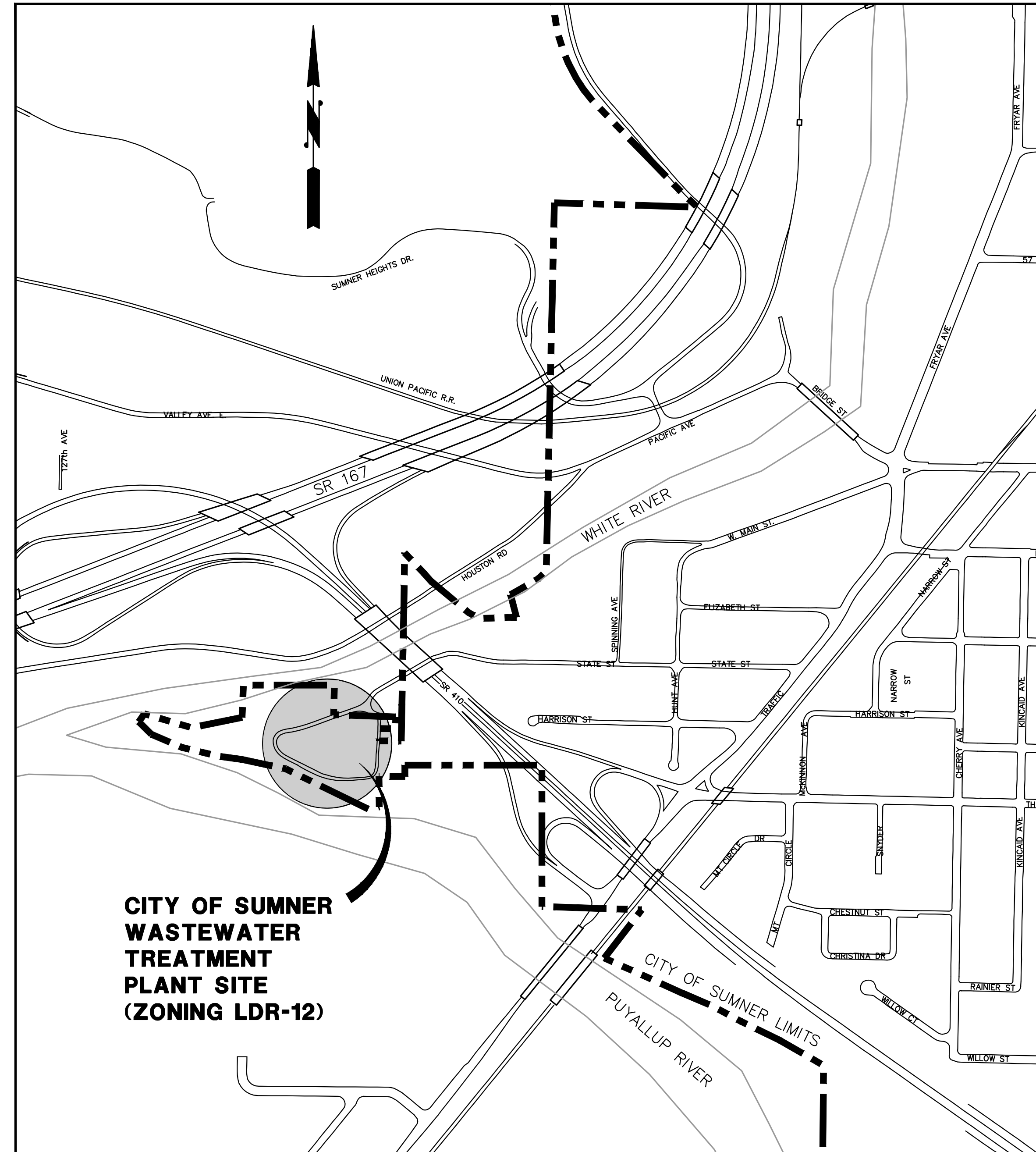
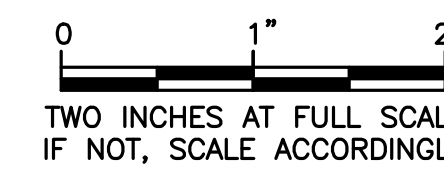


VICINITY MAP
NOT TO SCALE



**CITY OF SUMNER
WASTEWATER
TREATMENT
PLANT SITE
(ZONING LDR-12)**

LOCATION MAP
SCALE 1"=400'



APPROVED
BY: _____ DATE _____
CITY OF SUMNER

Gray & Osborne, Inc.
CONSULTING ENGINEERS
701 DEWEY AVENUE NORTH, SUITE 200
SEATTLE, WASHINGTON 98109 • (206) 264-0860

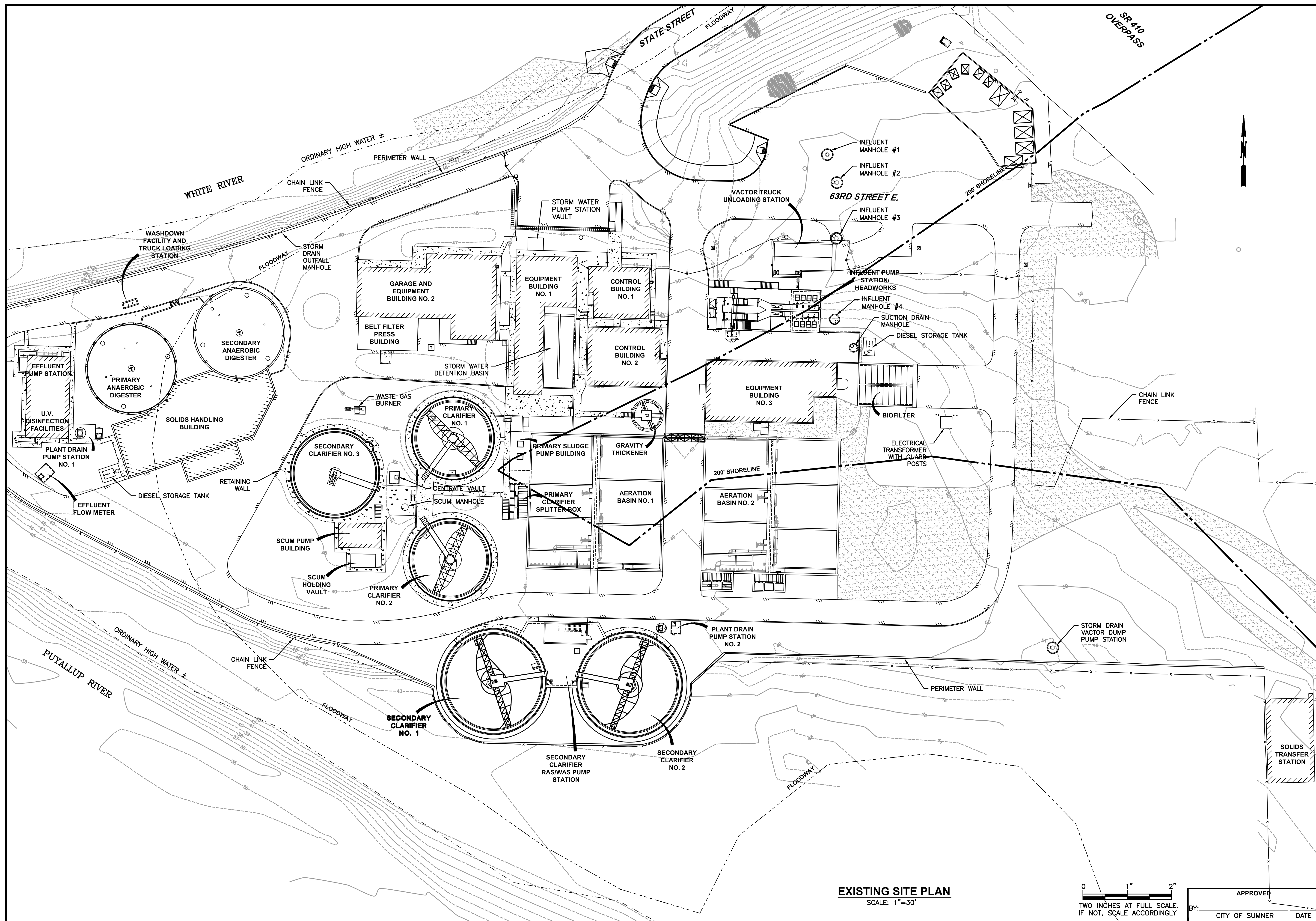
DATE: JUL 2013	SCALE: NOTED	DRAWN: CRR	CHECKED:	APPROVED:
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No.	REVISION	DATE	APPD
	PRELIMINARY NOT FOR CONSTRUCTION		

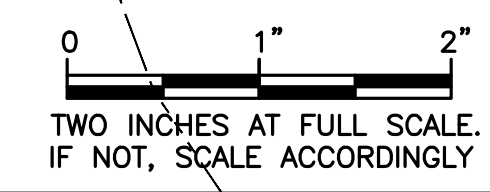
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CITY OF SUMNER
PIERCE COUNTY WASHINGTON
**WASTEWATER TREATMENT PLANT
EXPANSION ALTERNATIVE A & B**
VICINITY MAP AND LOCATION MAP

SHEET: 1
OF: 6
JOB NO.: 12538
DWG: G-VIC-VIC-LBERMIT



EXISTING SITE PLAN
SCALE: 1"=30'



APPROVED _____
BY: CITY OF SUMNER DATE _____

Gray & Osborne, Inc.
CONSULTING ENGINEERS
701 DEKEYR AVENUE NORTH, SUITE 200
SEATTLE, WASHINGTON 98109 • (206) 264-0860

DATE: JUL 2013
SCALE: 1"=30'
DRAWN: CRR
CHECKED:
APPROVED:

No.	REVISION	DATE	APPD
	PRELIMINARY NOT FOR CONSTRUCTION		

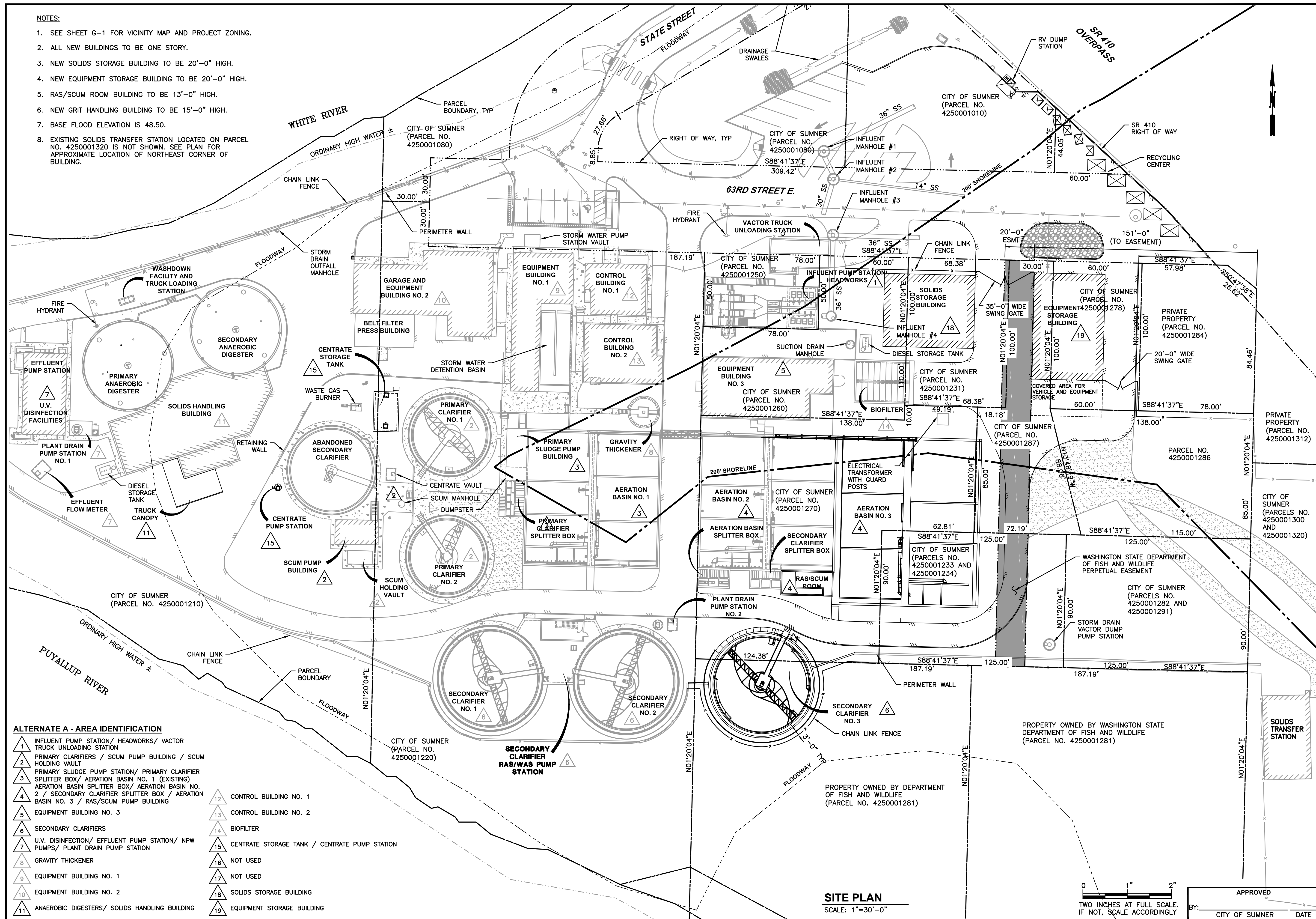
No.	REVISION	DATE	APPD
	PRELIMINARY NOT FOR CONSTRUCTION		

CITY OF SUMNER
PIERCE COUNTY WASHINGTON
**WASTEWATER TREATMENT PLANT
EXPANSION ALTERNATIVE A & B**
EXISTING SITE PLAN AND CONTOURS

SHEET: **2**
OF: **6**
JOB NO.: 12538
DWG: G_SITE_EX_PERMIT

NOTES:

1. SEE SHEET G-1 FOR VICINITY MAP AND PROJECT ZONING.
2. ALL NEW BUILDINGS TO BE ONE STORY.
3. NEW SOLIDS STORAGE BUILDING TO BE 20'-0" HIGH.
4. NEW EQUIPMENT STORAGE BUILDING TO BE 20'-0" HIGH.
5. RAS/SCUM ROOM BUILDING TO BE 13'-0" HIGH.
6. NEW GRIT HANDLING BUILDING TO BE 15'-0" HIGH.
7. BASE FLOOD ELEVATION IS 48.50.
8. EXISTING SOLIDS TRANSFER STATION LOCATED ON PARCEL NO. 4250001320 IS NOT SHOWN. SEE PLAN FOR APPROXIMATE LOCATION OF NORTHEAST CORNER OF BUILDING.



ALTERNATE A - AREA IDENTIFICATION

- | | | | |
|----|---|----|---|
| 1 | INFLUENT PUMP STATION / HEADWORKS / VACTOR TRUCK UNLOADING STATION | 12 | CONTROL BUILDING NO. 1 |
| 2 | PRIMARY CLARIFIERS / SCUM PUMP BUILDING / SCUM HOLDING VAULT | 13 | CONTROL BUILDING NO. 2 |
| 3 | PRIMARY SLUDGE PUMP STATION / PRIMARY CLARIFIER SPLITTER BOX / AERATION BASIN NO. 1 (EXISTING) | 14 | BIOFILTER |
| 4 | AERATION BASIN SPLITTER BOX / AERATION BASIN NO. 2 / SECONDARY CLARIFIER SPLITTER BOX / AERATION BASIN NO. 3 / RAS/SCUM PUMP BUILDING | 15 | CENTRATE STORAGE TANK / CENTRATE PUMP STATION |
| 5 | EQUIPMENT BUILDING NO. 3 | 16 | NOT USED |
| 6 | SECONDARY CLARIFIERS | 17 | NOT USED |
| 7 | U.V. DISINFECTION / EFFLUENT PUMP STATION / NPW PUMPS / PLANT DRAIN PUMP STATION | 18 | SOLIDS STORAGE BUILDING |
| 8 | GRAVITY THICKENER | 19 | EQUIPMENT STORAGE BUILDING |
| 9 | EQUIPMENT BUILDING NO. 1 | | |
| 10 | EQUIPMENT BUILDING NO. 2 | | |
| 11 | ANAEROBIC DIGESTERS / SOLIDS HANDLING BUILDING | | |

SITE PLAN

SCALE: 1"=30'-0"

0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

APPROVED
BY: CITY OF SUMNER DATE

Gray & Osborne, Inc.
CONSULTING ENGINEERS
701 DEWEY AVENUE NORTH, SUITE 200
SEATTLE, WASHINGTON 98109 • (206) 244-0860

DATE: JUL 2013	SCALE: 1"=30'	DRAWN: CRR	CHECKED:	APPROVED:
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No.	REVISION	DATE	APPD
	PRELIMINARY NOT FOR CONSTRUCTION		

No.	REVISION	DATE	APPD

CITY OF SUMNER
PIERCE COUNTY
WASHINGTON
WASTEWATER TREATMENT PLANT EXPANSION ALTERNATIVE A
PROPOSED SITE PLAN

SHEET: 3
OF: 6
JOB NO.: 12538
DWG SITE_PLN_PERMIT_A

DECIDUOUS TREES

SYMBOL	BOTANICAL NAME	COMMON NAME	VARIETY
	ACER CIRCINATUM	VINE MAPLE	
	CORNUS NUTTALLII	PACIFIC DOGWOOD	
	MALUS	APPLE	SUMMERRED, RED JONATHAN, GOLDEN DELICIOUS
	PRUNUS	APRICOT	PUGET GOLD
	PRUNUS PERSICA	PEACH	RELIANCE, VETERAN
	PYRUS COMMUNIS	PEAR	CASCADE
	SYRINGA CHINENSIS	CHINESE LILAC	
	SYRINGA VULGARIS	COMMON LILAC	PRESIDENT LINCOLN SENSATION

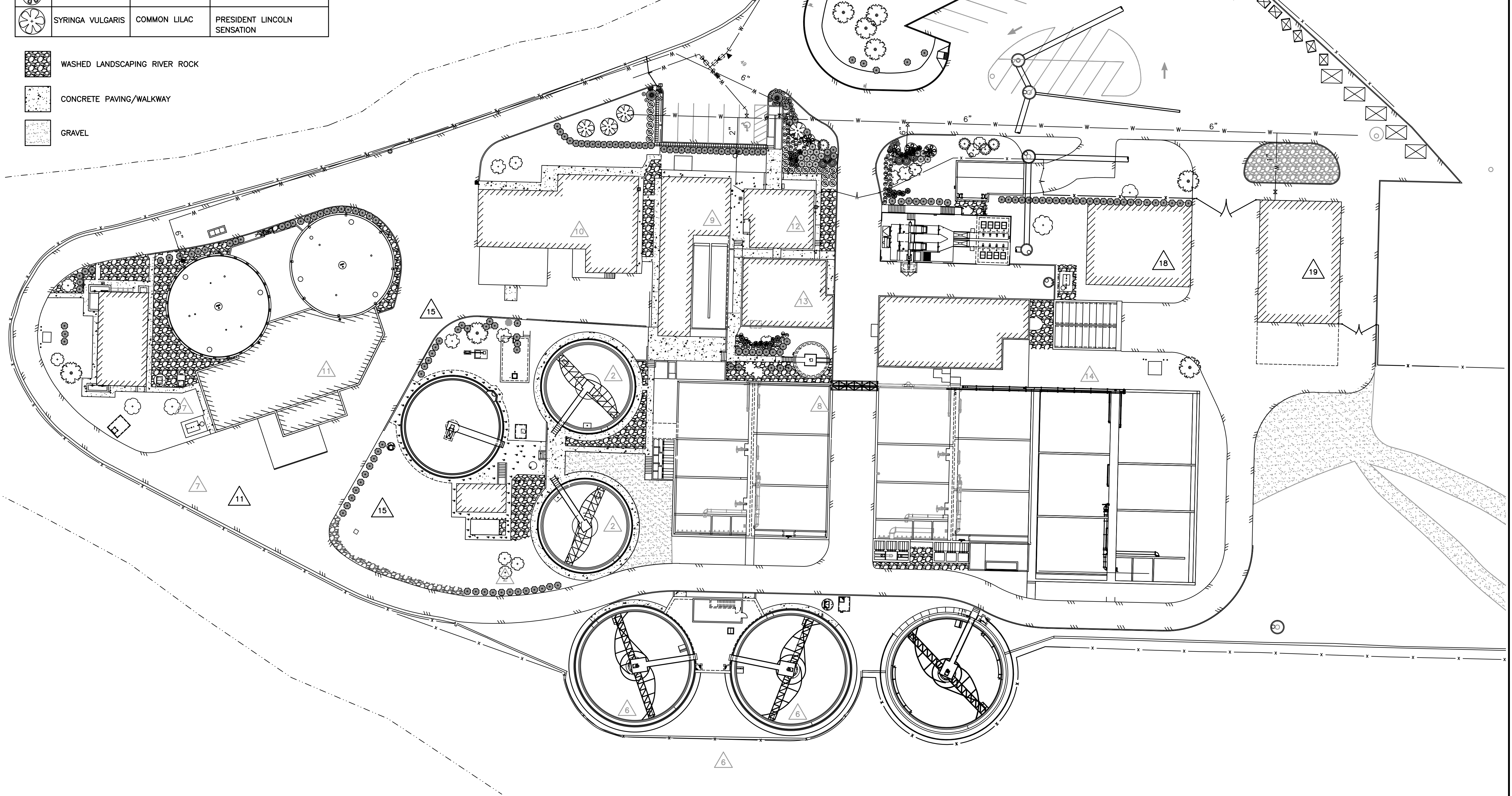
EVERGREEN TREES

SYMBOL	BOTANICAL NAME	COMMON NAME	VARIETY
	CALOCEDRUS DECURRENS	INCENSE CEDAR	
	PICEA SITCHENSIS	SITKA SPRUCE	
	PINUS CONTORTA	SHORE PINE	
	THUJA PLICATA	WESTERN RED CEDAR	FASTIGIATA
	THUJA OCCIDENTALIS	AMERICAN ARBOVITAE	FASTIGIATA (COLUMNARIS)

SHRUBS AND PERENNIALS

SYMBOL	BOTANICAL NAME	COMMON NAME	VARIETY
	CALLUNA VULGARIS	SCOTCH HEATHER	MAIR'S VARIETY WHITE
	ECHINACEA PURPUREA	PURPLE CONEFLOWER "BRIGHT STAR"	PURPLE CONEFLOWER "BRIGHT STAR"
	GAULTHERIA SHALLON	SALAL	
	ERICA CANALICULATA (ERICA MELANTHERA)	AFRICAN RED HEATH	VIVELLI RED
	ERICA MEDITERRANEA	HEATH HYBRID	MOLTEN SILVER
	RIBES SANGUINEUM	RED FLOWERING CURRANT	
	RUDBECKIA FULGIDA	BLACK-EYED SUSAN	BLACK-EYED SUSAN
	SPIRAEA DOUGLASII	WESTERN SPIRAEA (HARDHACK)	
	IRIS TENAX	OREGON IRIS	
	IRIS	IRIS	MIXED
	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	

- WASHED LANDSCAPING RIVER ROCK
- CONCRETE PAVING/WALKWAY
- GRAVEL



LANDSCAPING PLAN
SCALE: 1"=30'-0"

0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

APPROVED
BY: CITY OF SUMNER DATE

Gray & Osborne, Inc.
CONSULTING ENGINEERS
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SEATTLE, WASHINGTON 98109 • (206) 244-0860

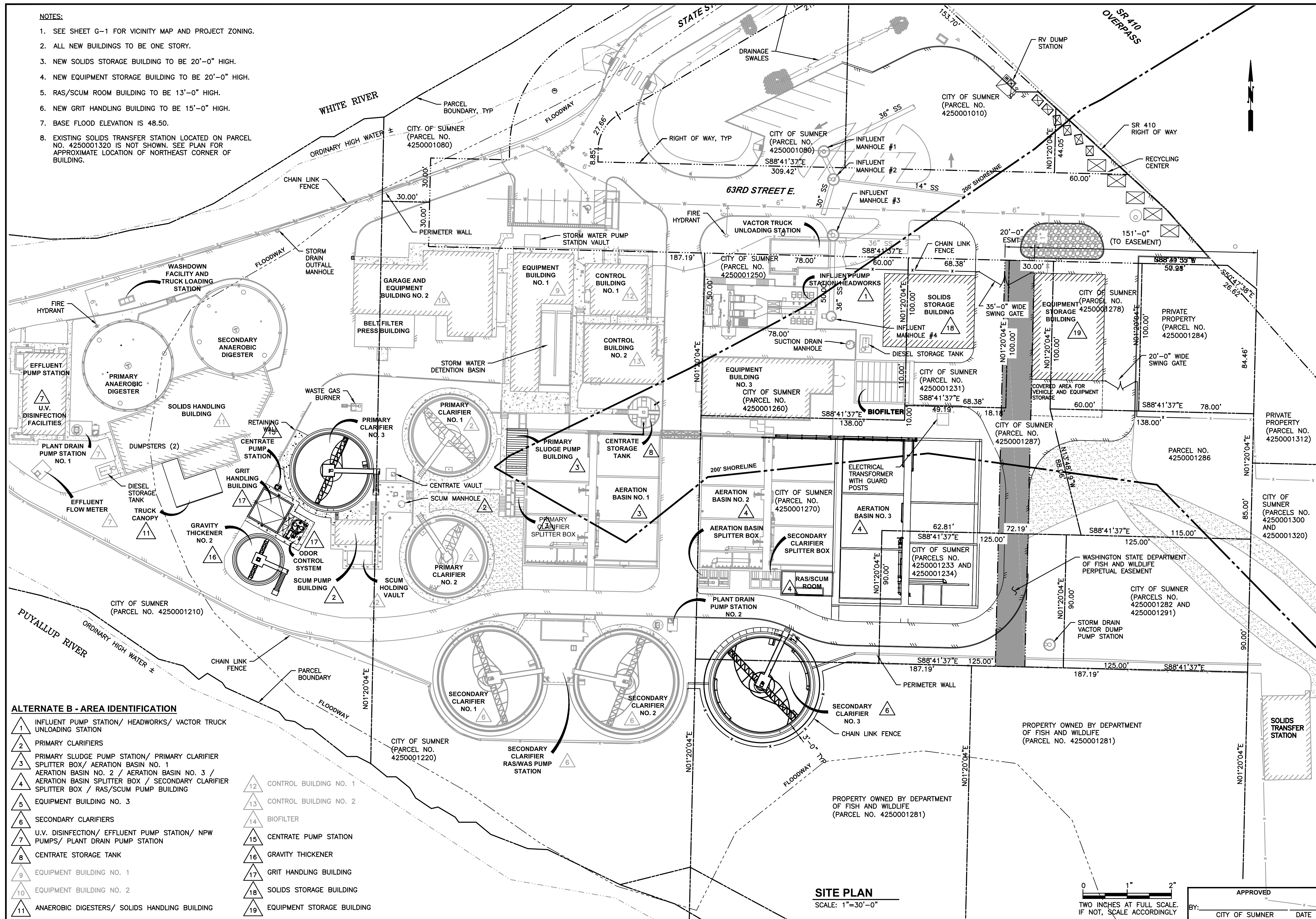
DATE: JUL 2013
SCALE: 1"=30'
DRAWN: CRR
CHECKED:
APPROVED:

No.	REVISION	DATE	APPD
	PRELIMINARY NOT FOR CONSTRUCTION		

CITY OF SUMNER
PIERCE COUNTY
WASHINGTON
WASTEWATER TREATMENT PLANT
EXPANSION ALTERNATIVE A
SITE LANDSCAPING PLAN

SHEET: 4
OF: 6
JOB NO.: 12538
DWG_SITE_PLN_PERMIT_A

- NOTES:
- SEE SHEET G-1 FOR VICINITY MAP AND PROJECT ZONING.
 - ALL NEW BUILDINGS TO BE ONE STORY.
 - NEW SOLIDS STORAGE BUILDING TO BE 20'-0" HIGH.
 - NEW EQUIPMENT STORAGE BUILDING TO BE 20'-0" HIGH.
 - RAS/SCUM ROOM BUILDING TO BE 13'-0" HIGH.
 - NEW GRIT HANDLING BUILDING TO BE 15'-0" HIGH.
 - BASE FLOOD ELEVATION IS 48.50.
 - EXISTING SOLIDS TRANSFER STATION LOCATED ON PARCEL NO. 4250001320 IS NOT SHOWN. SEE PLAN FOR APPROXIMATE LOCATION OF NORTHEAST CORNER OF BUILDING.



ALTERNATE B - AREA IDENTIFICATION

- | | | | |
|----|---|----|----------------------------|
| 1 | INFLUENT PUMP STATION/ HEADWORKS/ VACTOR TRUCK UNLOADING STATION | 12 | CONTROL BUILDING NO. 1 |
| 2 | PRIMARY CLARIFIERS | 13 | CONTROL BUILDING NO. 2 |
| 3 | PRIMARY SLUDGE PUMP STATION/ PRIMARY CLARIFIER SPLITTER BOX/ AERATION BASIN NO. 1 | 14 | BIOFILTER |
| 4 | AERATION BASIN NO. 2 / AERATION BASIN NO. 3 / AERATION BASIN SPLITTER BOX / SECONDARY CLARIFIER SPLITTER BOX / RAS/SCUM PUMP BUILDING | 15 | CENTRATE PUMP STATION |
| 5 | EQUIPMENT BUILDING NO. 3 | 16 | GRAVITY THICKENER |
| 6 | SECONDARY CLARIFIERS | 17 | GRIT HANDLING BUILDING |
| 7 | U.V. DISINFECTION/ EFFLUENT PUMP STATION/ NPW PUMPS/ PLANT DRAIN PUMP STATION | 18 | SOLIDS STORAGE BUILDING |
| 8 | CENTRATE STORAGE TANK | 19 | EQUIPMENT STORAGE BUILDING |
| 9 | EQUIPMENT BUILDING NO. 1 | | |
| 10 | EQUIPMENT BUILDING NO. 2 | | |
| 11 | ANAEROBIC DIGESTERS/ SOLIDS HANDLING BUILDING | | |

SITE PLAN

SCALE: 1"=30'-0"

0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

APPROVED
CITY OF SUMNER DATE

Gray & Osborne, Inc.
CONSULTING ENGINEERS
701 DEWEY AVENUE NORTH, SUITE 200
SEATTLE, WASHINGTON 98109 • (206) 244-0860

DATE: JUL 2013	SCALE: 1"=30'	DRAWN: CRR	CHECKED:	APPROVED:
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NO.	REVISION	DATE	APPD

**PRELIMINARY
NOT FOR
CONSTRUCTION**

CITY OF SUMNER
PIERCE COUNTY
**WASHINGTON
WASTEWATER TREATMENT PLANT
EXPANSION ALTERNATIVE B**
PROPOSED SITE PLAN

SHEET: **5**
OF: **6**
JOB NO.: 12538
DWG_SITE_PLN_PERMIT_B

DECIDUOUS TREES

SYMBOL	BOTANICAL NAME	COMMON NAME	VARIETY
	ACER CIRCINATUM	VINE MAPLE	
	CORNUS NUTTALLII	PACIFIC DOGWOOD	
	MALUS	APPLE	SUMMERRED, RED JONATHAN, GOLDEN DELICIOUS
	PRUNUS	APRICOT	PUGET GOLD
	PRUNUS PERSICA	PEACH	RELIANCE, VETERAN
	PYRUS COMMUNIS	PEAR	CASCADE
	SYRINGA CHINENSIS	CHINESE LILAC	
	SYRINGA VULGARIS	COMMON LILAC	PRESIDENT LINCOLN SENSATION

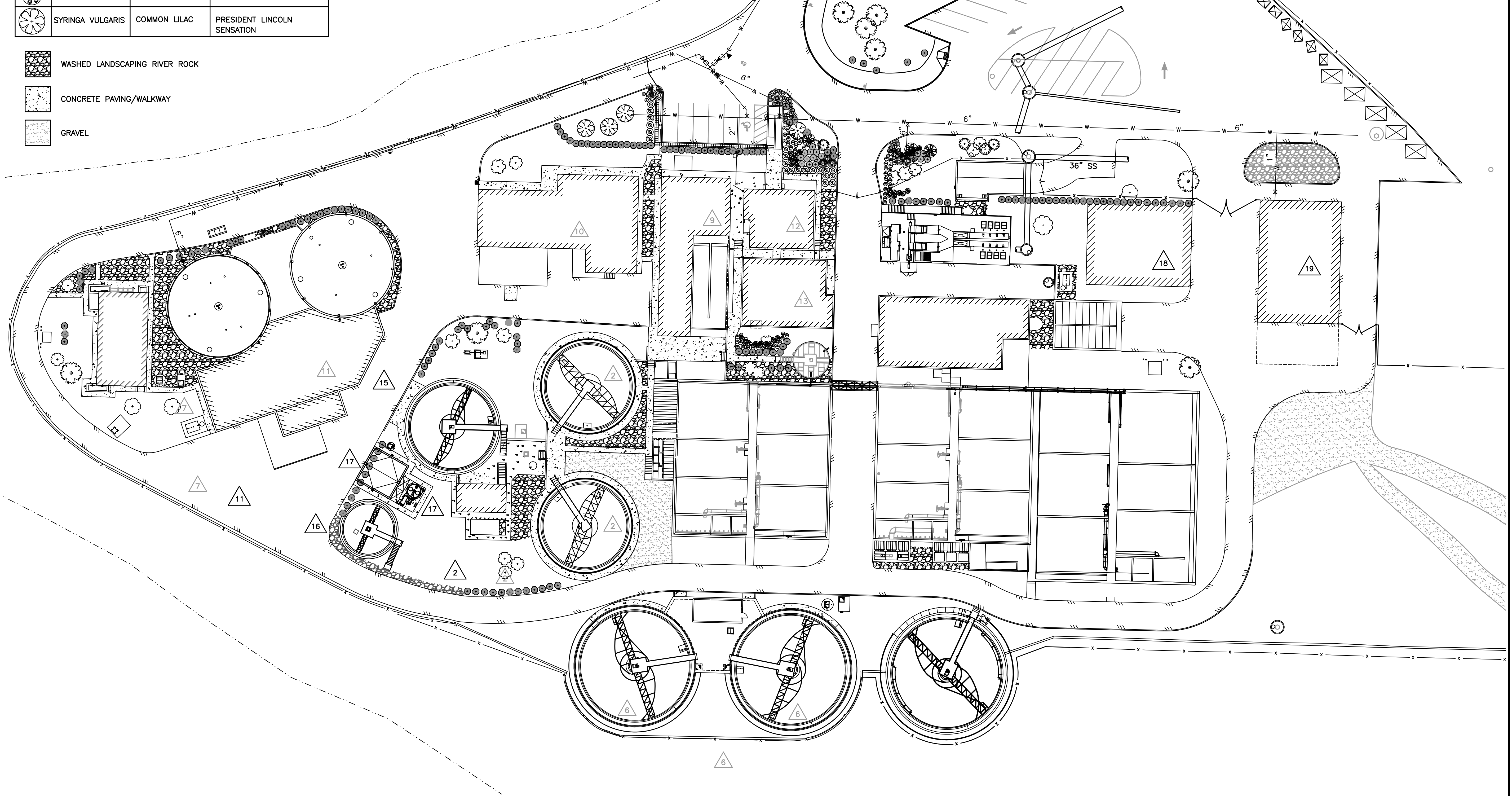
EVERGREEN TREES

SYMBOL	BOTANICAL NAME	COMMON NAME	VARIETY
	CALOCEDRUS DECURRENS	INCENSE CEDAR	
	PICEA SITCHENSIS	SITKA SPRUCE	
	PINUS CONTORTA	SHORE PINE	
	THUJA PLICATA	WESTERN RED CEDAR	FASTIGIATA
	THUJA OCCIDENTALIS	AMERICAN ARBOVITAE	FASTIGIATA (COLUMNARIS)

SHRUBS AND PERENNIALS

SYMBOL	BOTANICAL NAME	COMMON NAME	VARIETY
	CALLUNA VULGARIS	SCOTCH HEATHER	MAIR'S VARIETY WHITE
	ECHINACEA PURPUREA	PURPLE CONEFLOWER	PURPLE CONEFLOWER "BRIGHT STAR"
	GAULTHERIA SHALLON	SALAL	
	ERICA CANALICULATA (ERICA MELANTHERA)	AFRICAN RED HEATH	VIVELLI RED
	ERICA MEDITERRANEA	HEATH HYBRID	MOLTEN SILVER
	RIBES SANGUINEUM	RED FLOWERING CURRANT	
	RUDBECKIA FULGIDA	BLACK-EYED SUSAN	BLACK-EYED SUSAN
	SPIRAEA DOUGLASII	WESTERN SPIRAEA (HARDHACK)	
	IRIS TENAX	OREGON IRIS	
	IRIS	IRIS	MIXED
	PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	

- WASHED LANDSCAPING RIVER ROCK
- CONCRETE PAVING/WALKWAY
- GRAVEL



LANDSCAPING PLAN
SCALE: 1"=30'-0"

0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

APPROVED
BY: CITY OF SUMMER DATE

Gray & Osborne, Inc.
CONSULTING ENGINEERS
701 DEWEY AVENUE NORTH, SUITE 200
SEATTLE, WASHINGTON 98109 • (206) 244-0860

DATE: JUL 2013
SCALE: 1"=30'
DRAWN: CRR
CHECKED:
APPROVED:

No.	REVISION	DATE	APPD
	PRELIMINARY NOT FOR CONSTRUCTION		

CITY OF SUMMER
PIERCE COUNTY
WASHINGTON
WASTEWATER TREATMENT PLANT
EXPANSION ALTERNATIVE B
SITE LANDSCAPE PLAN

SHEET: 6
OF: 6

JOB NO.: 12538
DWG_SITE_PLN_PERMIT_B