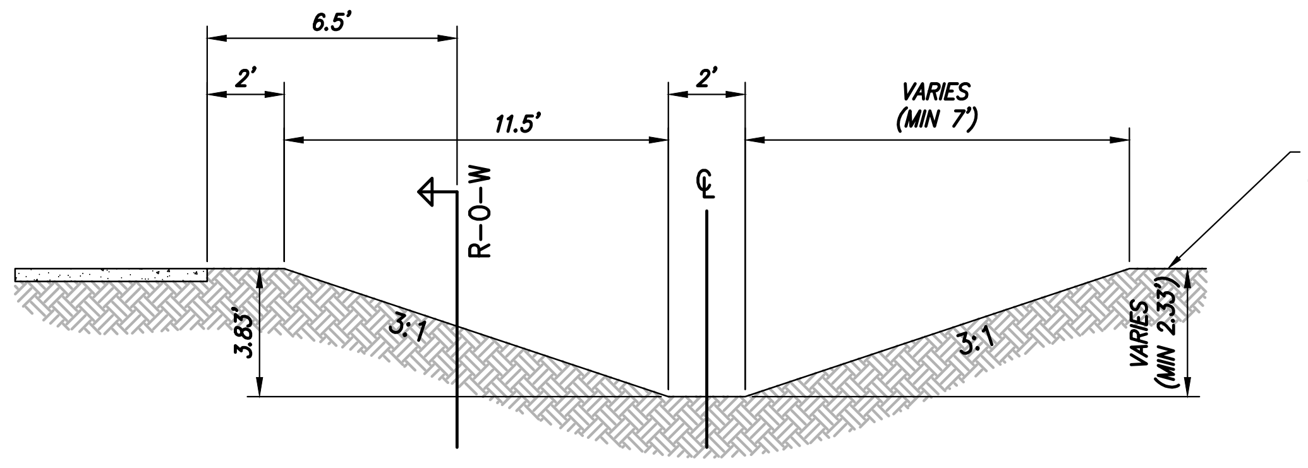
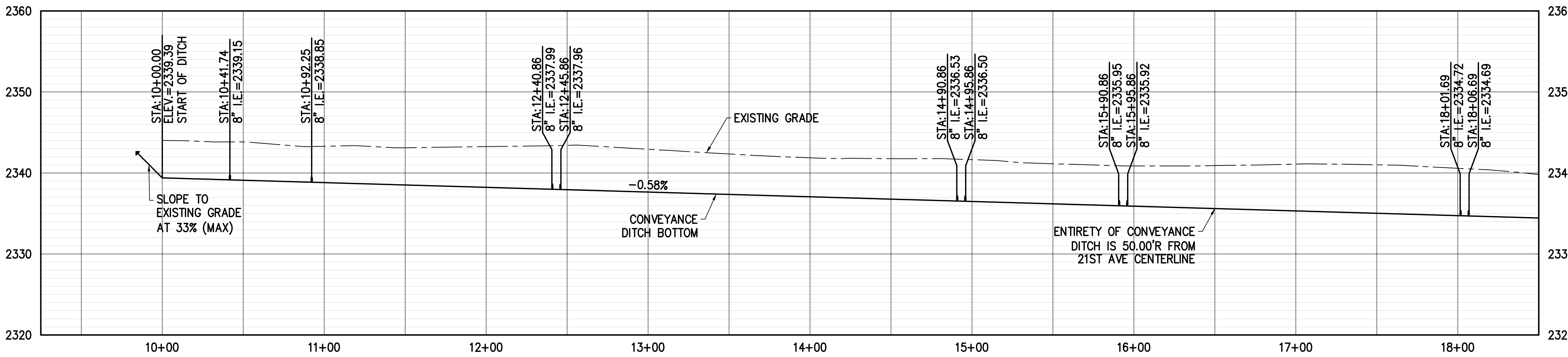


CONVEYANCE CHANNEL – TYPICAL CROSS-SECTION

SCALE: 1" = 5'



CONVEYANCE DITCH AND DETENTION POND PROFILE

SCALE: 1" = 50' (HORIZONTAL)
SCALE: 1" = 10' (VERTICAL)

REFERENCE NOTES APPLY TO ALL STORM PLAN SHEETS.
NOT ALL REFERENCE NOTES WILL BE FOUND ON THIS SHEET.

REFERENCE NOTES:

① PROVIDE NEW TYPE 0 CATCH BASIN PER CITY OF SPOKANE STANDARD PLAN B-101B.

② PROVIDE NEW 8" DUCTILE IRON STORM DRAINAGE PIPE. SLOPE AND LENGTH PER PLAN.

③ PROVIDE NEW HANDPLACED RIP-RAP PAD. PAD SHALL BE 12" DEEP, 36" WIDE AND SHALL EXTEND ALONG ENTIRETY OF THE 24" CONVEYANCE DITCH/POND BOTTOM.

④ PROVIDE (2) NEW 12" DUCTILE IRON CULVERT PIPES AND (1) NEW 16" DUCTILE IRON CULVER PIPE. SLOPE AND LENGTH PER PLAN.

⑤ PROVIDE (2) NEW 18" DUCTILE IRON CULVERT PIPES. SLOPE AND LENGTH PER PLAN.

⑥ PROTECT IN PLACE EXISTING 5 – 12" STORM WATER CULVERTS DISCHARGING ACROSS FLINT ROAD. CONTRACTOR SHALL CLEAN LINES AS NECESSARY.

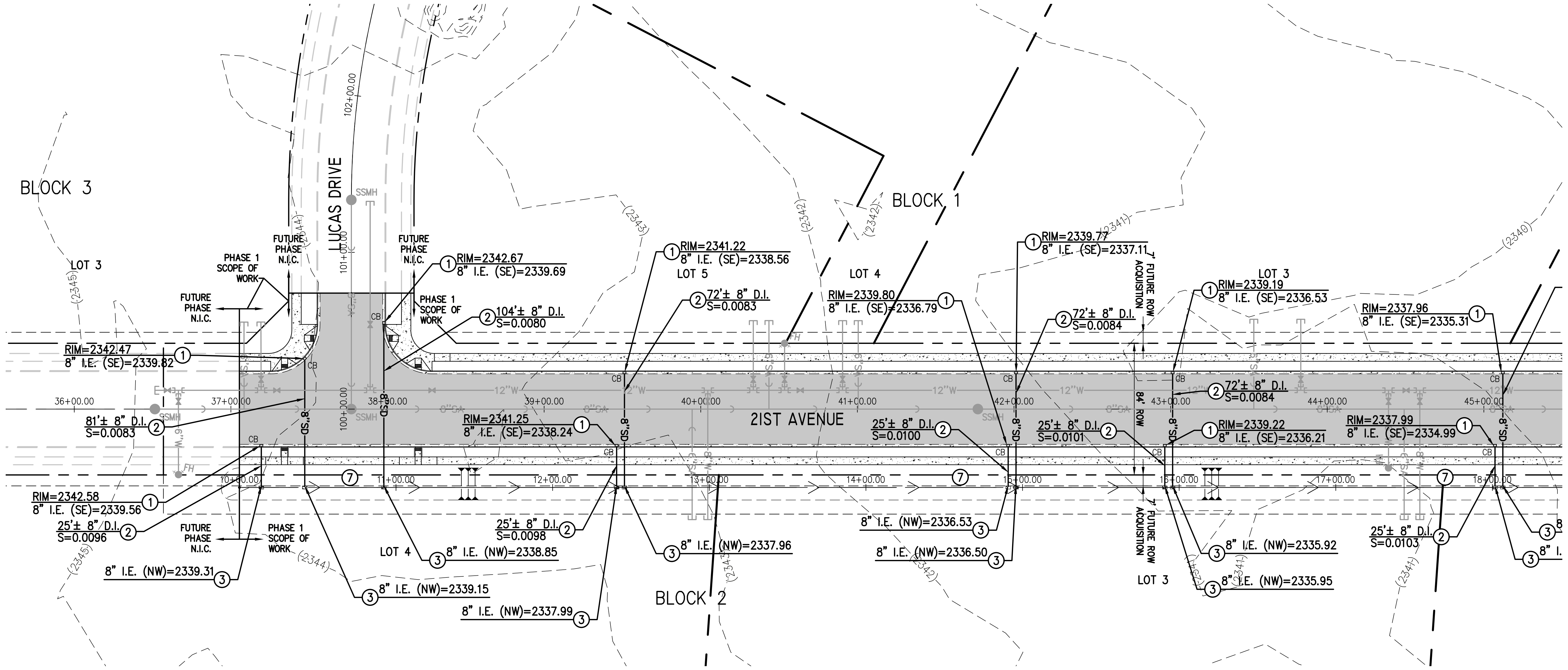
⑦ PROVIDE NEW STORM WATER CONVEYANCE CHANNEL PER CONVEYANCE CHANNEL – TYPICAL CROSS-SECTION. CONVEYANCE CHANNEL TO FOLLOW THE SLOPE OF THE ROAD.

⑧ PROVIDE NEW STORM WATER DETENTION POND PER DETENTION POND – TYPICAL CROSS-SECTION.

⑨ PROVIDE NEW CONCRETE HEADWALL AT END OF CULVERT PIPES PER WASHINGTON DEPARTMENT OF TRANSPORTATION STANDARD PLAN B-75.20-02.

ENGINEER'S NOTES:

1. ALL DRAINAGE AND UTILITY STRUCTURES SHALL BE INSTALLED SO THAT RIM ELEVATIONS CAN BE ADJUSTED ±0.5 FEET TO MATCH FINISHED GRADE.
2. PROVIDE 2' OF FLAT AREA BEHIND SIDEWALK PRIOR TO SLOPING DOWN TO CONVEYANCE DITCH AND DETENTION POND AT A 3:1 MAXIMUM SLOPE.



PLAN VIEW

SCALE: 1" = 50'

N

CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
811
CALL TWO BUSINESS DAYS BEFORE YOU DIG

WADE M. GELHAUSEN
39346

11/22/2021

7/18

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. . U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
7/19/21	DEM	1	DESIGN REVIEW COMMENTS DATE 6/1/21												
8/11/21	DEM	2	DESIGN REVIEW COMMENTS DATE 8/10/21												
9/15/21	DEM	3	DESIGN REVIEW COMMENTS DATE 9/8/21												
9/30/21	DEM	4	DESIGN REVIEW COMMENTS DATE 9/29/21												
11/22/21	DEM	5	STUB RELOCATIONS												

REVISIONS

AS BUILT

GRADE ORDINANCE LIST

NAVD88 = (OLD CBM ELEV.) – (13.13)
AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION
WSDOT MONUMENT ID 2694 (DESIGNATION GP32002-104) ALONG US 2
WSDOT BRASS DISK SET IN ROUND CONCRETE MONUMENT

NAVD88 ELEV. 2315.58
CBM NO.

NAVD88 DATUM

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

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'
SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

	BY	DATES
DRAWN:	DEM	4/13/21
REVISED:	DEM	11/22/21
CHECKED:	SSS	4/13/21
APPROVED:	WMG	4/13/21

THE CITY OF SPOKANE

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6300

PROJECT NAME:
PACIFIC NORTHWEST TECHNOLOGY PARK - WEST PHASE 1

SEGMENT LIMITS:
21ST AVENUE
STA 37+05.43 TO 45+00.00

PROJECT LIMITS: LUCAS DRIVE TO FLINT ROAD

TYPE OF IMPROVEMENT: STORM

CITY PROJECT NUMBER	CITY PLAN NUMBER
2021535	21ST V(03)1 30-25-42

EFN:

CALL BEFORE YOU DIG 456-8000