

PROJECT INFORMATION:

APPLICANT: NICHOLAS, THOMAS P & CARA L
103 MACRONOVIC RD
CHEHALIS, WA 98532

SITE ADDRESS: 1176 SE WASHINGTON AVE,
CHEHALIS, WA 98532

PARCEL NUMBER: 005604192001, 005492002000,
005853001000, 005490000000 &
005490001000

ZONING (CITY): R1 – SINGLE-FAMILY RESIDENTIAL,
LOW DENSITY

LOTS: 5 EXISTING & 1 PROPOSED

SITE SOILS: SILTY SAND AND CLAYEY SAND

WATER: CITY MAIN – METERED

SANITARY SEWER: CITY MAIN – GRAVITY

GRADING: ±2,780 CY NET CUT
±2,082 CY NET FILL

GEOTECHNICAL INFORMATION:

A GEOTECHNICAL REPORT WAS PREPARED FOR THIS PROJECT BY ALL AMERICAN GEOTECHNICAL DATED APRIL 14TH, 2021.

TOPOGRAPHIC INFORMATION:

TOPOGRAPHIC INFORMATION DEPICTED IN THESE DRAWINGS WAS PROVIDED BY GOODMAN LAND SURVEYING, INC.

LEGEND:

LINETYPES:

EXISTING	PROPOSED	DESC.
---	---	LOT LINE
---	---	EASEMENT
-X-X-	-□-□-	FENCING
---	---	DITCH
---	---	CULVERT
---	---	ROAD CENTERLINE
---	---	RIGHT OF WAY
-E-	-E-	ELECTRICAL UNDERGROUND
-OE-	-OE-	ELECTRICAL OVERHEAD
-OT-	-OT-	TELECOMMUNICATION
-G-	-G-	GAS MAIN
-W-	-W-	WATER MAIN
-SS-	-SS-	SEWER MAIN
-FM-	-FM-	FORCE MAIN
-ST-	-ST-	STORM MAIN
-SF-	-SF-	SILT FENCE

SYMBOLS:

EXISTING	PROPOSED	DESC.
XXXX	XXXX	SURFACE FLOW
○	○	SPOT ELEVATION
○	○	SEWER MANHOLE
○	○	STORM MANHOLE
○	○	CATCH BASIN
○	○	INSPECTION PORT
○	○	WELL
○	○	WATER METER BOX
○	○	VALVE
○	○	HYDRANT
○	○	RPBA
○	○	POLE
○	○	TREE
→	→	FLOW DIRECTION ARROW

HATCH:

EXISTING	PROPOSED	DESC.
▒	▒	ROAD PAVEMENT
▒	▒	CONCRETE SIDEWALK
▒	▒	ENHANCED BUFFER

ABBREVIATIONS:

AC	ACRES
AC	ASPHALT CONCRETE
BCR	BEGIN CURB RETURN
BM	BENCHMARK
BVCS	BEGIN VERTICAL CURVE STATION
BCVE	BEGIN VERTICAL CURVE ELEVATION
CATV	CABLE TELEVISION
CB	CATCH BASIN
CIP	CAST IRON PIPE
CL	CENTERLINE
OMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CY	CUBIC YARD
.	DEGREES
∅	DIAMETER
DIP	DUCTILE IRON PIPE
EE	ELECTRICAL
ECR	END CURB RETURN
EL	ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
EX	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HP	HIGH POINT
K	CALCULATED CURVE VALUE
L	LENGTH
LCV	LENGTH VERTICAL CURVE
LF	LINEAR FEET
M	METER
MH	MAN HOLE
MJ	MECHANICAL JOINT
NFC	NOT FOR CONSTRUCTION
OHP	OVER HEAD POWER
P	POWER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
POB	POINT OF BEGINNING
POC	POINT OF CONNECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLY-VINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RFC	RELEASED FOR CONSTRUCTION
R/W	RIGHT OF WAY
RD	ROOF DRAIN
S	SLOPE
SF	SQUARE FOOT
SD	STORM DRAIN
SS	SANITARY SEWER
ST	STORM
STA	STATION
STEP	SEPTIC TANK EFFLUENT PUMP
DTL	STANDARD DETAIL
T	TELEPHONE
TB	THRUST BLOCK
TC	TOP OF CURB/CONCRETE
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
TG	TOP OF GRATE
TYP	TYPICAL
UGP	UNDERGROUND POWER
W	WATER
WM	WATER METER
WV	WATER VALVE
±	APPROXIMATELY
%	PERCENT
Δ	DELTA

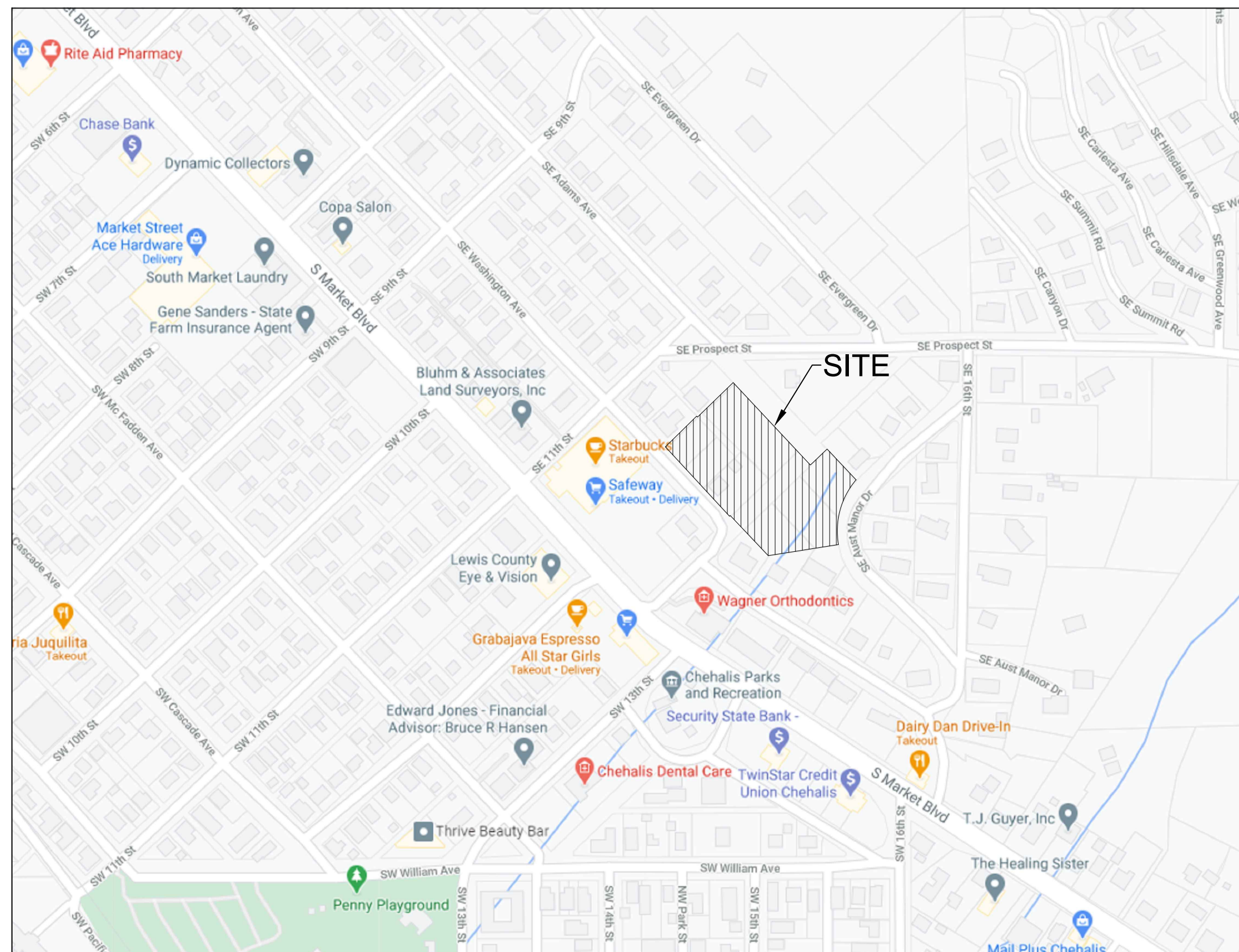
DRAWING CONTENTS:

- C0.1 COVER SHEET
- C1.1 OVERALL SITE AND TEMPORARY EROSION CONTROL PLAN
- C2.1 ROADWAY AND GRADING PLAN AND PROFILE
- C3.1 STORM DRAINAGE PLAN
- C4.1 SEWER PLAN
- C5.1 WATER PLAN

NICHOLAS WASHINGTON AVE

SECTION 32 TOWNSHIP 14N RANGE 02W
CHEHALIS, WASHINGTON

VICINITY MAP



UTILITIES LOCATE NOTE:

EXISTING UTILITIES LOCATION SHOWN IN THIS PLAN SET IS BASED ON INFORMATION OBTAINED FROM VARIOUS RECORDS RESEARCH, ASBUILT DATA, AND FIELD MEASUREMENTS. FULLER DESIGNS ASSUMES NO RESPONSIBILITY FOR EXACT LOCATION OF UTILITIES EITHER SHOWN OR NOT SHOWN IN THESE DRAWINGS. CONTRACTOR SHALL VERIFY THE EXACT SIZE, DEPTH, LOCATION, AND ARRANGEMENT OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL UNDERGROUND LOCATE AT 811 PRIOR TO PERFORMING CONSTRUCTIONS ACTIVITIES.



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PROJECT SPECIFICATIONS:

THE WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, 2020 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) (HEREAFTER "STANDARD SPECIFICATIONS").

ALSO INCORPORATED INTO THESE CONTRACT DOCUMENTS BY REFERENCE ARE:

- A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
- B. CITY ROAD STANDARDS
- C. CITY DRAINAGE STANDARDS
- D. THE INTERNATIONAL BUILDING CODE (IBC)

CURRENT EDITIONS OF THESE STANDARDS SHALL BE USED WHICH EXIST ON THE DATE OF CONTRACT ACCEPTANCE.

CONTRACTOR SHALL OBTAIN COPIES OF THESE PUBLICATION AT CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SUPPLIES AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THESE DRAWINGS. ONCE WORK IS COMPLETED CONTRACTOR SHALL OBTAIN ACCEPTANCE BY THE COUNTY AND PROJECT ENGINEER.

THE INTENT OF THESE DRAWINGS IS TO PRESCRIBE A COMPLETE PROJECT. OMISSIONS FROM THE DRAWINGS OF DETAIL OF WORK WHICH IS NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE OMITTED WORK.

ANY PROPOSED ALTERATIONS BY THE CONTRACTOR AFFECTING THE REQUIREMENTS AND INFORMATION IN THESE DRAWINGS SHALL BE IN WRITING AND WILL REQUIRE APPROVAL OF THE ENGINEER AND INSPECTOR.

WORK IN RIGHT OF WAY:

CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT PRIOR TO COMMENCING ANY WORK LOCATED IN RIGHT OF WAY. ALL WORK PERFORMED IN THE RIGHT OF WAY SHALL ADHERE TO DRAWINGS, STANDARD SPECIFICATIONS, AND REQUIREMENTS OUTLINED IN THE RIGHT OF WAY PERMIT.

RECORD DRAWINGS:

FULLER DESIGNS IS REQUIRED BY THE CITY TO PROVIDE RECORD DRAWING CERTIFICATION PRIOR TO FINAL CITY ACCEPTANCE. FULLER DESIGNS WILL NOT CERTIFY RECORD DRAWINGS WITHOUT INSPECTION OF BELOW GRADE UTILITIES AND STRUCTURES. PRIOR TO BACKFILLING, CONTRACTOR SHALL NOTIFY FULLER DESIGNS OF NECESSARY INSPECTIONS.

CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY ENGINEER OR INSPECTOR OF INCONSISTENCIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ONE SET OF THE CONTRACT DRAWINGS THAT SHALL INCLUDE: ANY ALTERATIONS OR LOCATION OF UNDERGROUND UTILITIES ENCOUNTERED DURING THE PROGRESS OF THE PROJECT, ANY ALTERATIONS MADE TO THE IMPROVEMENTS BEING INSTALLED. MARKED DRAWINGS SHALL BE CLEAR AND LEGIBLE. DRAWINGS SHALL BE MARKED "RECORD DRAWINGS" AND SHALL BE SUBMITTED TO THE ENGINEER UPON PROJECT COMPLETION.

CONTRACTOR LIABILITY NOTE:

CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY THROUGHOUT PROJECT EXECUTION AND NOT BE LIMITED TO WORKING HOURS. CONTRACTOR SHALL PROGRESS WORK IN A MANNER THAT SHALL INDEMNIFY AND HOLD FULLER DESIGNS HARMLESS FROM ALL LIABILITY IN CONNECTION WITH CONTRACTOR'S PERFORMED WORK.

REMOVAL OF UNSUITABLE MATERIALS:

IF UNSUITABLE MATERIALS AS DEFINED BY THE STANDARD SPECIFICATIONS ARE ENCOUNTERED, THIS MATERIAL SHALL BE REMOVED TO THE DEPTH REQUIRED BY THE ENGINEER OR INSPECTOR AND REPLACED WITH SUITABLE MATERIAL.

UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND HAULED TO A WASTE SITE OBTAINED BY THE CONTRACTOR. PRIOR TO REMOVAL, CONTRACTOR SHALL NOTIFY PROJECT OWNER SO MEASUREMENT/PAYMENT CAN BE MADE PER TON OF UNSUITABLE MATERIAL REMOVED.

EROSION CONTROL NOTE:

EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. NO SILTATION OF EXISTING OR PROPOSED DRAINAGE STRUCTURES WILL BE PERMITTED. CARE SHALL BE TAKEN TO PREVENT MIGRATION OF SOILS TO ADJACENT PROPERTIES. DISTURBED EARTH SHALL BE STABILIZED AS REQUIRED BY THE STANDARD SPECIFICATIONS. INDIVIDUAL DESIGNATED TO MONITOR EROSION CONTROL FACILITIES DURING CONSTRUCTION SHALL HAVE CESCL CERTIFICATION.

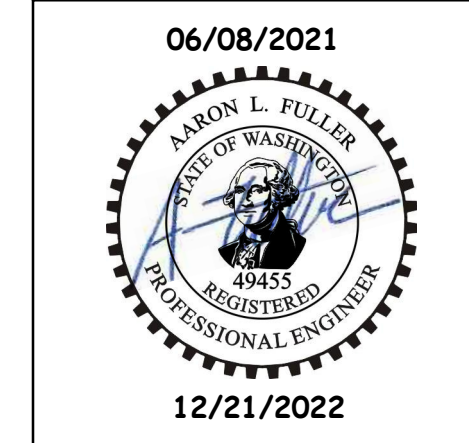
GENERAL NOTES:

CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ADJACENT PROPERTY OWNERS, DRIVEWAYS AND UTILITY SERVICES SHALL REMAIN ACCESSIBLE AT ALL TIMES.

AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL PRE-CONSTRUCTION STATE OR BETTER UPON COMPLETION OF WORK.

THESE DRAWINGS AND ALL ACCOMPANYING MATERIALS ARE COPYRIGHTED. UNAUTHORIZED COPYING OF THESE DOCUMENTS IS FORBIDDEN WITHOUT THE WRITTEN CONSENT OF FULLER DESIGNS.

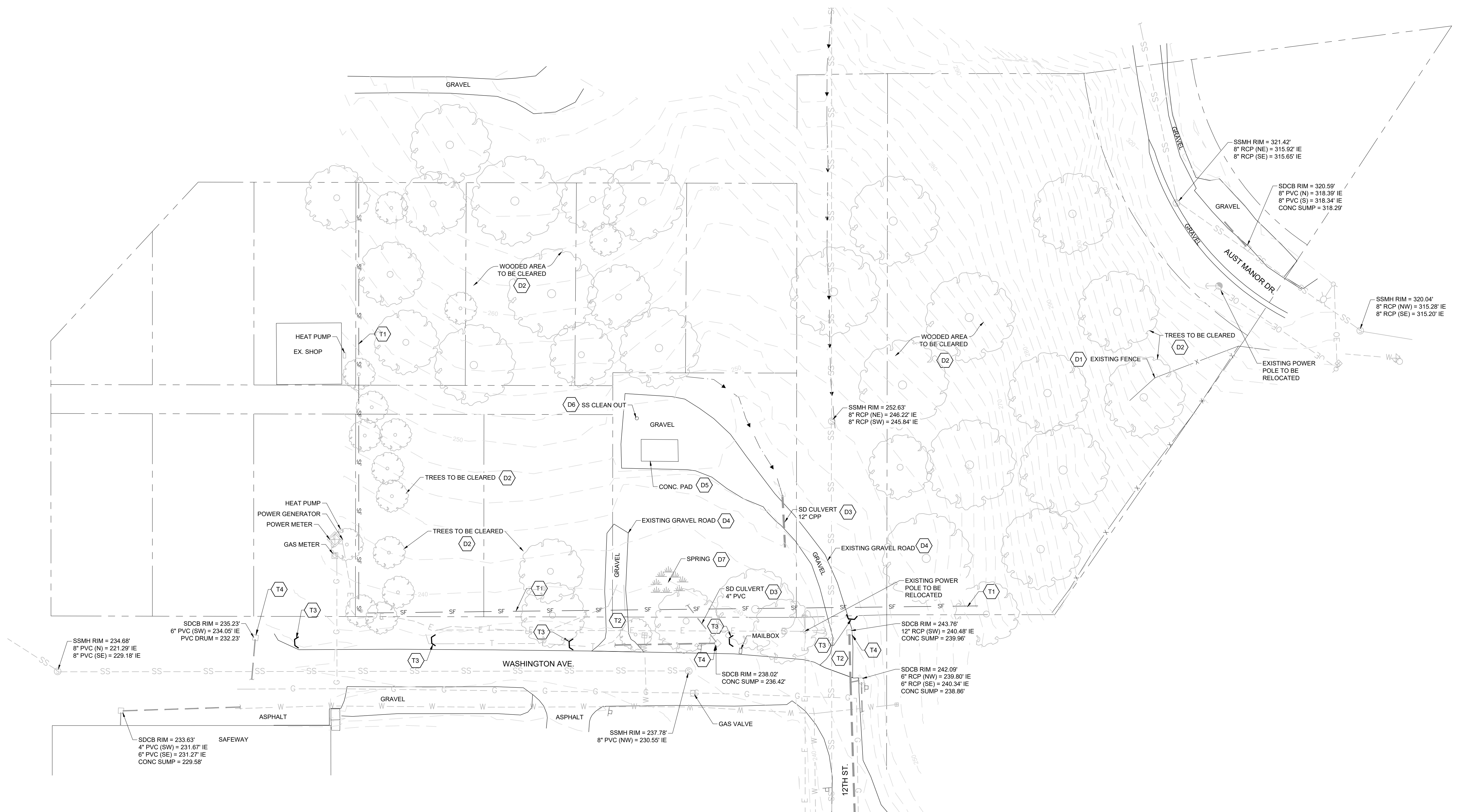
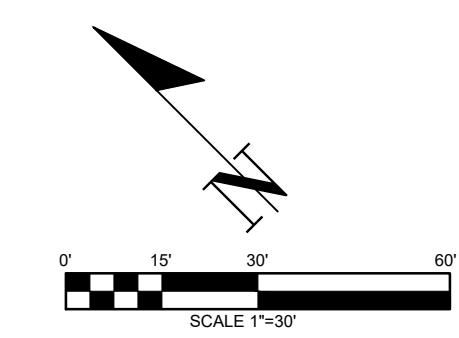
DRAWING TITLE:	COVER SHEET	CHECKED:	ALF
	SCALE: AS SHOWN	DRAWN:	MM
		DATE:	06/07/21
		PROJECT NAME:	NICHOLAS WASHINGTON AVE.



FULLER DESIGNS
1101 KRESKY AVE
CENTRALIA, WA 98531
(360) 807-4420

REV:	DESCRIPTION:	DATE:
0	PRELIMINARY - FOR PERMIT	06/07/21

C0.1
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TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) NOTES:

- (T1) INSTALL SILT FENCE.
- (T2) USE EXISTING GRAVEL ROAD AS CONSTRUCTION ENTRANCE.
- (T3) INSTALL STRAW BALE BARRIER AS SHOWN. BALES TO BE INSTALLED ALONG EXISTING DITCH SHOWN ON THIS SHEET. BALES WILL BE REMOVED ONCE SITE IS STABILIZED.
- (T4) INSTALL TWO LAYERS OF WATTLES AND A SWATH OF SILT FENCE AROUND THE INLET FOR CULVERT INLET PROTECTION.

DEMOLITION NOTES:

- (D1) EXISTING FENCE TO BE REMOVED.
- (D2) EXISTING TREES TO BE REMOVED.
- (D3) EXISTING PIPES UNDER EXISTING ENTRANCE ROAD TO BE REMOVED.
- (D4) EXISTING ENTRANCE ROAD TO BE REMOVED.
- (D5) EXISTING CONCRETE PAD TO BE REMOVED.
- (D6) EXISTING SANITARY CLEANOUT TO BE REMOVED.
- (D7) EXISTING SPRING TO BE FILLED.

EROSION CONTROL NOTES:

1. ALL EXPOSED SOIL SURFACES SHALL BE SEEDED WITH AN EROSION CONTROL SEED MIX OR HYDROSEEDED IF NOT WORKED WITHIN 7 CALENDAR DAYS FROM MAY 1 TO SEPTEMBER 30. SOIL SHALL BE COVERED WITHIN 2 DAYS FROM OCTOBER 1 TO APRIL 30.
2. SEEDED AREAS WILL BE COVERED WITH MULCH, HAY OR OTHER PROTECTIVE COVERING APPROVED BY THE ENGINEER TO PREVENT WASHOUT DURING RAIN EVENTS.
3. CONTRACTOR SHALL APPLY WATER TO GRAVEL SURFACES DURING CONSTRUCTION TO MINIMIZE FUGITIVE DUST.
4. ROUTINE INSPECTION AND MAINTENANCE OF ALL INSTALLED EROSION AND SEDIMENT CONTROL BMPs, ESPECIALLY AFTER STORMS, IS REQUIRED.
5. PERIODIC STREET CLEANING MAY BE NECESSARY TO REMOVE ANY SEDIMENT TRACKED OFF SITE.
6. IN THE EVENT PROPOSED BMPs FAIL, APPROPRIATE MEASURES MUST BE TAKEN TO STOP SEDIMENTS FROM ENTERING WATERWAYS.

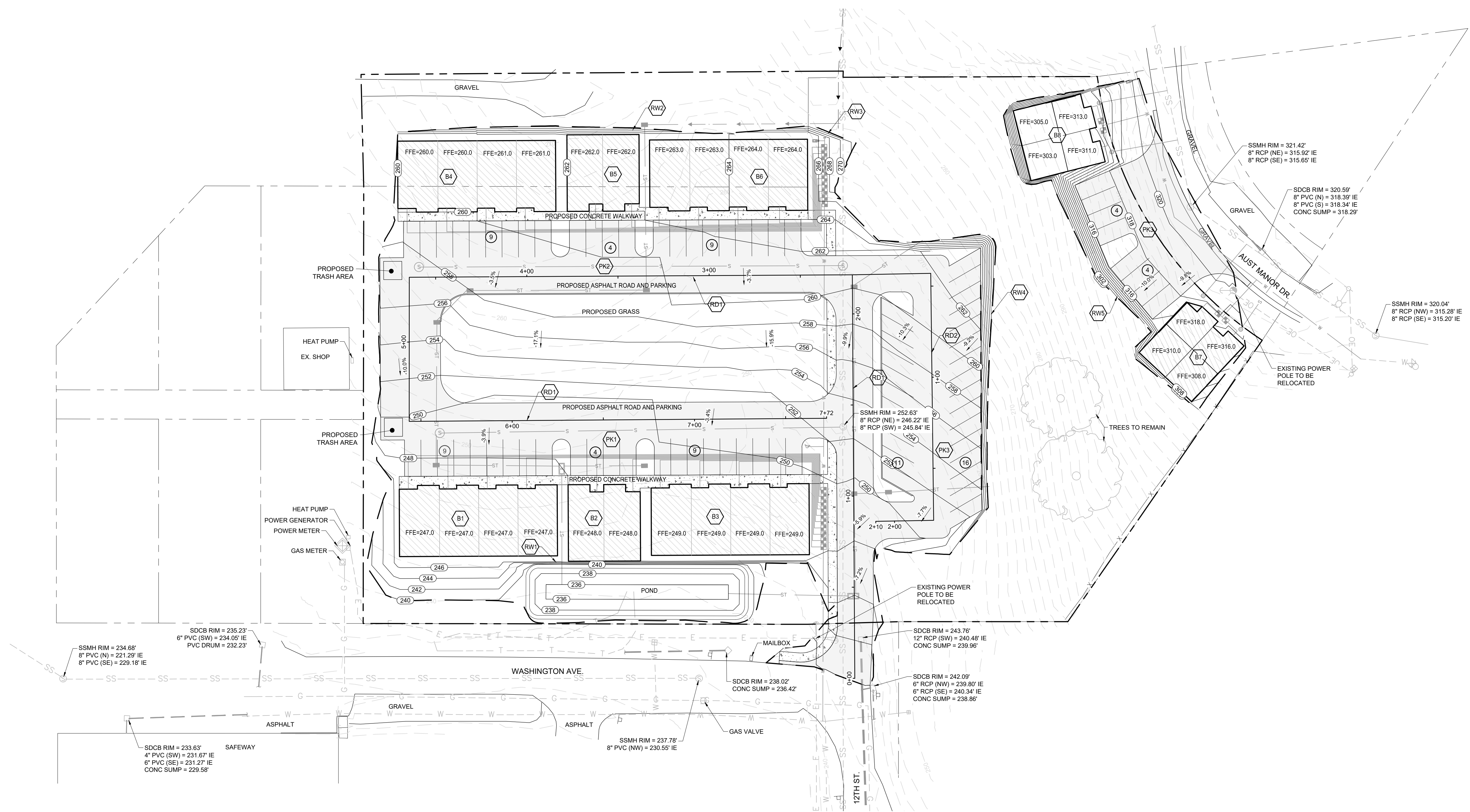
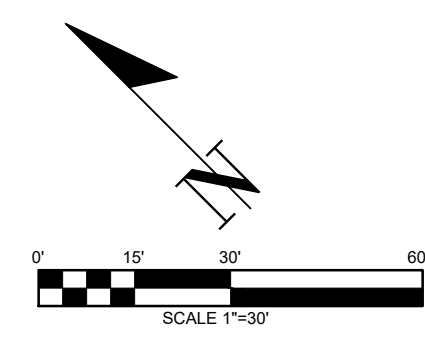
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DRAWING TITLE: OVERALL SITE AND TEMPORARY EROSION CONTROL PLAN	CHECKED: ALF
SCALE: 1" = 30'	DRAWN: MM
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ROAD AND GRADING NOTES:

- RD1 982 L.F. OF ASPHALT ROAD
20' WIDE
 - RD2 236 L.F. OF ASPHALT ROAD
20' WIDE
 - PK1 ASPHALT PARKING LOT
22 SPACES
 - PK2 ASPHALT PARKING LOT
22 SPACES
 - PK3 ASPHALT PARKING LOT
27 SPACES
 - PK4 ASPHALT PARKING LOT
8 SPACES
 - RW1 ±158' RETAINING WALL
 - RW2 ±153' RETAINING WALL
 - RW3 ±46' RETAINING WALL
 - RW4 ±206' RETAINING WALL
 - RW5 ±287' RETAINING WALL
- ASPHALT ROAD AND PARKING
TOTAL AREA= 0.74 ACRES
TOTAL PARKING SPACES = 79

DEVELOPMENT CONCEPT NOTES:

PROPOSED PROPERTY BOUNDARY = 3.02 ACRES
TOTAL 2 STORY UNITS = 24

- B1 MULTIFAMILY BUILDING
2 STORY
4 UNITS
- B2 DUPLEX BUILDING
2 STORY
2 UNITS
- B3 MULTIFAMILY BUILDING
2 STORY
4 UNITS
- B4 MULTIFAMILY BUILDING
2 STORY
4 UNITS
- B5 DUPLEX BUILDING
2 STORY
2 UNITS
- B6 MULTIFAMILY BUILDING
2 STORY
4 UNITS
- B7 DUPLEX BUILDING
2 STORY
2 UNITS
- B8 DUPLEX BUILDING
2 STORY
2 UNITS

EARTHCUT VOLUME

Name	2d Area(Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Main Area Volume	82,014.53	5,652.94	2,873.46	2,779.48 cut

Name	2d Area(Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
East Area Volume	11,521.51	30.95	2,112.21	(2,081.26) fill

DRAWING TITLE:
ROADWAY AND GRADING PLAN

SCALE: 1" = 30'

DATE: 06/07/21

DRAWN: MM

CHECKED: ALF

PROJECT NAME:
NICHOLAS WASHINGTON AVE.

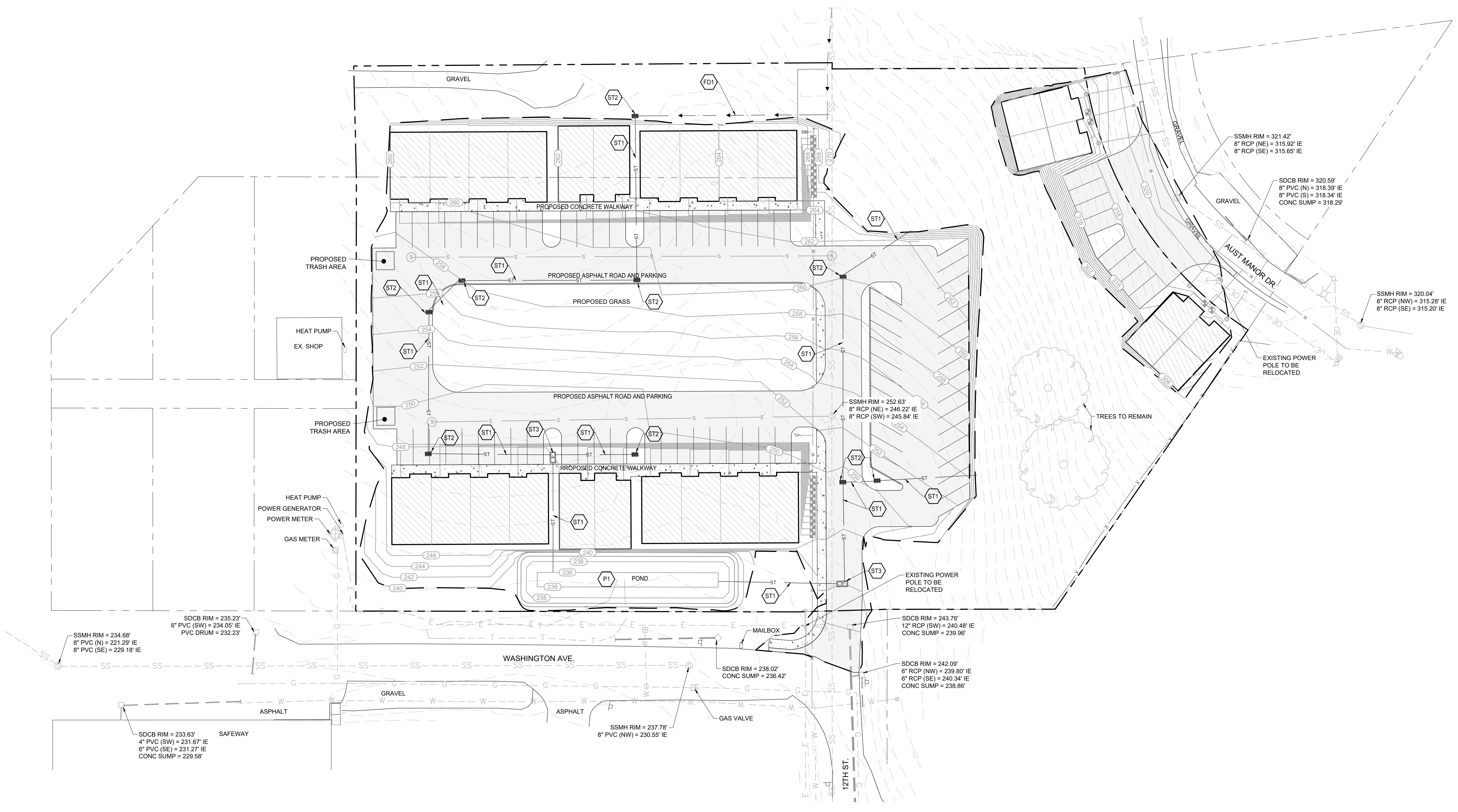
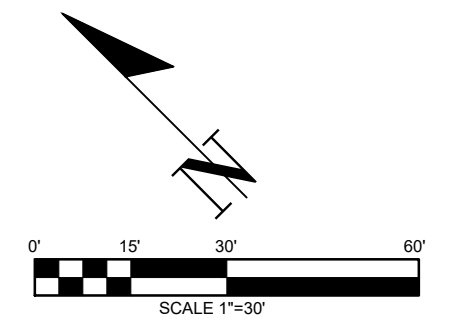


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- STORMWATER NOTES:**
- (ST1) INSTALL STORM PIPE
 - (ST2) INSTALL CB GRATE LID
 - (ST3) INSTALL 1-CARTRIDGE 27" CATCH BASIN STORM FILTER
 - (FD1) INSTALL ±100' FRENCH DRAIN
 - (P1) DETENTION POND
3' DEPTH (INCLUDED 1' FREEBOARD)
3:1 SIDE SLOPES
800 S.F. BOTTOM AREA

DRAWING TITLE: STORM DRAINAGE PLAN		CHECKED: ALF
SCALE: #####	DATE: 06/07/21	DRAWN: MM
PROJECT NAME: NICHOLAS WASHINGTON AVE.		

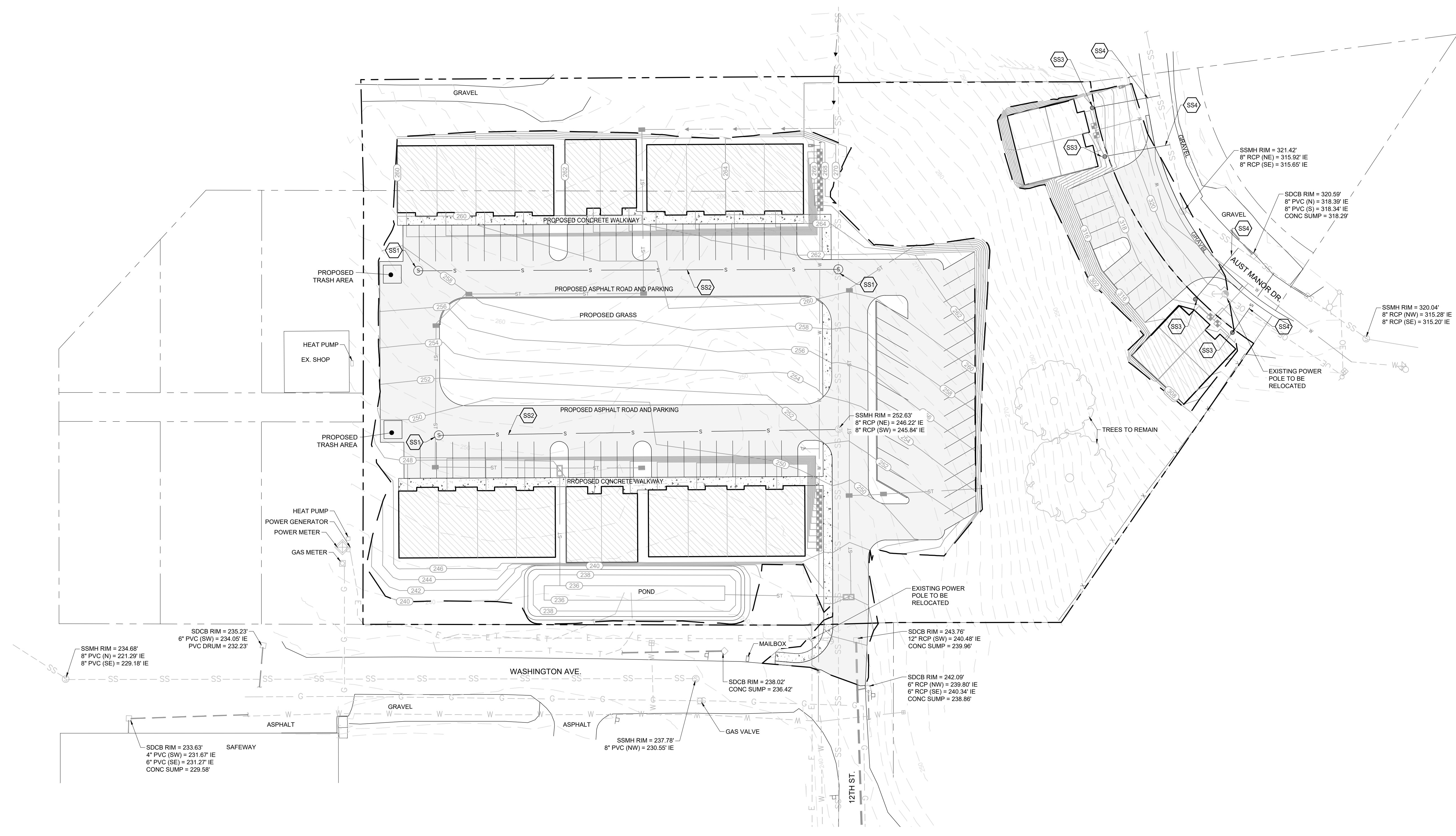
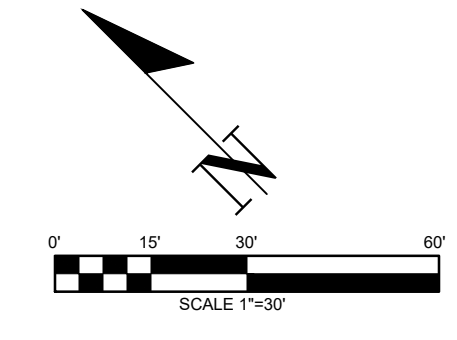
06/08/2021

12/21/2022

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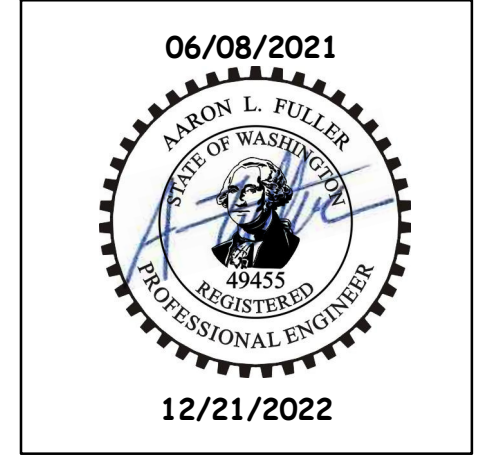
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SANITARY SEWER NOTES:

- SS1 INSTALL SANITARY SEWER MANHOLE
- SS2 INSTALL SANITARY SEWER MAIN
- SS3 INSTALL GRINDER PUMP
- SS4 INSTALL LATERAL SERVICE

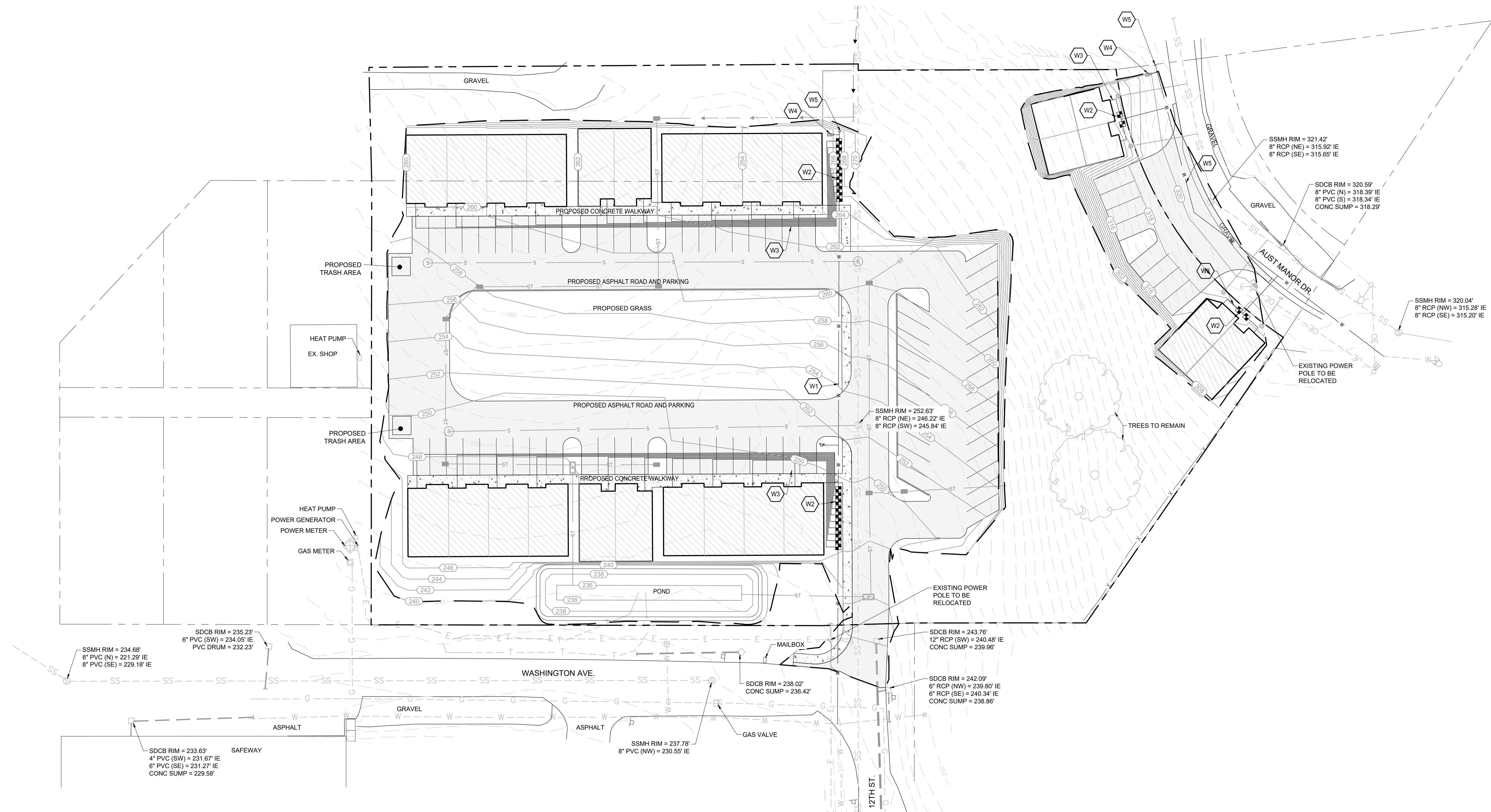
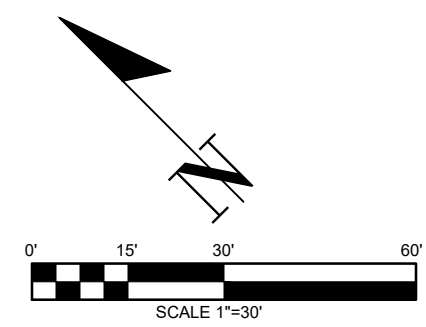
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WATER NOTES:

- W1 INSTALL WATER MAIN LINE
- W2 INSTALL WATER METERS FOR ALL UNITS
- W3 INSTALL WATER SERVICE FOR ALL UNITS
- W4 INSTALL 2" BLOW-OFF VALVE ASSEMBLY
- W5 INSTALL END CAP AND THRUSTBLOCKING

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DRAWING TITLE:	WATER PLAN		
SCALE:	1" = 30'	DATE:	06/07/21
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CHECKED:	ALF	DRAWN:	MM



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