

Exhibit A: Plan Set
(Under Separate Cover)

WTP_1.0 - Land Use Application Exhibit B - Index of Drawings

Discipline/Description	Quantity	Size	Construction Set Drawing No.	Technical Appendix Drawing/Figure Name	Technical Appendix Exhibit B Sheet No.	Included in Exhibit A
Visualizations - Public Streets	4	11 x 17				
			N/A	View from SW 124th Ave, Facing North	B-1	x
			N/A	View from SW 124th Ave, Facing Southwest	B-2	x
			N/A	View from SW Blake St, Facing South	B-3	x
			N/A	View from SW Blake St at Main Entry, Facing Northeast	B-4	x
Visualizations - Public Amenities	3	11 x 17				
			N/A	Admin Building Courtyards and Forest Platform	B-5	x
			N/A	Admin Building Entry Courtyard, View Facing East	B-6	x
			N/A	Forest Platform - Section/Elevation, View Facing North	B-7	x
Annotated Materials Perspectives	2	11 x 17				
			N/A	Admin Building Materials	B-8	x
			N/A	Typical Process Building Materials	B-9	x
Building Views & Design Criteria	5	8.5 x 11				
			N/A	Admin Building Looking Northeast	B-10	x
			N/A	Dewatering Building Looking Southeast	B-11	x
			N/A	EQ/Overflow & Recycle Pump Station Looking Southwest	B-12	x
			N/A	Finished Water Pump Station Looking Southwest	B-13	x
			N/A	Building Design Criteria Summary	B-14	x
General	5	11 x 17				
			N/A	Limits of Disturbance	B-15	x
			01-G-02003	Overall Key Plan	B-16	x
			03-C-22002	Overall Site Plan	B-17	x
			01-G-02005	Facilities Key Plan	B-18	x
			02-C-20001	Construction Staging & Storage Areas	B-19	x
General - Tree Removal & Protection	4	11 x 17				
			03-C-22004	Tree Removal Plan	B-20	x
			03-L-03001	Tree Protection Overall Plan & Legend	B-21	x
			03-L-03002	Tree Protection Plan - North	B-22	x
			03-L-03003	Tree Protection Plan - South	B-23	x
Civil - Existing Conditions	4	11 x 17				
			03-C-22003	Existing Conditions Area A (WTP_1.0 Site)	B-24	x
			04-C-22001	Existing Conditions Area B (Off-Site)	B-25	x
			N/A	Existing Conditions Area A (WTP_1.0 Site Aerial)	B-26	x
			N/A	Existing Conditions Area B (Off-Site Aerial)	B-27	x
Civil - Transportation/Site Circulation	2	11 x 17				
			N/A	Transportation Circulation Plan 1	B-28	x
			N/A	Transportation Circulation Plan 2	B-29	x
Landscape Architectural - Planting	16	11 x 17				
			03-L-22001	Planting Overall Plan	B-30	x
			03-L-22002	Planting Plan Area A1	B-31	x
			03-L-22003	Planting Plan Area A2	B-32	x
			03-L-22004	Planting Plan Area A3	B-33	x
			03-L-22005	Planting Plan Area A4	B-34	x
			03-L-22006	Planting Plan Area A5	B-35	
			03-L-22007	Planting Plan Area A6	B-36	x
			03-L-22008	Planting Plan Area A7	B-37	x
			03-L-22009	Planting Plan Area A8	B-38	
			03-L-22010	Planting Plan Area A10	B-39	

WTP_1.0 - Land Use Application Exhibit B - Index of Drawings

Discipline/Description	Quantity	Size	Construction Set Drawing No.	Technical Appendix Drawing/Figure Name	Technical Appendix Exhibit B Sheet No.	Included in Exhibit A
			03-L-22011	Planting Plan Area A11	B-40	
			03-L-22012	Planting Plan Area A13	B-41	
			03-L-22013	Planting Legend and Notes 1	B-42	x
			03-L-22014	Planting Legend and Notes 2	B-43	x
			03-L-51003	Planting Details 1	B-44	x
			03-L-51004	Planting Details 2	B-45	x
Landscape Architectural - Hardscape & Materials	14	11 x 17				
			03-L-20001	Hardscape Overall Plan	B-46	x
			03-L-20002	Hardscape Area A1	B-47	
			03-L-20003	Hardscape Area A2	B-48	x
			03-L-20004	Hardscape Area A3	B-49	
			03-L-20005	Hardscape Area A4	B-50	
			03-L-20006	Hardscape Area A5	B-51	
			03-L-20007	Hardscape Area A6	B-52	
			03-L-20008	Hardscape Area A7	B-53	x
			03-L-20009	Hardscape Area A8	B-54	x
			03-L-20010	Hardscape Area A10	B-55	
			03-L-20011	Hardscape Area A11	B-56	
			03-L-20201	Hardscape Enlargement - Admin Entry Courtyard	B-57	x
			03-L-20202	Hardscape Enlargement - Admin Back Courtyard	B-58	x
			03-L-20301	Hardscape Enlargement - Forest Platform	B-59	x
Landscape Architectural - Irrigation	13	11 x 17				
			03-L-28001	Irrigation Overall Plan	B-60	x
			03-L-28002	Irrigation Plan Area A1	B-61	
			03-L-28003	Irrigation Plan Area A2	B-62	
			03-L-28004	Irrigation Plan Area A3	B-63	
			03-L-28005	Irrigation Plan Area A4	B-64	
			03-L-28006	Irrigation Plan Area A5	B-65	
			03-L-28007	Irrigation Plan Area A6	B-66	
			03-L-28008	Irrigation Plan Area A7	B-67	
			03-L-28009	Irrigation Plan Area A8	B-68	
			03-L-28010	Irrigation Plan Area A10	B-69	
			03-L-28011	Irrigation Plan Area A11	B-70	
			03-L-51001	Irrigation Details 1	B-71	x
			03-L-51002	Irrigation Details 2	B-72	x
Landscape Architectural - Site Details	6	11 x 17				
			90-L-50001	Landscape Architectural Site Details 1	B-73	x
			90-L-50002	Landscape Architectural Site Details 2	B-74	x
			90-L-50003	Landscape Architectural Site Details 3	B-75	x
			90-L-50004	Landscape Architectural Site Details 4	B-76	x
			90-L-50005	Landscape Architectural Site Details 5	B-77	x
			90-L-50006	Landscape Architectural Site Details 6	B-78	x
Architectural - Building Elevations	19	11 x 17				
			08-A-30001	Building Elevation 1	B-79	x
			08-A-30002	Building Elevation 2	B-80	x
			12-A-30001	Building Elevation 3	B-81	
			22-A-30001	Building Elevation 4	B-82	

WTP_1.0 - Land Use Application Exhibit B - Index of Drawings

Discipline/Description	Quantity	Size	Construction Set Drawing No.	Technical Appendix Drawing/Figure Name	Technical Appendix Exhibit B Sheet No.	Included in Exhibit A
			26-A-30001	Building Elevation 5	B-83	
			28-A-30001	Building Elevation 6	B-84	
			28-A-30002	Building Elevation 7	B-85	
			30-A-30001	Building Elevation 8	B-86	
			30-A-30002	Building Elevation 9	B-87	
			33-A-30001	Building Elevation 10	B-88	
			34-A-30001	Building Elevation 11	B-89	
			34-A-30002	Building Elevation 12	B-90	
			37-A-30001	Building Elevation 13	B-91	x
			50-A-30001	Building Elevation 14	B-92	x
			50-A-30002	Building Elevation 15	B-93	x
			51-A-30001	Building Elevation 16	B-94	
			52-A-30001	Building Elevation 17	B-95	
			53-A-30001	Building Elevation 18	B-96	x
			53-A-30002	Building Elevation 19	B-97	x
Electrical - Photometric Site Plans	9	11 x 17				
			03-E-23001	Photometrics Site Plan	B-98	x
			03-E-23002	Photometrics Site Plan Area A1	B-99	
			03-E-23003	Photometrics Site Plan Area A2	B-100	
			03-E-23004	Photometrics Site Plan Area A3	B-101	
			03-E-23005	Photometrics Site Plan Area A4	B-102	
			03-E-23006	Photometrics Site Plan Area A5	B-103	
			03-E-23007	Photometrics Site Plan Area A6	B-104	
			03-E-23008	Photometrics Site Plan Area A7	B-105	
			03-E-23009	Photometrics Site Plan Area A8	B-106	
Electrical - Luminaire Schedule	1	11 x 17				
			01-E-00301	Site Lighting Luminaire Schedule	B-107	
Civil - Erosion Control	17	11 x 17				
			03-EC-20001	Erosion Control Area A	B-108	x
			03-EC-20002	LIDA Stormwater Facility Summary	B-109	x
			03-EC-22001	Erosion Control Plan Area A1	B-110	
			03-EC-22002	Erosion Control Plan Area A2	B-111	
			03-EC-22003	Erosion Control Plan Area A3	B-112	
			03-EC-22004	Erosion Control Plan Area A4	B-113	
			03-EC-22005	Erosion Control Plan Area A5	B-114	
			03-EC-22006	Erosion Control Plan Area A6	B-115	
			03-EC-22007	Erosion Control Plan Area A7	B-116	
			03-EC-22008	Erosion Control Plan Area A8	B-117	
			03-EC-22009	Erosion Control Plan Area A9	B-118	
			03-EC-22010	Erosion Control Plan Area A10	B-119	
			03-EC-22011	Erosion Control Plan Area A11	B-120	
			03-EC-22012	Erosion Control Plan Area A12	B-121	
			03-EC-22013	Erosion Control Plan Area A13	B-122	
			03-EC-22014	Erosion Control Plan Area A14	B-123	
			03-EC-22015	Erosion Control Plan Area A15	B-124	
Civil - Grading, Paving & Drainage	19	11 x 17				
			N/A	Earthwork Heat Map (Cut and Fill)	B-125	x

WTP_1.0 - Land Use Application Exhibit B - Index of Drawings

Discipline/Description	Quantity	Size	Construction Set Drawing No.	Technical Appendix Drawing/Figure Name	Technical Appendix Exhibit B Sheet No.	Included in Exhibit A
			03-GR-20001	Grading Plan Area A	B-126	x
			03-GR-20002	Grading Plan Areas A1 – A9	B-127	x
			03-GR-22001	Grading Plan Area A1	B-128	
			03-GR-22002	Grading Plan Area A2	B-129	x
			03-GR-22003	Grading Plan Area A3	B-130	x
			03-GR-22004	Grading Plan Area A4	B-131	x
			03-GR-22005	Grading Plan Area A5	B-132	
			03-GR-22006	Grading Plan Area A6	B-133	x
			03-GR-22007	Grading Plan Area A7	B-134	
			03-GR-22008	Grading Plan Area A8	B-135	
			03-GR-22009	Grading Plan Area A9	B-136	
			03-GR-22010	Grading Plan Area A10	B-137	
			03-GR-22011	Grading Plan Area A11	B-138	
			03-GR-22012	Grading Plan Area A12	B-139	
			03-GR-22013	Grading Plan Area A13	B-140	
			03-GR-22014	Grading Plan Area A14	B-141	
			03-GR-22015	Grading Plan Area A15	B-142	
			03-GR-22016	Grading Point Tables	B-143	
Civil - Site Utilities	10	11 x 17				
			03-PP-70101	Site Utilities Plan Layout Area A	B-144	x
			03-PP-70102	Site Utilities Plan Area A1	B-145	
			03-PP-70103	Site Utilities Plan Area A2	B-146	
			03-PP-70104	Site Utilities Plan Area A3	B-147	
			03-PP-70105	Site Utilities Plan Area A4	B-148	
			03-PP-70106	Site Utilities Plan Area A5	B-149	
			03-PP-70107	Site Utilities Plan Area A6	B-150	
			03-PP-70108	Site Utilities Plan Area A7	B-151	
			03-PP-70109	Site Utilities Plan Area A8	B-152	
			03-PP-70111	Site Utilities Plan Area A11	B-153	
Civil - Off-site Utilities	14	11 x 17				
			04-PP-70001	Off-site Utilities Plan Layout Area B	B-154	x
			04-PP-70007	Off-site Utilities Plan Area B6	B-155	x
			04-PP-70008	Off-site Utilities Plan Area B7	B-156	x
			04-PP-70201	Off-site Water Plan Area B5	B-157	
			04-PP-70202	Off-site Water Plan Area B6	B-158	x
			04-PP-70203	Off-site Water Plan Area B7	B-159	x
			04-PP-70204	Off-site Water Plan Area B8	B-160	
			04-PP-70205	Off-site Water Plan Area B9	B-161	
			04-PP-70206	Off-site Water Plan Area B10	B-162	
			04-PP-70207	Off-site Water Plan Area B11	B-163	
			04-PP-70301	Off-site Stormwater Plan Area B6	B-164	x
			04-PP-70302	Off-site Stormwater Plan Area B7	B-165	x
			04-PP-70401	Off-site Communication Conduit Plan Area B6	B-166	
			04-PP-70402	Off-site Communication Conduit Plan Area B7	B-167	
Civil - Typical Roadway Sections	1	11 x 17				
			03-GR-30001	Typical Roadway Sections - SW Blake St	B-168	x

WTP_1.0 - Land Use Application Exhibit B - Index of Drawings

Discipline/Description	Quantity	Size	Construction Set Drawing No.	Technical Appendix Drawing/Figure Name	Technical Appendix Exhibit B Sheet No.	Included in Exhibit A
Civil - Proposed Radio/Communications Tower Location	1	11 x 17				
			N/A	Radio/Communication Tower Proposed Location	B-169	x

FOR LAND USE PERMITTING (EXHIBIT A)



VIEW FROM SW 124th AVE, FACING NORTH

FOR LAND USE PERMITTING (EXHIBIT A)



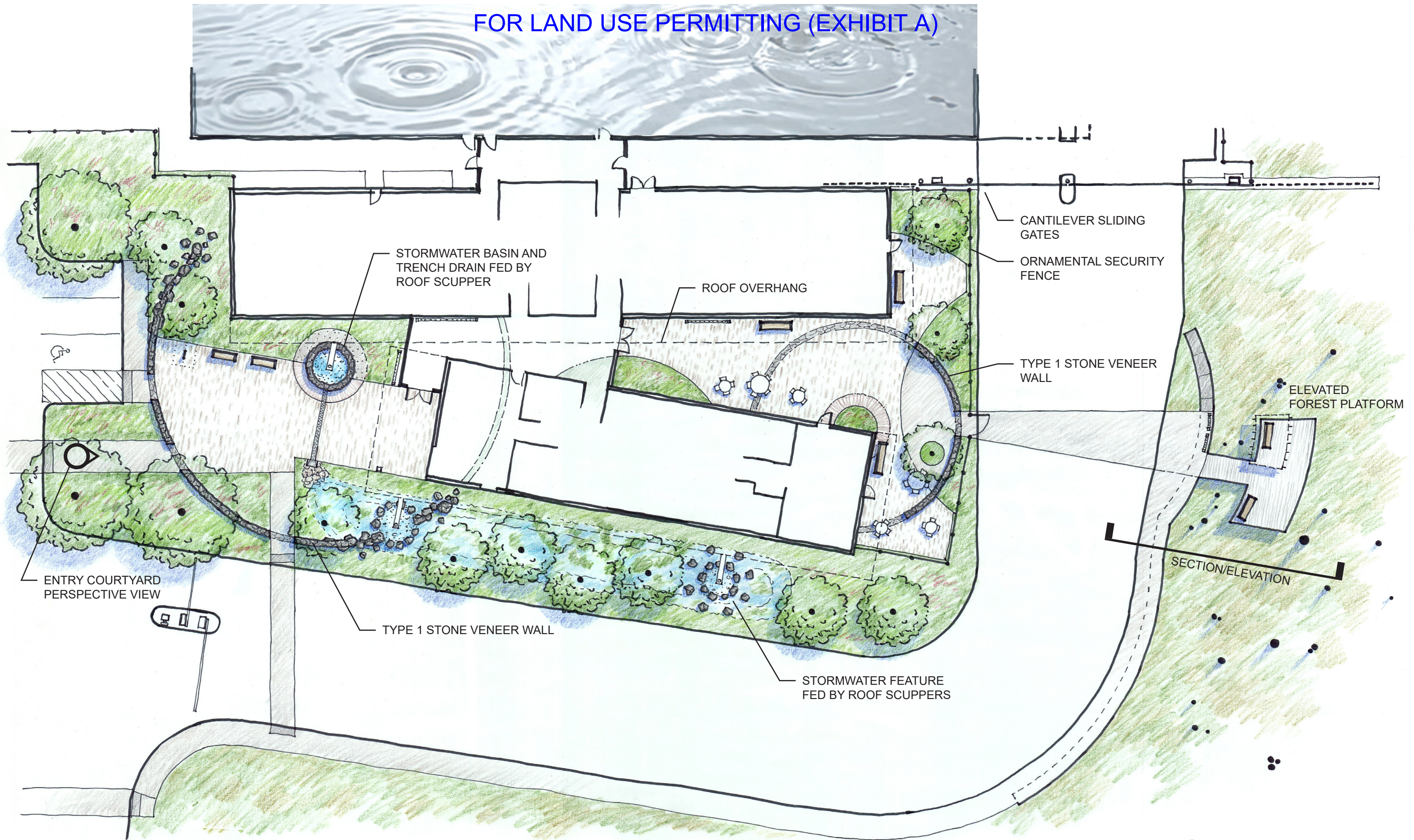
FOR LAND USE PERMITTING (EXHIBIT A)



FOR LAND USE PERMITTING (EXHIBIT A)



FOR LAND USE PERMITTING (EXHIBIT A)



FOR LAND USE PERMITTING (EXHIBIT A)



FOR LAND USE PERMITTING (EXHIBIT A)



SHEET B-007

FOREST PLATFORM - SECTION/ELEVATION (VIEW FACING NORTH)

GREENWORKS

FOR LAND USE PERMITTING (EXHIBIT A)

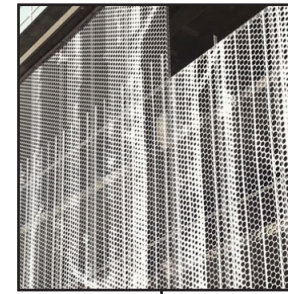
BLACK STEEL OR
WROUGHT IRON
SECURITY FENCING



EARTH TONE
ALUMINUM PANELS
(FINAL COLOR TBD)



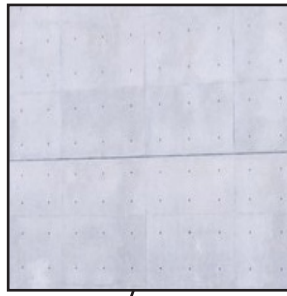
PERFORATED
ART PANEL



CLT
SOFFIT



CAST-IN-PLACE
CONCRETE



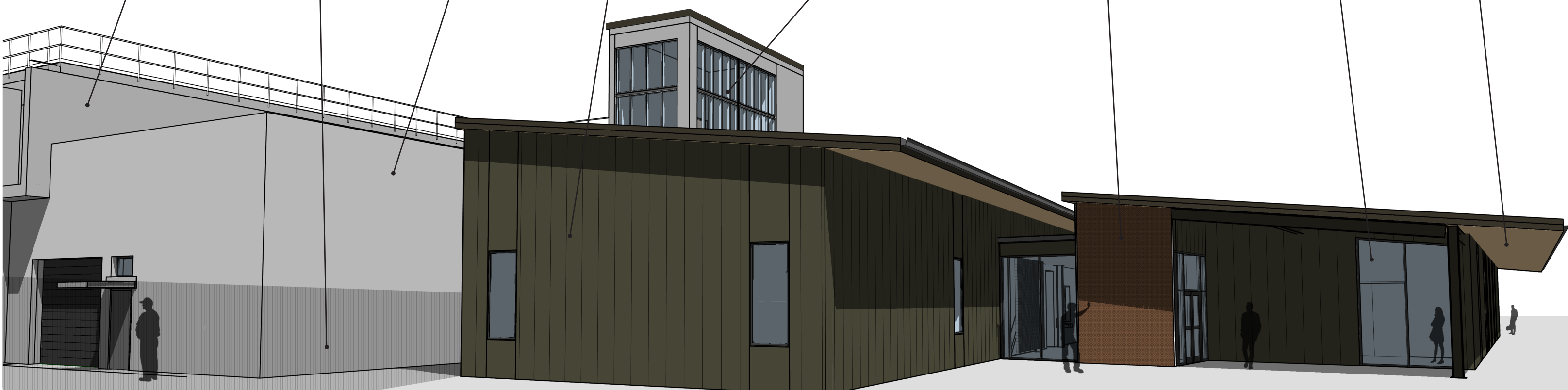
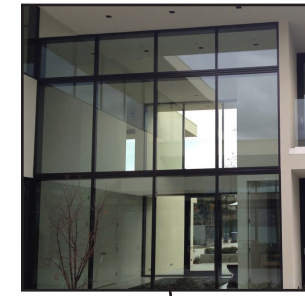
GROUND
FACE CMU



STOREFRONT
SYSTEM

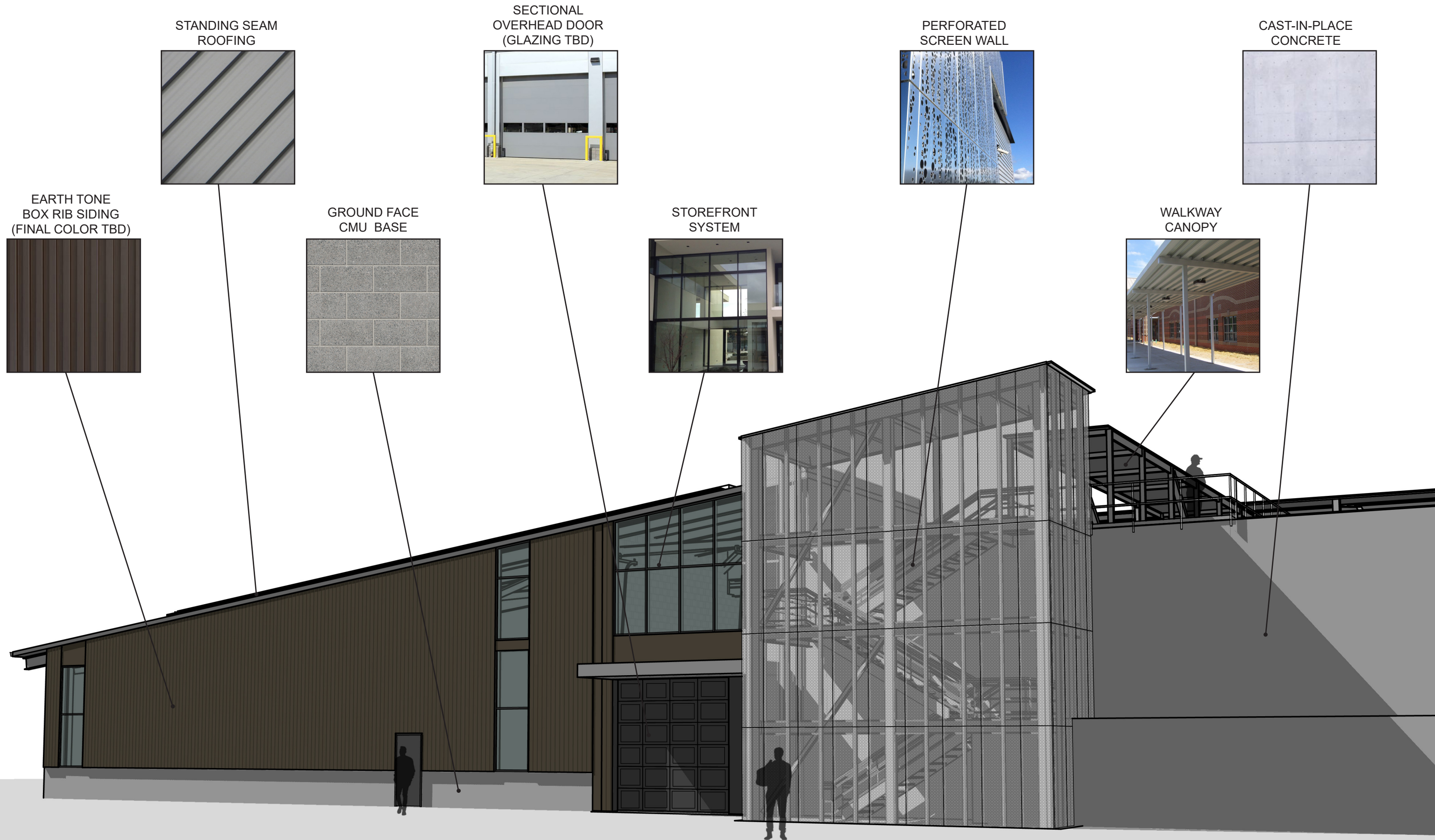


STOREFRONT
SYSTEM



ADMINISTRATION BUILDING (LOOKING EAST)

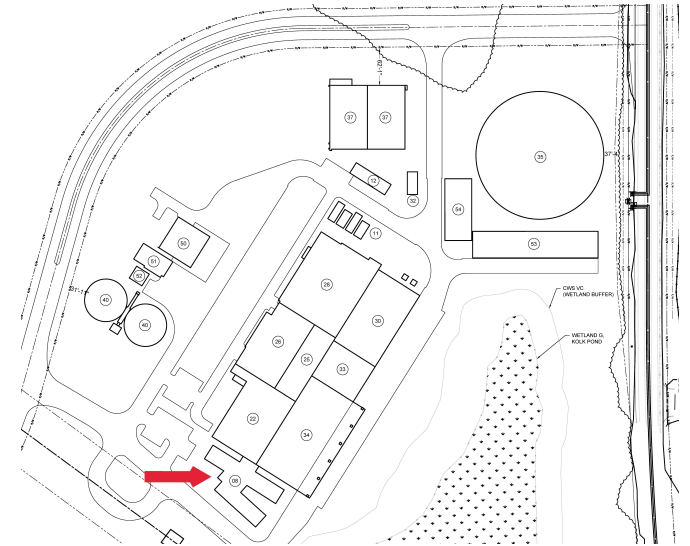
FOR LAND USE PERMITTING (EXHIBIT A)



PROCESS FACILITY (LOOKING SOUTH)

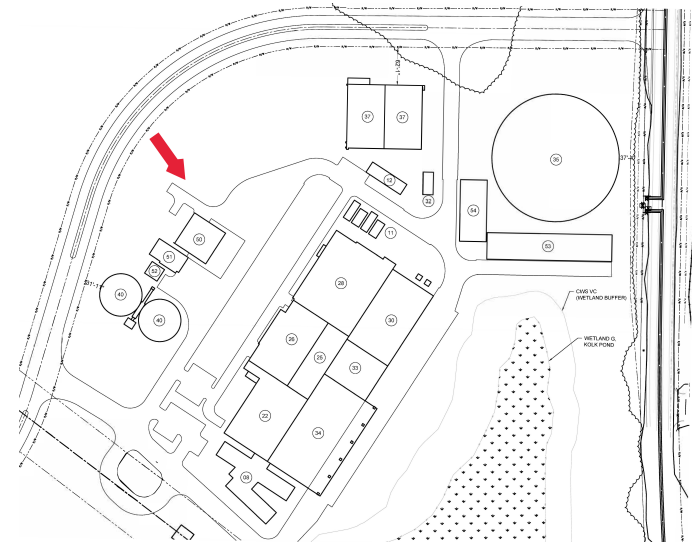
FOR LAND USE PERMITTING (EXHIBIT A)

AREA 08 - ADMINISTRATION BUILDING
LOOKING NORTHEAST FROM ROAD A



FOR LAND USE PERMITTING (EXHIBIT A)

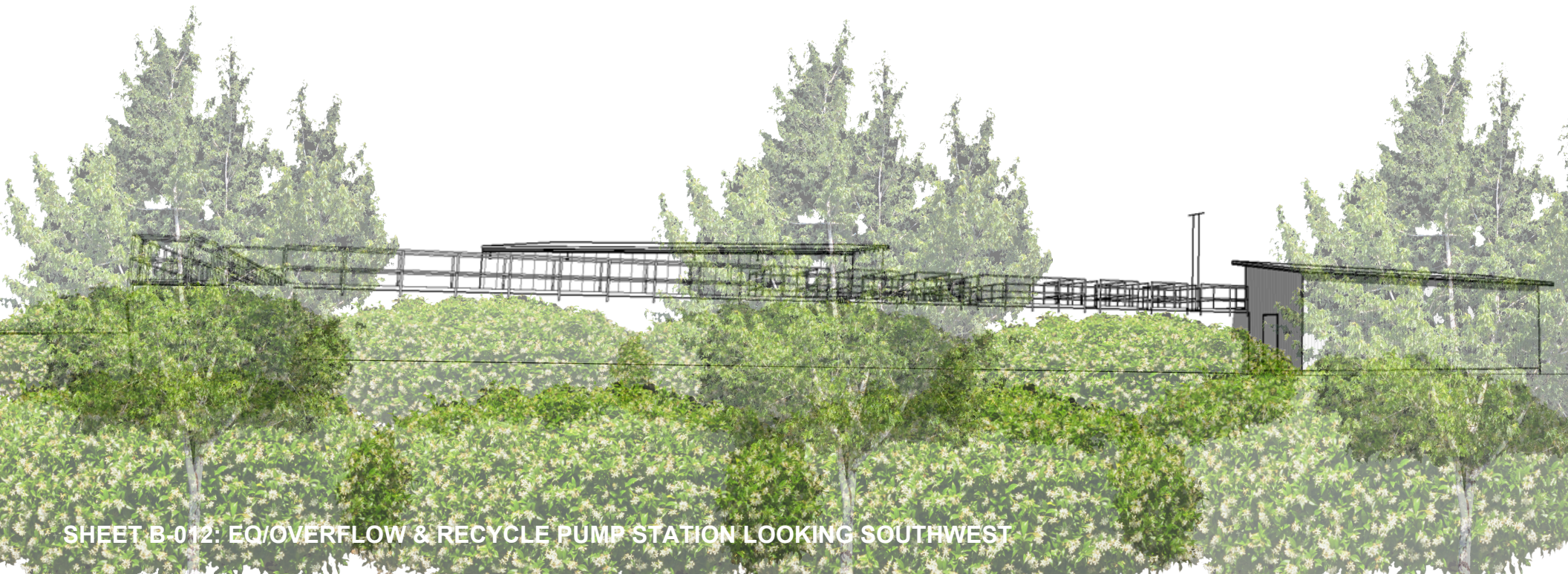
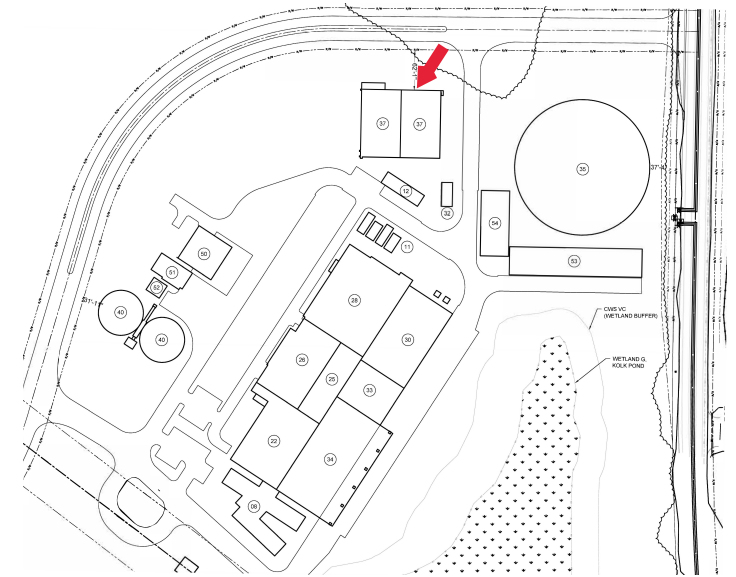
AREA 50 - DEWATERING
LOOKING SOUTHEAST FROM SW BLAKE ST



SHEET B-011: DEWATERING BLDG LOOKING SOUTHEAST

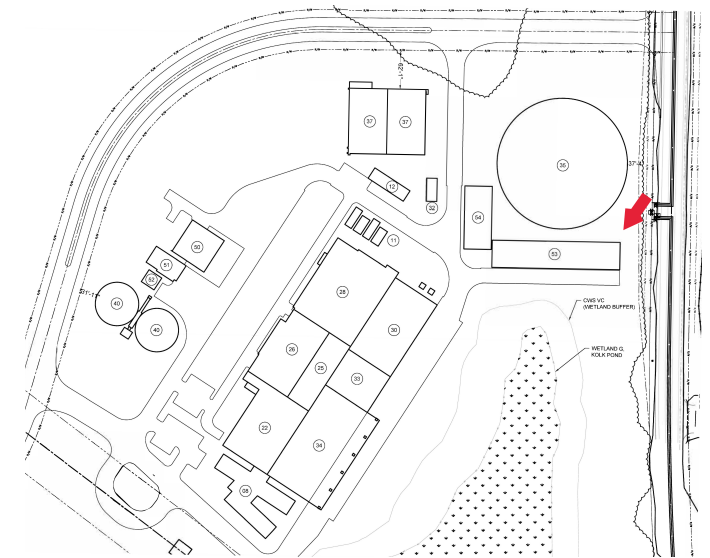
FOR LAND USE PERMITTING (EXHIBIT A)

AREA 37 - EQUALIZATION AND OVERFLOW
BASINS & PUMP HOUSE
LOOKING SOUTHWEST FROM SW BLAKE ST.



FOR LAND USE PERMITTING (EXHIBIT A)

AREA 53 - FINISH WATER PUMP STATION
LOOKING SOUTHWEST FROM SW 124TH



SHEET B-013: FINISHED WATER PUMP STATION LOOKING SOUTHWEST

FOR LAND USE PERMITTING (EXHIBIT A)

Water Treatment Plant (WTP_1.0) – Industrial Design Criteria (Section 16.90.030.D.7 a)

https://library.municode.com/or/sherwood/codes/code_of_ordinances?nodeId=TIT16ZOCODECO_DIVVCODE_CH16.90SIPL_16.90.020SIPLRE

7. Industrial developments provide employment opportunities for citizens of Sherwood and the region as a whole. The proposed industrial development is designed to enhance areas visible from arterial and collector streets by reducing the "bulk" appearance of large buildings. Industrial design standards include the following:

a. Portions of the proposed industrial development within 200 feet of an arterial or collector street and visible to the arterial or collector (i.e. not behind another building) must meet any four of the following six design criteria: [NOTE: each building can meet different criteria]

- (1) A minimum 15% window glazing for all frontages facing an arterial or collector.
- (2) A minimum of two (2) building materials used to break up vertical facade street facing frontages (no T-111 or aluminum siding).
- (3) Maximum thirty-five (35) foot setback for all parts of the building from the property line separating the site from all arterial or collector streets (required visual corridor falls within this maximum setback area).
- (4) Parking is located to the side or rear of the building when viewed from the arterial or collector.
- (5) Loading areas are located to the side or rear of the building when viewed from the arterial or collector. If a loading area is visible from an arterial or collector, it must be screened with vegetation or a screen made of materials matching the building materials.
- (6) All roof-mounted equipment is screened with materials complimentary to the building design materials.

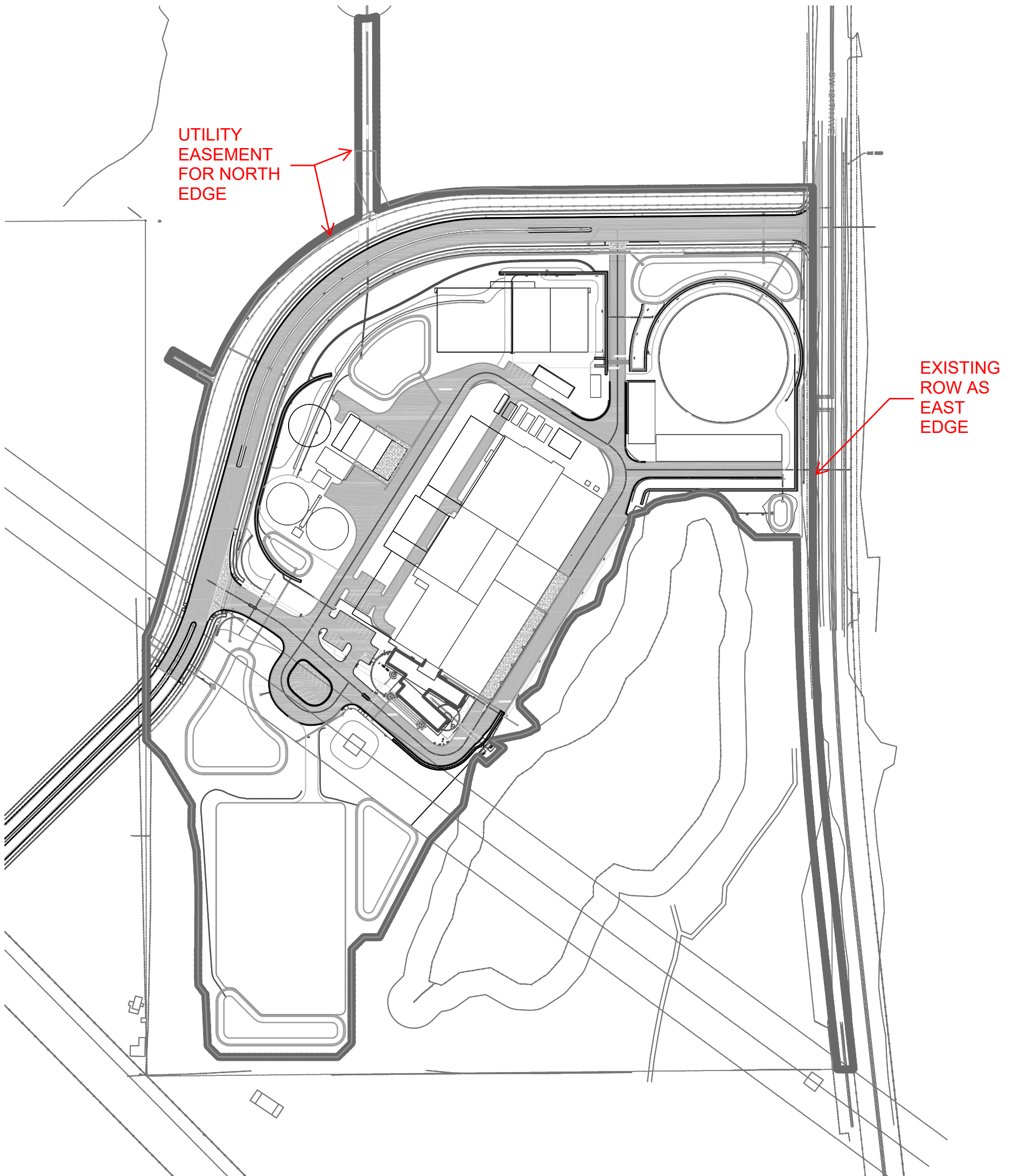
	1. MIN. 15% WINDOW GLAZING (APPROX. %)	2. MIN. 2 BUILDING MATERIALS (LIST THE MATERIALS)	3. MAX. 35' SETBACK (APPROX. SETBACK)	4. PARKING ON SIDE OR REAR OF BUILDING (SPECIFY SIDE OR REAR)	5. LOADING AREAS ON SIDE OR REAR OF BUILDING (SPECIFY SIDE OR REAR)	6. ROOF-MOUNTED EQUIPMENT SCREENED (LIST SCREENING MATERIALS)
ADMINISTRATION	Y (20%)	Glass/metal panels			rear	Roofline/louvers
FINISH WATER PUMP STATION		Concrete/glass/ metal panel		side	side	Yes; equipment indoors; no added screening needed
EQ/OVERFLOW PUMP FACILITY		Metal panel 1/ metal panel 2		side	side	Yes; equipment indoors; no added screening needed
DEWATERING		Concrete/ metal panel/ glass		Side	Side	louvers

FOR LAND USE PERMITTING (EXHIBIT A)

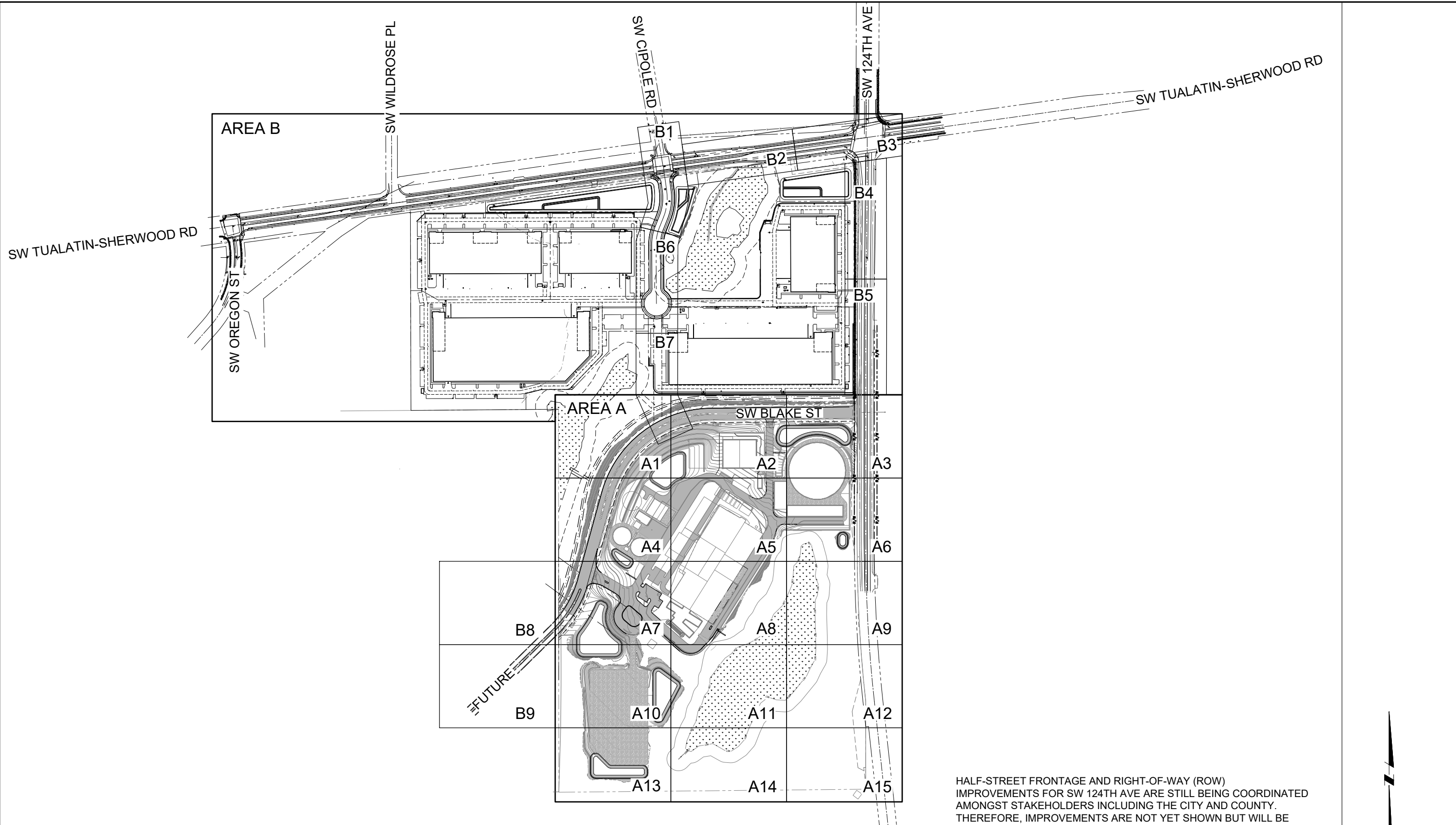
LIMITS OF DISTURBANCE
INCLUDING 124TH WIDENING

1" = 200' AT 11" X 17"

TOTAL DISTURBANCE AREA:
APPROX 30.7 ACRES

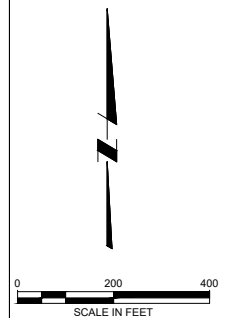


FOR LAND USE PERMITTING (EXHIBIT A)



1 OVERALL KEY PLAN

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-016: OVERALL KEY PLAN:

DSGN	E RODRIGUEZ					
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.



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

GENERAL
OVERALL KEY PLAN

90% DESIGN - NOT FOR CONSTRUCTION

SHEET	
DWG	01-G-02003
DATE	AUG 2020
PROJ	WTP_1.0

DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-01-G-02003.dwg
 PLOT DATE: Friday, December 20, 2019 3:51:38 PM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT A)

NOTES:

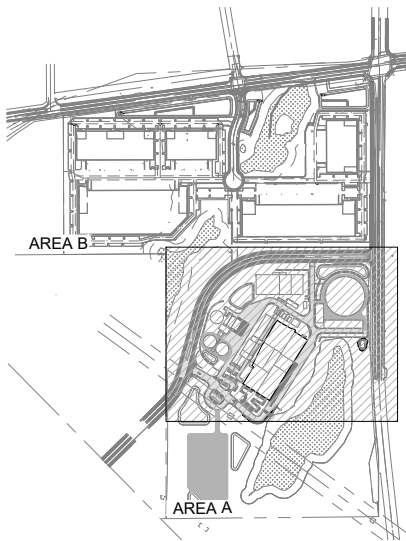
1. FINISH AND EXISTING GRADE CONTOUR INTERVAL IS SHOWN AT 1 FEET.
2. SITE AREA IS 42.95 ACERS, PACEL SOUTH OF PROPOSED SW BLAKE STREET RIGHT-OF-WAY.
3. THE NET BUILDING AREA IS 34.73 ACRES, OR THE TOTAL SITE AREA MINUS WETLAND G AND ITS WETLAND BUFFER. WETLAND G (KOLK POND) IS 8.22 ACRES WHEN INCLUDING THE WETLAND BUFFER.

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: BEN FOSTER

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

DWG FILE: C:\cdm\ben.foster@murraysmith.us\40274278\WTP1-03-C-22002.dwg



KEY MAP
NTS

**SHEET B-017:
OVERALL
SITE PLAN**

DSGN	B FOSTER						
DR	M ESTEP						
CHK	C JAIN						
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.



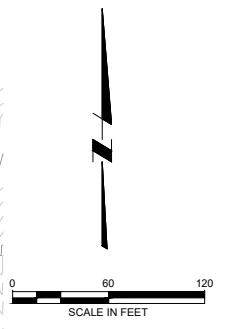
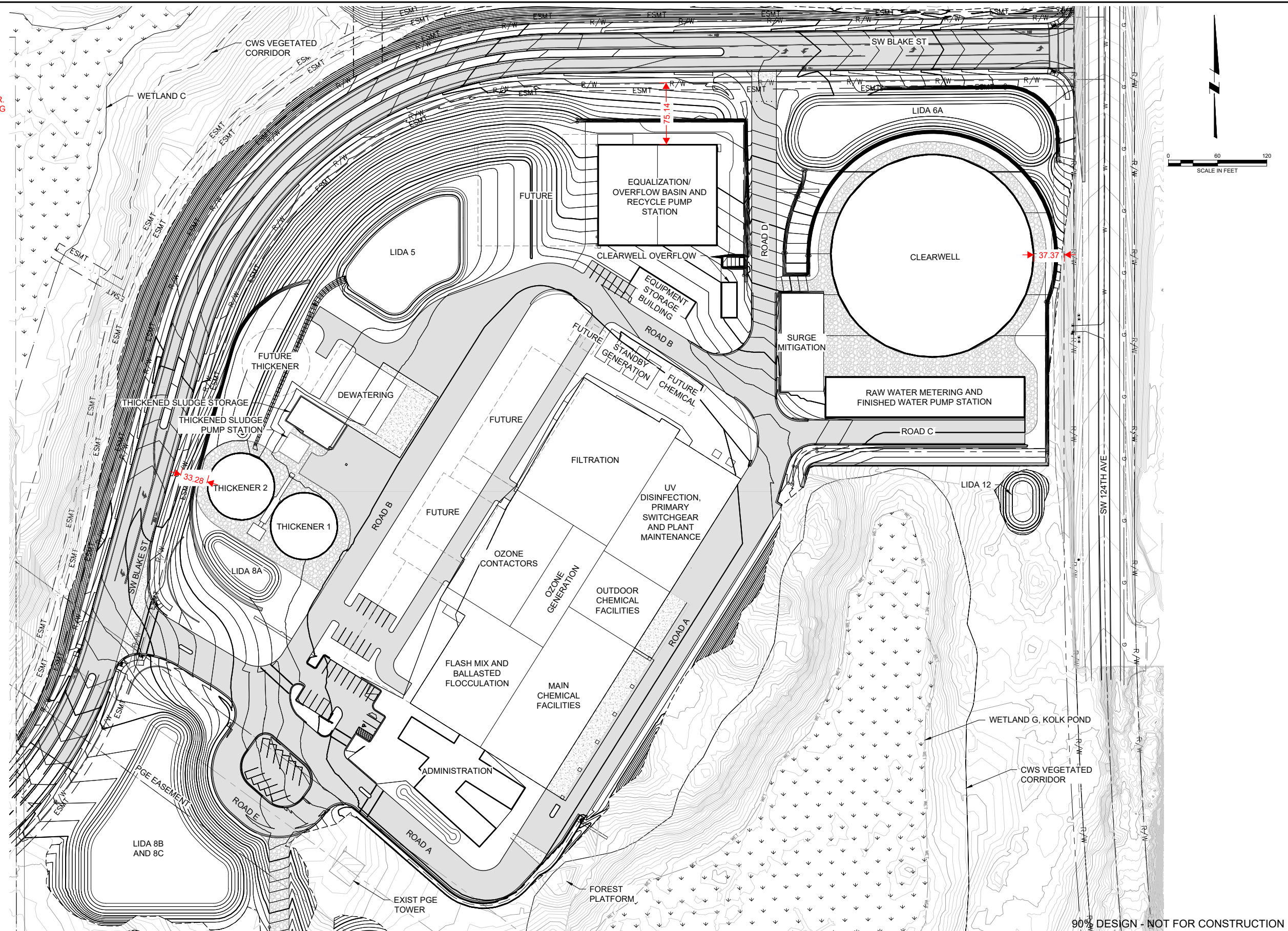
Willamette Water Supply
Our Reliable Water
WILLAMETTE WATER SUPPLY PROGRAM
WATER TREATMENT PLANT_1.0

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

SITE
CIVIL
SITE LAYOUT PLAN AREA A

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

PLOT DATE AND TIME: 8/24/2020 5:21:39 PM



90% DESIGN - NOT FOR CONSTRUCTION

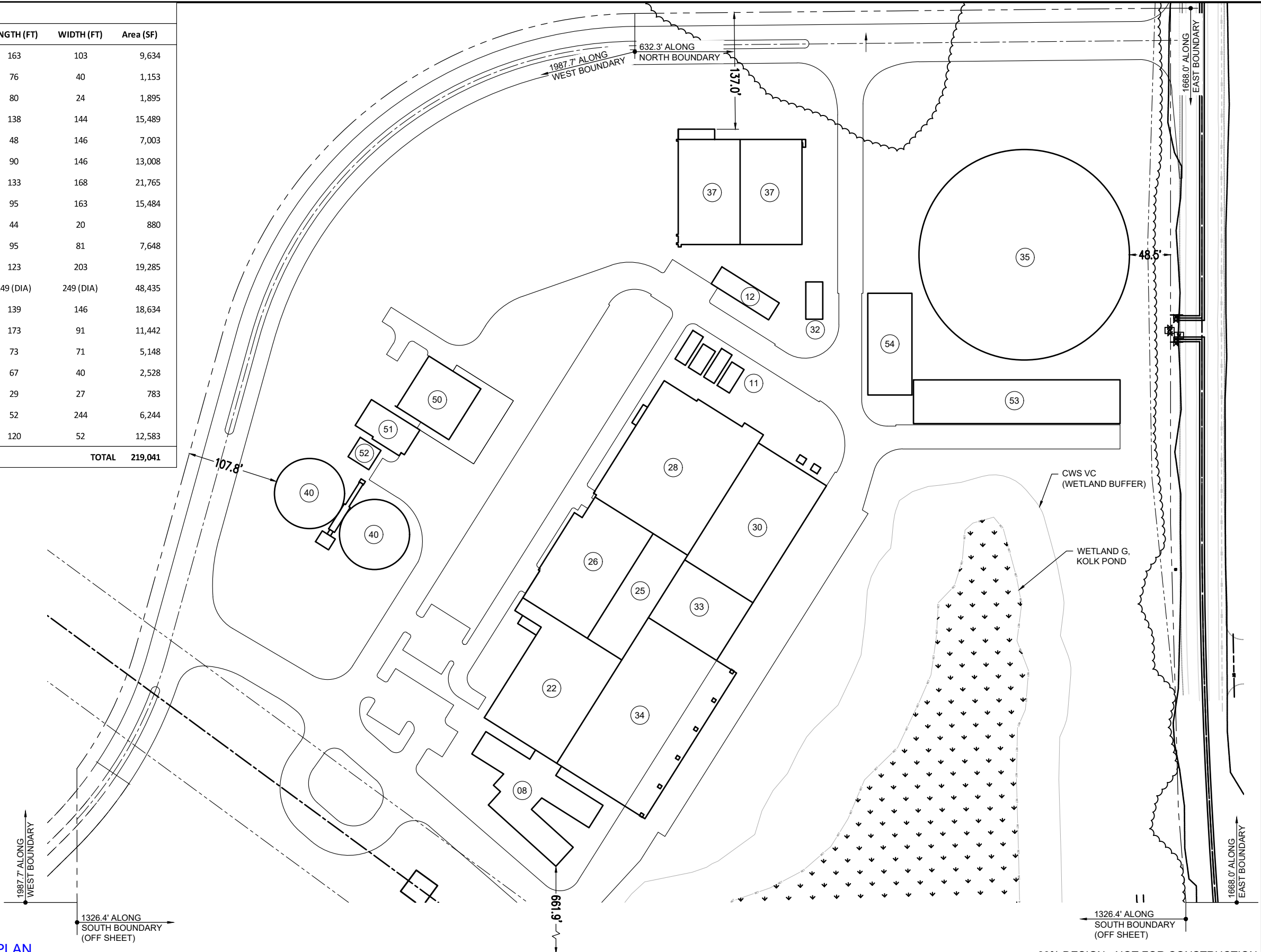
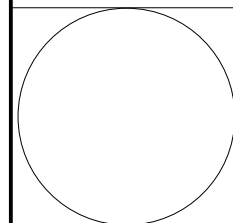
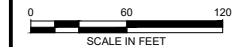
FOR LAND USE PERMITTING (EXHIBIT A)

FACILITY FOOTPRINT DIMENSIONS AND AREAS				
AREA	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	Area (SF)
8	ADMINISTRATION	163	103	9,634
11	STANDBY GENERATION	76	40	1,153
12	EQUIPMENT STORAGE BUILDING	80	24	1,895
22	FLASH MIX AND BALLASTED FLOCCULATION	138	144	15,489
25	OZONE GENERATION	48	146	7,003
26	OZONE CONTACTORS	90	146	13,008
28	FILTRATION	133	168	21,765
30	UV DISINFECTION, PRIMARY SWITCHGEAR AND PLANT MAINTENANCE	95	163	15,484
32	CLEARWELL OVERFLOW	44	20	880
33	OUTDOOR CHEMICAL FACILITIES	95	81	7,648
34	MAIN CHEMICAL FACILITIES	123	203	19,285
35	CLEARWELL	249 (DIA)	249 (DIA)	48,435
37	EQUALIZATION/OVERFLOW BASIN AND RECYCLE PUMP STATION	139	146	18,634
40	THICKENERS	173	91	11,442
50	DEWATERING	73	71	5,148
51	THICKENED SLUDGE STORAGE	67	40	2,528
52	THICKENED SLUDGE PUMP STATION	29	27	783
53	RAW WATER METERING AND FINISHED WATER PUMP STATION	52	244	6,244
54	SURGE MITIGATION	120	52	12,583
TOTAL				219,041

PROPERTY BOUNDARY	APPROXIMATE BOUNDARY LENGTH (FT)	APPROXIMATE SHORTEST DISTANCE TO STRUCTURE (FT)
NORTH	632.3	137.0
SOUTH (OFF SHEET)	1,326.4	661.9
EAST	1,668.0	48.5
WEST	1,987.7	107.8

NOTES:

- SITE AREA IS 42.95 ACRES, PARCEL SOUTH OF PROPOSED SW BLAKE STREET RIGHT-OF-WAY.
- THE NET BUILDING AREA IS 34.73 ACRES, OR THE TOTAL SITE AREA MINUS WETLAND G AND ITS WETLAND BUFFER. WETLAND G (KOLK POND) IS 8.22 ACRES WHEN INCLUDING THE WETLAND BUFFER.



SHEET B-018: FACILITIES KEY PLAN

DSGN	M HYLAND					
DR	K SIMPSON					
CHK	M HYLAND					
APVD	G LINDSTADT	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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GENERAL
 FACILITIES KEY PLAN AREAS

SHEET	DWG	01-G-02005-X
DATE	AUG 2020	
PROJ	WTP_1.0	

60% DESIGN - NOT FOR CONSTRUCTION

FOR LAND USE PERMITTING (EXHIBIT A)

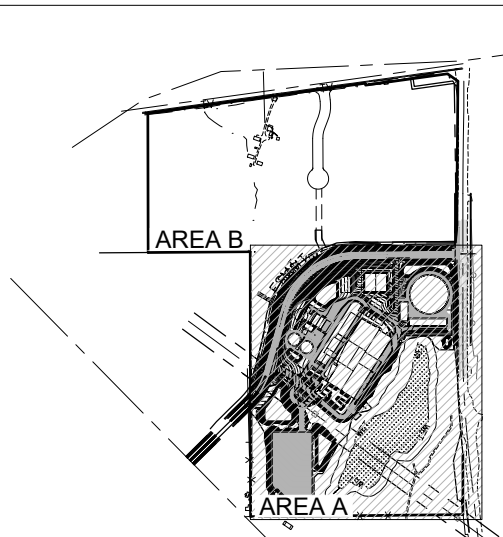
NOTES:

- PARTIAL TREE SURVEY SHOWN. AREAS TO THE SOUTH OF PGE EASEMENT AND SOUTHEAST OF WETLAND G DO NOT SHOW ALL OF THE EXISTING TREES.
- FOR TREE PROTECTION PLAN, SEE DRAWING 03-L-03001.
- EXISTING GRADE CONTOUR SHOWN AT A 5 FOOT INTERVAL.

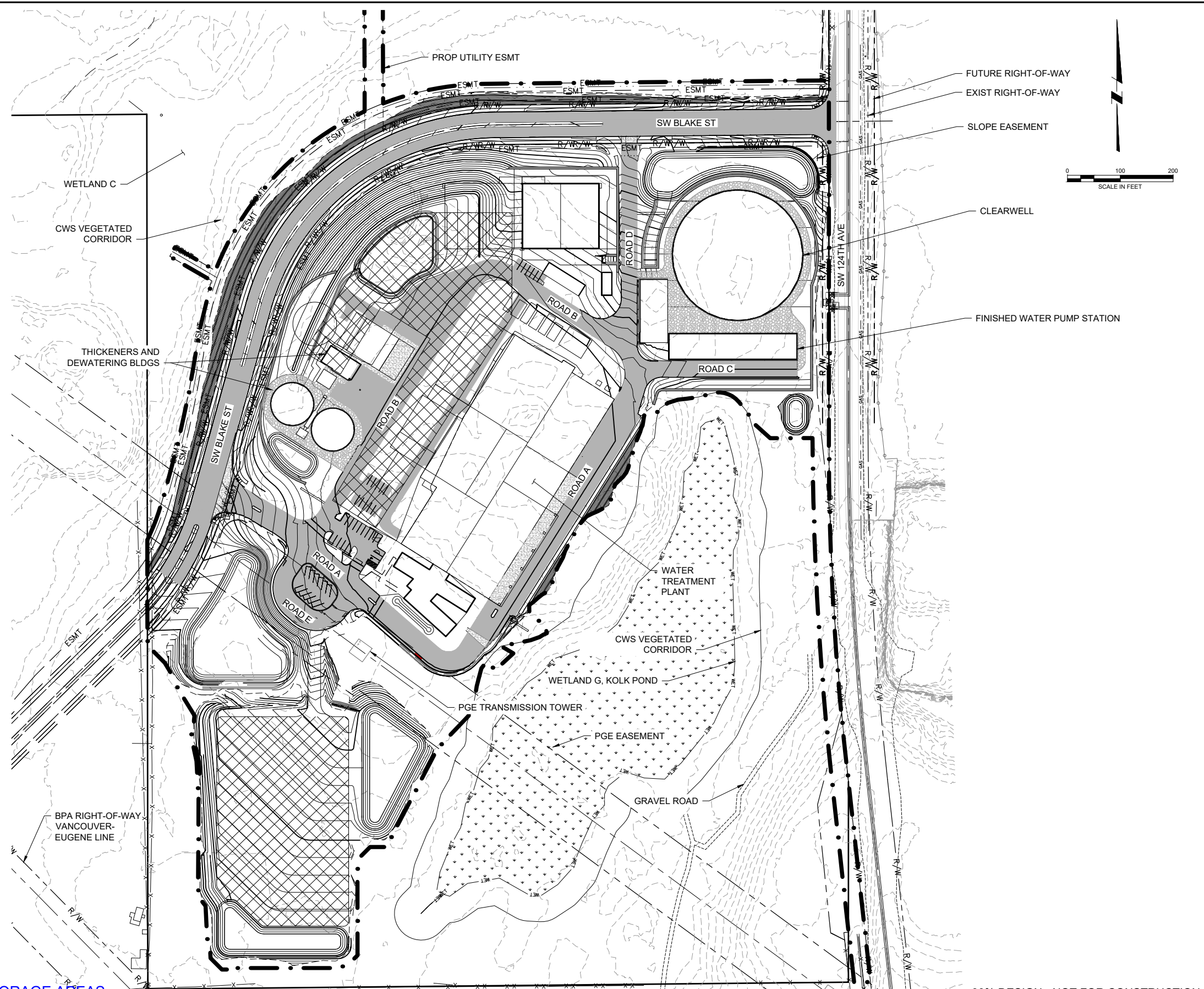
LEGEND:



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-019: CONSTRUCTION STAGING & STORAGE AREAS

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	B FOSTER					
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.



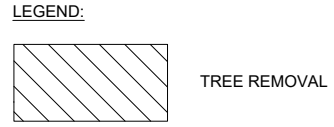
TEMPORARY CONSTRUCTION FACILITIES
CIVIL
CONSTRUCTION STAGING AND
STORAGE AREAS PLAN

SHEET	DWG	02-C-20001
DATE	AUG 2020	
PROJ	WTP_1.0	

DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-02-C-20001.dwg
 PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
 BY: BEN FOSTER

FOR LAND USE PERMITTING (EXHIBIT A)

- NOTES:**
- PARTIAL TREE SURVEY SHOWN. AREAS TO THE SOUTH OF PGE EASEMENT AND SOUTHEAST OF WETLAND G DO NOT SHOW ALL OF THE EXISTING TREES.
 - FOR TREE PROTECTION PLAN, SEE DRAWING 03-L-03001.
 - EXISTING GRADE CONTOUR INTERVAL IS 5 FOOT.

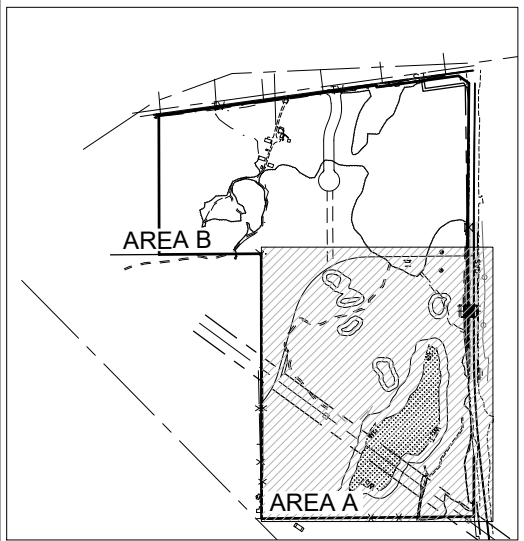


HALF-STREET FRONTAGE AND RIGHT-OF-WAY (ROW) IMPROVEMENTS FOR SW 124TH AVE ARE STILL BEING COORDINATED AMONGST STAKEHOLDERS INCLUDING THE CITY AND COUNTY. THEREFORE, IMPROVEMENTS ARE NOT YET SHOWN BUT WILL BE SHOWN ON FUTURE VERSIONS OF THIS DRAWING

BY: BEN FOSTER

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

DWG FILE: C:\cdm\ben.foster@murraysmith.us\0274278\WTP1-03-C-22004.dwg



KEY MAP
NTS

SHEET B-020: TREE REMOVAL PLAN

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

VERIFY SCALE
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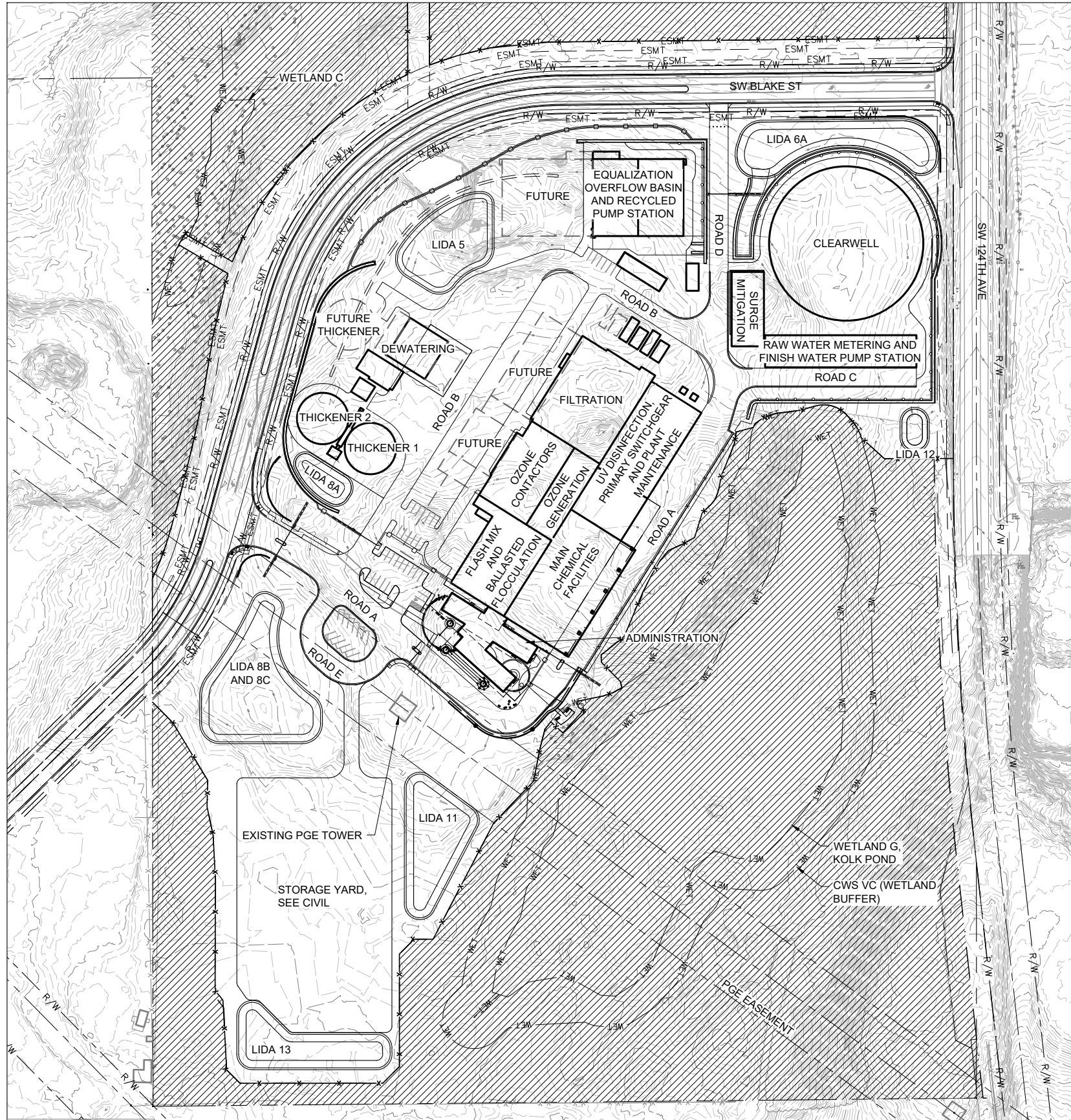
SITE
CIVIL
TREE REMOVAL PLAN

SHEET	
DWG	03-C-22004
DATE	AUG 2020
PROJ	WTP_1.0

PLOT DATE AND TIME: 8/24/2020 4:40:12 PM



FOR LAND USE PERMITTING (EXHIBIT A)



SHEET B-021: TREE PROTECTION OVERALL PLAN & LEGEND

OVERALL PLAN
SCALE: 1" = 100'-0"

DSGN	B DEAN								
DR	B DEAN								
CHK	D WALTERS								
APVD	M FAHA	NO.	DATE	REVISION	BY	APVD			

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



GreenWorks, P.C.
Landscape Architecture
Environmental Design
24 NW 2nd Avenue, Suite 100
Portland, Oregon 97209
PH: 503.222.5810/F: 503.222.2283
Email: info@greenworkspc.com

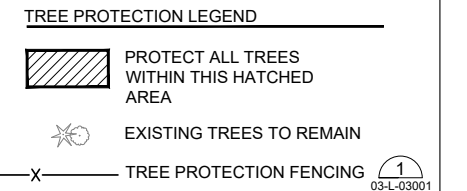


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Tel: (503) 232-1800

SITE
LANDSCAPE ARCHITECTURE
TREE PROTECTION
OVERALL PLAN, LEGEND & NOTES

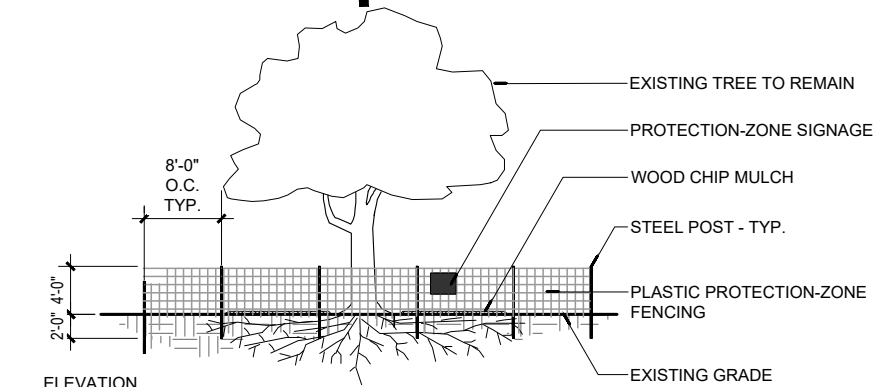
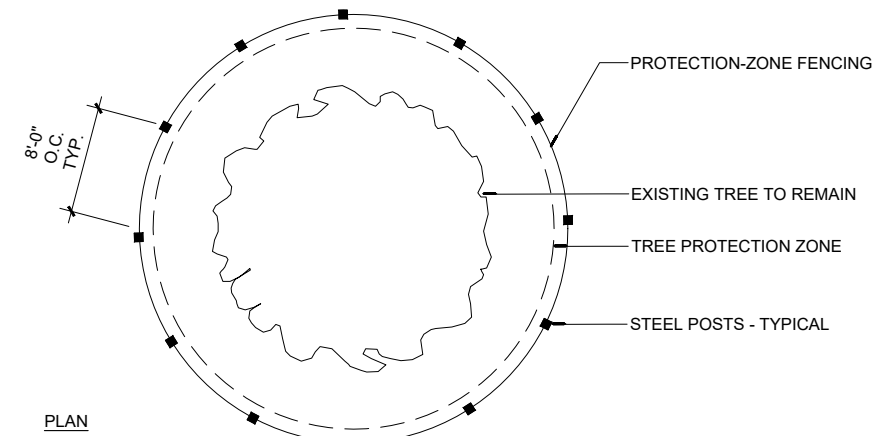
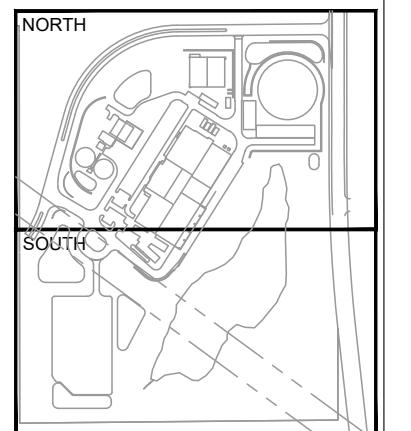
SHEET	DWG # 03-L-03001
DATE	AUG 2020
PROJ	WTP_1.0



- NOTES:**
- MANY EXISTING TREES TO REMAIN ARE NOT REPRESENTED ON THE SITE SURVEY. CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING ALL TREES WITHIN HATCHED AREA.
 - REFER TO SHEET 03-C-2208 FOR TREE REMOVAL PLAN.

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



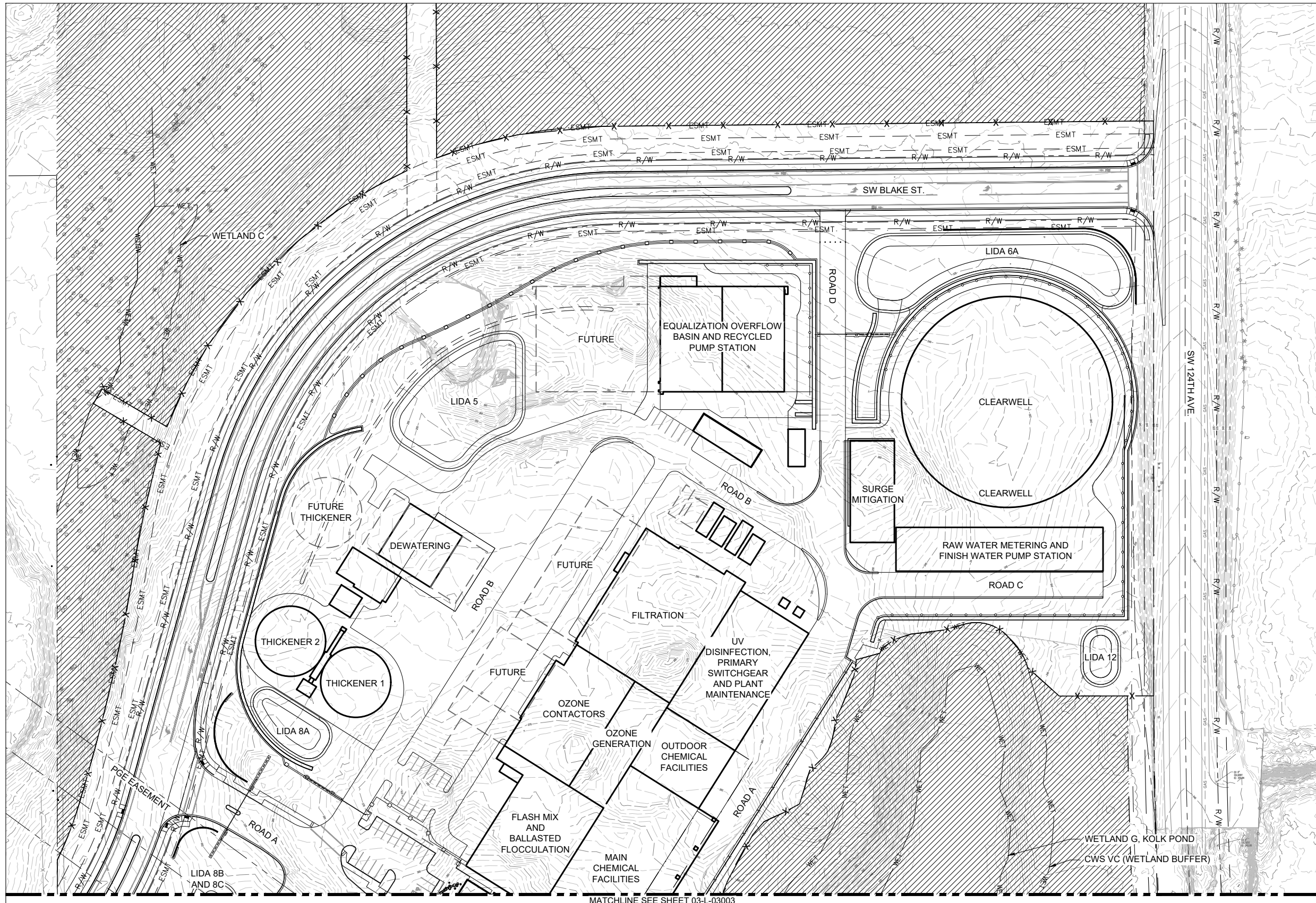
- NOTES:**
- DO NOT INSTALL ANY COMPONENT OF TREE PROTECTION FENCING WITHIN TREE PROTECTION ZONES UNLESS INDICATED ON THE DRAWINGS OTHERWISE.
 - THE FOLLOWING PRACTICES ARE PROHIBITED WITHIN TREE PROTECTION ZONES: STORAGE OF CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL; CLEANING OF MATERIALS OR EQUIPMENT; MOVING OR PARKING VEHICLES OR EQUIPMENT; FOOT TRAFFIC; ERECTION OF STRUCTURES; IMPOUNDMENT OF WATER; EXCAVATION OR OTHER DIGGING UNLESS OTHERWISE INDICATED; ATTACHMENT OF SIGNS TO OR WRAPPING MATERIALS AROUND TREES; USE OF FASTENERS OF ANY TYPE INTO THE TREE.
 - THE CITY OF SHERWOOD SHALL BE NOTIFIED WITHIN 24 HOURS OF ANY SUSPECTED DAMAGE TO EXISTING TREES WITHIN THE PROJECT AREA THAT WERE NOT IDENTIFIED AND APPROVED FOR REMOVAL OR RELOCATION. IF DAMAGE OCCURS DURING CONSTRUCTION, THE CONSTRUCTION APPLICANT SHALL HAVE THE TREE RESTORED WITHIN 24 HOURS BY A **CERTIFIED ARBORIST**.

TREE PROTECTION FENCING
NOT TO SCALE

90% DESIGN - NOT FOR CONSTRUCTION

PLOT DATE AND TIME: 8/21/2020 1:10 PM

FOR LAND USE PERMITTING (EXHIBIT A)

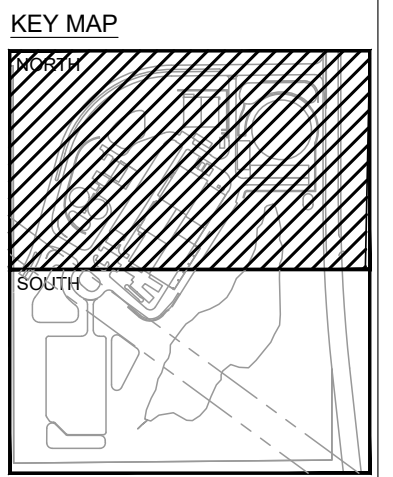


TREE PROTECTION LEGEND

- PROTECT ALL TREES WITHIN THIS HATCHED AREA
- EXISTING TREES TO REMAIN
- TREE PROTECTION FENCING 1
03-L-0300

- NOTES:**
1. MANY EXISTING TREES TO REMAIN ARE NOT REPRESENTED ON THE SITE SURVEY. CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING ALL TREES WITHIN HATCHED AREA.
 2. REFER TO SHEET 03-C-2208 FOR TREE REMOVAL PLAN.

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



90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-022: TREE PROTECTION PLAN - NORTH

PLAN
SCALE: 1" = 60'-0"

DSGN	B DEAN						
DR	B DEAN						
CHK	D WALTERS						
APVD	M FAHA	NO.	DATE	REVISION	BY	APVD	

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

GreenWorks, P.C.
Landscape Architecture
Environmental Design
24 NW 2nd Avenue, Suite 100
Portland, Oregon 97209
PH: 503.222.8910/F: 503.222.2283
Email: info@greenworkspc.com



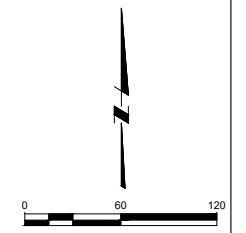
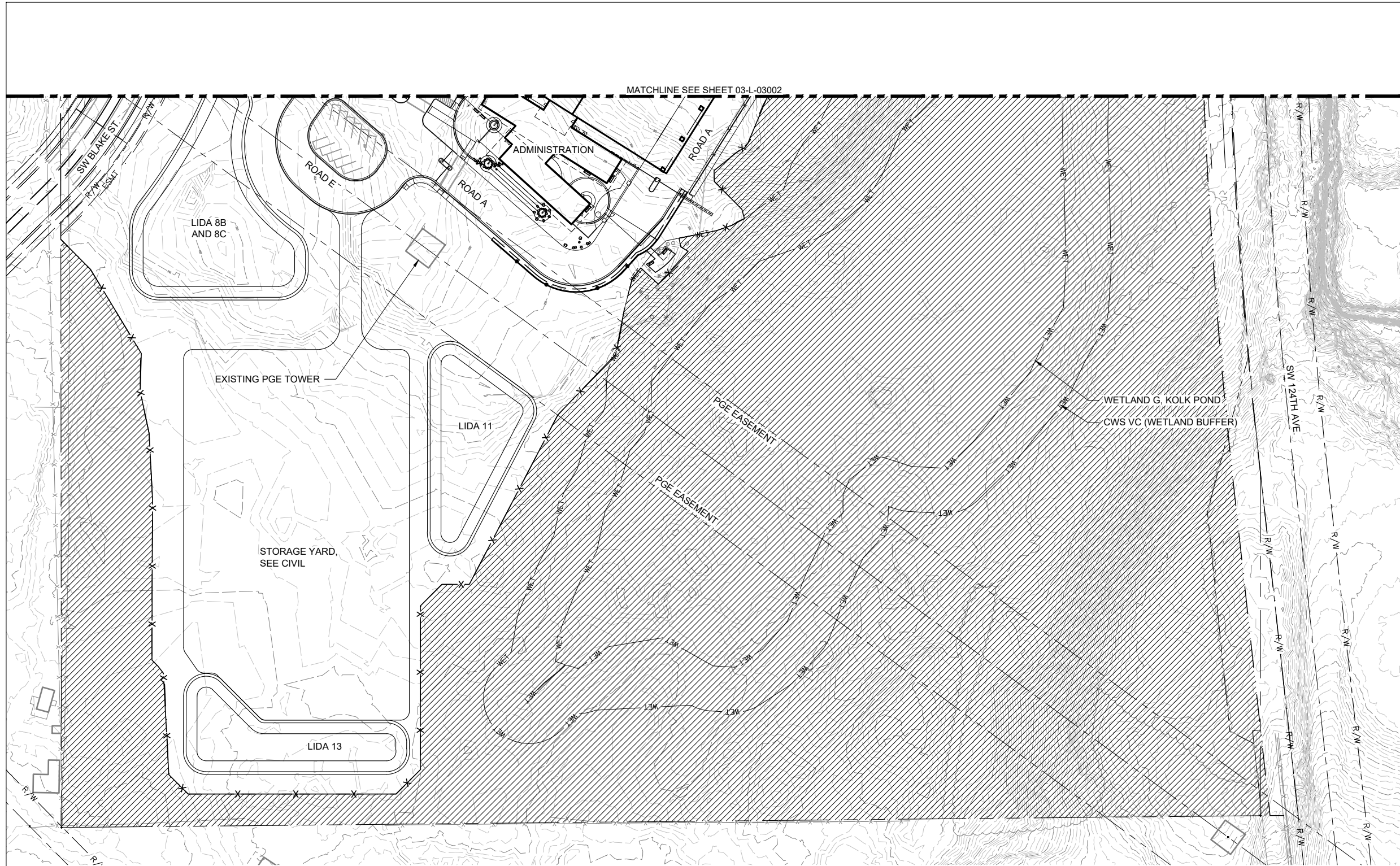
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WATER TREATMENT PLANT_1.0

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

LANDSCAPE ARCHITECTURE
TREE PROTECTION PLAN - NORTH

SHEET	DWG # 03-L-03002
DATE	08/24/2020
PROJ	WTP_1.0

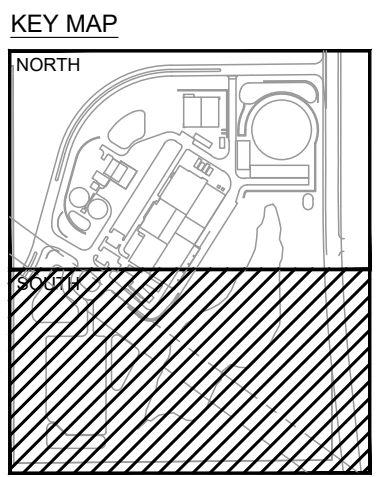
FOR LAND USE PERMITTING (EXHIBIT A)



TREE PROTECTION LEGEND

- PROTECT ALL TREES WITHIN THIS HATCHED AREA
- EXISTING TREES TO REMAIN
- TREE PROTECTION FENCING

- NOTES:**
1. MANY EXISTING TREES TO REMAIN ARE NOT REPRESENTED ON THE SITE SURVEY. CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING ALL TREES WITHIN HATCHED AREA.
 2. REFER TO SHEET 03-C-2208 FOR TREE REMOVAL PLAN.



PLAN
SCALE: 1" = 60'-0"

SHEET B-023: TREE PROTECTION PLAN - SOUTH

DSGN	B DEAN						
DR	B DEAN						
CHK	D WALTERS						
APVD	M FAHA	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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Landscape Architecture
Environmental Design
24 NW 2nd Avenue, Suite 100
Portland, Oregon 97209
Ph: 503.222.5810 / F: 503.222.2283
Email: info@greenworkspc.com



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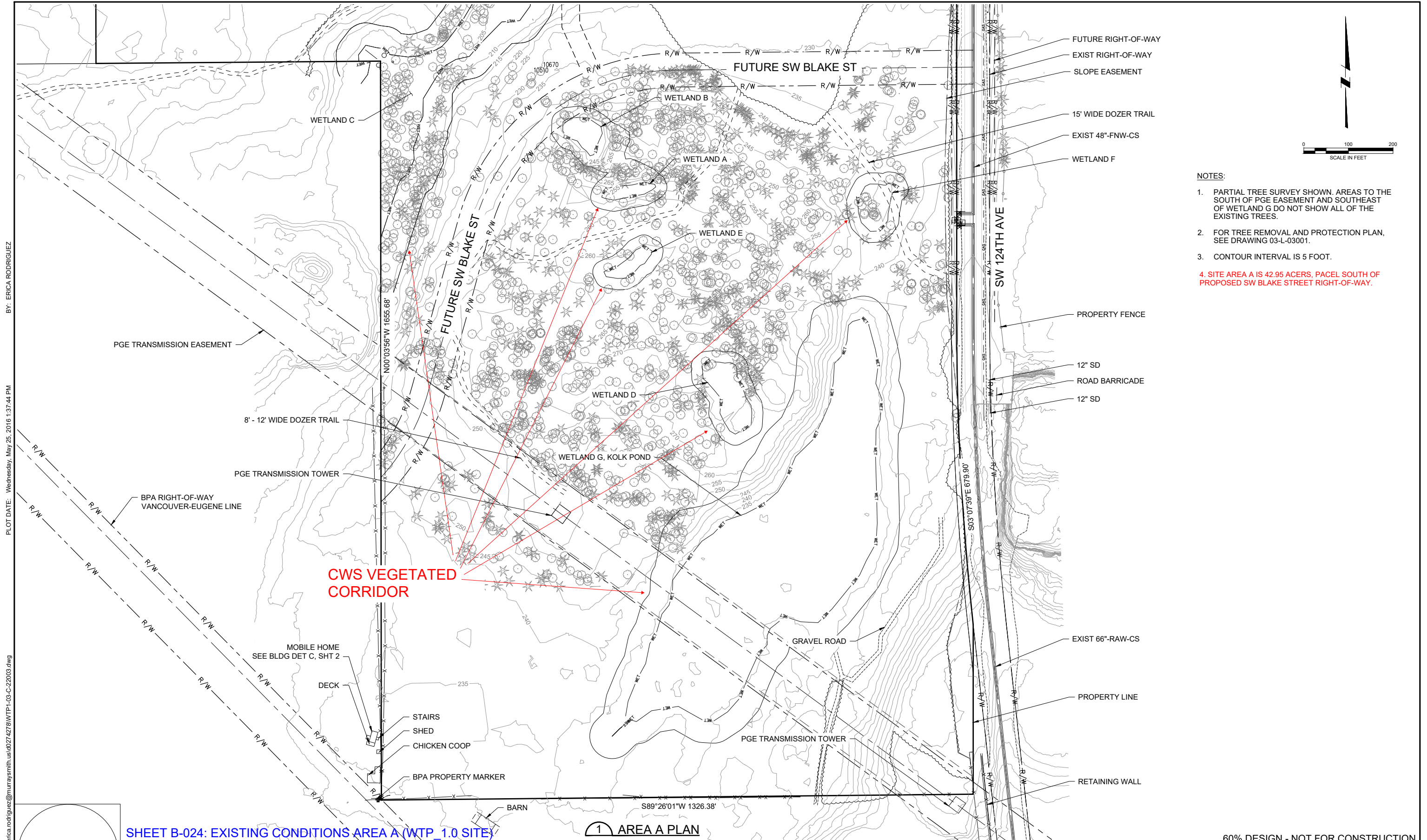
CDM Smith
1220 SW Morrison Street, Suite 200
Portland, OR 97205
Tel: (503) 232-1800

LANDSCAPE ARCHITECTURE
TREE PROTECTION PLAN - SOUTH

SHEET	
DWG #	03-L-03003
DATE	AUG 2020
PROJ	WTP_1.0

90% DESIGN - NOT FOR CONSTRUCTION

FOR LAND USE PERMITTING (EXHIBIT A)



- NOTES:**
- PARTIAL TREE SURVEY SHOWN. AREAS TO THE SOUTH OF PGE EASEMENT AND SOUTHEAST OF WETLAND G DO NOT SHOW ALL OF THE EXISTING TREES.
 - FOR TREE REMOVAL AND PROTECTION PLAN, SEE DRAWING 03-L-03001.
 - CONTOUR INTERVAL IS 5 FOOT.
 - SITE AREA A IS 42.95 ACERS, PACEL SOUTH OF PROPOSED SW BLAKE STREET RIGHT-OF-WAY.**

SHEET B-024: EXISTING CONDITIONS AREA A (WTP_1.0 SITE)

1 AREA A PLAN

60% DESIGN - NOT FOR CONSTRUCTION

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

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
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SITE CIVIL
 EXISTING CONDITIONS AREA A

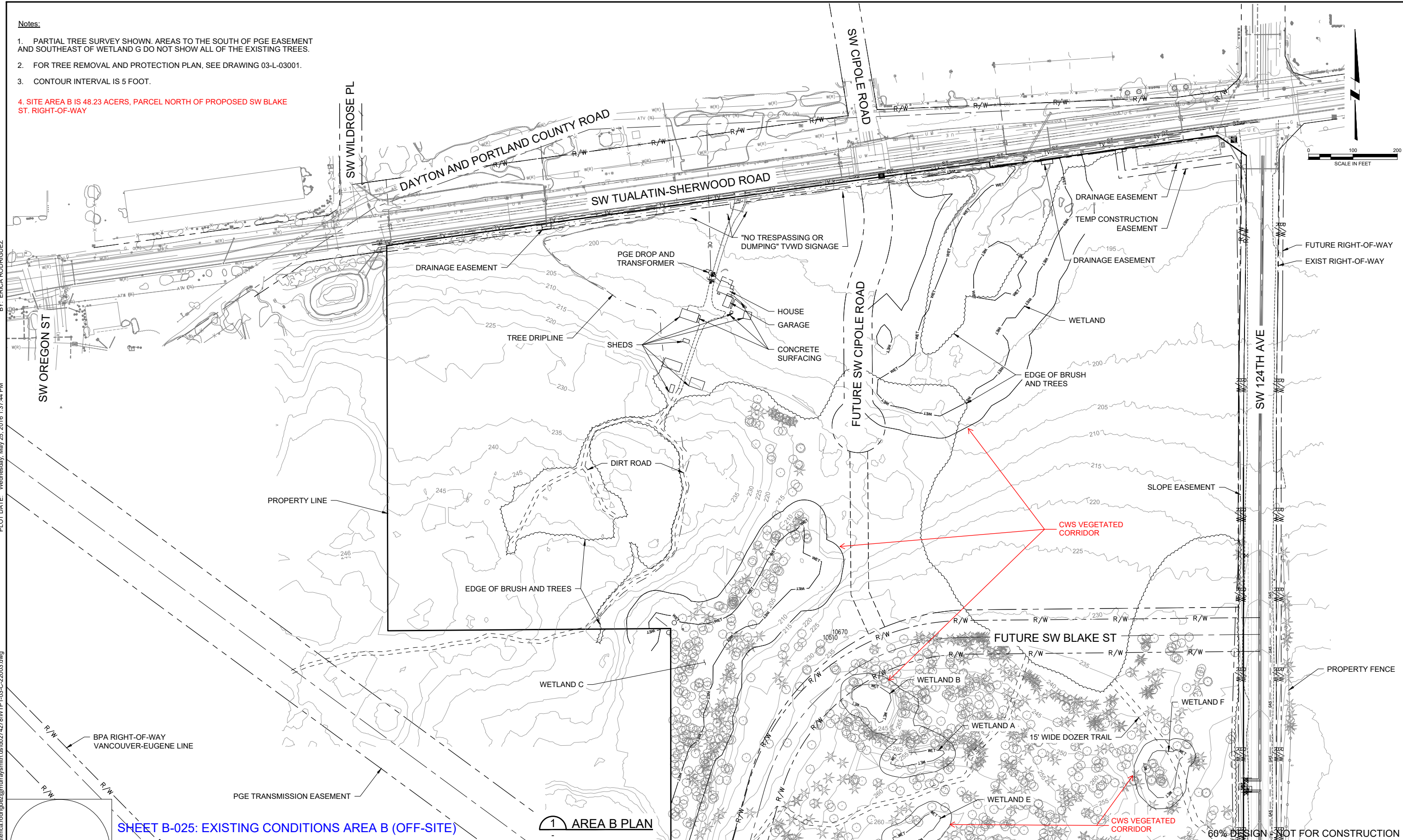
SHEET	DWG	03-C-22003
DATE	AUG 2020	
PROJ	WTP_1.0	

BY: ERICA RODRIGUEZ
 PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
 DWG FILE: C:\cdm\erica.rodriguez@murraysmith.us\d0274278\WTP1-03-C-22003.dwg

FOR LAND USE PERMITTING (EXHIBIT A)

Notes:

- PARTIAL TREE SURVEY SHOWN. AREAS TO THE SOUTH OF PGE EASEMENT AND SOUTHEAST OF WETLAND G DO NOT SHOW ALL OF THE EXISTING TREES.
- FOR TREE REMOVAL AND PROTECTION PLAN, SEE DRAWING 03-L-03001.
- CONTOUR INTERVAL IS 5 FOOT.
- SITE AREA B IS 48.23 ACERS, PARCEL NORTH OF PROPOSED SW BLAKE ST. RIGHT-OF-WAY



SHEET B-025: EXISTING CONDITIONS AREA B (OFF-SITE)

1 AREA B PLAN

60% DESIGN - NOT FOR CONSTRUCTION

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

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
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SCALES ACCORDINGLY.



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WATER TREATMENT PLANT_1.0

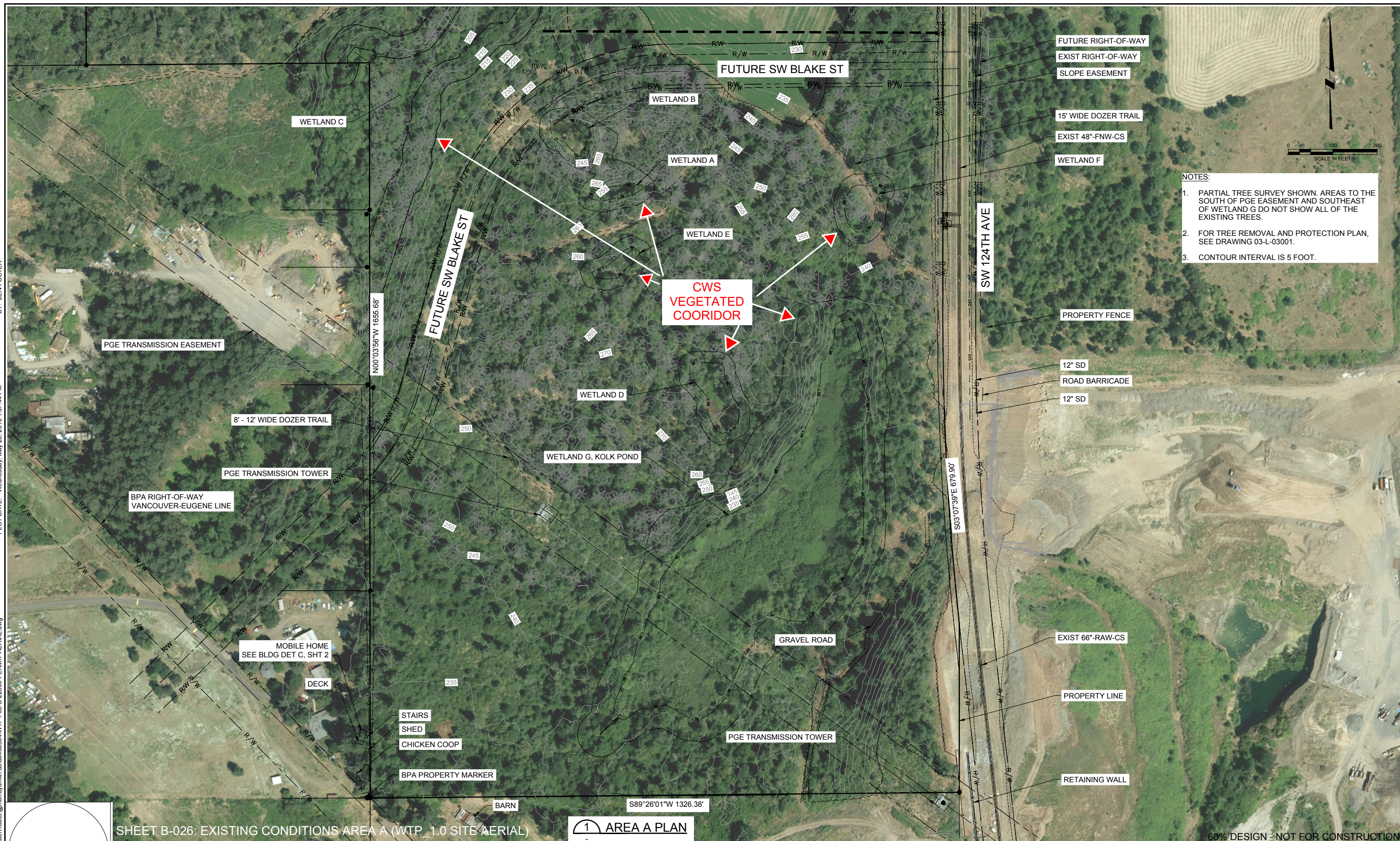
CDM Smith
1220 SW Morrison Street, Suite 200
Portland, OR 97205
Tel: (503) 232-1800

SITE
CIVIL
EXISTING CONDITIONS AREA B

SHEET	DWG	04-C-22001
DATE	AUG 2020	
PROJ	WTP_1.0	

BY: ERICA RODRIGUEZ
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
DWG FILE: C:\cdm\erica.rodriguez@murraysmith.usa\02742781WTP1-03-C-22003.dwg

FOR LAND USE PERMITTING (EXHIBIT A)



- NOTES:**
- PARTIAL TREE SURVEY SHOWN. AREAS TO THE SOUTH OF PGE EASEMENT AND SOUTHEAST OF WETLAND G DO NOT SHOW ALL OF THE EXISTING TREES.
 - FOR TREE REMOVAL AND PROTECTION PLAN, SEE DRAWING 03-L-03001.
 - CONTOUR INTERVAL IS 5 FOOT.

SHEET B-026: EXISTING CONDITIONS AREA A (WTP_1.0 SITE AERIAL) **1** AREA A PLAN

60% DESIGN - NOT FOR CONSTRUCTION

BY: BEN FOSTER
PLOT DATE: Wednesday, May 25, 2016 1:37:44 PM
DWG FILE: C:\csm\ben.foster@murraysmith.us\04\38554\WTP1-03-C-22003-PERMIT-AERIAL.dwg

DSGN	B FOSTER				
DR	M ESTEP				
CHK	NA				
APVD	NA	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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CDM Smith
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Portland, OR 97235
Tel: (503) 232-1800

SITE CIVIL
EXISTING CONDITIONS (AERIAL) - AREA A

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

PLOT DATE AND TIME: 2/3/2020 5:10:59 PM

FOR LAND USE PERMITTING (EXHIBIT A)

- NOTES:**
- PARTIAL TREE SURVEY SHOWN. AREAS TO THE SOUTH OF PGE EASEMENT AND SOUTHEAST OF WETLAND G DO NOT SHOW ALL OF THE EXISTING TREES.
 - FOR TREE REMOVAL AND PROTECTION PLAN, SEE DRAWING 03-L-03001.
 - CONTOUR INTERVAL IS 5 FOOT.



SHEET B-027: EXISTING CONDITIONS AREA B (OFF-SITE AERIAL) 1 AREA B PLAN

DSGN	B FOSTER				
DR	M ESTEP				
CHK	NA				
APVD	NA	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
 CIVIL
 EXISTING CONDITIONS (AERIAL) - AREA B

SHEET	04-C-22001A
DATE	AUG 2020
PROJ	WTP_1.0

DWG FILE: C:\csm\ben.foster@murraysmith.us\04\38554\WTP1-03-C-22003-PERMIT-AERIAL.dwg
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 BY: BEN FOSTER

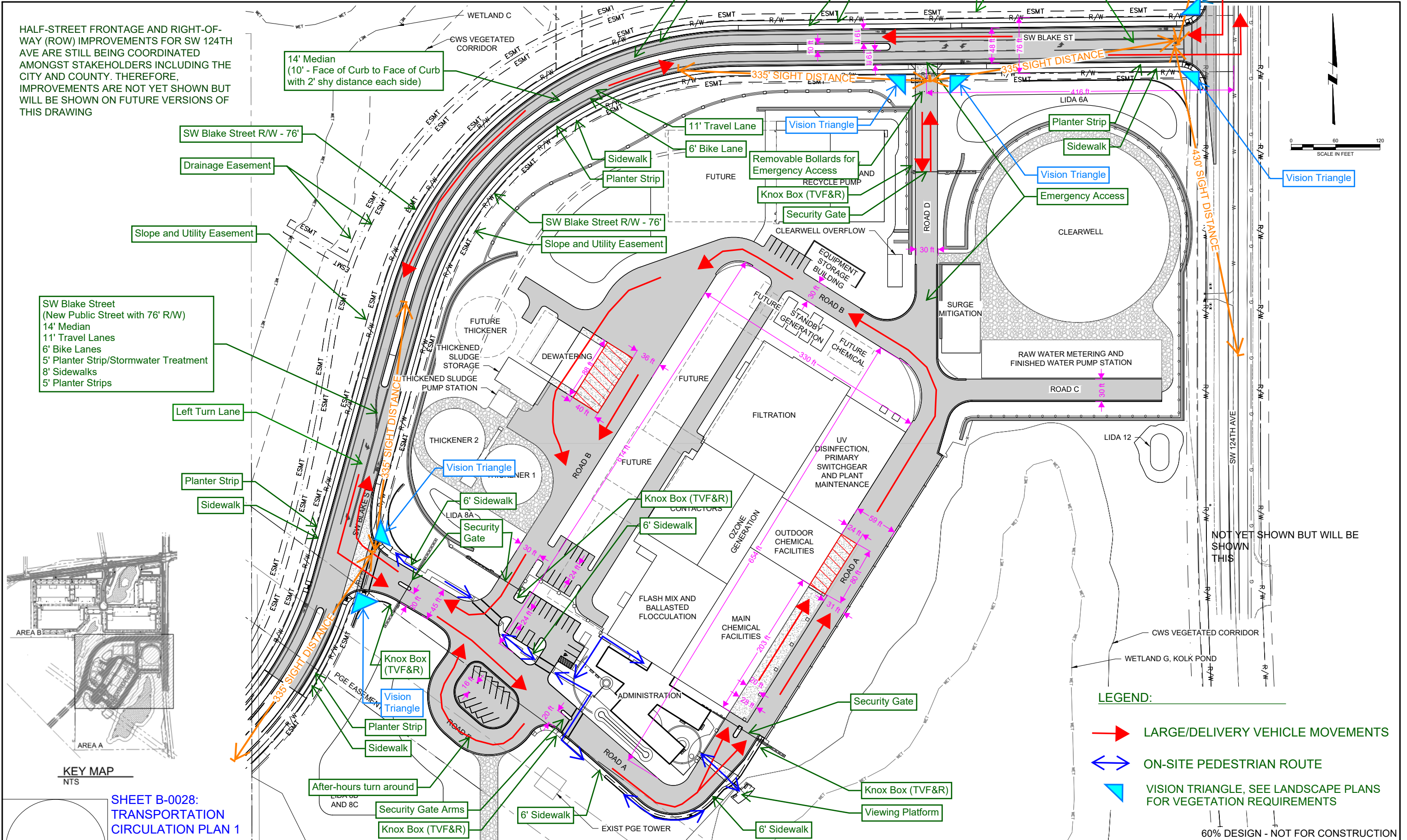
60% DESIGN NOT FOR CONSTRUCTION

PLOT DATE AND TIME: 2/3/2020 5:10:59 PM

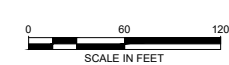
FOR LAND USE PERMITTING (EXHIBIT A)

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-C-22002-Transportation_Circulation.dwg



SW Blake Street
(New Public Street with 76' R/W)
14' Median
11' Travel Lanes
6' Bike Lanes
5' Planter Strip/Stormwater Treatment
8' Sidewalks
5' Planter Strips



- LEGEND:**
- ➔ LARGE/DELIVERY VEHICLE MOVEMENTS
 - ↔ ON-SITE PEDESTRIAN ROUTE
 - ▲ VISION TRIANGLE, SEE LANDSCAPE PLANS FOR VEGETATION REQUIREMENTS

KEY MAP
NTS

SHEET B-0028:
TRANSPORTATION
CIRCULATION PLAN 1

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

VERIFY SCALE
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SCALES ACCORDINGLY.

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

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

SITE CIVIL		SHEET	FIGURE TC1
TRANSPORTATION/CIRCULATION PLAN		DWG	03-C-22002-TC1
		DATE	AUG 2020
		PROJ	WTP_1.0

PLOT DATE AND TIME: 8/20/2020 6:15:39 PM

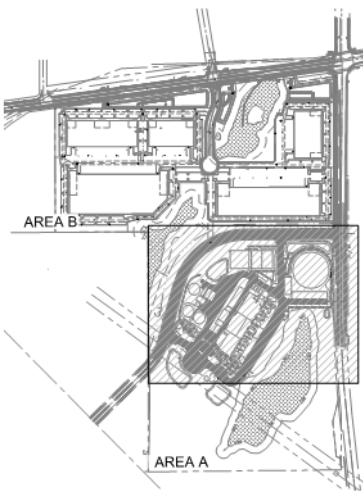
FOR LAND USE PERMITTING (EXHIBIT A)

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

**10' x 20' screened trash and recycling enclosure to be minimum 6' high with CMU side walls and concrete back (East wall) and full-width chain link gates.

SW Blake Street
(New Public Street with 76' R/W)
14' Median
11' Travel Lanes
6' Bike Lanes
8' Sidewalks
5' Planter Strips

High-Volume Commercial Driveway



SHEET B-0029:
TRANSPORTATION
CIRCULATION PLAN 2

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

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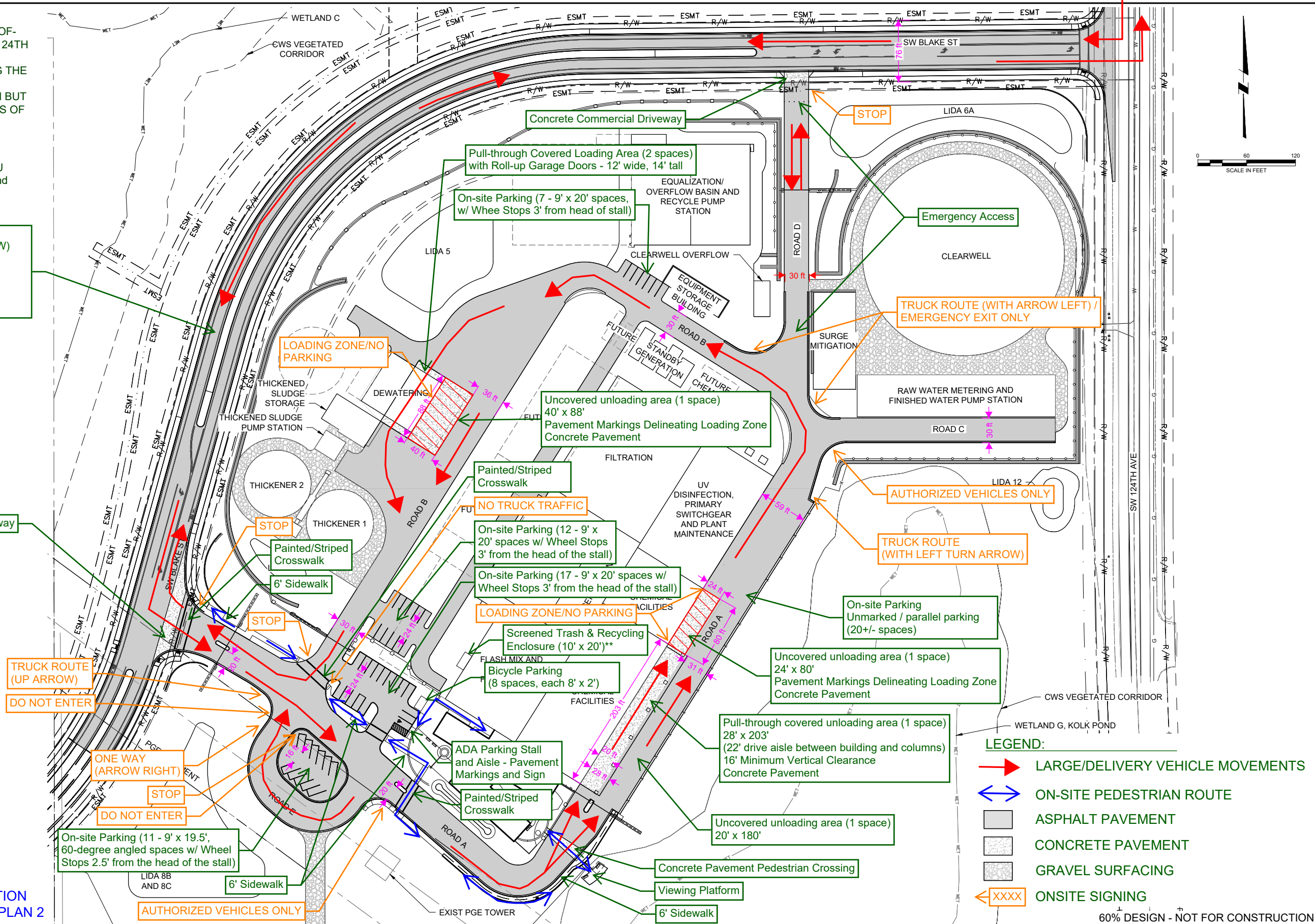
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WATER TREATMENT PLANT_1.0

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SITE
CIVIL
TRANSPORTATION/CIRCULATION PLAN

SHEET	FIGURE TC2
DWG	03-C-22002-TC2
DATE	AUG 2020
PROJ	WTP_1.0

PLOT DATE AND TIME: 8/20/2020 6:15:39 PM

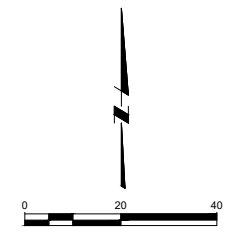
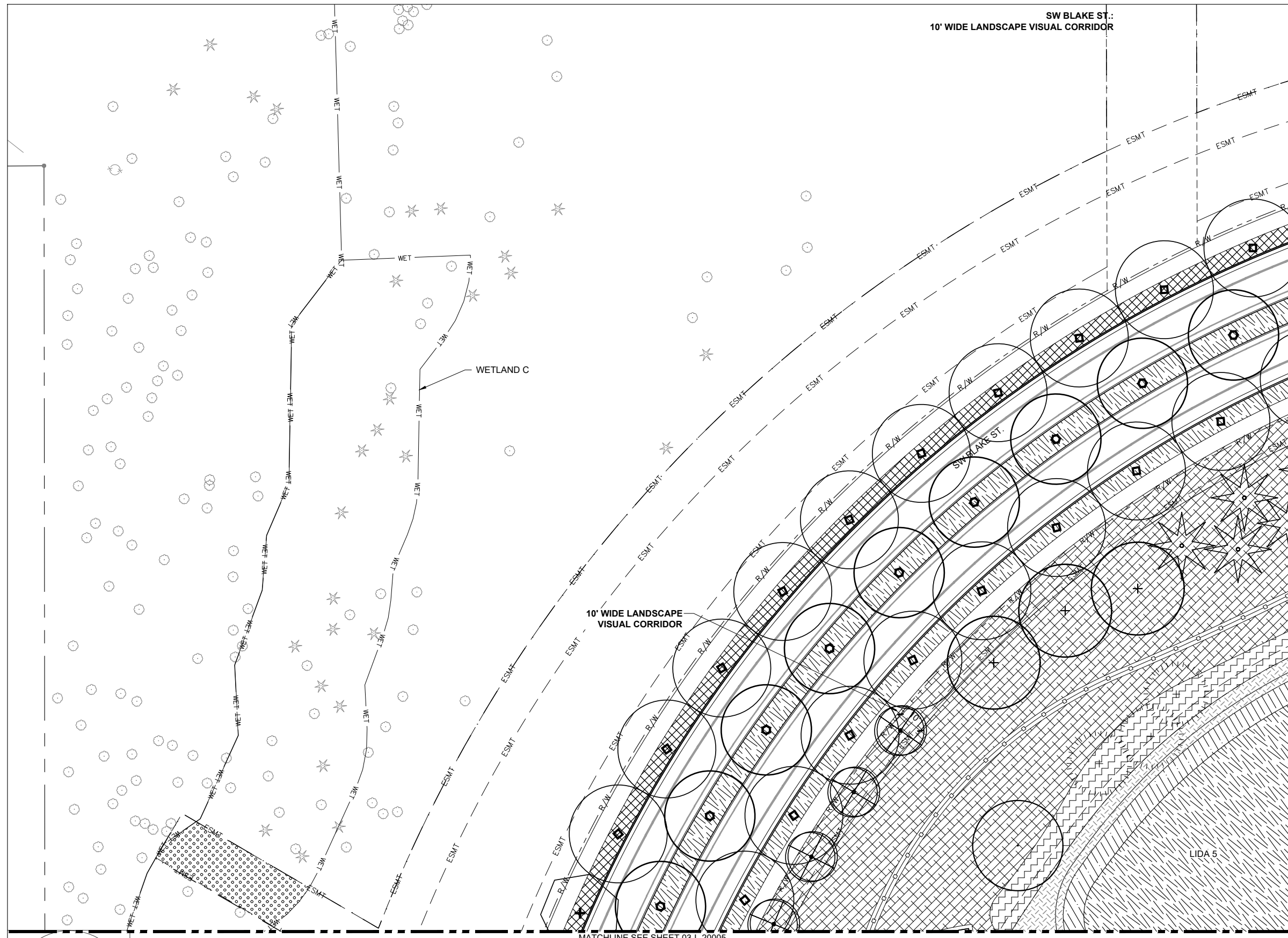


BY: CHRIS JAIN

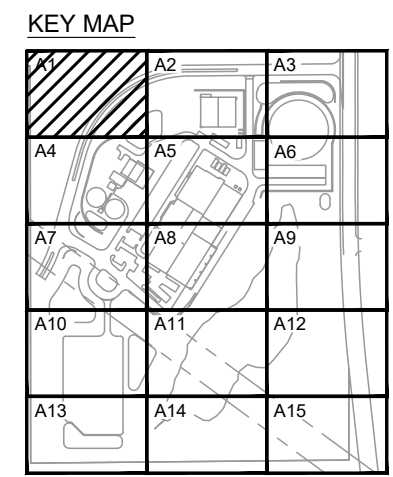
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FOR LAND USE PERMITTING (EXHIBIT A)



- SHEET NOTES:**
- SEE SHEET 03-L-22013 AND 03-L-22014 FOR PLANT LEGEND AND NOTES.



90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-031: PLANTING PLAN AREA A1

PLAN
SCALE: 1" = 20'-0"

DSGN	STOECKLEIN				
DR	STOECKLEIN				
CHK	D WALTERS				
APVD	M FAHA	NO.	DATE	REVISION	BY

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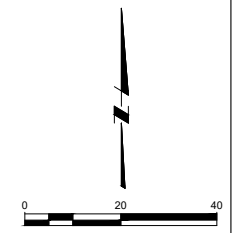
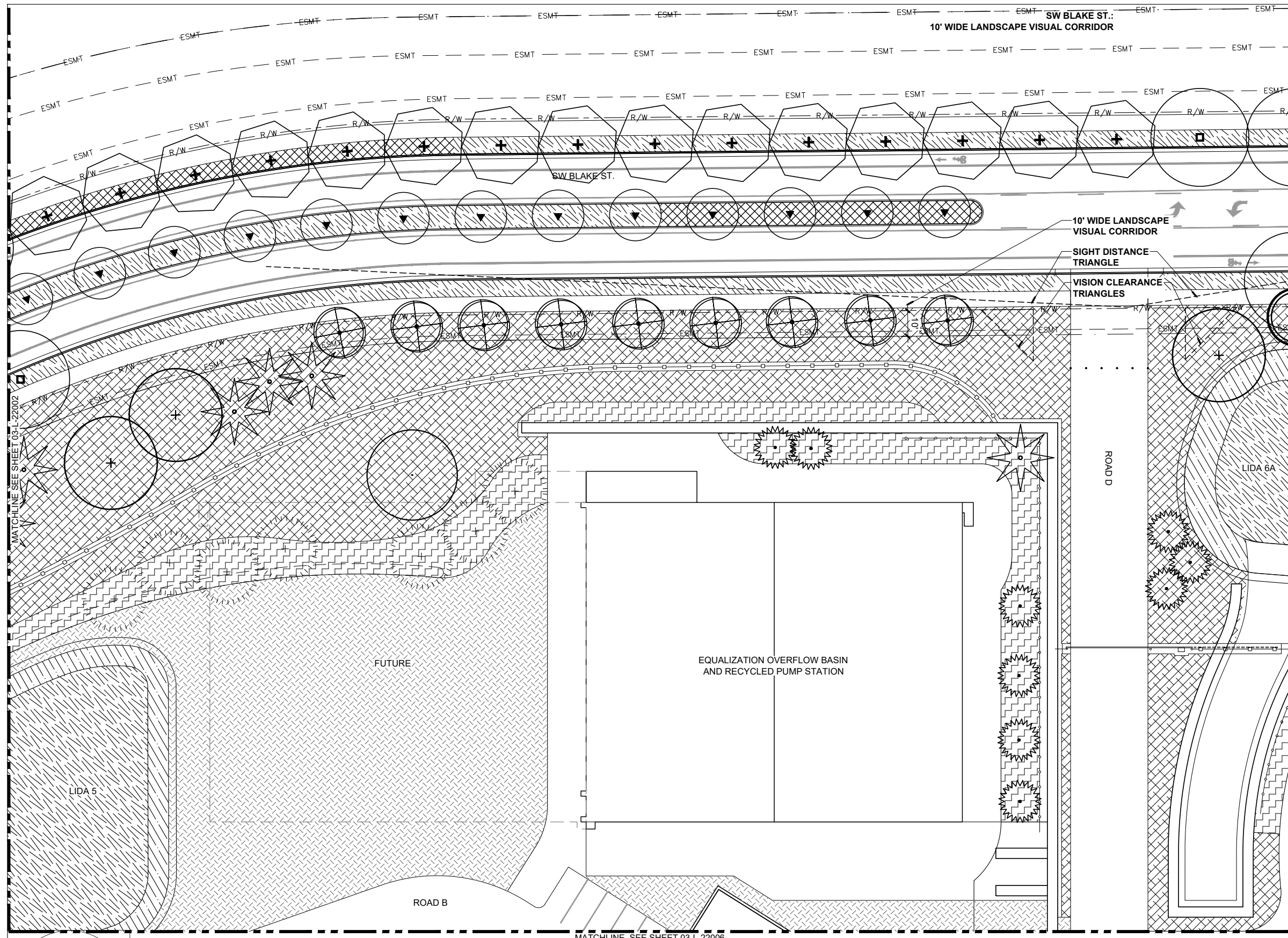
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SITE
LANDSCAPE ARCHITECTURE
PLANTING PLAN A1

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

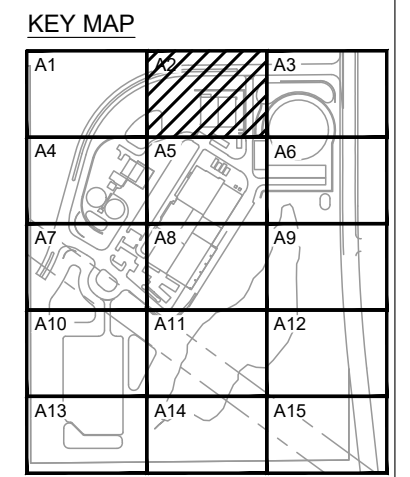
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FOR LAND USE PERMITTING (EXHIBIT A)



SHEET NOTES:

- SEE SHEET 03-L-22013 AND 03-L-22014 FOR PLANT LEGEND AND NOTES.



90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-032: PLANTING PLAN AREA A2

PLAN
SCALE: 1" = 20'-0"

DSGN	STOECKLEIN					
DR	STOECKLEIN					
CHK	D WALTERS					
APVD	M FAHA	NO.	DATE	REVISION	BY	APVD

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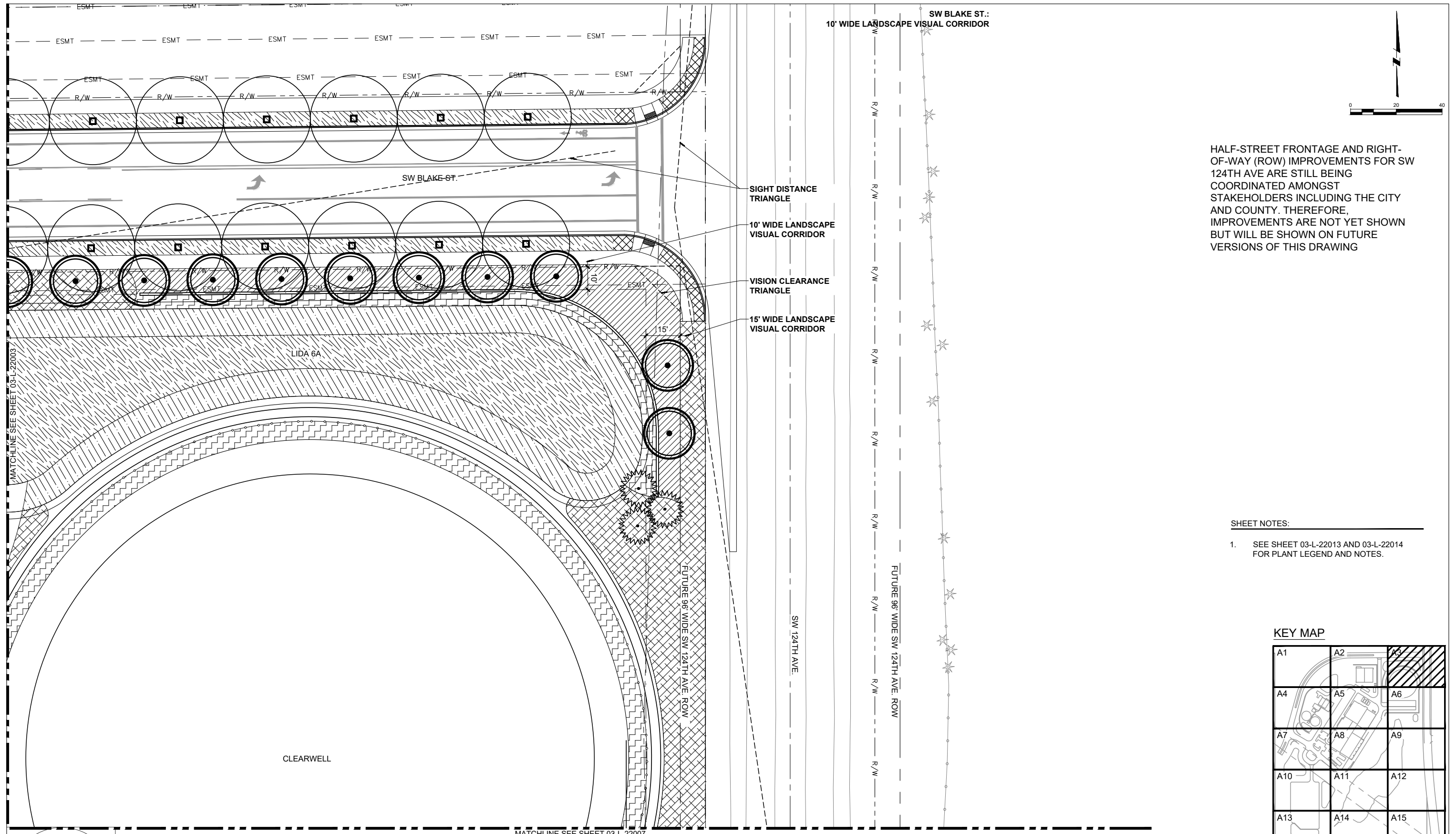
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SITE
LANDSCAPE ARCHITECTURE
PLANTING PLAN A2

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

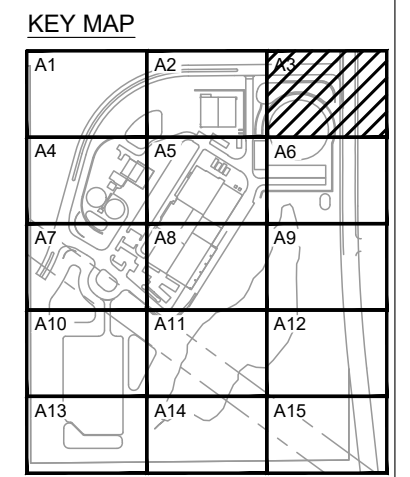
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FOR LAND USE PERMITTING (EXHIBIT A)



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- SHEET NOTES:**
- SEE SHEET 03-L-22013 AND 03-L-22014 FOR PLANT LEGEND AND NOTES.



90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-033: PLANTING PLAN AREA A3

PLAN
SCALE: 1" = 20'-0"

DSGN	STOECKLEIN				
DR	STOECKLEIN				
CHK	D WALTERS				
APVD	M FAHA	NO.	DATE	REVISION	BY

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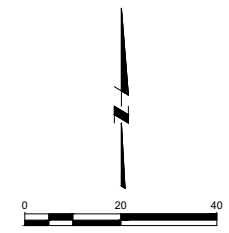
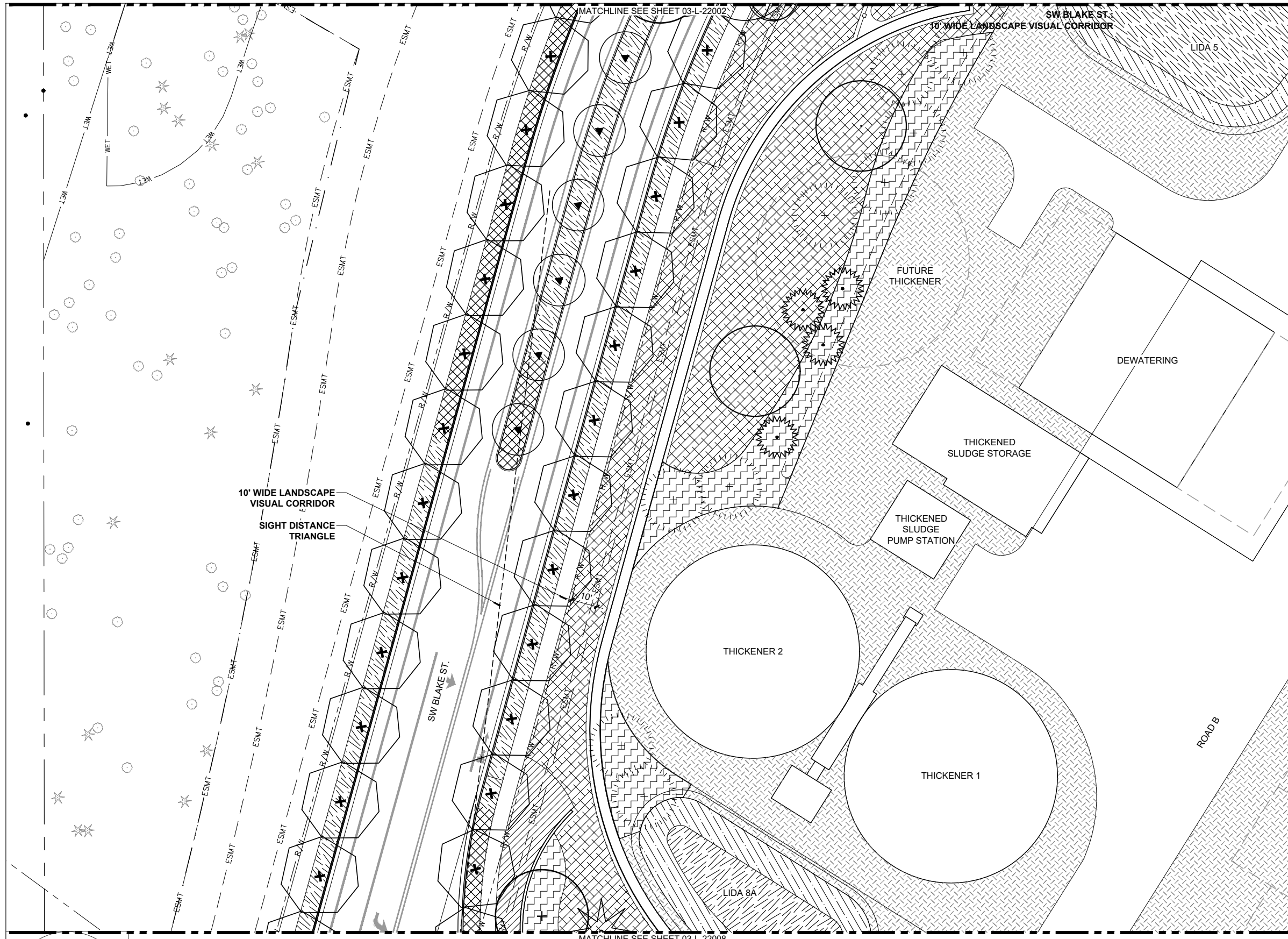
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SITE
LANDSCAPE ARCHITECTURE
PLANTING PLAN A3

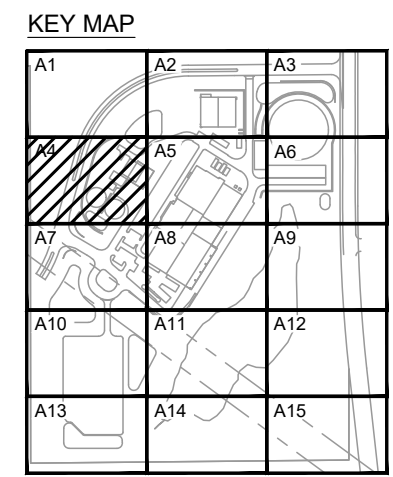
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DATE	AUG 2020	
PROJ	WTP_1.0	

PLOT DATE AND TIME: 8/21/2020 1:10 PM

FOR LAND USE PERMITTING (EXHIBIT A)



- SHEET NOTES:**
- SEE SHEET 03-L-22013 AND 03-L-22014 FOR PLANT LEGEND AND NOTES.



90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-034: PLANTING PLAN AREA A4

PLAN
SCALE: 1" = 20'-0"

DSGN	STOECKLEIN					
DR	STOECKLEIN					
CHK	D WALTERS					
APVD	M FAHA	NO.	DATE	REVISION	BY	APVD

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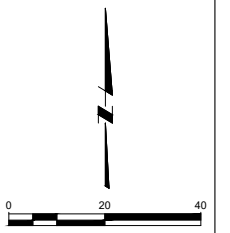
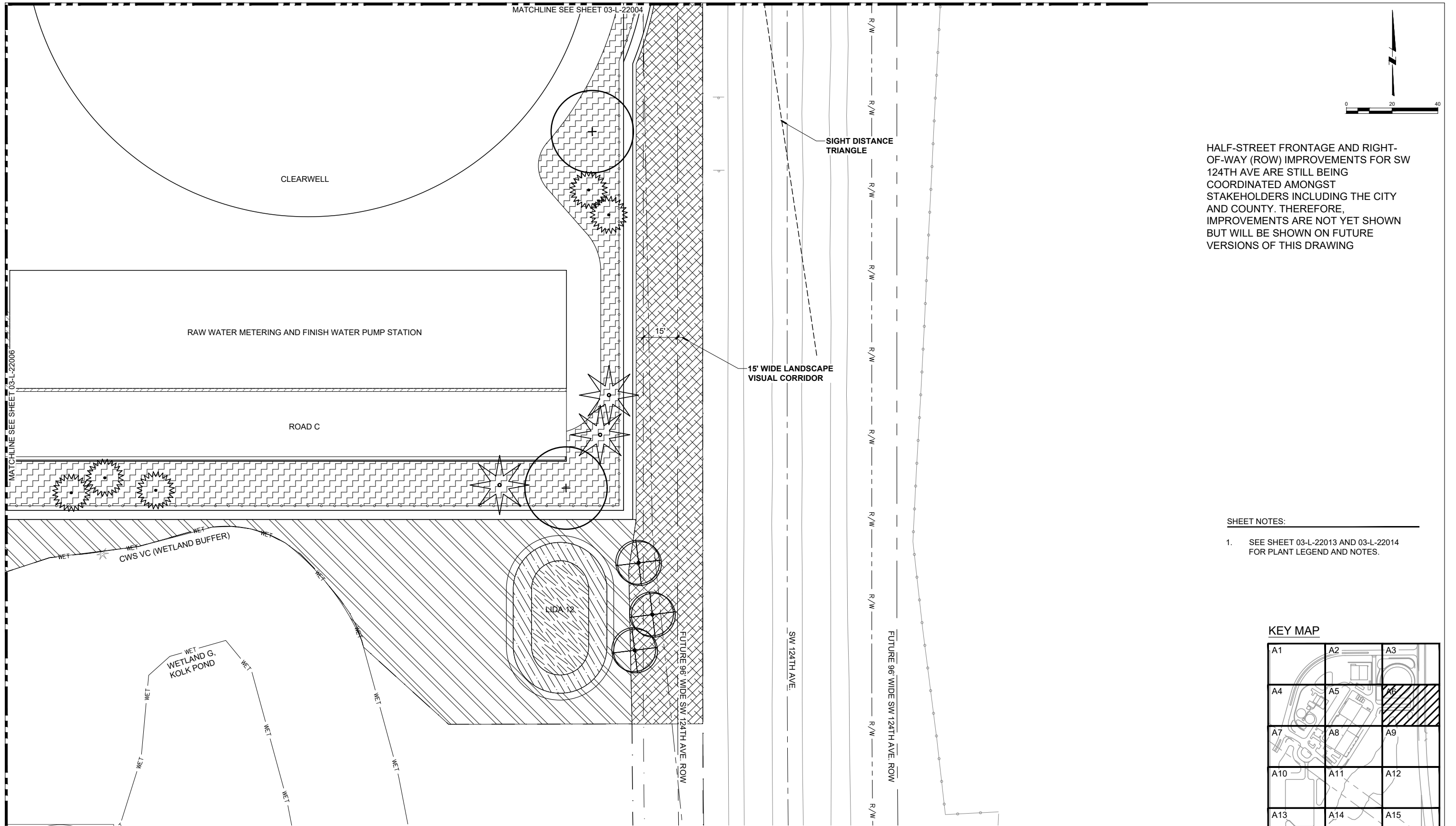
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SITE
LANDSCAPE ARCHITECTURE
PLANTING PLAN A4

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

PLOT DATE AND TIME: 8/21/2020 1:10 PM

FOR LAND USE PERMITTING (EXHIBIT A)

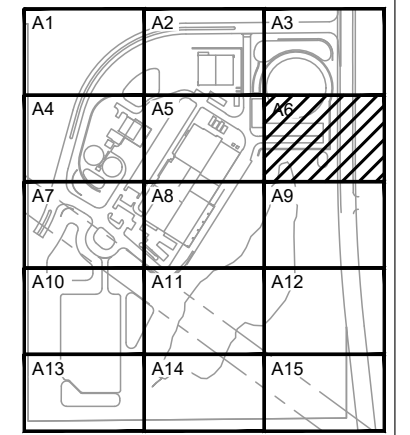


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SHEET NOTES:

- SEE SHEET 03-L-22013 AND 03-L-22014 FOR PLANT LEGEND AND NOTES.

KEY MAP



90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-036: PLANTING PLAN AREA A6

PLAN
SCALE: 1" = 20'-0"

DSGN	STOECKLEIN					
DR	STOECKLEIN					
CHK	D WALTERS					
APVD	M FAHA	NO.	DATE	REVISION	BY	APVD

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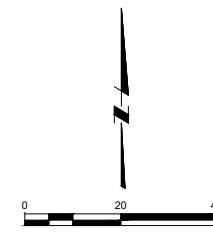
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SITE
LANDSCAPE ARCHITECTURE
PLANTING PLAN A6

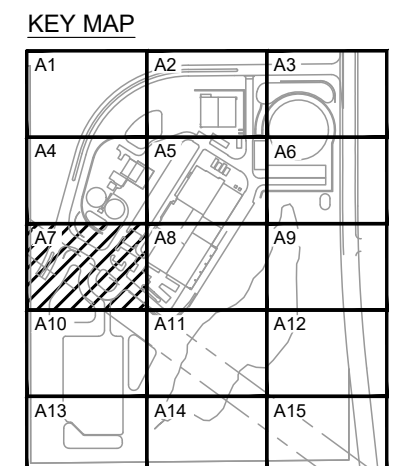
SHEET	DWG #	03-L-22007
DATE	AUG 2020	
PROJ	WTP_1.0	

FOR LAND USE PERMITTING (EXHIBIT A)



SHEET NOTES:

- SEE SHEET 03-L-22013 AND 03-L-22014 FOR PLANT LEGEND AND NOTES.



90% DESIGN - NOT FOR CONSTRUCTION

SHEET B-037: PLANTING PLAN AREA A7

PLAN
SCALE: 1" = 20'-0"

DSGN	STOECKLEIN				
DR	STOECKLEIN				
CHK	D WALTERS				
APVD	M FAHA	NO.	DATE	REVISION	BY
					APVD

VERIFY SCALE
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SITE
LANDSCAPE ARCHITECTURE
PLANTING PLAN A7

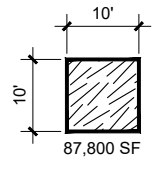
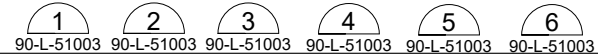
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DATE	AUG 2020
PROJ	WTP_1.0

PLOT DATE AND TIME: 8/21/2020 1:10 PM

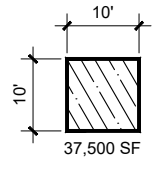
FOR LAND USE PERMITTING (EXHIBIT A)

PLANTING SCHEDULE

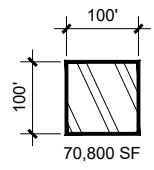
WATER QUALITY, RESTORATION PLANTING AND SEED AREAS



BOTANICAL NAME	COMMON NAME	SIZE & TYPE
WATER QUALITY TREATMENT AREA PLANTING		
CAREX Densa	DENSE SEDGE	1" PLUG
CAREX OBNUPTA	SLOUGH SEDGE	1" PLUG
JUNCUS EFFUSUS VAR. PACIFICUS	SOFT RUSH	1" PLUG
JUNCUS PATENS	CALIFORNIA GRAY RUSH	1" PLUG
SCIRPUS MICROCARPUS	SMALL-FRUITED BULLRUSH	1" PLUG

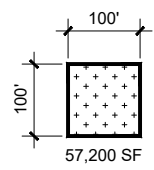


BOTANICAL NAME	COMMON NAME	SIZE & TYPE
WATER QUALITY SIDE SLOPE PLANTING		
CORNUS SERICEA	RED-OSIER DOGWOOD	2 GAL CONT
PHILADELPHUS LEWISII	MOCK ORANGE	2 GAL CONT
ROSA PISOCARPA	SWAMP ROSE	1 GAL CONT
SPIRAEA DOUGLASII	DOUGLAS' SPIRAEA	1 GAL CONT
SYMPHORICARPOS ALBUS	SNOWBERRY	1 GAL CONT
APPLY SUNMARK SEEDS NATIVE RIPARIAN SEED MIX TO ACHIEVE FULL COVERAGE 1 LB/1,000 SF		

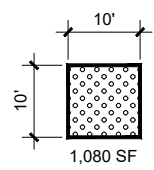


BOTANICAL NAME	COMMON NAME	SIZE & TYPE
HABITAT RESTORATION PLANTING		
TREES		
ACER CIRCINATUM	VINE MAPLE	2 GAL CONT
ACER MACROPHYLLUM	BIGLEAF MAPLE	2 GAL CONT
AMELANCHIER X GRANDIFLORA	APPLE SERVICEBERRY	2 GAL CONT
ARBUTUS MENZIESII	PACIFIC MADRONE	2 GAL CONT
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	2 GAL CONT
QUERCUS GARRYANA	OREGON OAK	2 GAL CONT
RHAMNUS PURSHIANA	CASCARA	2 GAL CONT

BOTANICAL NAME	COMMON NAME	SIZE & TYPE
SHRUBS		
HOLODISCUS DISCOLOR	OCEANSPRAY	1 GAL CONT.
MAHONIA AQUIFOLIUM	OREGON GRAPE	1 GAL CONT.
RIBES SANGUINEUM	RED-FLOWERING CURRANT	2 GAL CONT.
ROSA NUTKANA	NOOTKA ROSE	2 GAL CONT.
SYMPHORICARPOS ALBUS	SNOWBERRY	1 GAL CONT.
VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	2 GAL CONT.
APPLY SUNMARK SEEDS NATIVE MEADOW MIX TO ACHIEVE FULL COVERAGE 1 LB/1,000 SF		



BOTANICAL NAME	COMMON NAME	SIZE & TYPE
PGE CORRIDOR RESTORATION PLANTING		
HOLODISCUS DISCOLOR	OCEANSPRAY	1 GAL CONT.
MAHONIA AQUIFOLIUM	OREGON GRAPE	1 GAL CONT.
RIBES SANGUINEUM	RED-FLOWERING CURRANT	2 GAL CONT.
ROSA NUTKANA	NOOTKA ROSE	2 GAL CONT.
SYMPHORICARPOS ALBUS	SNOWBERRY	1 GAL CONT.
VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	2 GAL CONT.
APPLY SUNMARK SEEDS NATIVE MEADOW MIX TO ACHIEVE FULL COVERAGE 1 LB/1,000 SF		



BOTANICAL NAME	COMMON NAME	SIZE & TYPE	# PER PLOT	SPACING	TOTAL QTY
WETLAND C PLANTING					
TREES					
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	2 GAL CONT., 3' MIN.	1	25' O.C.	11
SHRUBS					
HOLODISCUS DISCOLOR	OCEANSPRAY	1 GAL CONT., 1.5' MIN.	2	2.5' O.C.	22
RIBES SANGUINEUM	RED FLOWERING CURRANT	1 GAL CONT., 1.5' MIN.	2	2.5' O.C.	22
ROSA GYMNOCARPA	BALDHIP ROSE	1 GAL CONT., 1.5' MIN.	1	2.5' O.C.	11
APPLY SUNMARK SEEDS NATIVE UPLANDS MIX TO ACHIEVE FULL COVERAGE 1 LB/1,000 SF					

WATER QUALITY AND RESTORATION PLANTING NOTES

- PRIOR TO INSTALLING PLANTING SOIL, VERIFY SUBGRADE IS SET AT PROPER ELEVATIONS TO ACCOMMODATE FULL PLANTING SOIL AND MULCH DEPTHS. CONFIRM SUBGRADE MEETS ALL REQUIRED CONDITIONS INCLUDING DEBRIS AND STONE REMOVAL, COMPACTION LEVELS, SCARIFICATION, ETC.
- CONTRACTOR SHALL PROVIDE PLANTING SOIL TO ALL PLANTING AREAS TO DEPTHS SHOWN IN THE DETAILS. APPLY MULCH TO ALL PLANTING AREAS EXCEPT THE TREATMENT AREA AT A DEPTH OF 3" AND 18" DIAMETER TO ALL SHRUBS AND TREES INSTALLED.
- FOR TREATMENT AREA, DETENTION/MID-SLOPE AREA, AND FREEBOARD AREA PLANTING ZONES, TILL THE SUBGRADE TO A DEPTH OF 4". INSTALL 12 INCH DEPTH OF PLANTING SOIL. PLANTING SOIL SHALL BE A BLEND OF LOAMY SOIL, SAND AND COMPOST THAT IS 30-40% COMPOST (BY VOLUME).
- FOR UPSLOPE AND UPLAND AREA PLANTING ZONES, TILL THE SUBGRADE TO A DEPTH OF AT LEAST 4 INCHES. INCORPORATE CLEAN COMPOST WITH TOPSOIL (TO MAKE PLANTING SOIL) AND INSTALL TO A DEPTH OF 12 INCHES PER CLEAN WATER SERVICE'S STANDARDS, APPENDIX A, PLANTING REQUIREMENTS.
- ALL PLANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED AS PART OF THE CONSTRUCTION DOCUMENT PACKAGE. WATER QUALITY FACILITIES SHALL BE PLANTED PER CWS R&O 19-5 Appendix A 2.3.c-e. & 2.5a-c & 2.6b,c,d,e 2.4a-f.
- QUANTITIES ARE LISTED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL COUNTS MUST BE VERIFIED BY THE CONTRACTOR. IN THE CASE OF A DISCREPANCY BETWEEN THE LEGEND AND THE PLAN, PLANTS INDICATED ON THE PLAN SHALL SUPERCEDE QUANTITIES LISTED IN THE LEGEND.
- DEEP ROOTING TREES AND SHRUBS (E.G. WILLOW) SHALL NOT BE PLANTED ON TOP OF CONCRETE PIPES, OR WITHIN 10 FEET OF RETAINING WALLS, INLET/OUTLET STRUCTURES OR OTHER CULVERTS. ACTUAL DEPTH AND LOCATION OF UNDERGROUND OR OVERHEAD UTILITIES MAY VARY BASED ON THE PLANS. PLANTING CONFLICTS THAT ARISE IN THE FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- LARGE TREES OR SHRUBS SHALL NOT BE PLANTED ON BERMS OVER FOUR FEET TALL THAT IMPOUND WATER. SMALL TREES OR SHRUBS WITH FIBROUS ROOT SYSTEMS MAY BE INSTALLED ON BERMS THAT IMPOUND WATER AND ARE LESS THAN FOUR FEET TALL. PLANTING CONFLICTS THAT ARISE IN THE FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- ALL WATER QUALITY AND RESTORATION PLANTING AREAS TO BE SERVICED WITH TEMPORARY IRRIGATION.

PLANTING NOTES

- CONTRACTOR SHALL PROVIDE PLANTING SOIL, SOIL AMENDMENTS, AND BARK MULCH TO THE COMPOSITION AND DEPTHS IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS OF THE CONTRACT DOCUMENTS.
- ALL PLANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND THE SPECIFICATIONS PROVIDED AS PART OF THE CONTRACT DOCUMENTS.
- QUANTITIES ARE LISTED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL COUNTS MUST BE VERIFIED BY THE CONTRACTOR. IN THE CASE OF A DISCREPANCY BETWEEN THE LEGEND AND THE PLAN, PLANTS INDICATED ON THE PLAN SHALL SUPERCEDE QUANTITIES LISTED IN THE LEGEND.
- UTILITY LOCATIONS SHOWN ON PLANS MAY DIFFER FROM FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY ALL UTILITIES BEFORE INSTALLATION. CONFLICTS BETWEEN ANY EXISTING AND PROPOSED UTILITIES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- ALL EDGES BETWEEN SEEDED AND MULCH AREAS TO BE SHOVEL-CUT. SEE DETAIL 2/90-L-50009.

WETLAND C VEGETATED CORRIDOR PLANTING RATE CALCULATION

PLANT COMMUNITY	PLANT TYPE	PLANTING AREA (SF)	PLANTING DENSITY (# PER SF)	PLANT QTY.	# OF SPECIES
UPLAND FOREST	TREES	1,080	0.010	11	1
UPLAND FOREST	SHRUBS	1,080	0.050	54	3

SHEET B-043: PLANTING LEGEND AND NOTES 2

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	STOECKLEIN				
DR	STOECKLEIN				
CHK	D WALTERS				
APVD	M FAHA	NO.	DATE	REVISION	BY

VERIFY SCALE
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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



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Landscape Architecture
Environmental Design
24 NW 2nd Avenue, Suite 100
Portland, Oregon 97209
Ph: 503.222.5815 / F: 503.222.2283
Email: info@greenworkspc.com



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

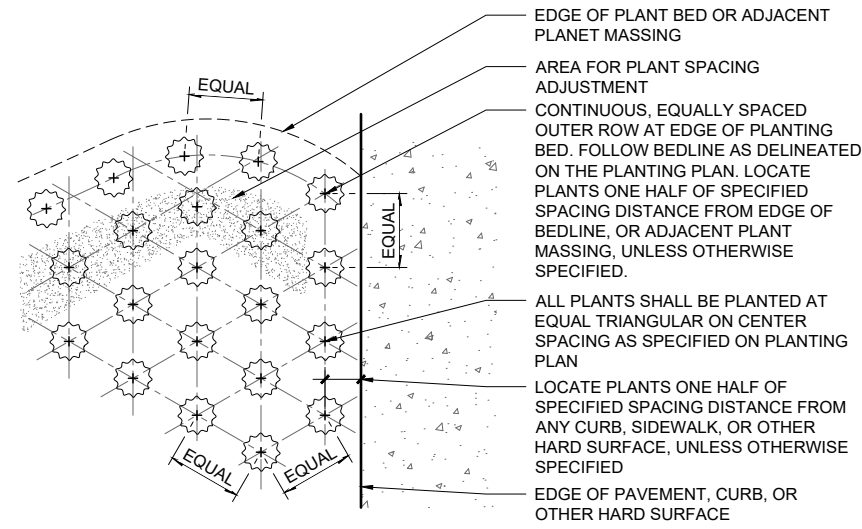
CDM Smith
1220 SW Morrison Street, Suite 200
Portland, OR 97205
Tel: (503) 232-1800

SITE
LANDSCAPE ARCHITECTURE
PLANTING LEGEND AND NOTES 2

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

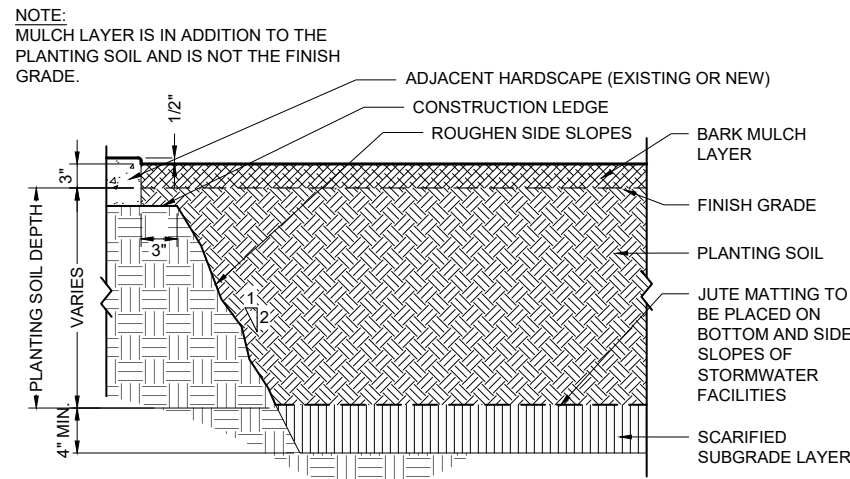
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FOR LAND USE PERMITTING (EXHIBIT A)



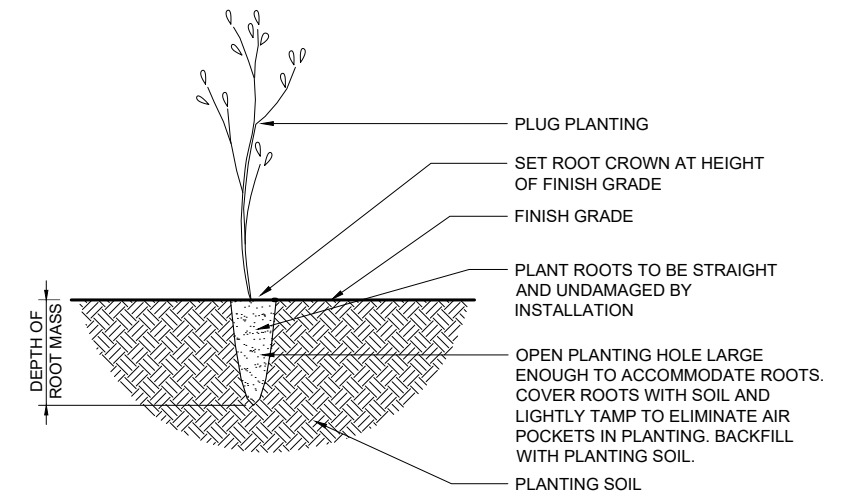
PLANTING DIAGRAM
NOT TO SCALE

1



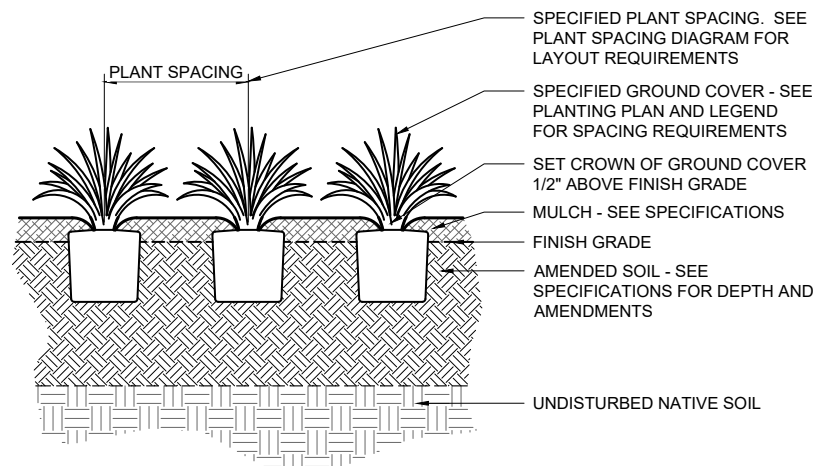
PLANTING SOIL
NOT TO SCALE

2



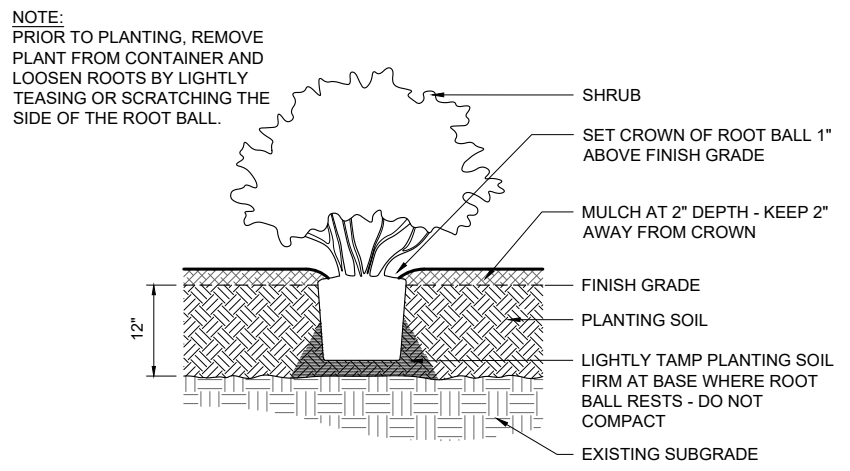
PLUG PLANTING
NOT TO SCALE

3



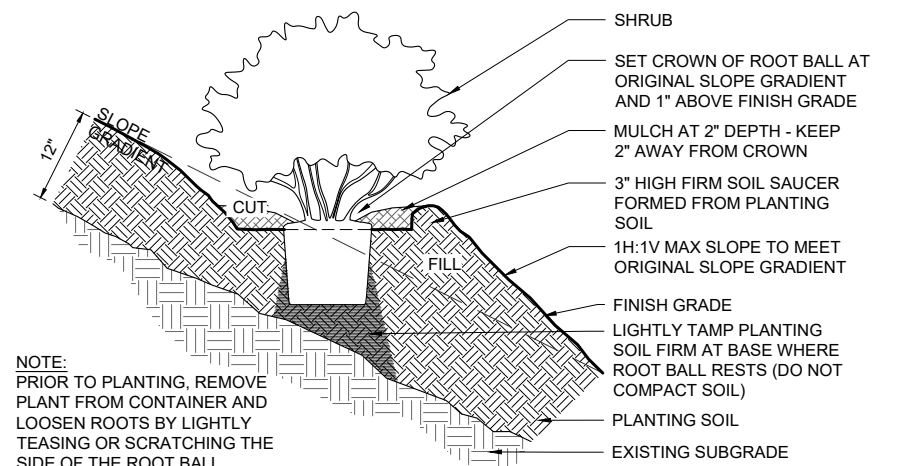
GROUND COVER PLANTING
NOT TO SCALE

4



SHRUB PLANTING - CONTAINER
NOT TO SCALE

5

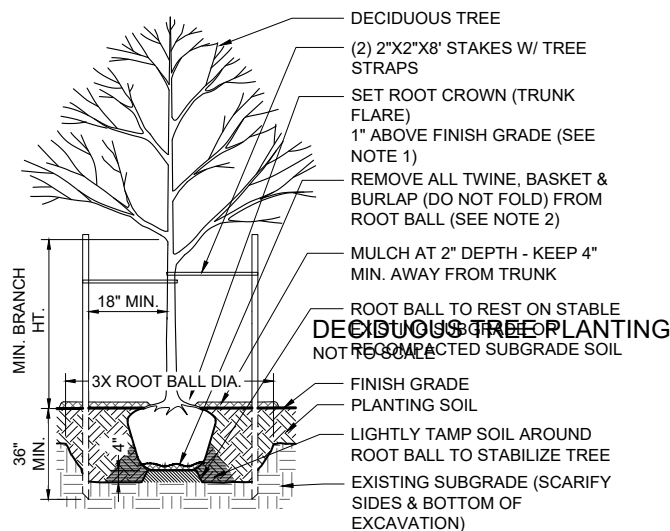


SHRUB PLANTING ON SLOPE
NOT TO SCALE

6

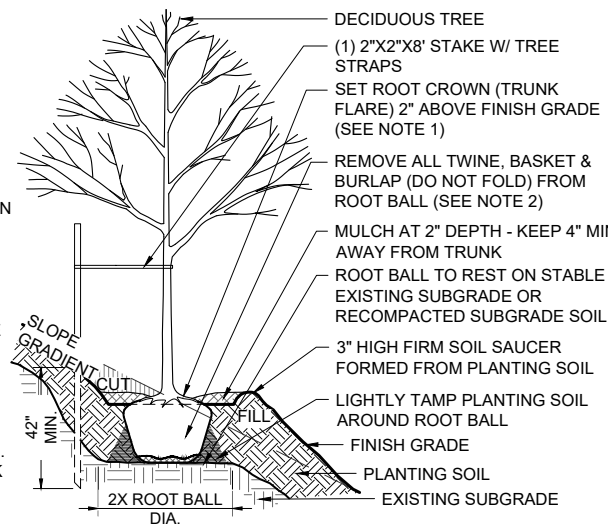
NOTES:

1. ROOT CROWN TO BE VISIBLE BEFORE TREE IS SET. REMOVE TOP OF ROOT BALL MEDIA TO LOCATE IF NEEDED.
2. BURLAP, TWINE, & METAL BASKET TO BE CUT AND REMOVED ENTIRELY DOWN TO BASE OF ROOT BALL AFTER TREE IS SET (MATERIAL ON BOTTOM CAN REMAIN). IF ROOT BALL IS UNSTABLE OR BREAKING, ONLY REMOVE THE TOP 12" OF BURLAP.
3. STAKING TO REMAIN NO MORE THAN TWO YEARS UNLESS TREE REQUIRES LONGER STAKING PERIOD. MAINTAIN 2" STRAP SLACK AROUND TRUNK.



NOTES:

1. ROOT CROWN TO BE VISIBLE BEFORE TREE IS SET. REMOVE TOP OF ROOT BALL MEDIA TO LOCATE IF NEEDED.
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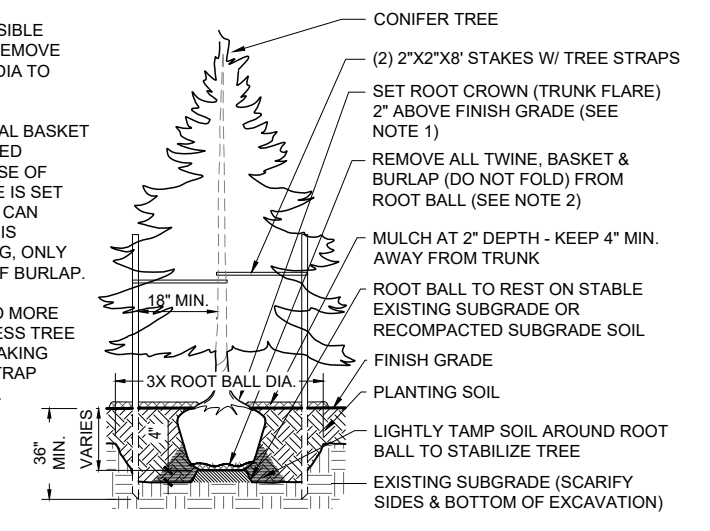


DECIDUOUS TREE PLANTING ON SLOPE
NOT TO SCALE

8

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CONIFER TREE PLANTING
NOT TO SCALE

9

SHEET B-044: PLANTING DETAILS 1

DSGN	STOECKLEIN					
DR	STOECKLEIN					
CHK	D WALTERS					
APVD	M FAHA	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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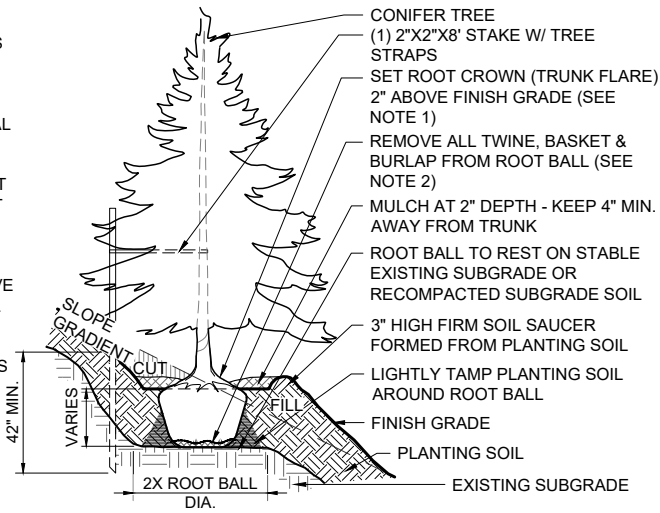
STANDARD DETAILS
LANDSCAPE ARCHITECTURE
PLANTING DETAILS 1

SHEET	DWG # 90-L-51003
DATE	AUG 2020
PROJ	WTP_1.0

FOR LAND USE PERMITTING (EXHIBIT A)

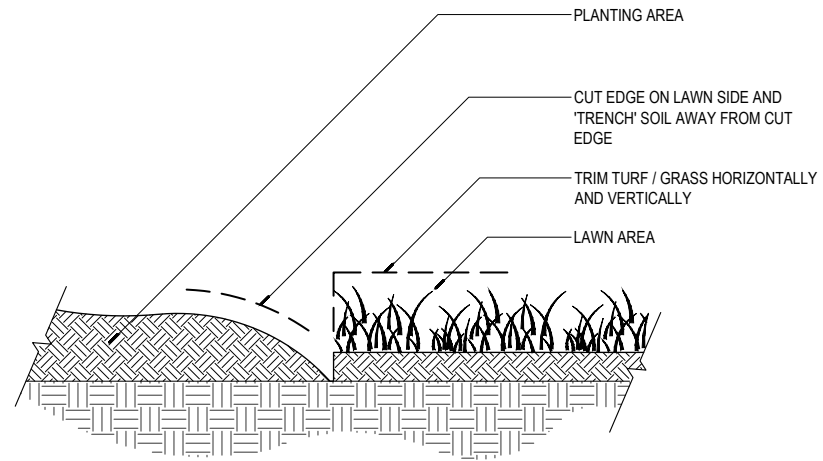
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CONIFER TREE PLANTING ON SLOPE
NOT TO SCALE

1



SHOVEL-CUT EDGE
NOT TO SCALE

2

SHEET B-045: PLANTING DETAILS 2

90% DESIGN - NOT FOR CONSTRUCTION

DSGN	STOECKLEIN					
DR	STOECKLEIN					
CHK	D WALTERS					
APVD	M FAHA	NO.	DATE	REVISION	BY	APVD

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



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STANDARD DETAILS
LANDSCAPE ARCHITECTURE
PLANTING DETAILS 2

SHEET
DWG # 90-L-51004
DATE AUG 2020
PROJ WTP_1.0

PLOT DATE AND TIME: 8/21/2020 1:10 PM