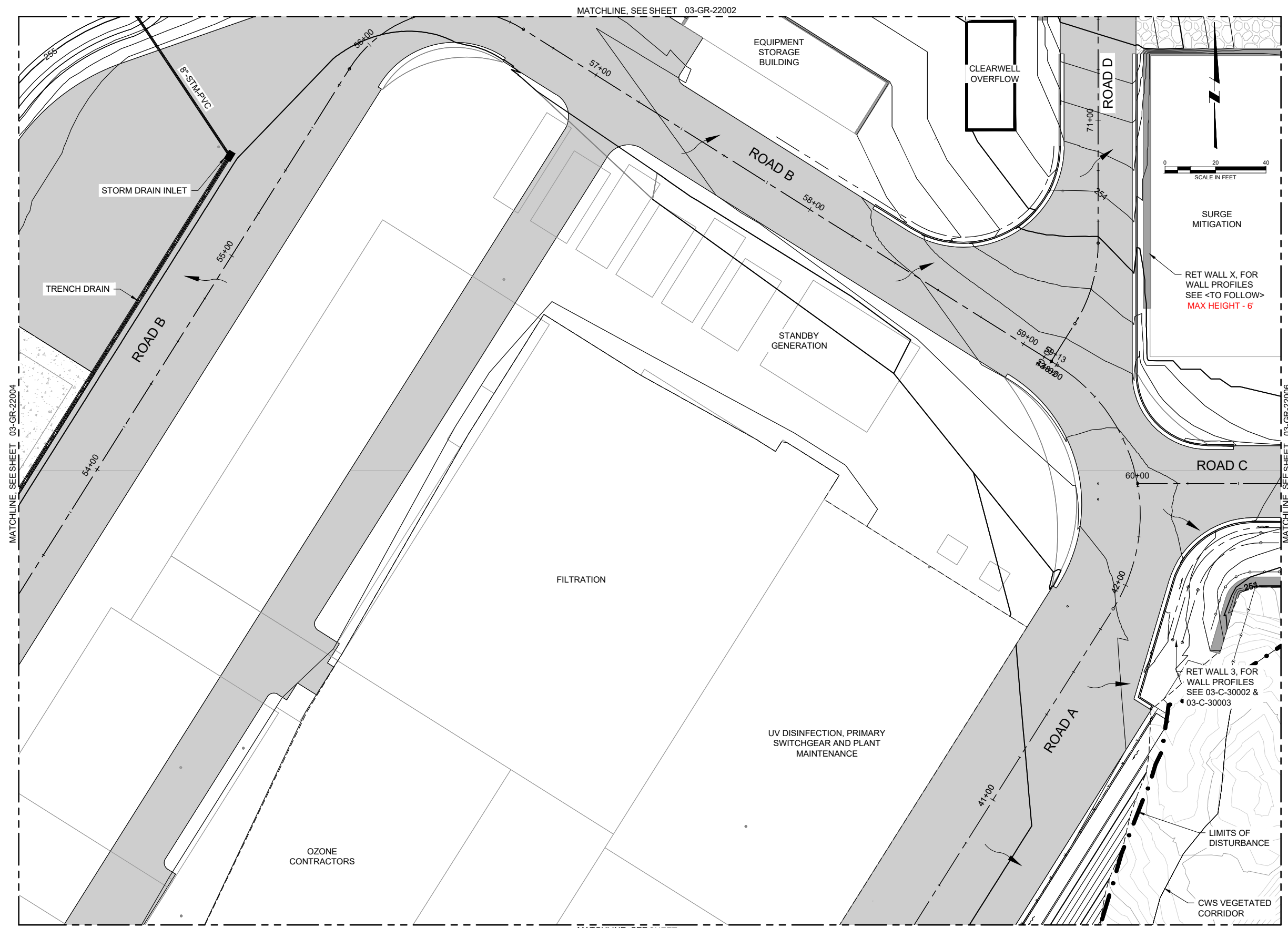
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GRADING, PAVING AND DRAINAGE PLAN AREA A4		DWG 03-GR-22004
		DATE AUG 2020
		PROJ WTP_1.0

DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-03-GR-22001.dwg
 PLOT DATE: Tuesday, December 17, 2019 11:18:42 AM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT B)

BY: KELSEY VANDEBERGH
Tuesday, December 17, 2019 11:18:57 AM
DWG FILE: C:\cdm\kelsey.vandeborgh@murraysmith.us\40274278\WTP1-03-GR-22001.dwg

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD
 - EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE
 - EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
- R/W --- RIGHT OF WAY
 --- PROPERTY LINE
 --- SECTION LINE
 --- TCE --- TEMPORARY CONSTRUCTION EASEMENT
 --- ESMT --- PERMANENT EASEMENT
 --- FENCE LINE
 --- FLOOD PLAIN LINE
 --- NEW PIPELINE W/ STATIONING
 --- DITCH



SHEET B-132: GRADING PLAN AREA A5

MATCHLINE, SEE SHEET 03-GR-22008

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



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SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A5

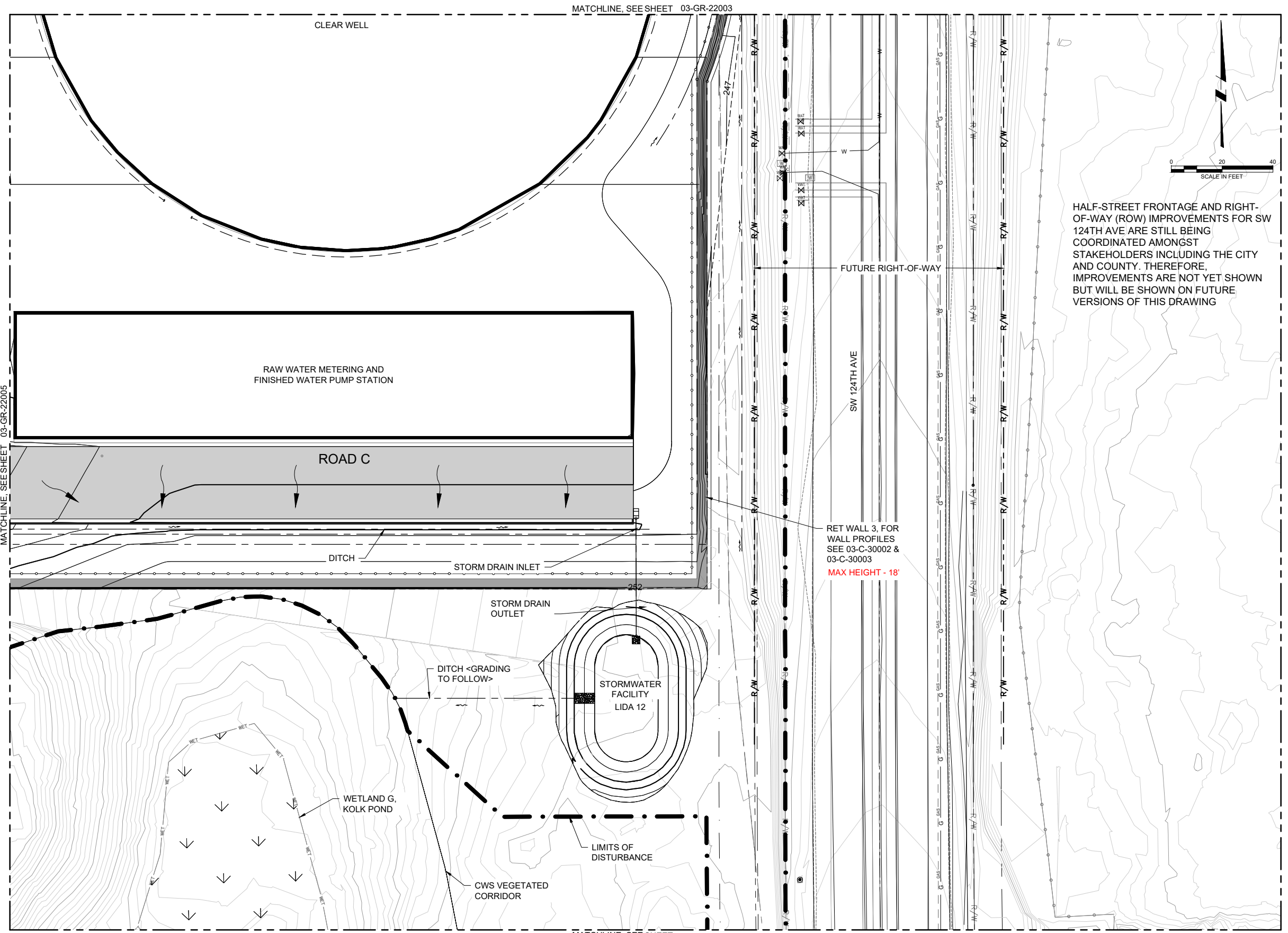
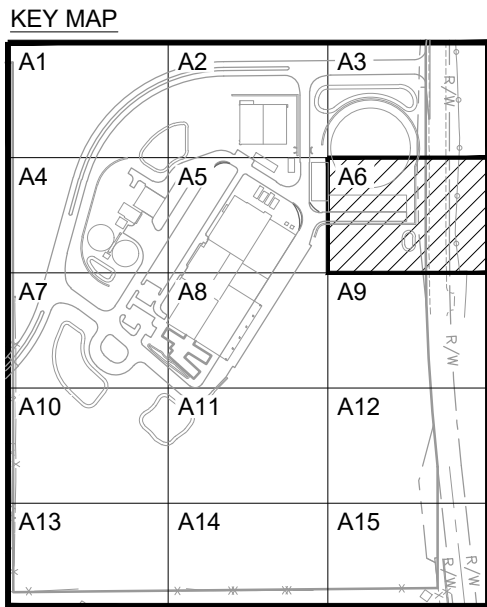
SHEET	DWG 03-GR-22005
DATE	AUG 2020
PROJ	WTP_1.0

PLOT DATE AND TIME: 8/24/2020 5:32:10 PM

FOR LAND USE PERMITTING (EXHIBIT B)

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>



HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

RET WALL 3, FOR WALL PROFILES SEE 03-C-30002 & 03-C-30003
MAX HEIGHT - 18'

SHEET B-133: GRADING PLAN AREA A6

DSGN	K USAGAWA	NO.	DATE	REVISION	BY	APVD
DR	M ESTEP					
CHK	B FOSTER					
APVD	M HICKEY					

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



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SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A6

SHEET	DWG	03-GR-22006
DATE	AUG 2020	
PROJ	WTP_1.0	

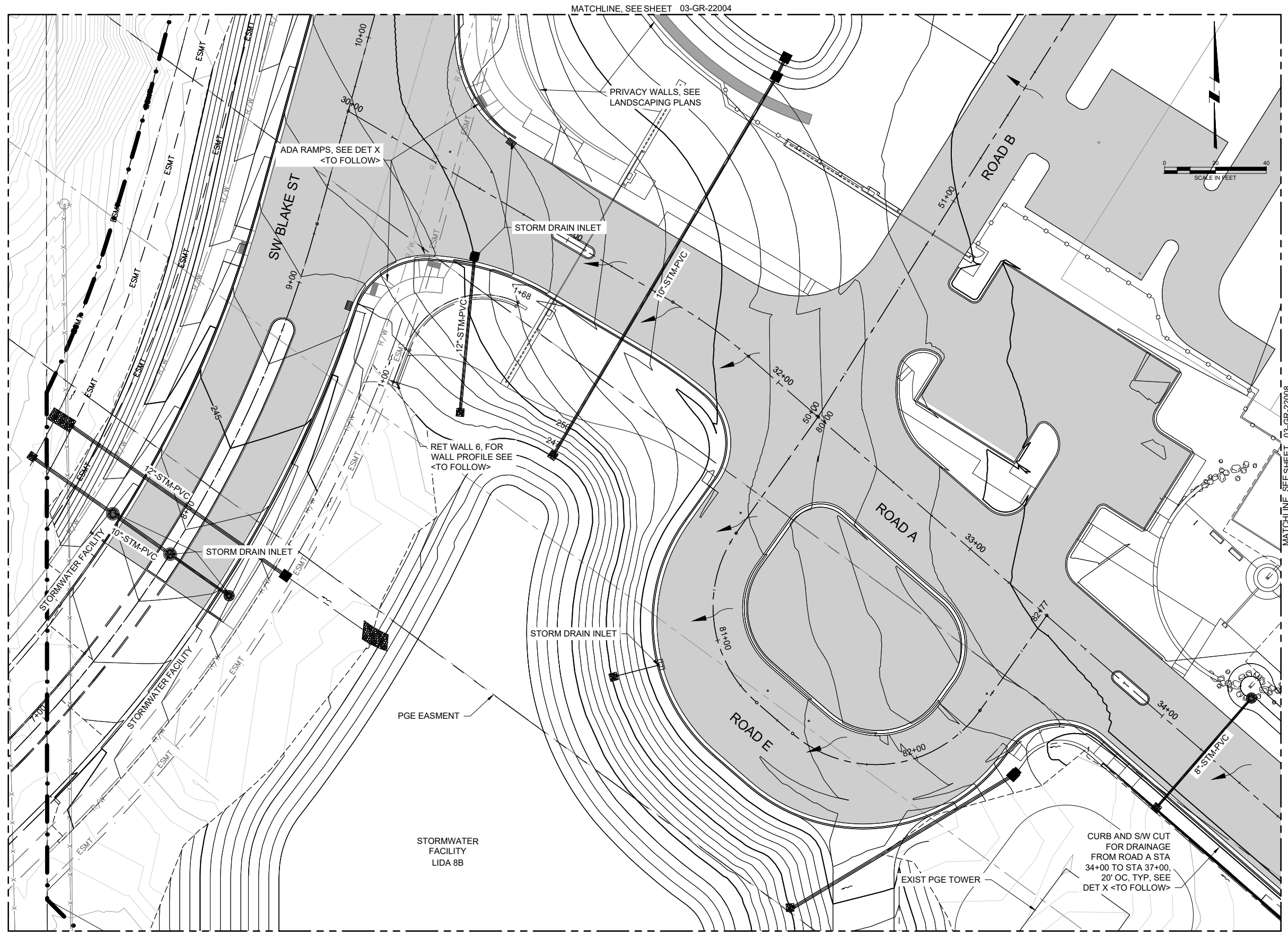
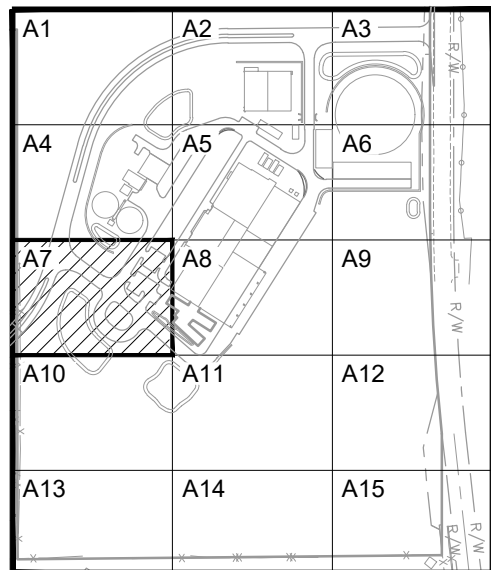
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 PLOT DATE: Tuesday, December 17, 2019 11:19:06 AM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT B)

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - ESMT PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>

KEY MAP



SHEET B-134: GRADING PLAN AREA A7

DSGN	K USAGAWA	NO.	DATE	REVISION	BY	APVD
DR	M ESTEP					
CHK	B FOSTER					
APVD	M HICKEY					

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
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SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A7

SHEET	DWG	03-GR-22007
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/14/2020 5:23:03 PM

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 PLOT DATE: Tuesday, December 17, 2019 11:18:15 AM
 BY: BEN FOSTER

MATCHLINE, SEE SHEET 03-GR-22004

MATCHLINE, SEE SHEET 03-GR-22010

MATCHLINE, SEE SHEET 03-GR-22008

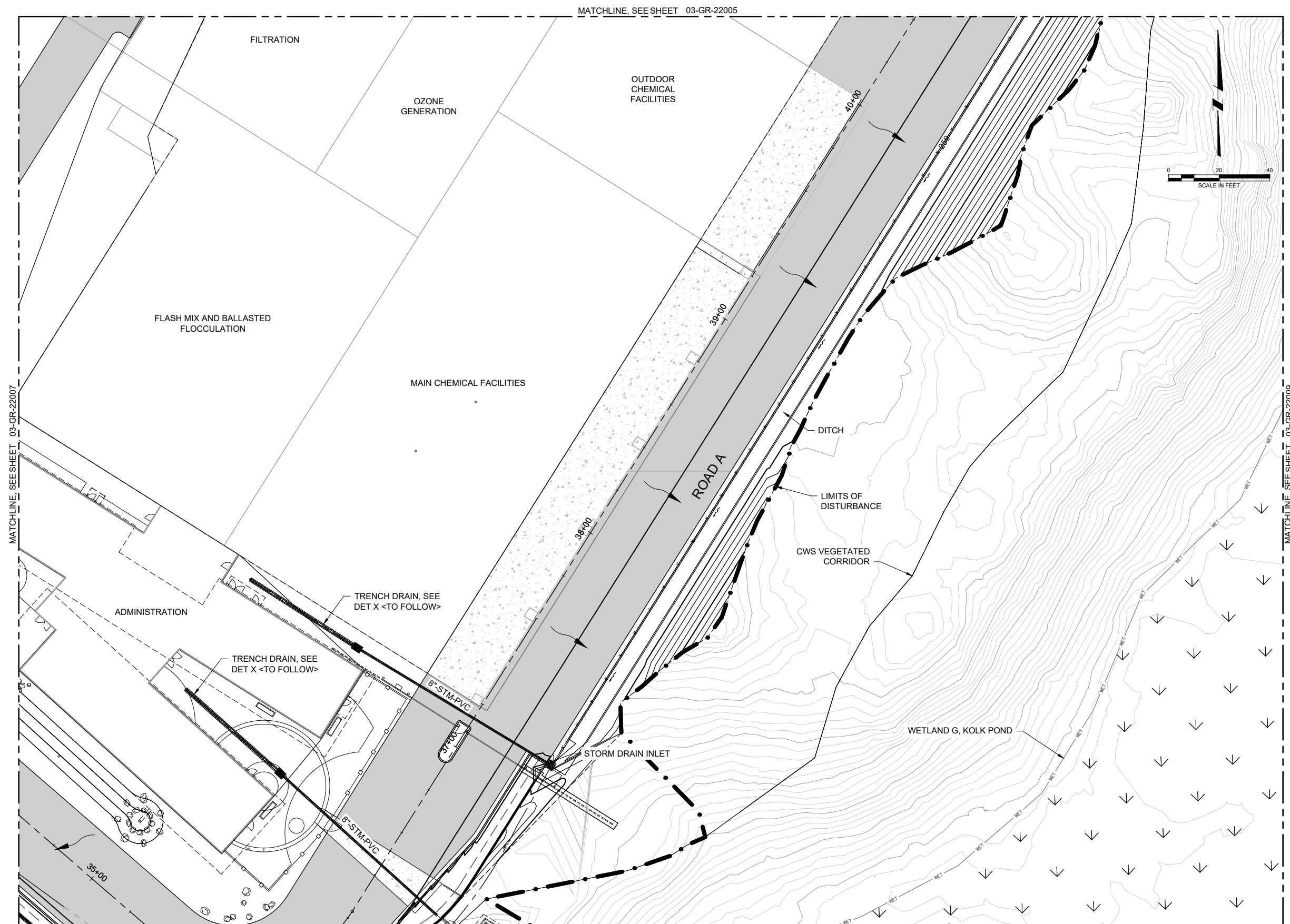
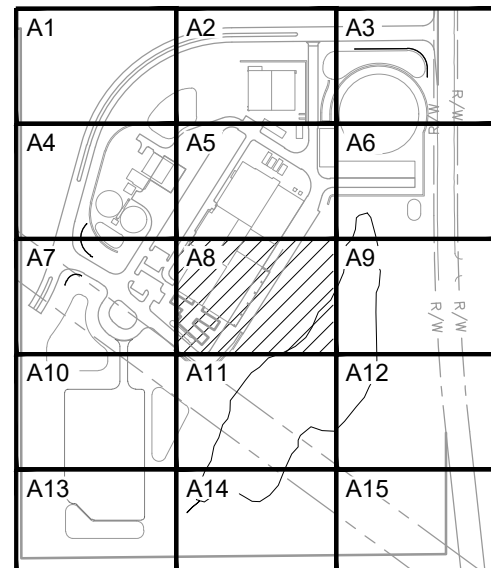
FOR LAND USE PERMITTING (EXHIBIT B)

MATCHLINE, SEE SHEET 03-GR-22005

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
- R/W --- RIGHT OF WAY
 - - - - - PROPERTY LINE
 - - - - - SECTION LINE
 --- TCE --- TEMPORARY CONSTRUCTION EASEMENT
 --- ESM --- PERMANENT EASEMENT
 - - - - - FENCE LINE
 - - - - - FLOOD PLAIN LINE
 --- OR --- NEW PIPELINE W/ STATIONING
 --- DITCH --- DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>

KEY MAP



MATCHLINE, SEE SHEET 03-GR-22011

90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-135: GRADING PLAN AREA A8

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A8

SHEET	DWG	03-GR-22008
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/24/2020 5:32:10 PM

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 BY: KELSEY VANDEBERGH
 PLOT DATE: Tuesday, December 17, 2019 11:19:24 AM

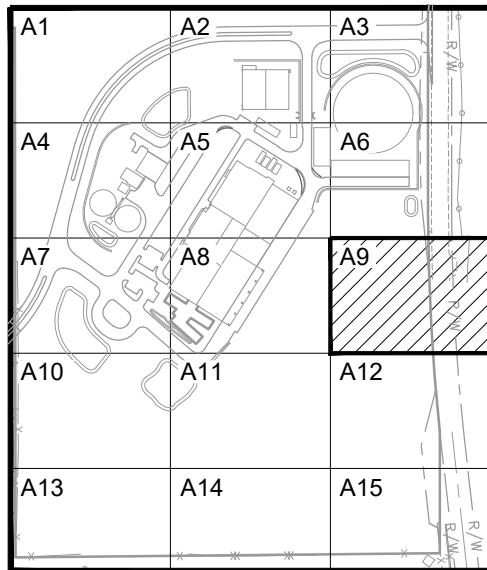
FOR LAND USE PERMITTING (EXHIBIT B)

MATCHLINE, SEE SHEET 03-GR-22006

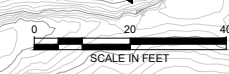
- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - ESMT PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>

KEY MAP



HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING



SHEET B-136: GRADING PLAN AREA A9

MATCHLINE, SEE SHEET 03-GR-22012

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	K USAGAWA						
DR	M ESTEP						
CHK	B FOSTER						
APVD	M HICKEY						
NO.	DATE	REVISION	BY	APVD			

VERIFY SCALE
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SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A9

SHEET	DWG 03-GR-22009
DATE	AUG 2020
PROJ	WTP_1.0

PLOT DATE AND TIME: 8/14/2020 5:17:10 PM

DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-03-GR-22001.dwg
 PLOT DATE: Tuesday, December 17, 2019 11:19:31 AM
 BY: BEN FOSTER

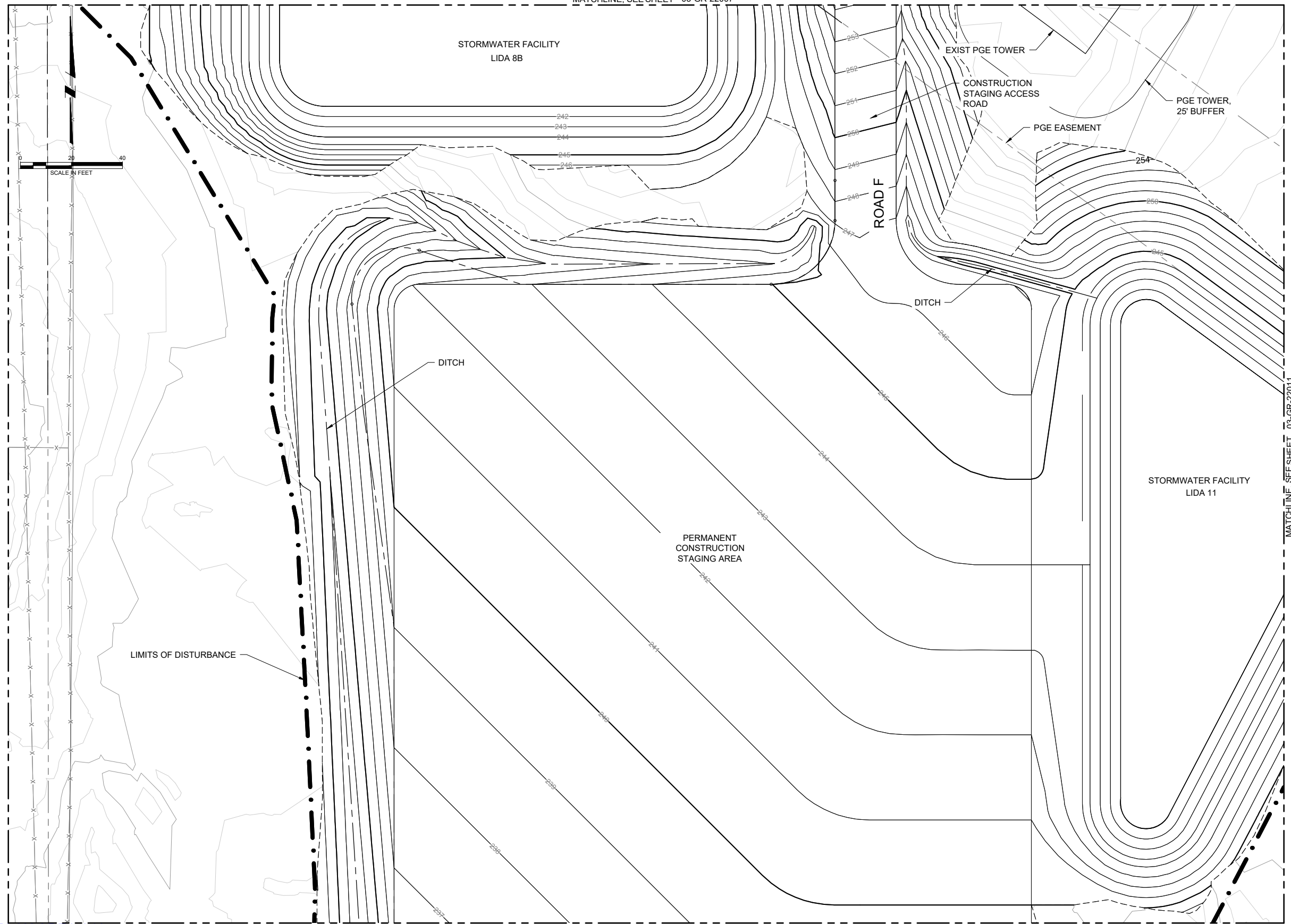
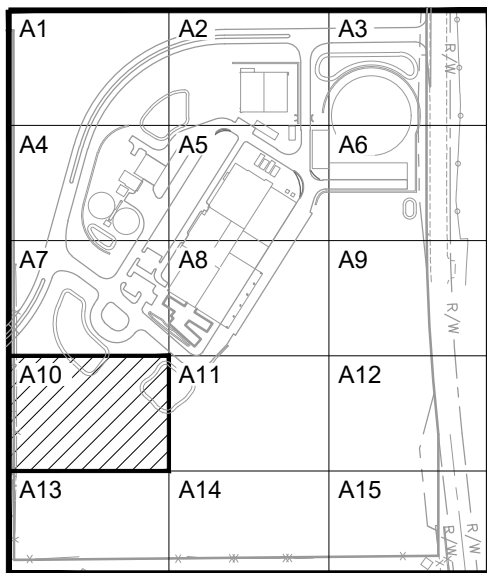
FOR LAND USE PERMITTING (EXHIBIT B)

MATCHLINE, SEE SHEET 03-GR-22007

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MAN-HOLE
 - STORM DRAIN MAN-HOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>

KEY MAP



MATCHLINE, SEE SHEET 03-GR-22013

90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-137: GRADING PLAN AREA A10

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



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SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A10

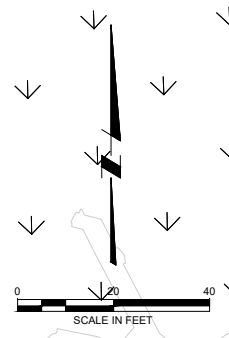
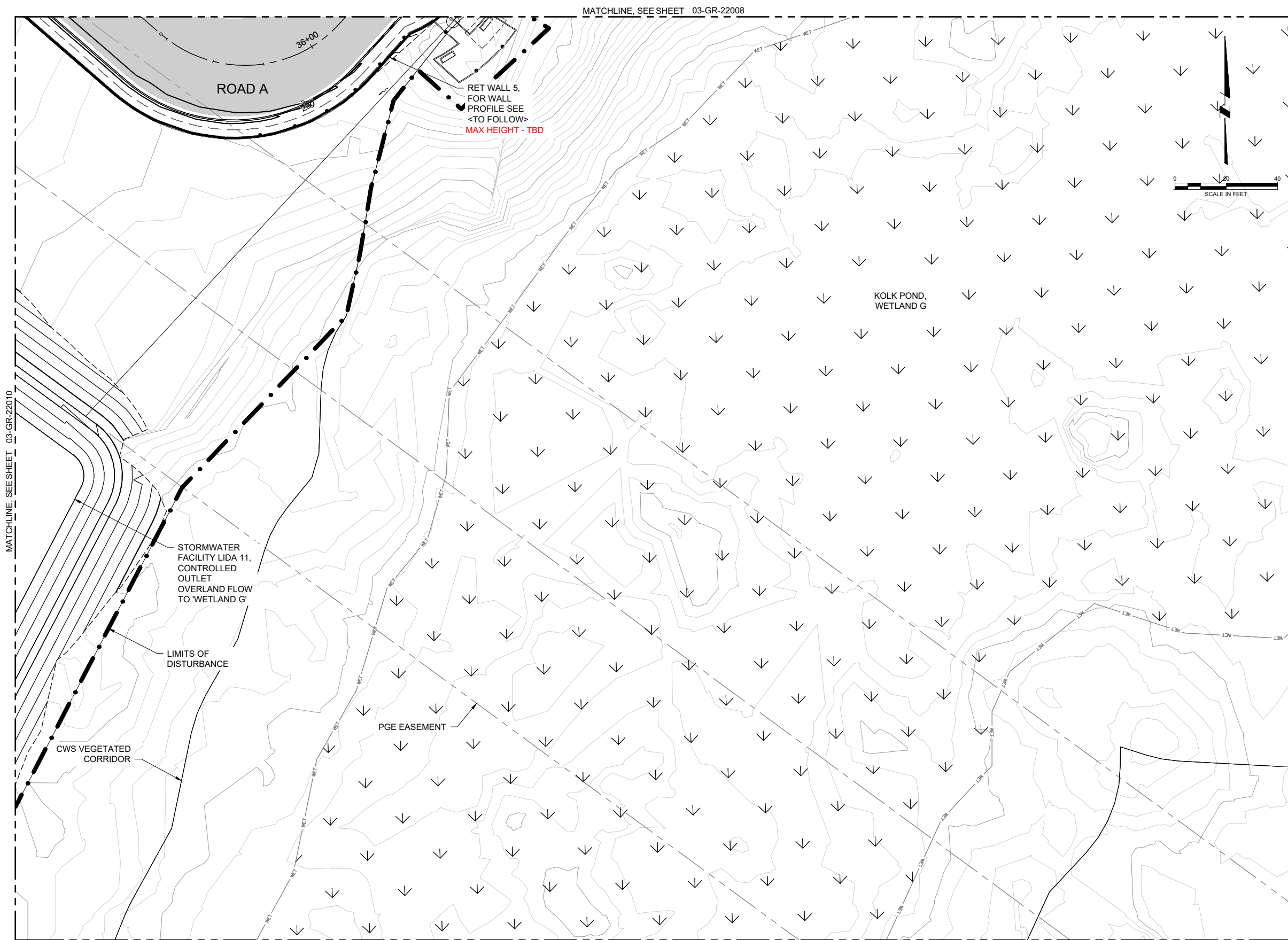
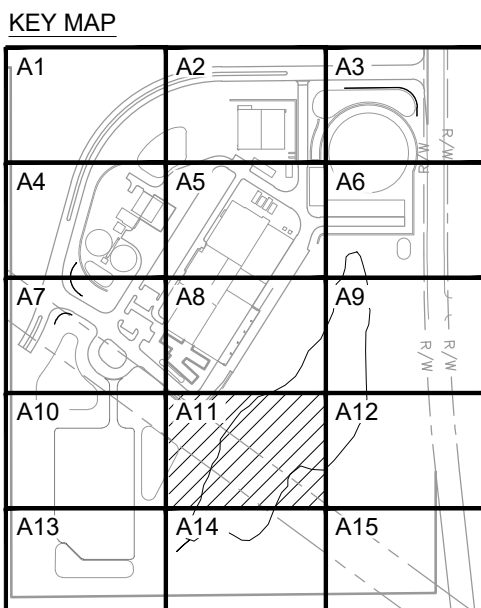
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DATE	AUG 2020	
PROJ	WTP_1.0	

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 PLOT DATE: Tuesday, December 17, 2019 11:19:39 AM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT B)

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
- R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TCE TEMPORARY CONSTRUCTION EASEMENT
 - ESMT PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH



SHEET B-138: GRADING PLAN AREA A11

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



SITE GRADING	
GRADING, PAVING AND DRAINAGE PLAN AREA A11	
SHEET	DWG 03-GR-22011
DATE	AUG 2020
PROJ	WTP_1.0

PLOT DATE AND TIME: 8/24/2020 5:32:10 PM

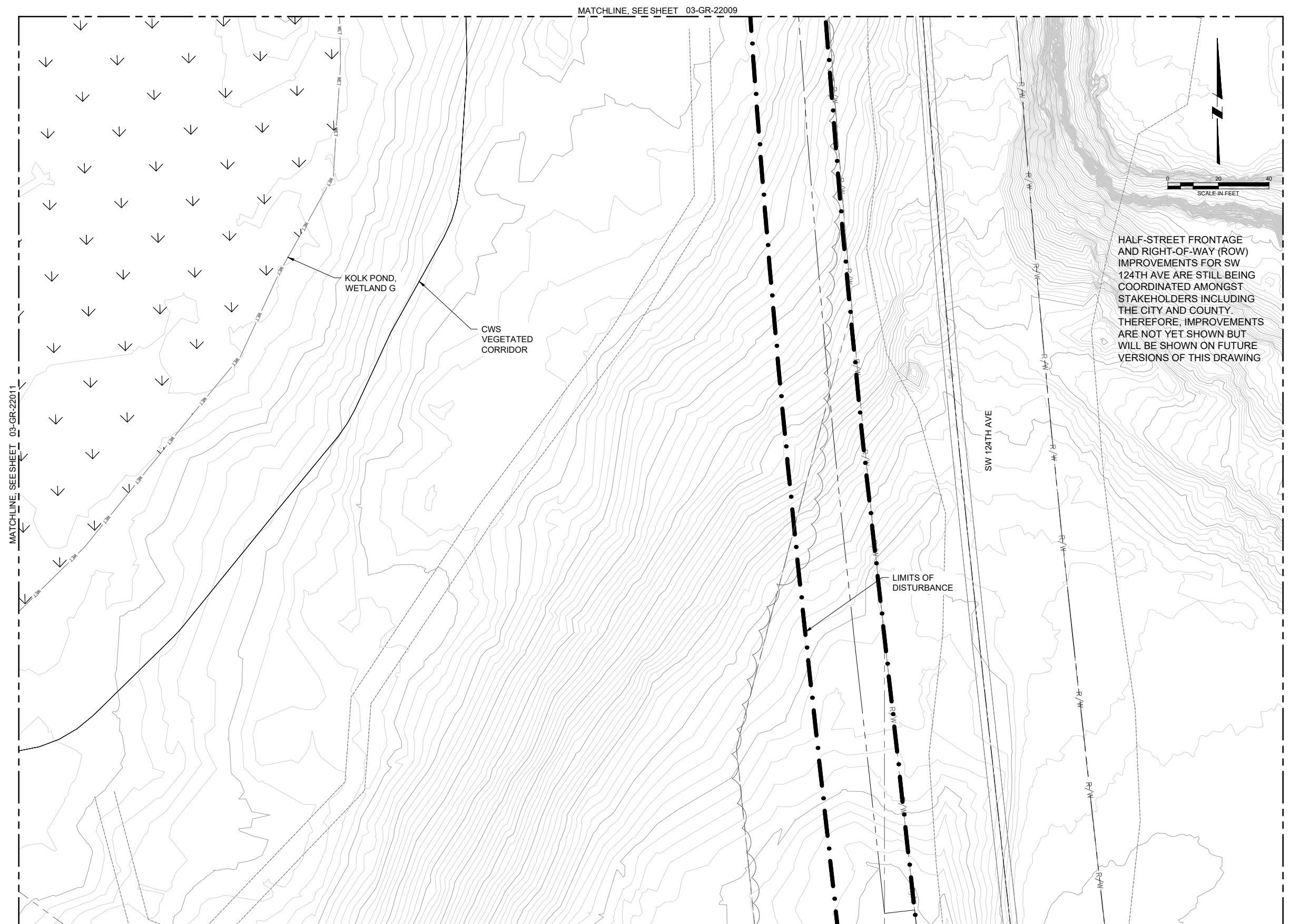
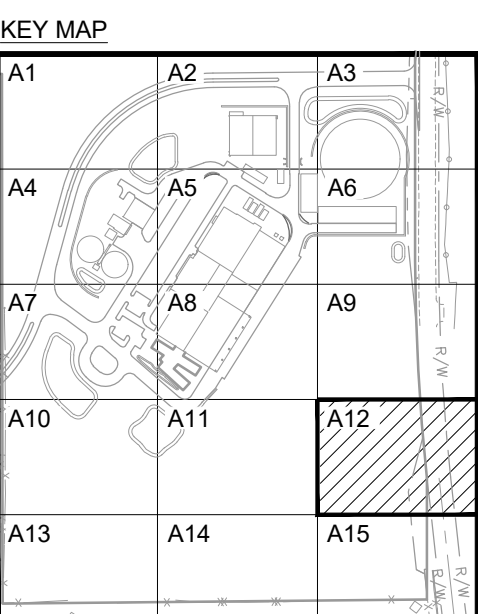
DWG FILE: C:\cdm\kelsey.vandenberg@murraysmith.us\0274278\WTP1-03-GR-22001.dwg
 PLOT DATE: Tuesday, December 17, 2019 11:19:48 AM
 BY: KELSEY VANDEBERGH

FOR LAND USE PERMITTING (EXHIBIT B)

MATCHLINE, SEE SHEET 03-GR-22009

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TCE TEMPORARY CONSTRUCTION EASEMENT
 - ESMT PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>



HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

MATCHLINE, SEE SHEET 03-GR-22015

90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-139: GRADING PLAN AREA A12

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



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SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A12

SHEET	DWG	03-GR-22012
DATE	AUG 2020	
PROJ	WTP_1.0	

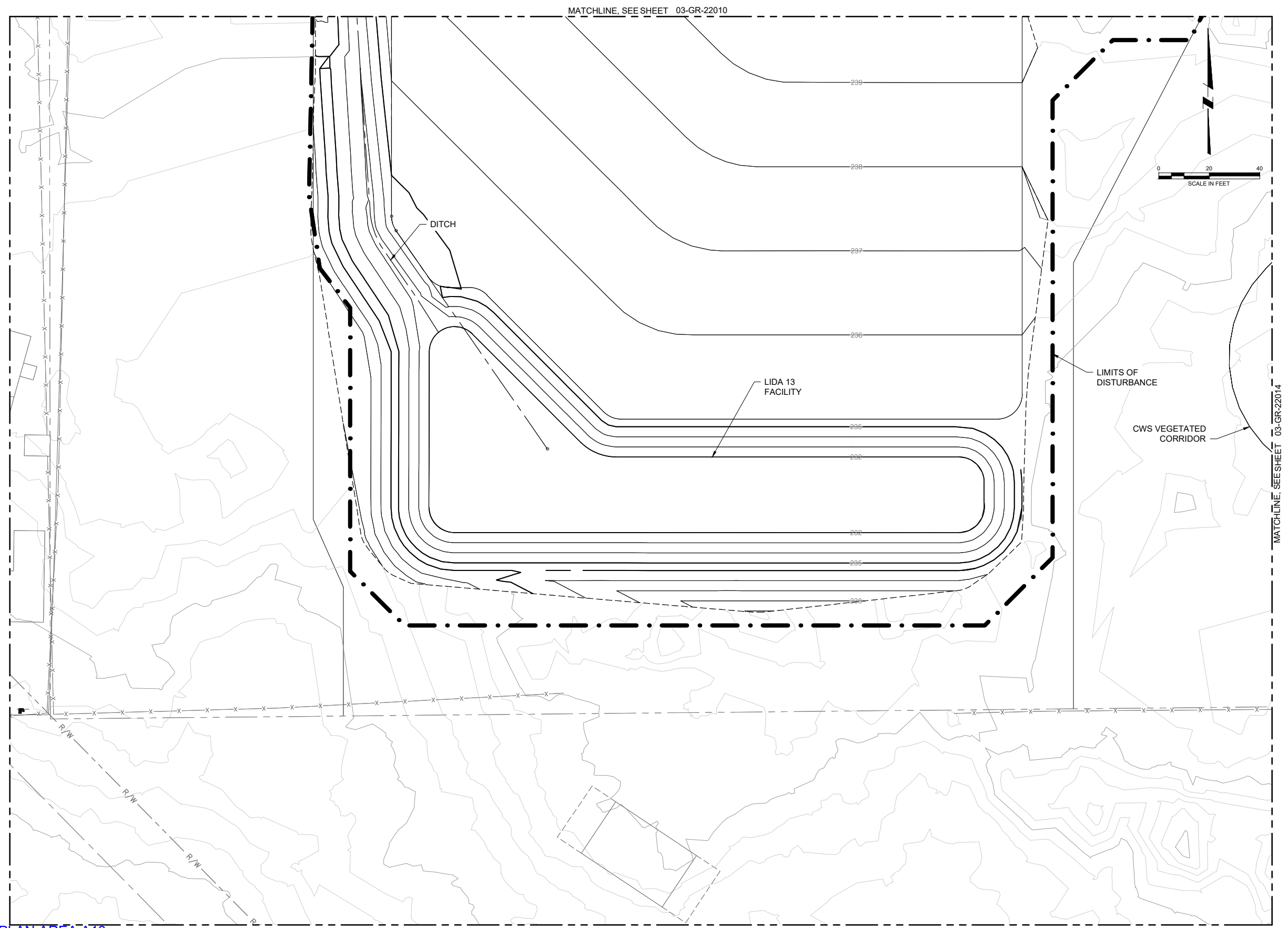
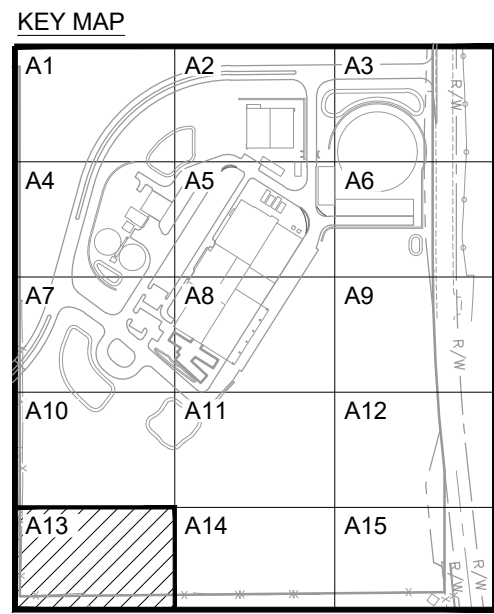
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 PLOT DATE: Tuesday, December 17, 2019 11:19:55 AM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT B)

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>



SHEET B-140: GRADING PLAN AREA A13

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
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SITE GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A13

SHEET	DWG	03-GR-22013
DATE	AUG 2020	
PROJ	WTP_1.0	

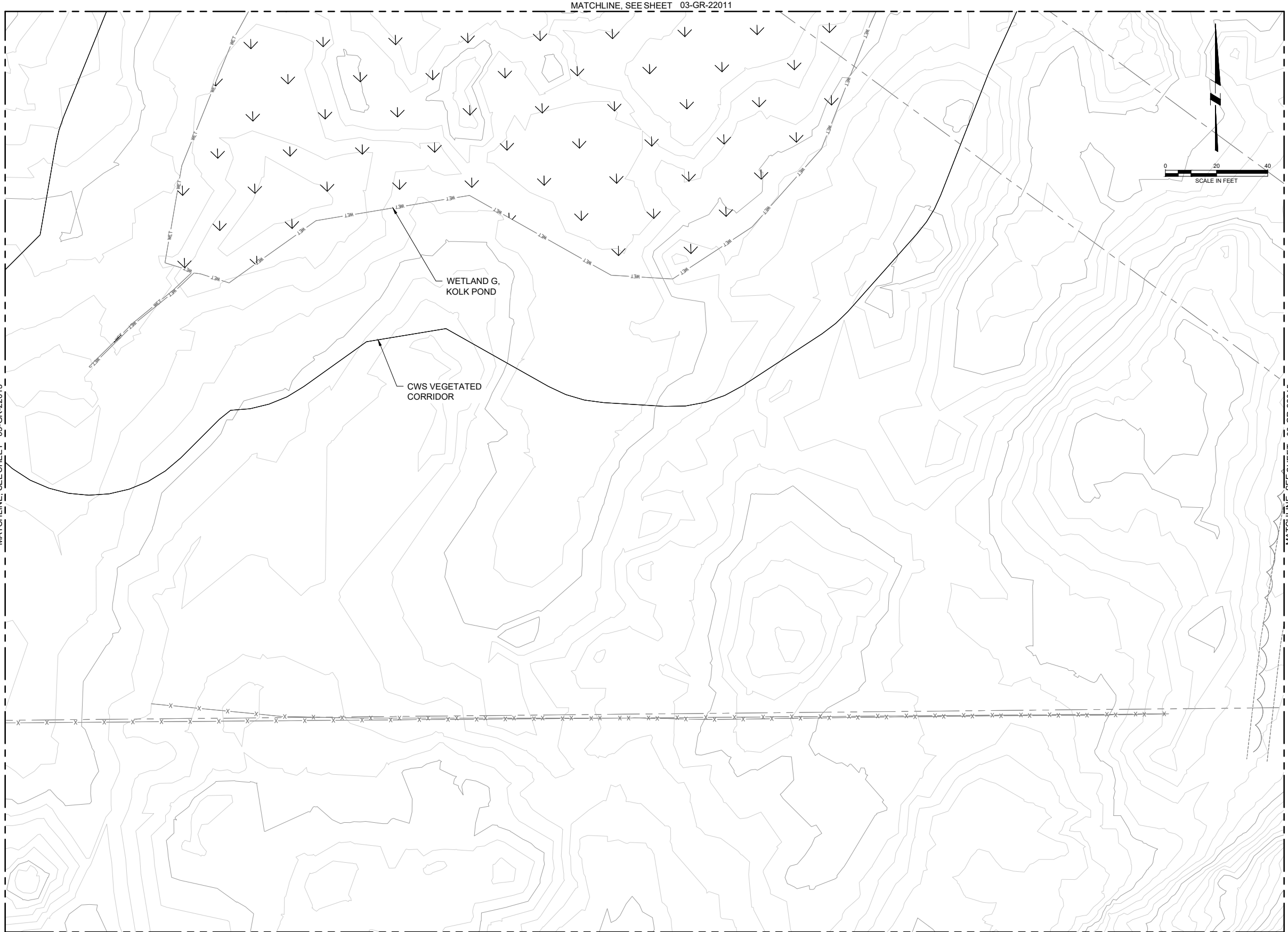
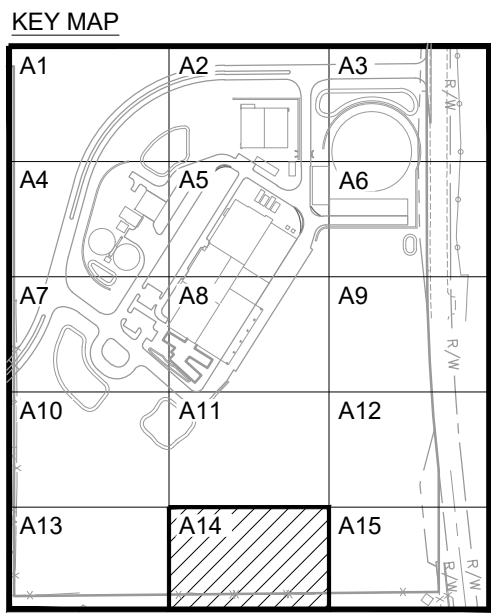
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DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-03-GR-2201.dwg
 PLOT DATE: Tuesday, December 17, 2019 11:20:01 AM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT B)

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
- R/W RIGHT OF WAY
 - PROPERTY LINE
 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - ESMT PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
KEY NOTES
 <KEY NOTES TO FOLLOW>



SHEET B-141: GRADING PLAN AREA A14

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	K USAGAWA				
DR	M ESTEP				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



Willamette Water Supply
Our Reliable Water
 WILLAMETTE WATER SUPPLY PROGRAM
 WATER TREATMENT PLANT_1.0

CDM Smith
 1220 SW Morrison Street, Suite 200
 Portland, OR 97205
 Tel: (503) 232-1800

SITE
 GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A14

SHEET	DWG	03-GR-22014
DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/14/2020 4:53:44 PM

BY: BEN FOSTER

PLOT DATE: Tuesday, December 17, 2019 11:20:07 AM

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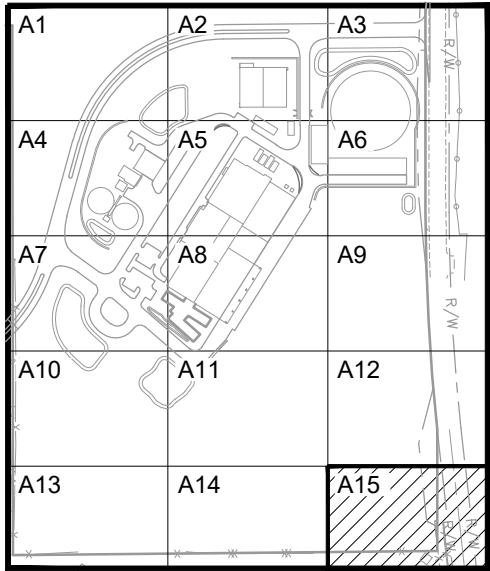
FOR LAND USE PERMITTING (EXHIBIT B)

MATCHLINE, SEE SHEET 03-GR-22012

- LEGEND**
- CUT-FILL SLOPE
 - FLOW ARROW
 - WATER LEVEL
 - FIRE HYD
 - EXISTING AND PROPOSED
 - WATER METER
 - WATER VALVE
 - EXISTING AND PROPOSED
 - SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - UTILITY POLE
 - SLOPE
 - STORM DRAIN INLET, TYPE CURB
 - STORM DRAIN INLET, TYPE BEEHIVE
 - SEWER CLEANOUT
 - TELEPHONE PEDESTAL
 - MAILBOX
 - R/W RIGHT OF WAY
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 - SECTION LINE
 - TEMPORARY CONSTRUCTION EASEMENT
 - PERMANENT EASEMENT
 - FENCE LINE
 - FLOOD PLAIN LINE
 - NEW PIPELINE W/ STATIONING
 - DITCH

NOTES:
 <NOTES TO FOLLOW>
 KEY NOTES
 <KEY NOTES TO FOLLOW>

KEY MAP



HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

SHEET B-142: GRADING PLAN AREA A15

90% DESIGN - NOT FOR CONSTRUCTION

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CHK	B FOSTER				
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 GRADING
 GRADING, PAVING AND DRAINAGE PLAN AREA A15

SHEET	DWG	03-GR-22015
DATE	AUG 2020	
PROJ	WTP_1.0	

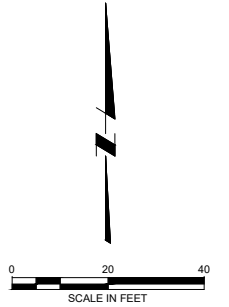
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 PLOT DATE: Tuesday, December 17, 2019 11:20:15 AM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT B)

KEY NOTES

<p>ALIGNMENT 12"-STM-PVC(2): 1 STA 1+82 N, E 1-60" SDMH-1 RIM=252+/- IE(IN) 12"(S)= IE(OUT) 12"(N)=</p> <p>2 STA 2+40 N, E 1-OUTFLOW CONTROL STRUCTURE, SEE CWS STD DET 710, SHT 90-C-5000X RIM= IE(OUT) 12"(N)= SEE TABLE ON SHT 03-C-3400X FOR POND ORIFICE AND OVERFLOW ELEVATIONS</p> <p>ALIGNMENT 12"-STM-PVC(3): 3 STA 1+00 N, E 1-3'x3'x1' CLASS 50 RIPRAP PAD AT PIPE OUTFALL, SEE NOTE 1 AND CWS STD DET 790, SHT 90-C-5000X IE(OUT)=234+/-</p> <p>4 STA 1+32 N, E 1-CB (CG-2), SEE CWS STD DET 300, SHT 90-C-5000X RIM= IE(IN) 12"(W)= IE(OUT) 12"(E)=</p> <p>5 STA 2+02 N, E 1-DITCH INLET, SEE CWS STD DET 390, SHT 90-C-5000X RIM= IE(OUT) 12"(E)=</p> <p>ALIGNMENT 16"-STM-PVC(1): 6 STA 1+00 N, E 1-60" SDMH-2, SEE CWS STD DET 10, SHT 90-C-5000X RIM= IE(IN) 16"(W)= IE(IN) 8"(SW)= IE(IN) 12"(S)= IE(OUT) 20"(N)=</p> <p>7 STA 1+78 N, E 1-60" SDMH-3, SEE CWS STD DET 10, SHT 90-C-5000X RIM= IE(IN) 16"(W)= IE(IN) 12"(S)= IE(IN) 12"(N)= IE(OUT) 16"(E)=</p> <p>8 STA 4+98 N, E 1-60" SDMH-4, SEE CWS STD DET 10, SHT 90-C-5000X RIM= IE(IN) 12"(W)= IE(IN) 12"(SW)= IE(OUT) 16"(E)=</p>	<p>ALIGNMENT 12"-STM-PVC(6): 9 STA 1+00 N, E 1-BEEHIVE INLET, SEE CWS STD DET 405, SHT 90-C-5000X RIM= IE(OUT) 12"(S)=</p> <p>10 STA 1+56 N, E 1-BEEHIVE INLET (DOUBLES AS SDMH?), SEE CWS STD DET 405, SHT 90-C-5000X RIM= IE(IN) 12"(S)= IE(OUT) 12"(N)=</p> <p>11 STA 2+40 N, E 1-OUTFLOW CONTROL STRUCTURE, SEE CWS STD DET 710, SHT 90-C-5000X RIM= IE(OUT) 12"(N)= SEE TABLE ON SHT 03-C-3400X FOR POND ORIFICE AND OVERFLOW ELEVATIONS</p> <p>ALIGNMENT 12"-STM-PVC(4): 12 STA 1+34 N, E 1-BEEHIVE INLET, SEE CWS STD DET 405, SHT 90-C-5000X RIM= IE(OUT) 12"(NE)=</p> <p>ALIGNMENT 12"-STM-PVC(5): 13 STA 1+34 N, E 1-BEEHIVE INLET, SEE CWS STD DET 405, SHT 90-C-5000X RIM= IE(OUT) 12"(E)=</p> <p>ALIGNMENT 20"-STM-PVC(1): 14 STA 1+00 N, E 1-3'x3'x1' CLASS 50 RIPRAP PAD AT PIPE OUTFALL, SEE NOTE 1 AND CWS STD DET 790, SHT 90-C-5000X IE(OUT)=</p> <p>15 STA 1+19 N, E 1-60" SDMH-5, SEE CWS STD DET 10, SHT 90-C-5000X RIM= IE(IN) 20"(S)= IE(IN) 12"(W)= IE(OUT) 20"(N)=</p> <p>ALIGNMENT 212"-STM-PVC(7): 16 STA 1+64 N, E 1-DITCH INLET, SEE CWS STD DET 390, SHT 90-C-5000X RIM= IE(OUT) 12"(N)=</p>	<p>ALIGNMENT 12"-STM-PVC(15): 17 STA 1+17 N, E 1-DITCH INLET, SEE CWS STD DET 390, SHT 90-C-5000X RIM= IE(OUT) 12"(E)=</p> <p>ALIGNMENTS 18"-STM-PVC(1) & 18"-STM-PVC(2): 18 STA 1+00 N, E HEADWALL AND WINGWALLS AT CULVERT OUTFALLS, SEE SHT XX-X-XXXXX</p> <p>19 STA 1+45 N, E HEADWALL AND WINGWALLS AT CULVERT ENTRANCES, SEE SHT XX-X-XXXXX</p> <p>ALIGNMENT 8"-STM-PVC(2): 20 STA 1+70 N, E 1-60" SDMH-6 RIM= IE(IN) 8"(SW)= IE(OUT) 8"(NE)=</p> <p>21 STA 2+70 N, E 1-8" HDPE TEE 2-8"x6" HDPE RDCR IE=</p> <p>22 CLEAR WELL FDN DRAIN N, E APPROX 800 LF OF 6" HDPE PERF FRENCH DRAIN AROUND PERIMETER OF CLEAR WELL FDN, SEE DET XX, SHT XX-XX-XXXXX HIGH PT IE= SLP=1.0% MIN EACH SIDE TO 8" HDPE TEE CAP AT HIGH PT</p> <p>ALIGNMENT 8"-STM-PVC(3): 23 STA 1+00 N, E 1-3'x3'x1' CLASS 50 RIPRAP PAD AT PIPE OUTFALL, SEE NOTE 1 AND CWS STD DET 790, SHT 90-C-5000X IE(OUT)=</p> <p>24 STA 1+70 N, E APPROX 200 LF OF TRENCH DRAIN, SEE DET XX, SHT XX-XX-XXXXX HIGH PT IE= LOW PT IE=</p>	<p>ALIGNMENT 8"-STM-PVC(5): 25 STA 1+00 N, E 1-3'x3'x1' CLASS 50 RIPRAP PAD AT PIPE OUTFALL, SEE NOTE 1 AND CWS STD DET 790, SHT 90-C-5000X IE(OUT)=</p> <p>26 STA 1+58 N, E 1-BEEHIVE INLET, SEE CWS STD DET 405, SHT 90-C-5000X RIM= IE(OUT) 12"(S)=</p> <p>ALIGNMENT 12"-STM-PVC(11): 27 STA 1+00 N, E 1-10'x5'x1' CLASS 50 RIPRAP PAD AT PIPE OUTFALL, SEE NOTE 1 AND CWS STD DET 790, SHT 90-C-5000X IE(OUT)=</p> <p>28 STA 2+10 N, E 1-DITCH INLET, SEE CWS STD DET 390, SHT 90-C-5000X RIM= IE(OUT) 12"(W)= ALIGNMENT 8"-STM-PVC(6): 29 STA 1+00 N, E 1-3'x3'x1' CLASS 50 RIPRAP PAD AT PIPE OUTFALL, SEE NOTE 1 AND CWS STD DET 790, SHT 90-C-5000X IE(OUT)=</p> <p>30 STA 1+XX N, E APPROX 200 LF OF TRENCH DRAIN, SEE DET XX, SHT XX-XX-XXXXX HIGH PT IE= LOW PT IE=</p> <p>ALIGNMENT 8"-STM-PVC(7): 31 STA 1+00 N, E 1-3'x3'x1' CLASS 50 RIPRAP PAD AT PIPE OUTFALL, SEE NOTE 1 AND CWS STD DET 790, SHT 90-C-5000X IE(OUT)=</p> <p>32 STA 1+XX N, E APPROX 200 LF OF TRENCH DRAIN, SEE DET XX, SHT XX-XX-XXXXX HIGH PT IE= LOW PT IE=</p> <p>ALIGNMENT 12"-STM-PVC(8):</p>
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SHEET B-143: GRADING POINT TABLES

DSGN	K USAGAWA				
DR	N MCFADDIN				
CHK	B FOSTER				
APVD	M HICKEY	NO.	DATE	REVISION	BY

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SITE GRADING		SHEET
GRADING, PAVING AND DRAINAGE POINT TABLE 1		DWG 03-GR-22016
		DATE AUG 2020
		PROJ WTP_1.0

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