



# Walls ONLY PRRWF20230497 See next sheet.

City Engineering  
333 S. Meridian  
Puyallup, WA 98371  
Tel: (253) 864-4165  
Fax: (253) 840-6678

## PLAN CHANGE REQUEST

DATE: 08/18/23 PERMIT NO./REF NO: E21-0313 **PCR 003**

1. PROJECT: SHB-TC Parking Expansion ADDRESS: 1015 39th Ave SE

2. OWNER: Benaroya EMAIL: davev@benaroya.com

3. DESIGN ENGINEER: Daryl Schneider EMAIL: dschneider@parametrix.com

4. CONTRACTOR: DP Excavation EMAIL: paulnewton@dpexcavation.net

5. ORIGINATOR OF REQUEST:  
 OWNER  DESIGN ENGINEER  CONTRACTOR  CITY OF PUYALLUP

6. DOES THIS REQUEST REQUIRE A DEVIATION FROM AN EXISTING CITY STANDARD?  YES  NO

7. IF YES, PLEASE SUBMIT AN ALTERNATIVE METHODS FOR CONSTRUCTION MATERIALS REQUEST APPLICATION (AMR).

8. IF NO, PLEASE COMPLETE THE FOLLOWING:

9. APPROVED CIVIL PLAN SHEET NUMBERS AFFECTED: See Attached

10. WHAT PART OF THE CITY AND/OR DEVELOPMENT INFRASTRUCTURE IS BEING AFFECTED?  
 ROAD  STORM  WATER  SANITARY  GRADING  EROSION CONTROL

11. DESCRIBE THE CHANGE BEING REQUESTED: (ATTACH ADDITIONAL INFORMATION AS NECESSARY)  
Grading and associated wall elevations have been revised to accommodate an undocumented fiber vault.

This modification maintains the fiber vault in place. Please see attached/updated plans.

12. ALL SIGNATURES ARE REQUIRED TO PROCESS THIS REQUEST UNLESS INITIATED BY THE CITY. FINAL APPROVAL/DENIAL WILL BE MADE BY THE CITY ENGINEER. ALL CHANGES WILL BE FULLY APPROVED/DENIED PRIOR TO ANY WORK ON REQUESTED CHANGES. ANY WORK COMPLETED PRIOR TO APPROVAL IS AT THE RISK OF THE DEVELOPER/CONTRACTOR AND MAY NOT BE APPROVED BY THE CITY ENGINEER.

David Krantz  
OWNER

Daryl Schneider  
DESIGN ENGINEER

[Signature]  
CONTRACTOR

[Signature]  
CITY ENGINEER

[Signature]   
CITY REVIEWER

**APPROVED** / DENIED

\*\* 1) Retaining wall re-design to be approved by Bldg Dept. via separate permit revision.  
2) Retaining wall footing drains to be discharged to infiltration trench per PMX email dated August 30, 2023.

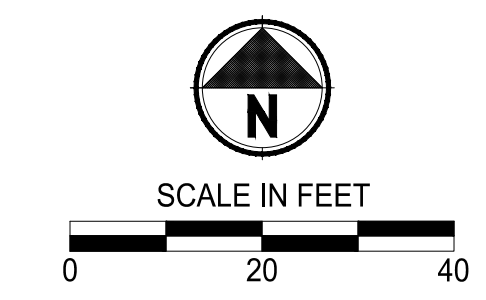
08/31/2023  
DATE

APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.



Know what's below.  
Call before you dig.

Walls ONLY  
PRRWF20230497

City of Puyallup  
Building  
REVIEWED  
FOR  
COMPLIANCE

RayC  
11/08/2023  
4:03:15 PM



Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

See the separate engineering calculations and details.

LEGEND:

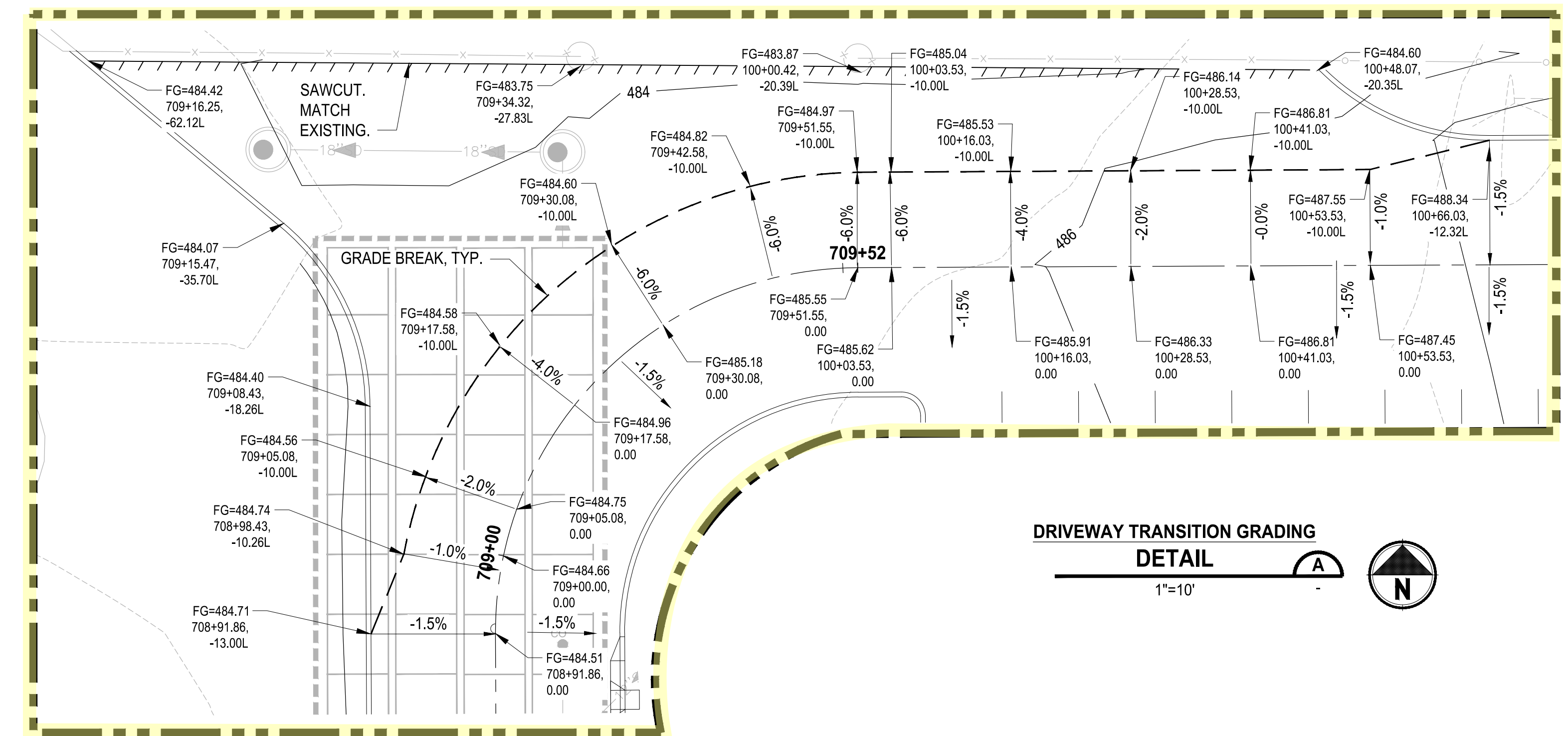
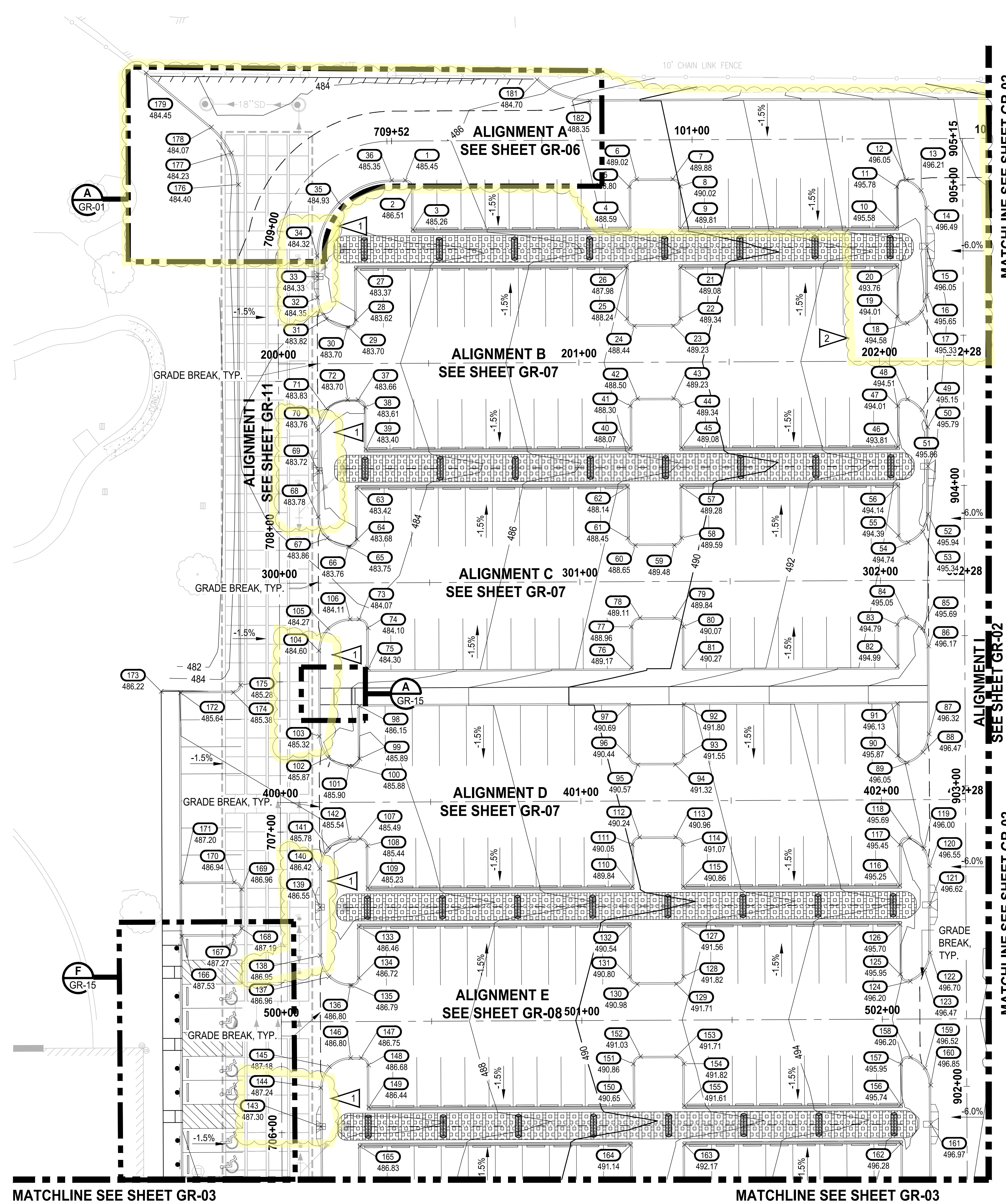
- EXISTING MAJOR CONTOUR LINE
- EXISTING MINOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- ROADWAY CENTERLINE
- PROPERTY BOUNDARY

GENERAL NOTE:

- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK.
- CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND GRADES.
- TYPICAL ROAD SECTIONS ARE SHOWN ON SHEET TS-01.
- GRADING POINT TABLES ARE SHOWN ON SHEETS GR-15 THROUGH GR-19.

CONSTRUCTION NOTE:

- 1 SEE SHEET GR-15 FOR STAIR GRADING DETAILS.
- 2 CONSTRUCT STAIRS AND HAND RAIL PER DETAIL ON SHEET GR-15.



DRIVEWAY TRANSITION GRADING  
DETAIL  
1"=10'

PCR 003  
E21-0313

NOTE:  
SYMBOLS NOT TO SCALE

100% REVIEW SUBMITTAL

PLotted: 8/15/2023 3:46:33 PM  
DATE: Friday, August 11, 2023 3:46:33 PM  
PROJECT: 217-7312-004 - SB&S Parking Expansion  
DRAWING: GR-01

NO.	REVISIONS	DATE	BY	DESIGNED	DRAWN	CHECKED	APPROVED
1	GRADING REVISION	6/15/23	WZG	WZG	RLP	DMS	DMS
2	PCR:2 GRADING REVISIONS	7/28/23	WZG	WZG	RLP	DMS	DMS

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY  
FILE NAME: 05-PSO731200C-GR  
JOB No: 217-7312-004  
DATE: JULY 2022



**Parametrix**  
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES  
1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
P 253.604.6600  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS & TECHNOLOGY CENTER PARKING EXPANSION**  
PUYALLUP, WA

**GRADING PLAN**

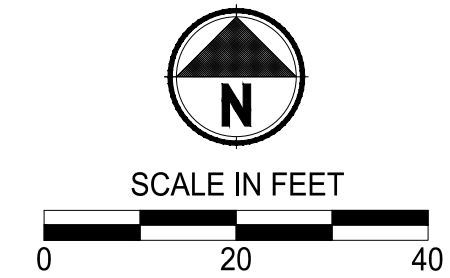
DRAWING NO.  
30 OF 58  
**GR-01**

APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

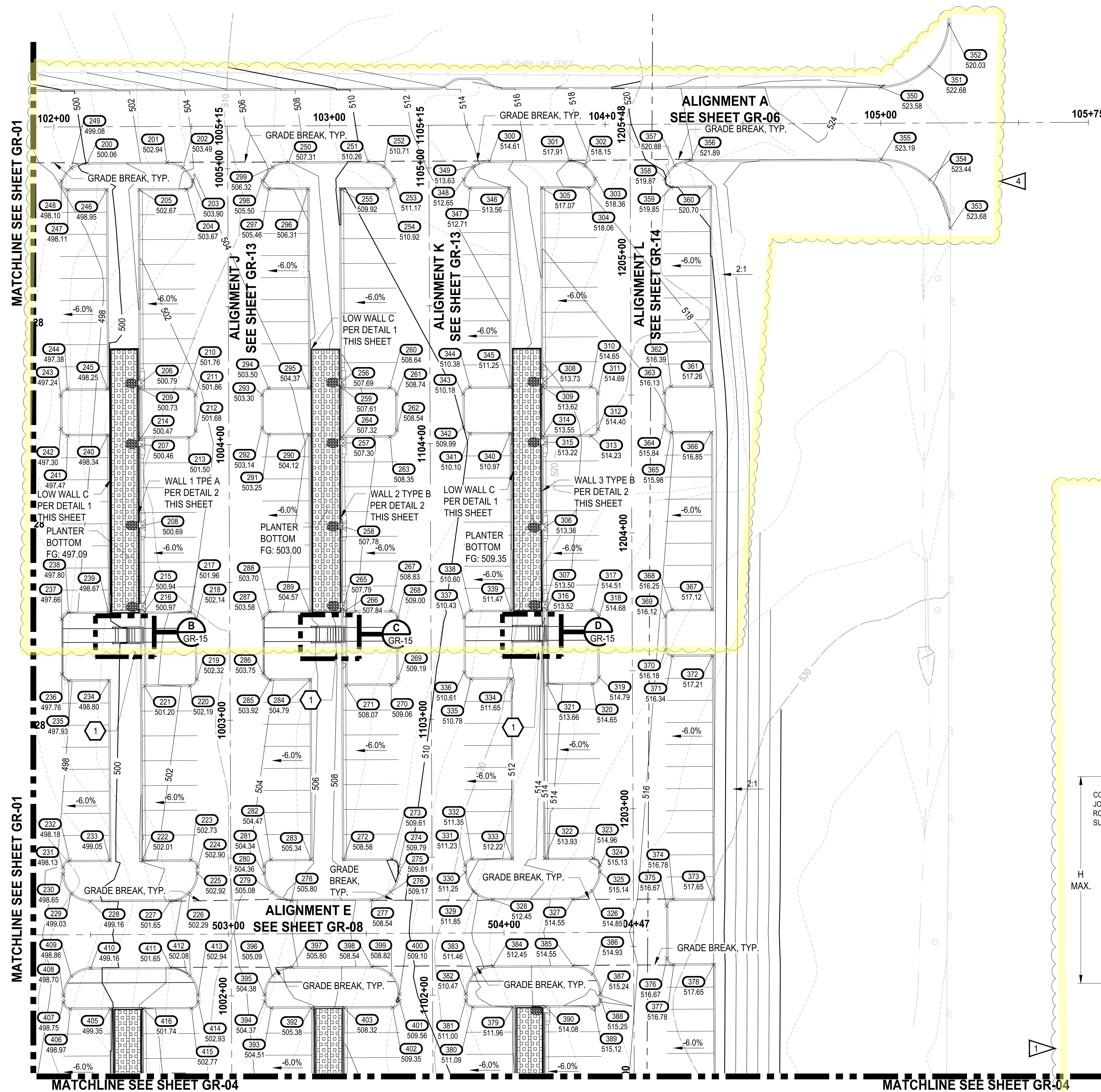
DATE:

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.



Know what's below.  
Call before you dig.

Walls ONLY  
PRRWF20230497



LEGEND:

- EXISTING MAJOR CONTOUR LINE
- EXISTING MINOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- ROADWAY CENTERLINE
- PROPERTY BOUNDARY

GENERAL NOTE:

- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK.
- CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND GRADES.
- TYPICAL ROAD SECTIONS ARE SHOWN ON SHEET TS-01.
- GRADING POINT TABLES ARE SHOWN ON SHEETS GR-15 THROUGH GR-19.

CONSTRUCTION NOTE:

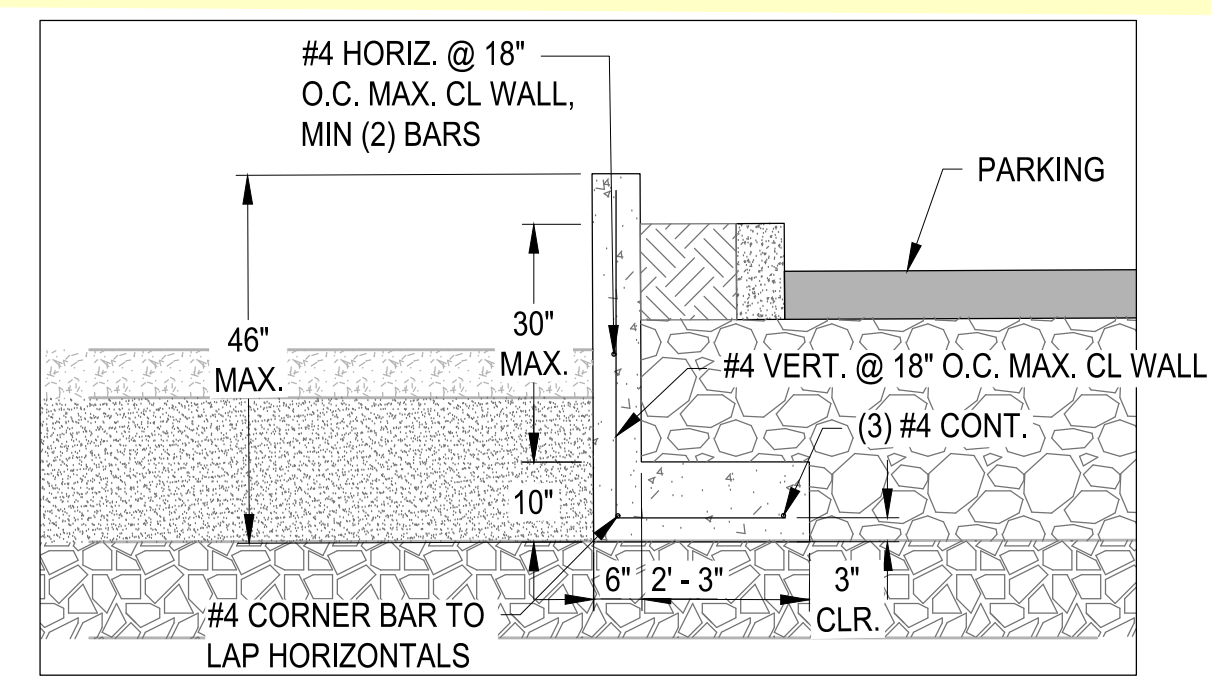
- SEE SHEET GR-15 FOR STAIR GRADING DETAILS.
- CONSTRUCT STAIRS AND HAND RAIL PER DETAIL ON SHEET GR-15.

LOW WALL NOTES:

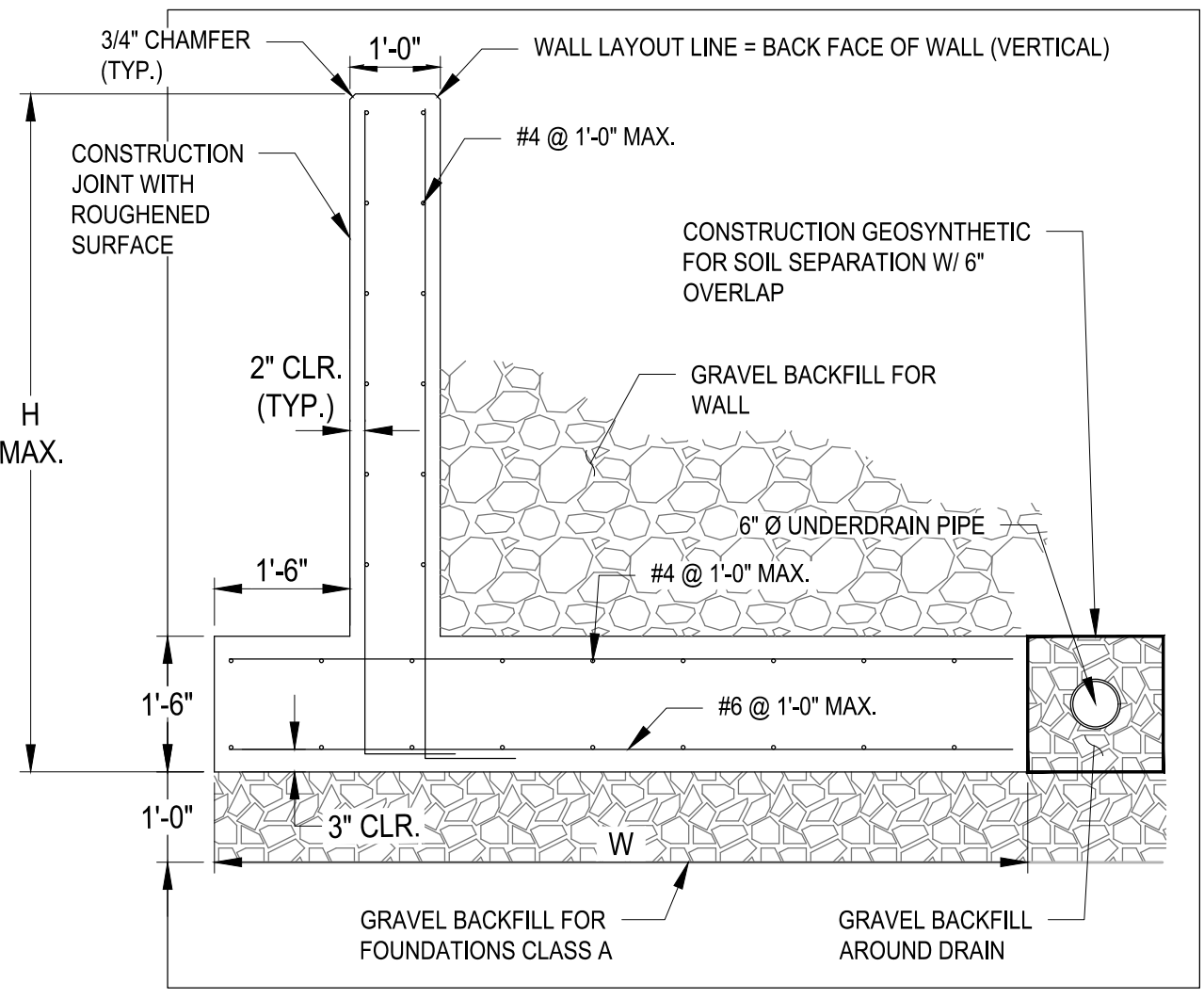
- FOUNDATION SUBGRADE SHALL CONSIST OF UNDISTURBED NATIVE SOILS OR COMPACTED STRUCTURAL FILL.
- RETAINING WALL BACKFILL SHALL CONSIST OF GRAVEL BACKFILL PER WSDOT 9-03.12(2).
- MIN. CONCRETE COMPRESSIVE STRENGTH (FC) SHALL BE 3000 PSI.
- REINFORCING SHALL BE A615 GRADE 60 (60 KSI MIN. YIELD STRENGTH).
- PROVIDE CORNER BARS SHOWN AT ALL HORIZ. REIN. IN WALL. LAP 2'-0" WITH HORIZ. REIN. TYP.

WALL NOTES:

- UNLESS OTHERWISE SHOWN IN THE PLANS, CONCRETE COVER MEASURED FROM THE FACE OF CONCRETE TO THE FACE OF ANY REINFORCING STEEL SHALL BE 2".
- CAST-IN PLACE CONCRETE WALL SHALL BE CLASS 4000 CONCRETE.
- REINFORCING SHALL BE ASTM 706 GRADE 60.
- LAP SPLICES SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (LATEST EDITION) AND WSDOT STANDARD SPECIFICATIONS.
- THE NUMBER AND LENGTH OF REINFORCING BARS BE DETERMINED BY THE CONTRACTOR FROM THE PLANS. FOR THE HOOKS AND BENDS ON THE BARS, USE WSDOT STD. HOOK AND BEND DIMENSIONS.
- ALL EXPOSED CONCRETE SURFACES SHALL HAVE CLASS 1 SURFACE FINISH IN ACCORDANCE WITH WSDOT STD. SPEC. SECTION 6-02.3(14)A.



LOW WALL C  
DETAIL  
N.T.S.



WALL  
DETAIL  
N.T.S.

WALL SCHEDULE

WALL TYPE ID:	H (MAX.)	W
A	5.75'	8'
B	6.75'	9'

NOTE:  
SYMBOLS NOT TO SCALE

100% REVIEW SUBMITTAL

PLotted: Bt: CorraWtl DATE: Friday, August 11, 2023 3:48:37 PM

REVISIONS	DATE	BY	DESIGNED	DRAWN	CHECKED	APPROVED
1	7/28/23	WZG	WZG	RLP	DMS	DMS

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY



**Parametrix**  
ENGINEERING, PLANNING, ENVIRONMENTAL SCIENCES

1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
P 253.604.6600  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS & TECHNOLOGY CENTER PARKING EXPANSION**  
PUYALLUP, WA

**GRADING PLAN** **PCR 003**  
E21-0313

DRAWING NO.  
31 OF 58  
**GR-02**





Know what's below.  
Call before you dig.

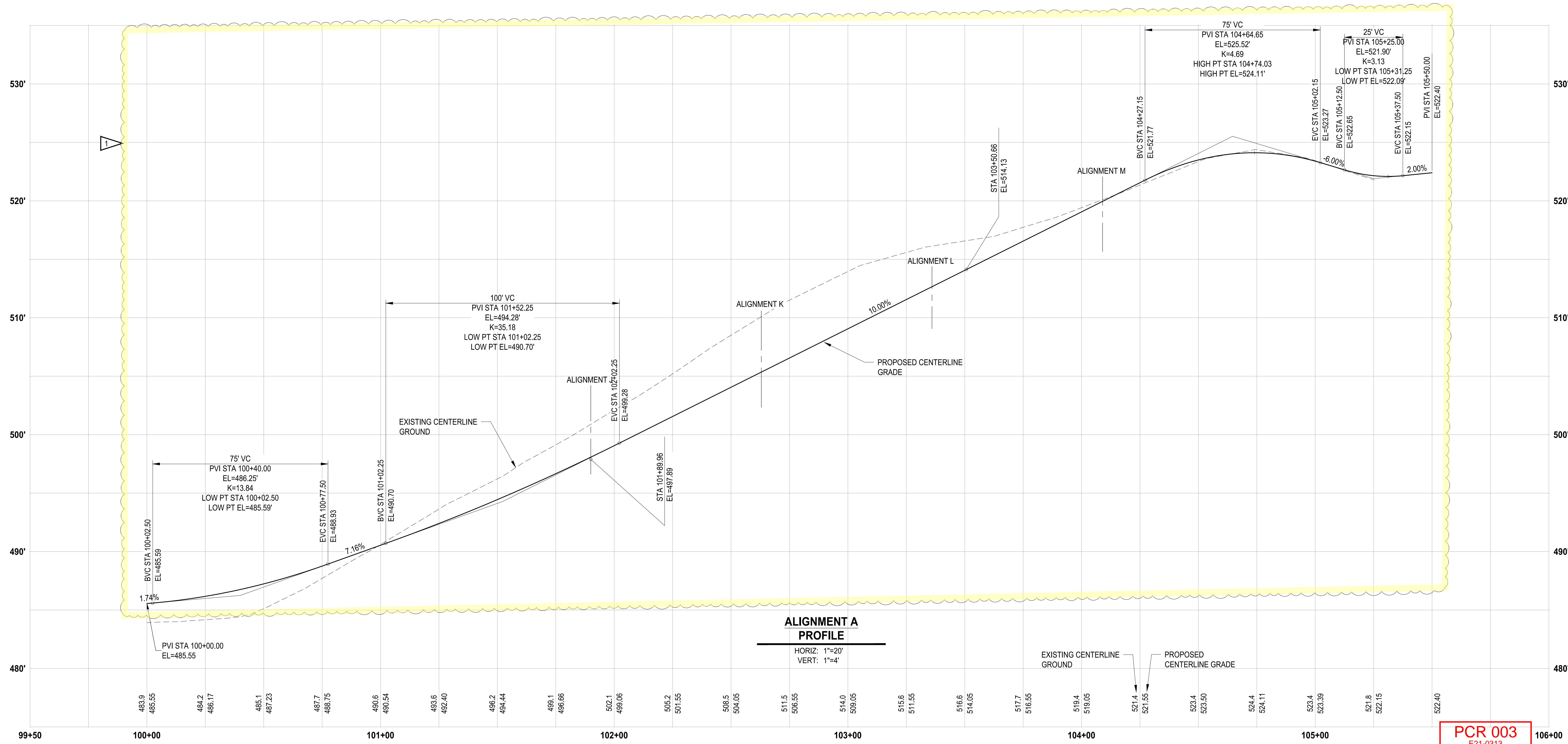
APPROVED

BY: \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE: \_\_\_\_\_

NOTE: THIS APPROVAL IS VOID  
AFTER 180 DAYS FROM APPROVAL  
DATE.  
THE CITY WILL NOT BE  
RESPONSIBLE FOR ERRORS  
AND/OR OMISSIONS ON THESE  
PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE  
DEVELOPMENT ENGINEERING  
MANAGER.

Walls ONLY  
PRRWF20230497



PCR 003  
E21-0313

NOTE: SYMBOLS NOT TO SCALE  
100% REVIEW SUBMITTAL

LAYOUT: GR-06  
PATH: U:\P\SD\Projects\217-7312-004-SH&T\ParkingExpansion\995\CAADD\DWG  
PLOTTED BY: CorraWili DATE: Friday, August 11, 2023 3:48:46 PM

NO.	REVISIONS	DATE	BY	DESIGNED	CHECKED	APPROVED
1	PCR: 2 GRADING REVISIONS	7/28/23	WZG	WZG	RLP	DMS

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME  
05-PSO731200C-GR  
JOB No.  
217-7312-004  
DATE  
JULY 2022



**Parametrix**  
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
P 253.604.6600  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS & TECHNOLOGY CENTER PARKING EXPANSION**  
PUYALLUP, WA

**ALIGNMENT A PROFILE**

DRAWING NO.  
35 OF 58  
**GR-06**

APPROVED

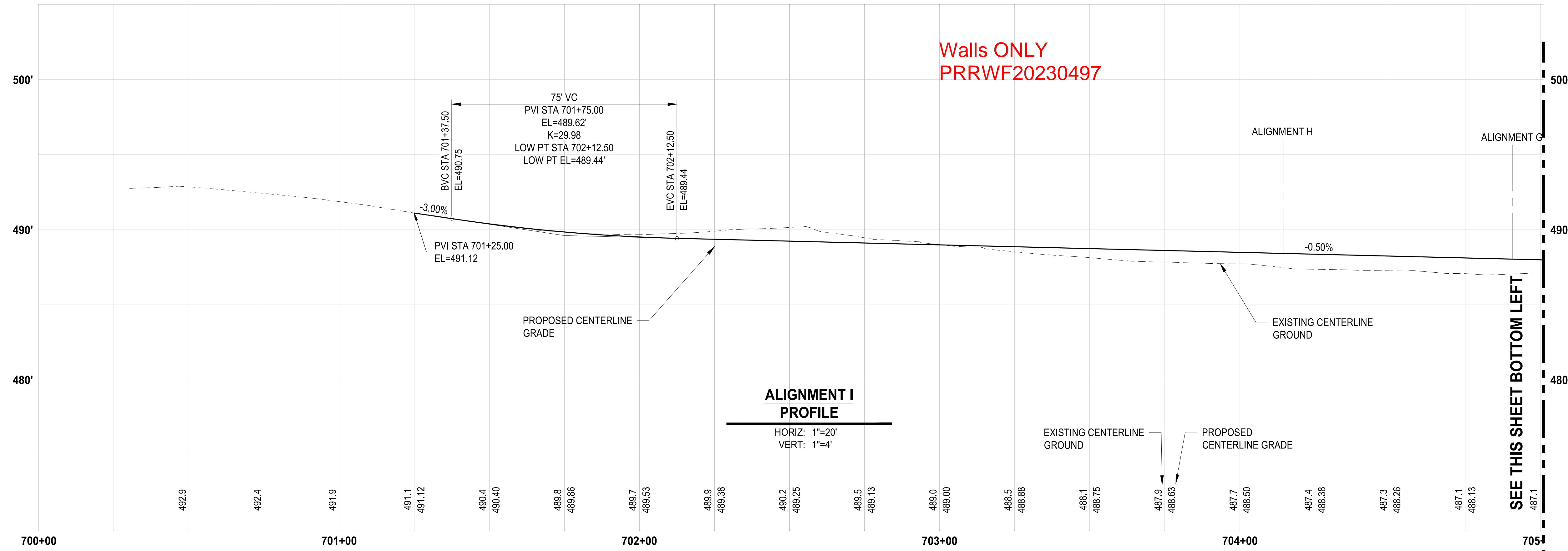
BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

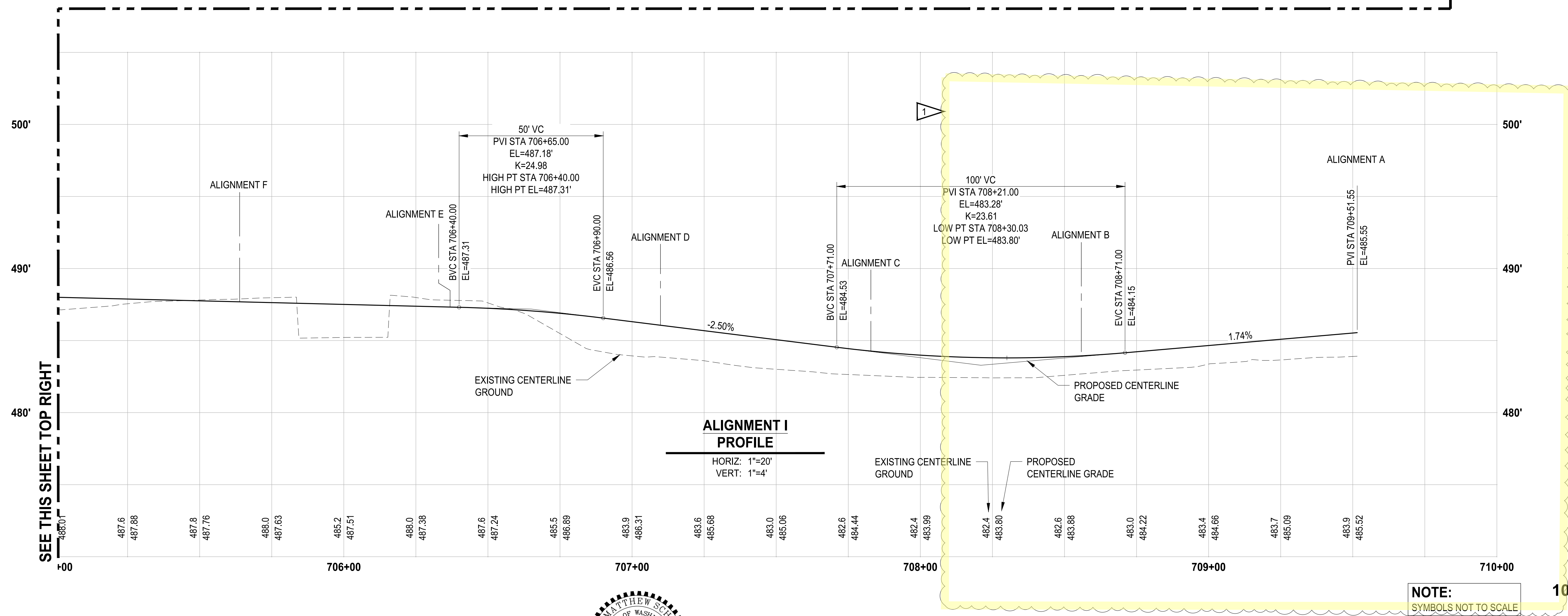
NOTE: THIS APPROVAL IS VOID  
AFTER 180 DAYS FROM APPROVAL  
DATE.  
THE CITY WILL NOT BE  
RESPONSIBLE FOR ERRORS  
AND/OR OMISSIONS ON THESE  
PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE  
DEVELOPMENT ENGINEERING  
MANAGER.



Know what's below.  
Call before you dig.



Walls ONLY  
PRRWF20230497



PCR 003  
E21-0313

NOTE:  
SYMBOLS NOT TO SCALE

100% REVIEW SUBMITTAL

PATH: u:\p50\Projects\Clients\212-Beneroya\212-7312-004-SH&E\CParkingExpansion\995\cva\CADD\DWG PLOTTED By: Gerravilli DATE: Friday, August 11, 2023 3:46:53 PM LAYOUT: GR-11

REVISIONS	DATE	BY	DESIGNED	WZG
1	7/28/23		DRAWN	RLP
			CHECKED	DMS
			APPROVED	DMS

**ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY**

FILE NAME  
05-PSO731200C-GR

JOB No.  
217-7312-004

DATE  
JULY 2022



**Parametrix**  
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
P 253.604.6600  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS &  
TECHNOLOGY CENTER  
PARKING EXPANSION**  
PUYALLUP, WA

**ALIGNMENT I PROFILE**

DRAWING NO.  
40 OF 58  
**GR-11**

APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

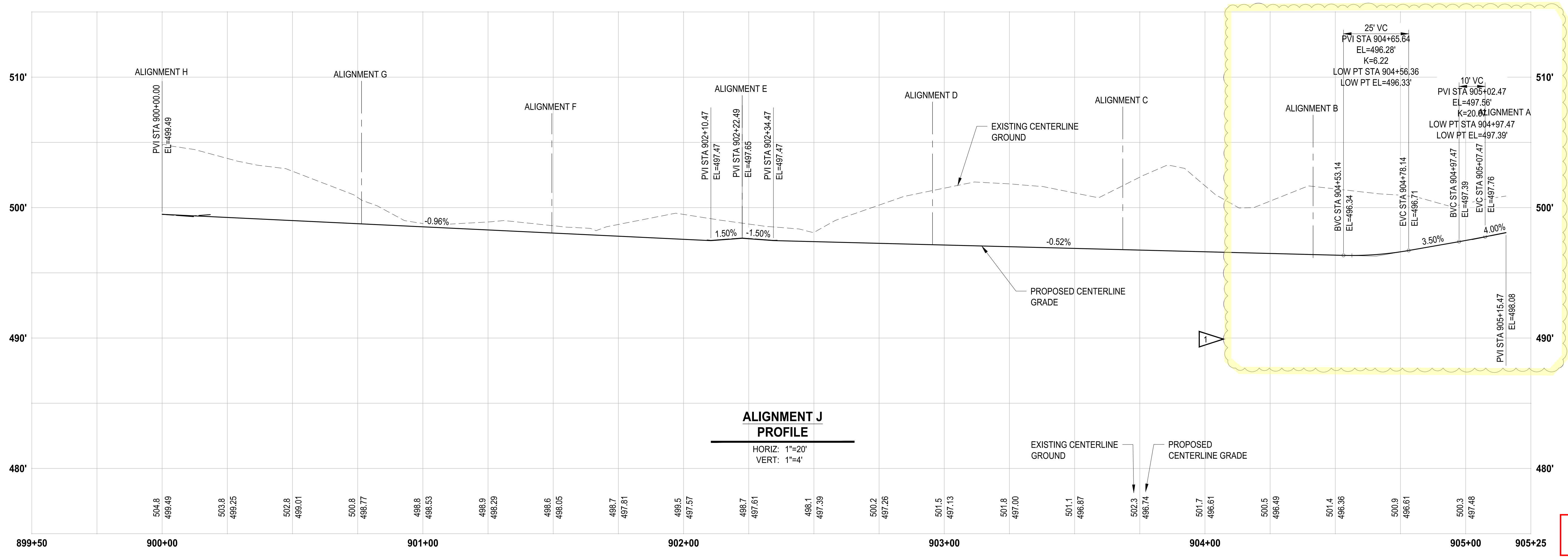
DATE:

NOTE: THIS APPROVAL IS VOID  
AFTER 180 DAYS FROM APPROVAL.  
THE CITY WILL NOT BE  
RESPONSIBLE FOR ERRORS  
AND/OR OMISSIONS ON THESE  
PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE  
DEVELOPMENT ENGINEERING  
MANAGER.



Know what's below.  
Call before you dig.

Walls ONLY  
PRRWF20230497



PCR 003  
E21-0313

NOTE: SYMBOLS NOT TO SCALE  
100% REVIEW SUBMITTAL

LAYOUT: GR-12 PATH: U:\PSO\Projects\Clients\7312-Benaroya\217-7312-004\_SIB&CParkingExpansion\995sec\CADD\DWG PLOTTED BY: CorraWili DATE: Friday, August 11, 2023 3:48:55 PM

REVISIONS	DATE	BY	DESIGNED
1	07/28/23	WZG	WZG
			RLP
			DMS
			DMS

**ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY**

FILE NAME: 05-PSO731200C-GR  
JOB No. 217-7312-004  
DATE: JULY 2022



**Parametrix**  
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
P 253.604.6600  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS & TECHNOLOGY CENTER PARKING EXPANSION**  
PUYALLUP, WA

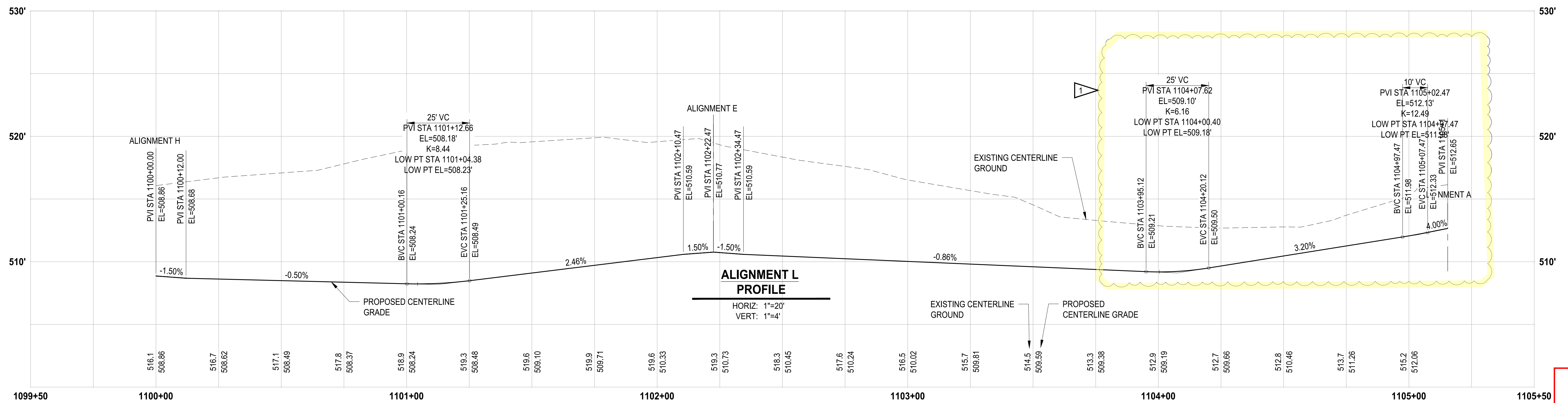
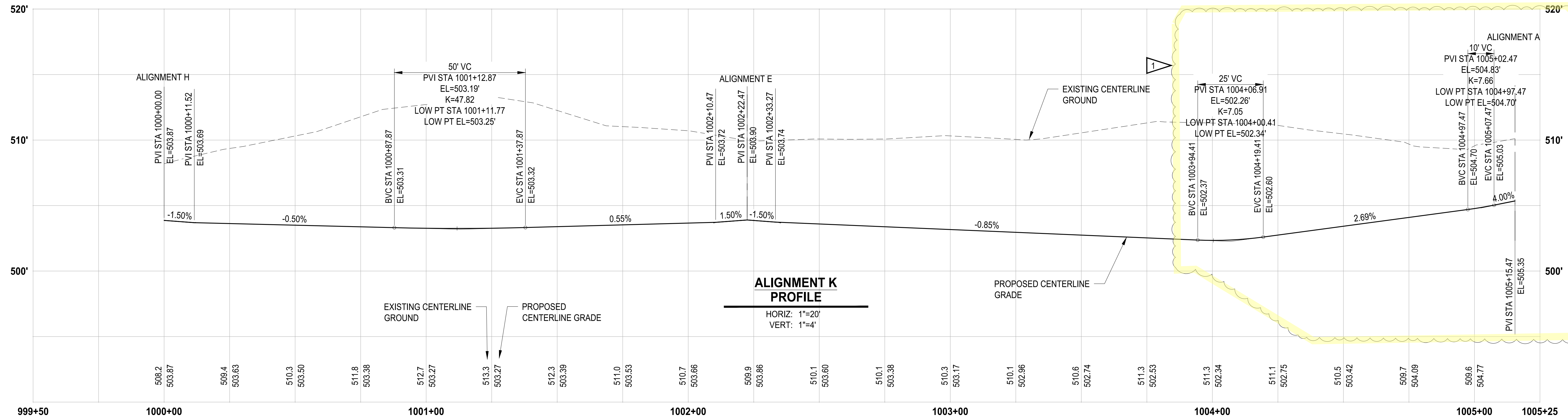
**ALIGNMENT J PROFILE**

DRAWING NO.  
41 OF 58  
**GR-12**



Know what's below.  
Call before you dig.

Walls ONLY  
PRRWF20230497



PCR 003  
E21-0313

NOTE:  
SYMBOLS NOT TO SCALE

100% REVIEW SUBMITTAL

LAYOUT: 08-13 PATH: u:\p\sd\Projects\Chertis\312-Benaroya\217-7312-004-SH&S\OParkingExpansion\995\cadd\cadd.dwg PLOTTED BY: Garrahi DATE: Friday, August 11, 2023 3:46:59 PM

REVISIONS	DATE	BY	DESIGNED
1	07/28/23	WZG	WZG

DRAWN	RLP
CHECKED	DMS
APPROVED	DMS

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME  
05-PSO731200C-GR

JOB No.  
217-7312-004

DATE  
JULY 2022



**Parametrix**  
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
P 253.604.6600  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS & TECHNOLOGY CENTER PARKING EXPANSION**  
PUYALLUP, WA

**ALIGNMENT K & L PROFILES**

DRAWING NO.  
42 OF 58

**GR-13**



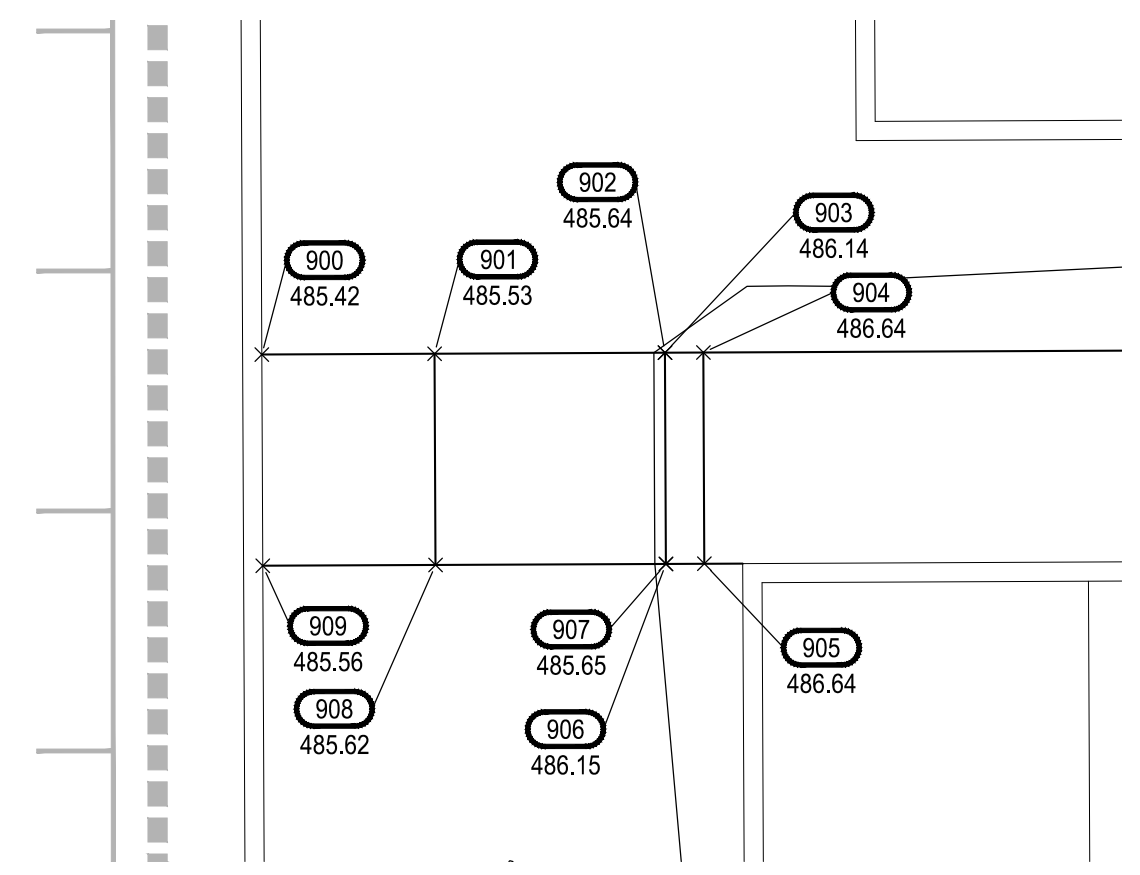




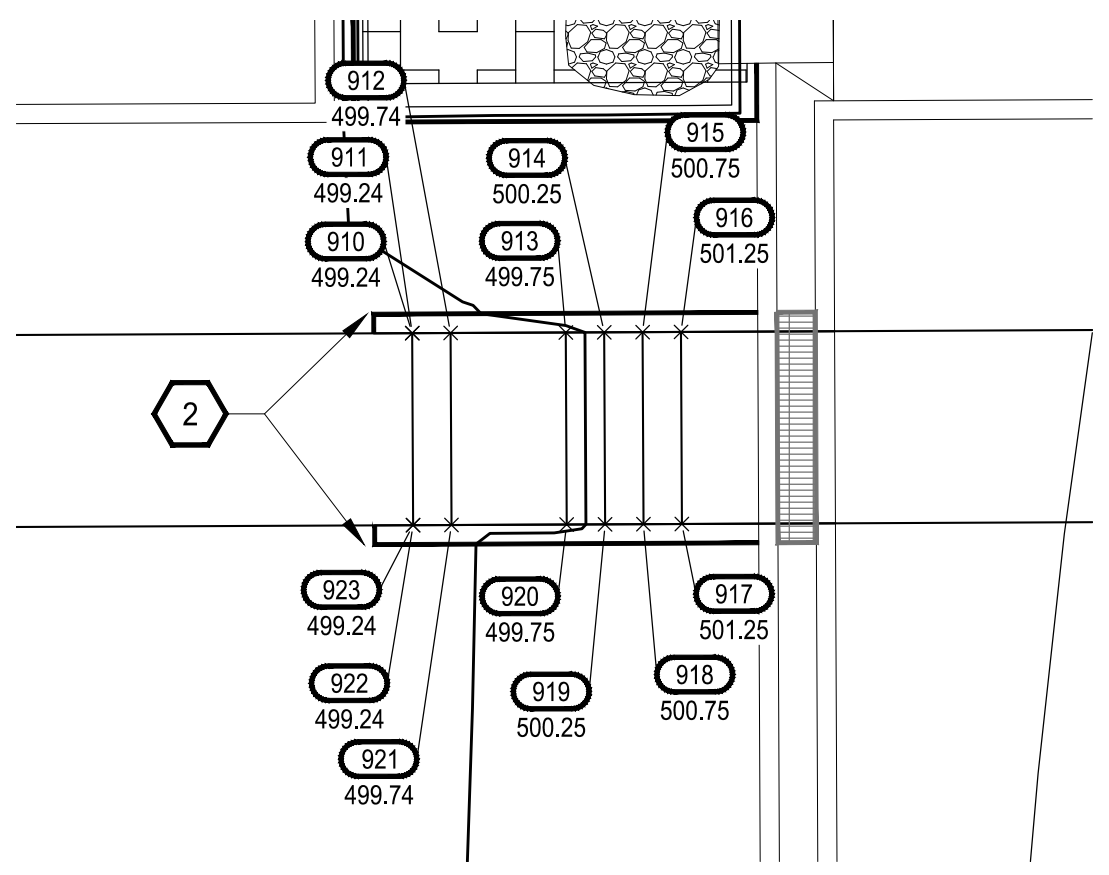
**LEGEND:**

- EXISTING MAJOR CONTOUR LINE
- EXISTING MINOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- PROPOSED MAJOR CONTOUR LINE
- ROADWAY CENTERLINE
- PROPERTY BOUNDARY
- CUT LIMITS
- FILL LIMITS

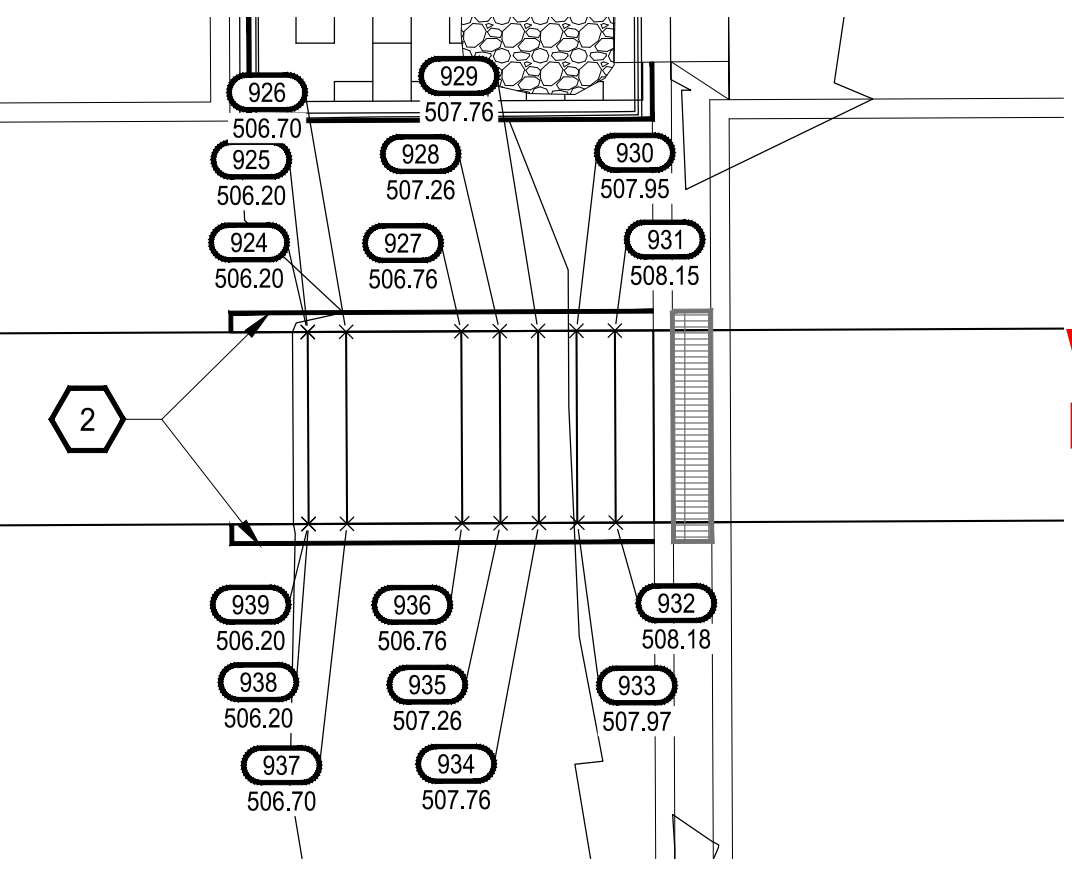
**Walls ONLY**  
**PRRWF20230497**



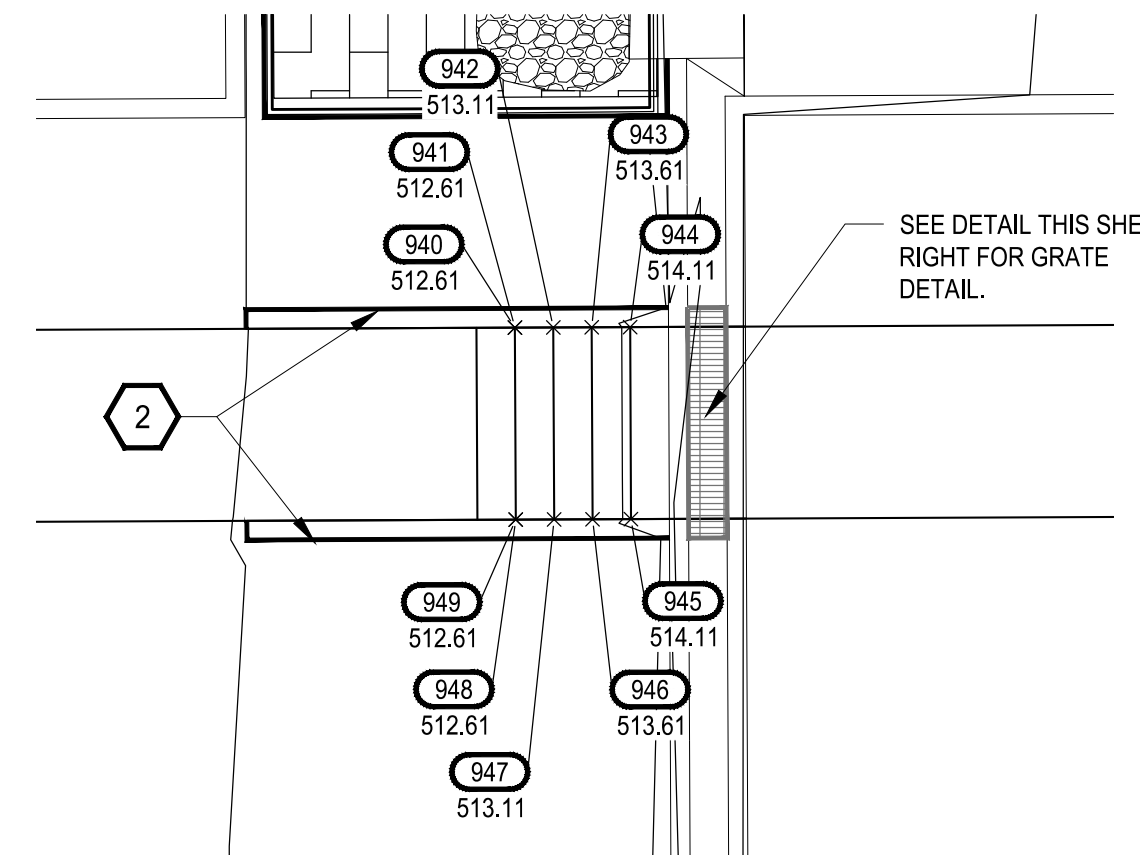
**STAIR AND HAND RAIL DETAIL**  
1"=5' GR-01



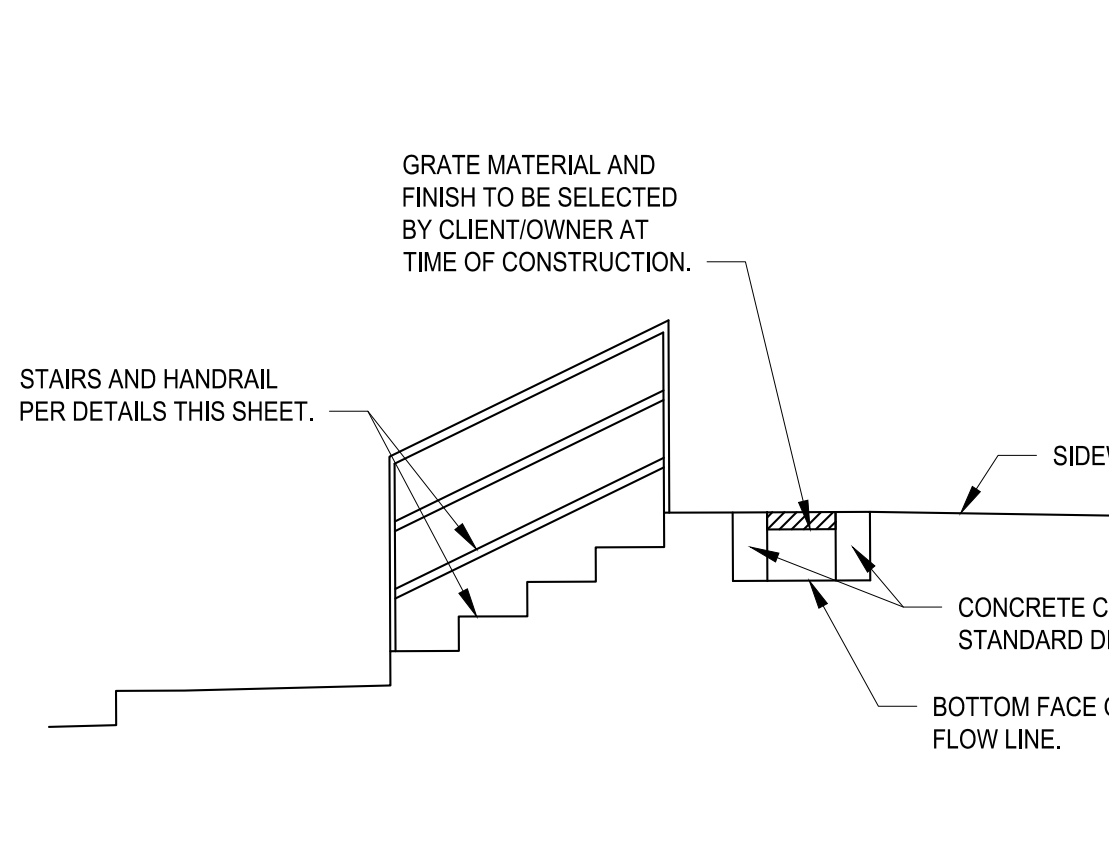
**STAIR AND HAND RAIL DETAIL**  
1"=5' GR-02



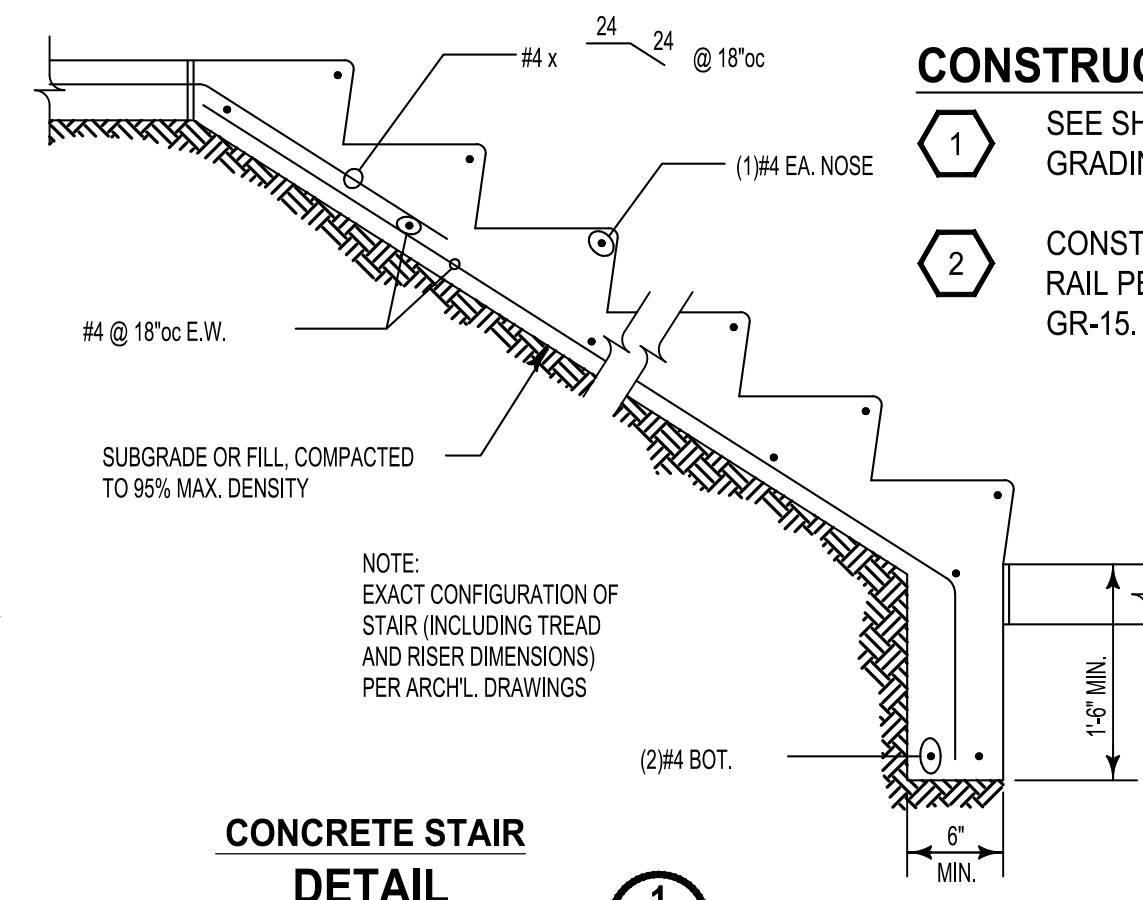
**STAIR AND HAND RAIL DETAIL**  
1"=5' GR-02



**STAIR AND HAND RAIL DETAIL**  
1"=5' GR-02



**GUTTER & GRATE DETAIL**  
1"=5' GR-15



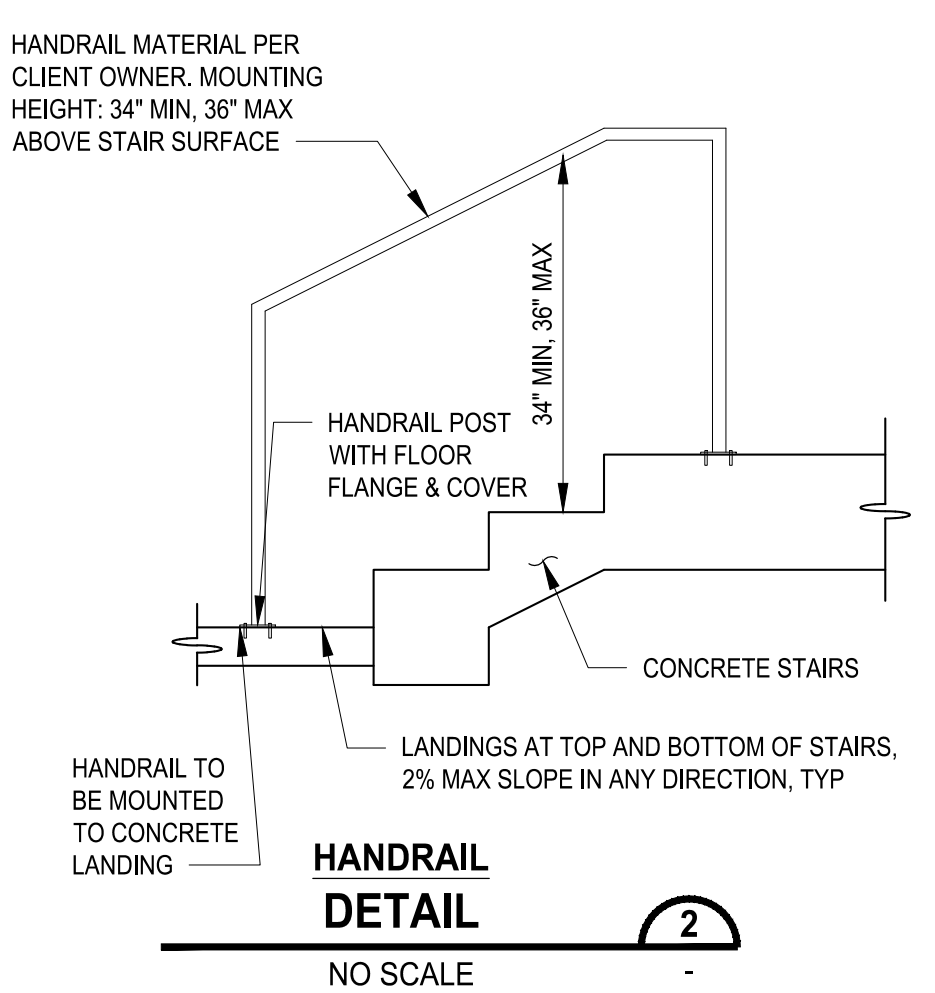
**CONCRETE STAIR DETAIL**  
NO SCALE

**CONSTRUCTION NOTE:**

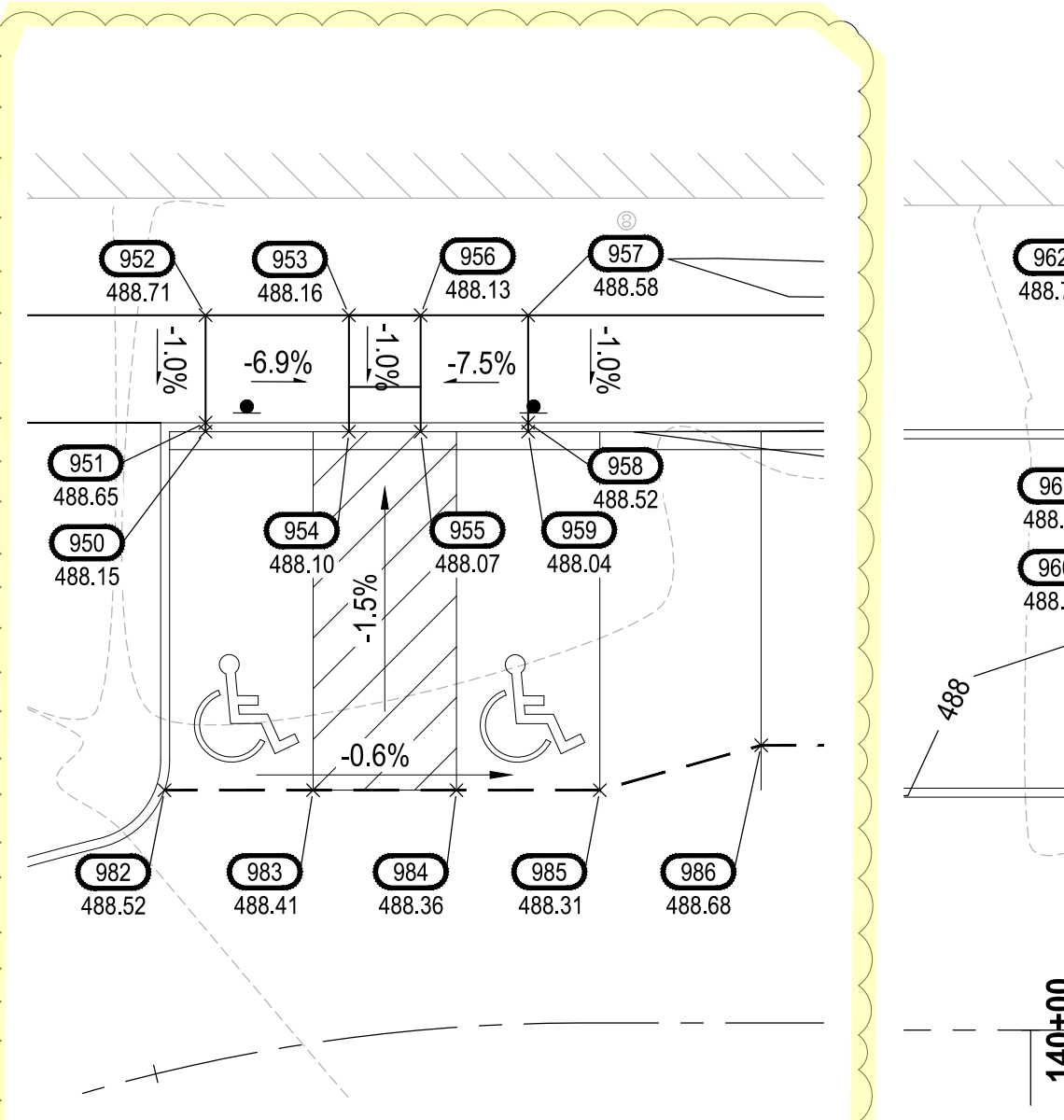
- SEE SHEET GR-15 FOR STAIR GRADING DETAILS.
- CONSTRUCT STAIRS AND HAND RAIL PER DETAIL ON SHEET GR-15.

**GENERAL NOTE:**

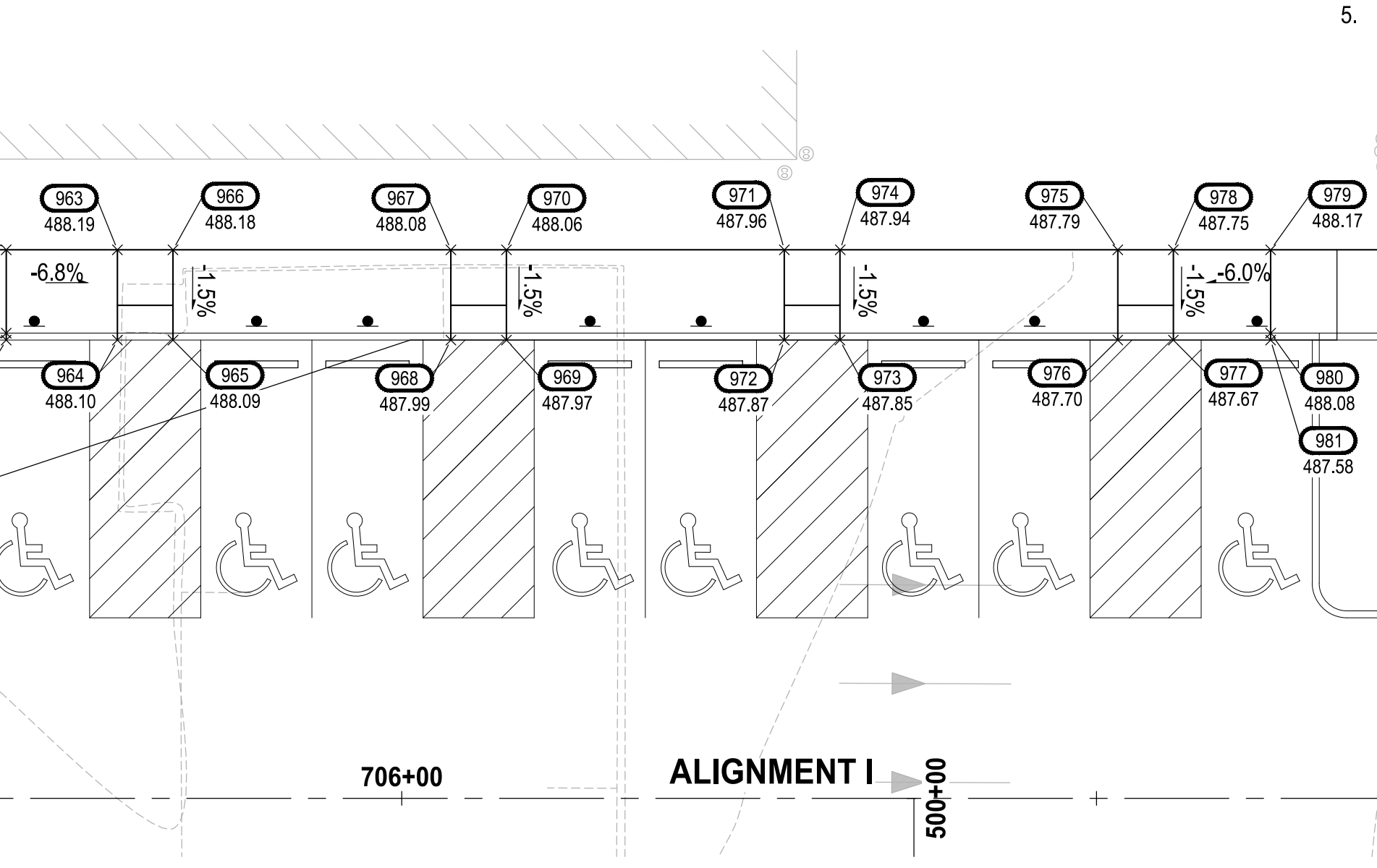
- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK.
- CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND GRADES.
- TYPICAL ROAD SECTIONS ARE SHOWN ON SHEET TS-01.
- GRADING POINT TABLES ARE SHOWN ON SHEETS GR-15 THROUGH GR-19.
- INFILTRATION PLANTER WALL HEIGHTS IDENTIFIES DIMENSION FROM BOTTOM OF FOOTING TO TOP OF WALL.



**HANDRAIL DETAIL**  
NO SCALE



**CURB RAMP DETAIL**  
1"=10' GR-03



**CURB RAMP AT ADA PARKING STALLS DETAIL**  
1"=10' GR-01, GR-03

POINT TABLE FOR GR-15				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
900	485.42	671009.04	1197831.31	TBC, ES
901	485.53	671009.06	1197835.81	ES
902	485.64	671009.09	1197841.81	BS
903	486.14	671009.09	1197841.81	TS
904	486.64	671009.09	1197842.81	TS
905	486.64	671003.59	1197842.83	TS
906	486.15	671003.59	1197841.83	TS
907	485.65	671003.59	1197841.83	BS
908	485.62	671003.56	1197835.83	ES
909	485.56	671003.54	1197831.33	TBC, ES
910	499.24	671010.15	1198077.31	BS
911	499.24	671010.15	1198077.31	TS
912	499.74	671010.15	1198078.31	TS
913	499.75	671010.17	1198081.31	TS
914	500.25	671010.17	1198082.31	TS
915	500.75	671010.18	1198083.31	TS
916	501.25	671010.18	1198084.31	TS
917	501.25	671005.18	1198084.33	TS
918	500.75	671005.18	1198083.33	TS
919	500.25	671005.17	1198082.33	TS
920	499.75	671005.17	1198081.33	TS
921	499.74	671005.15	1198078.33	TS
922	499.24	671005.15	1198077.33	TS
923	499.24	671005.15	1198077.33	BS
924	506.20	671010.48	1198150.31	BS
925	506.20	671010.48	1198150.31	TS
926	506.70	671010.48	1198151.31	TS
927	506.76	671010.50	1198154.31	TS
928	507.26	671010.50	1198155.31	TS
929	507.76	671010.51	1198156.31	TS
930	507.95	671010.51	1198157.31	TS
931	508.15	671010.51	1198158.31	TS
932	508.18	671005.52	1198158.33	TS
933	507.97	671005.51	1198157.33	TS
934	507.76	671005.51	1198156.33	TS
935	507.26	671005.50	1198155.33	TS
936	506.76	671005.50	1198154.33	TS
937	506.70	671005.48	1198151.33	TS
938	506.20	671005.48	1198150.33	TS
939	506.20	671005.48	1198150.33	BS
940	512.61	671010.83	1198228.31	BS
941	512.61	671010.83	1198228.31	TS
942	513.11	671010.83	1198229.31	TS
943	513.61	671010.84	1198230.31	TS
944	514.11	671010.84	1198231.31	TS
945	514.11	671005.84	1198231.33	TS
946	513.61	671005.84	1198230.33	TS
947	513.11	671005.83	1198229.33	TS
948	512.61	671005.83	1198228.33	TS
949	512.61	671005.83	1198228.33	BS
950	488.15	670613.98	1197786.59	BFC
951	488.65	670613.98	1197786.09	TBC

POINT TABLE FOR GR-15				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
952	488.71	670613.96	1197780.09	BW, TR
953	488.16	670621.96	1197780.05	BW, BR
954	488.10	670621.98	1197786.55	BFC
955	488.07	670625.98	1197786.54	BFC
956	488.13	670625.96	1197780.04	BW, BR
957	488.58	670631.96	1197780.01	BW, TR
958	488.52	670631.98	1197786.01	TBC
959	488.04	670631.98	1197786.51	BFC
960	488.14	670632.51	1197785.61	BFC
961	488.64	670632.51	1197785.11	TBC
962	488.73	670632.48	1197779.11	BW, TR
963	488.19	670840.48	1197779.07	BW, BR
964	488.10	670840.51	1197785.57	BFC
965	488.09	670844.51	1197785.55	BFC
966	488.18	670844.48	1197779.05	BW
967	488.08	670864.48	1197778.96	BW
968	487.99	670864.51	1197785.46	BFC
969	487.97	670868.51	1197785.44	BFC
970	488.06	670868.48	1197778.94	BW
971	487.96	670888.48	1197778.85	BW
972	487.87	670888.51	1197785.35	BFC
973	487.85	670892.51	1197785.34	BFC
974	487.94	670892.51	1197778.84	BW
975	487.79	670912.48	1197778.75	BW
976	487.70	670912.51	1197785.25	BFC
977	487.67	670916.51	1197785.23	BFC
978	487.75	670916.48	1197778.73	BW, BR
979	488.17	670923.48	1197778.70	BW, TR
980	488.08	670923.51	1197784.70	TBC
981	487.58	670923.51	1197785.20	BFC
982	488.52	670611.79	1197806.60	GB
983	488.41	670620.07	1197806.56	GB
984	488.36	670628.07	1197806.53	GB
985	488.31	670636.07	1197806.49	GB
986	488.68	670645.06	1197803.95	GB

**ABBREVIATION TABLE**

AP	ANGLE POINT
BFC	BOTTOM FACE OF CURB
BFW	BOTTOM FACE OF WALL
BR	BOTTOM OF RAMP
BS	BOTTOM OF STAIR
BW	BACK OF WALK
CC	CURB CUT
CVF	CONTRACTOR TO VERIFY IN FIELD
EA	EDGE OF ASPHALT
EC	EDGE OF CONCRETE
ES	EDGE OF SIDEWALK
FL	FLOW LINE
GB	GRADE BREAK
MC	MIDDLE OF CURVE
ME	MATCH EXISTING
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
TBC	TOP BACK OF CURB
TBW	TOP BACK OF WALL
TR	TOP OF RAMP
TS	TOP OF STAIR

**PCR 003**  
E21-0313

**NOTE:** SYMBOLS NOT TO SCALE

**100% REVIEW SUBMITTAL**

NO.	REVISIONS	DATE	BY	DESIGNED	CHECKED	APPROVED
1	GRADING REVISIONS TO BUILDING SIDEWALK	6/15/23	WZG	WZG	DMS	DMS

**ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY**

FILE NAME: 05-PSO731200C-GR  
JOB No: 217-7312-004  
DATE: JULY 2022

**Parametrix**  
ENGINEERING, PLANNING, ENVIRONMENTAL SCIENCES

1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
P 253.604.6600  
WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS & TECHNOLOGY CENTER PARKING EXPANSION**  
PUYALLUP, WA

**GRADING PLAN STAIR DETAILS**

DRAWING NO.  
44 OF 58  
**GR-15**

LAYOUT: GR-15  
PATH: U:\PSD\Projects\Chien\217-2312-004\_South Hill Technology Center\05-PSO731200C\DWG  
PLOTED BY: Corrahill DATE: Friday, August 11, 2023 3:49:12 PM



APPROVED

BY: \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE: \_\_\_\_\_

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.



Walls ONLY  
PRRFW20230497

POINT TABLE FOR GR-02				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
200	500.06	671179.11	1198067.05	BFC, PT
201	502.94	671179.24	1198096.05	BFC, PC
202	503.49	671177.43	1198101.83	BFC, MC
203	503.90	671172.61	1198105.50	BFC, PCC
204	503.67	671169.27	1198103.16	BFC, PT
205	502.67	671169.19	1198086.10	BFC, AP
206	500.79	671099.17	1198086.69	CC
207	500.46	671076.88	1198086.90	CC
208	500.69	671047.52	1198087.11	CC
209	500.73	671097.19	1198086.41	BFC, AP
210	501.76	671097.27	1198103.91	BFC, PC
211	501.86	671094.78	1198106.43	BFC, PT
212	501.68	671081.78	1198106.48	BFC, PC
213	501.50	671079.27	1198104.00	BFC, PT
214	500.47	671079.19	1198086.50	BFC, AP
215	500.94	671018.19	1198087.28	CC
216	500.97	671016.20	1198087.78	BFC, AP
217	501.96	671016.27	1198104.28	BFC, PC
218	502.14	671013.78	1198106.79	BFC, PT
219	502.32	670991.78	1198106.89	BFC, PC
220	502.19	670989.27	1198104.40	BFC, PT
221	501.20	670989.20	1198087.90	BFC, AP
222	502.01	670926.19	1198087.18	BFC, AP
223	502.73	670926.27	1198104.68	BFC, PC
224	502.90	670923.78	1198107.20	BFC, PT
225	502.92	670921.28	1198107.21	BFC, PC
226	502.29	670914.20	1198104.31	BFC, MC
227	501.65	670911.24	1198097.25	BFC, PT
228	499.16	670911.11	1198068.25	BFC, PC
229	499.03	670914.01	1198061.17	BFC, MC
230	498.65	670921.06	1198058.21	BFC, PT
231	498.13	670923.56	1198058.20	BFC, PC
232	498.18	670926.07	1198060.68	BFC, PT
233	499.05	670926.14	1198075.18	BFC, AP
234	498.80	670991.14	1198074.89	BFC, AP
235	497.93	670991.07	1198060.39	BFC, PC
236	497.76	670993.56	1198057.88	BFC, PT
237	497.66	671013.56	1198057.79	BFC, PC
238	497.80	671016.07	1198060.28	BFC, PT
239	498.67	671016.14	1198074.78	BFC, AP
240	498.34	671080.14	1198074.49	BFC, AP
241	497.47	671080.07	1198059.99	BFC, PC
242	497.30	671082.56	1198057.48	BFC, PT
243	497.24	671094.56	1198057.43	BFC, PC
244	497.38	671097.07	1198059.92	BFC, PT
245	498.25	671097.14	1198074.42	BFC, AP
246	498.95	671169.14	1198074.09	BFC, AP
247	498.11	671169.07	1198060.02	BFC, PC
248	498.10	671172.40	1198057.65	BFC, PCC
249	499.08	671177.24	1198061.28	BFC, MC
250	507.31	671179.43	1198140.05	BFC, PT
251	510.26	671179.57	1198169.05	BFC, PC
252	510.71	671177.76	1198174.83	BFC, MC
253	511.17	671172.94	1198178.50	BFC, PCC
254	510.92	671169.60	1198176.16	BFC, PT
255	509.92	671169.53	1198159.10	BFC, AP
256	507.69	671099.40	1198159.40	CC

POINT TABLE FOR GR-02				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
257	507.30	671077.42	1198159.91	506.31CC
258	507.78	671047.28	1198159.62	CC
259	507.61	671097.52	1198159.41	BFC, AP
260	508.64	671097.60	1198176.91	BFC, PC
261	508.74	671095.11	1198179.43	BFC, PT
262	508.54	671082.11	1198179.48	BFC, PC
263	508.35	671079.60	1198177.00	BFC, PT
264	507.32	671079.52	1198159.50	BFC, AP
265	507.79	671018.52	1198160.13	CC
266	507.84	671016.53	1198160.78	BFC, AP
267	508.83	671016.60	1198177.28	BFC, PC
268	508.00	671014.11	1198179.79	BFC, PT
269	509.19	670992.11	1198179.89	BFC, PC
270	509.06	670989.60	1198177.40	BFC, PT
271	508.07	670989.53	1198160.90	BFC, AP
272	508.58	670926.52	1198160.18	BFC, AP
273	509.61	670926.60	1198177.68	BFC, PC
274	509.79	670924.11	1198180.19	BFC, PT
275	509.81	670921.61	1198180.21	BFC, PC
276	509.17	670914.53	1198177.31	BFC, MC
277	508.54	670911.57	1198170.25	BFC, PT
278	505.80	670911.44	1198141.25	BFC, PC
279	505.08	670914.33	1198134.17	BFC, MC
280	504.36	670921.39	1198131.21	BFC, PT
281	504.34	670923.89	1198131.20	BFC, PC
282	504.47	670926.40	1198133.68	BFC, PT
283	505.34	670926.47	1198148.18	BFC, AP
284	504.79	670991.47	1198147.89	BFC, AP
285	503.92	670991.40	1198133.39	BFC, PC
286	503.75	670993.89	1198130.88	BFC, PT
287	503.58	671013.89	1198130.79	BFC, PC
288	503.70	671016.40	1198133.28	BFC, PT
289	504.57	671016.47	1198147.78	BFC, AP
290	504.12	671080.47	1198147.49	BFC, AP
291	503.25	671080.40	1198132.99	BFC, PC
292	503.14	671082.89	1198130.48	BFC, PT
293	503.30	671094.89	1198130.43	BFC, PC
294	503.50	671097.40	1198132.91	BFC, PT
295	504.37	671097.47	1198147.41	BFC, AP
296	506.31	671169.47	1198147.09	BFC, AP
297	505.46	671169.40	1198133.02	BFC, PC
298	505.50	671172.73	1198130.65	BFC, PCC
299	506.32	671177.57	1198134.28	BFC, MC
300	514.61	671179.76	1198213.04	BFC, PT
301	517.91	671179.89	1198242.04	BFC, PC
302	518.15	671178.08	1198247.83	BFC, MC
303	518.36	671173.27	1198251.50	BFC, PCC
304	518.06	671169.93	1198249.16	BFC, PT
305	517.07	671169.86	1198232.10	BFC, AP
306	513.36	671046.98	1198233.32	CC
307	513.50	671018.92	1198233.31	CC
308	513.73	671099.82	1198233.19	CC
309	513.62	671097.85	1198232.41	BFC, AP
310	514.65	671097.93	1198249.91	BFC, PC
311	514.69	671095.44	1198252.42	BFC, PT
312	514.40	671082.44	1198252.48	BFC, PC
313	514.23	671079.93	1198249.99	BFC, PT
314	513.55	671079.85	1198232.49	BFC, AP
315	513.22	671077.69	1198233.30	CC
316	513.52	671016.85	1198233.78	BFC, AP

POINT TABLE FOR GR-02				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
317	514.51	671016.93	1198250.28	BFC, PC
318	514.68	671014.44	1198252.79	BFC, PT
319	514.79	670992.44	1198252.89	BFC, PC
320	514.65	670989.93	1198250.40	BFC, PT
321	513.66	670989.85	1198233.90	BFC, AP
322	513.93	670926.85	1198233.18	BFC, AP
323	514.96	670926.93	1198250.68	BFC, PC
324	515.13	670924.44	1198253.19	BFC, PT
325	515.14	670921.94	1198253.21	BFC, PC
326	514.85	670914.86	1198250.31	BFC, MC
327	514.55	670911.90	1198243.25	BFC, PT
328	512.45	670911.77	1198214.25	BFC, PC
329	511.85	670914.66	1198207.17	BFC, MC
330	511.25	670921.72	1198204.21	BFC, PT
331	511.23	670924.22	1198204.19	BFC, PC
332	511.35	670926.73	1198208.68	BFC, PT
333	512.22	670926.80	1198221.18	BFC, AP
334	511.65	670991.80	1198220.85	BFC, AP
335	510.78	670991.73	1198206.35	BFC, PC
336	510.61	670994.22	1198203.84	BFC, PT
337	510.43	671014.22	1198203.79	BFC, PC
338	510.60	671016.73	1198206.28	BFC, PT
339	511.47	671016.80	1198220.78	BFC, AP
340	510.97	671080.80	1198220.49	BFC, AP
341	510.10	671080.73	1198205.99	BFC, PC
342	509.99	671083.22	1198203.48	BFC, PT
343	510.18	671095.22	1198203.43	BFC, PC
344	510.38	671097.73	1198205.91	BFC, PT
345	511.25	671097.80	1198220.41	BFC, AP
346	513.56	671097.79	1198220.09	BFC, AP
347	512.71	671169.73	1198206.02	BFC, PC
348	512.65	671173.05	1198203.65	BFC, PCC
349	513.63	671177.90	1198207.28	BFC, MC
350	523.58	671206.40	1198355.04	BFC, PC
351	522.68	671213.84	1198372.72	BFC, PC
352	520.03	671229.15	1198379.82	BFC, ME
353	523.68	671155.42	1198380.27	BFC, PC, ME
354	523.44	671173.12	1198372.90	BFC, MC
355	523.19	671180.40	1198355.16	BFC, PT
356	521.89	671180.09	1198286.04	BFC, PC
357	520.88	671178.23	1198280.28	BFC, MC
358	519.87	671173.38	1198276.65	BFC, PCC
359	519.85	671170.06	1198279.02	BFC, PT
360	520.70	671170.12	1198293.09	BFC, AP
361	517.26	671098.12	1198293.41	BFC, AP
362	516.39	671098.06	1198278.91	BFC, PC
363	516.13	671095.55	1198276.42	BFC, PT
364	515.84	671083.55	1198276.48	BFC, PC
365	515.98	671081.06	1198278.99	BFC, PT
366	516.85	671081.12	1198293.49	BFC, AP
367	517.12	671017.12	1198293.78	BFC, AP
368	516.25	671017.06	1198279.28	BFC, PC
369	516.12	671014.55	1198276.79	BFC, PT
370	516.18	671002.55	1198276.84	BFC, PC
371	516.34	671000.06	1198279.35	BFC, PT
372	517.21	671000.12	1198293.85	BFC, AP
373	517.65	670912.13	1198294.25	BFC, AP
374	516.78	670912.13	1198279.75	BFC, PC
375	516.67	670909.55	1198277.26	BFC, PT
376	516.67	670890.55	1198277.35	BFC, PC

POINT TABLE FOR GR-02				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
377	516.78	670888.06	1198279.86	BFC, PT
378	517.65	670888.13	1198294.36	BFC, AP
379	511.96	670872.80	1198221.43	BFC, AP
380	511.09	670872.73	1198206.93	BFC, PC
381	511.00	670875.22	1198204.42	BFC, PT
382	510.47	670877.72	1198204.40	BFC, PC
383	511.46	670884.81	1198207.30	BFC, MC
384	512.45	670887.77	1198214.36	BFC, PT
385	514.55	670887.90	1198243.36	BFC, PC
386	514.93	670885.00	1198250.44	BFC, MC
387	515.24	670877.94	1198253.40	BFC, PT
388	515.25	670875.44	1198253.41	BFC, PC
389	515.12	670872.93	1198250.93	BFC, PT
390	514.08	670872.85	1198233.43	BFC, AP
392				

LAYOUT: GR-19  
 PATH: u:\p\50\Projects\Chen\217-2312-004-SHBC\OP\Grading\Expansion\995\cadd\DWG  
 PLOTTED BY: Corrailli DATE: Friday, August 11, 2023 3:49:22 PM

POINT TABLE FOR GR-04				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
700	500.86	670842.20	1198087.56	FL, CC
701	500.86	670802.28	1198087.74	CC
702	501.36	670800.20	1198087.75	BFC, AP
703	502.40	670800.27	1198105.29	BFC, PC
704	502.55	670797.79	1198107.80	BFC, PT
705	502.54	670784.79	1198107.82	BF, PC
706	502.39	670782.27	1198105.33	BFC, PT
707	501.36	670782.20	1198087.83	BFC, AP
708	500.86	670780.21	1198087.84	CC
709	501.73	670701.20	1198088.20	BFC, AP
710	502.76	670701.28	1198105.70	BFC, PC
711	502.92	670698.79	1198108.21	BFC, PCC
712	502.78	670691.73	1198105.31	BFC, MC
713	502.37	670688.77	1198098.25	BFC, PT
714	500.63	670688.64	1198069.25	BFC, PC
715	500.15	670691.54	1198062.17	BFC, MC
716	500.00	670698.60	1198059.21	BFC, PT
717	499.99	670699.57	1198059.20	BFC, PC
718	500.11	670702.08	1198061.69	BFC, PT
719	500.98	670702.14	1198076.19	BFC, AP
720	500.22	670782.14	1198075.83	BFC, AP
721	499.35	670782.08	1198061.33	BFC, PC
722	499.17	670784.56	1198058.82	BFC, PT
723	499.06	670796.56	1198058.77	BFC, PC
724	499.18	670799.08	1198061.26	BFC, PT
725	500.05	670799.14	1198075.76	BFC, AP
727	505.98	670802.77	1198160.69	CC
728	506.48	670800.52	1198160.75	BFC, AP
729	507.47	670800.60	1198178.29	BFC, PC
730	507.59	670798.11	1198180.80	BFC, PT
731	507.51	670785.11	1198180.82	BFC, PC
732	507.36	670782.60	1198178.33	BFC, PT
733	506.48	670782.52	1198160.83	BFC, AP
734	505.98	670780.54	1198160.84	CC
735	506.72	670701.52	1198161.20	BFC, AP
736	507.75	670701.60	1198178.70	BFC, PC
737	507.91	670699.10	1198181.21	BFC, PCC
738	507.26	670692.05	1198178.30	BFC, MC
739	506.87	670689.10	1198171.25	BFC, PT
740	505.01	670688.97	1198142.25	BFC, PC
741	504.57	670691.87	1198135.17	BFC, MC
742	504.36	670698.93	1198132.21	BFC, PT
743	504.36	670699.89	1198132.20	BFC, PC
744	504.49	670702.41	1198134.69	BFC, PT
745	505.36	670702.47	1198149.19	BFC, AP
746	505.00	670782.47	1198148.83	BFC, AP
747	504.13	670782.40	1198134.33	BFC, PC
748	503.98	670784.89	1198131.82	BFC, PT
749	503.98	670796.89	1198131.77	BFC, PC
750	504.14	670799.40	1198134.26	BFC, PT
751	505.01	670799.47	1198148.76	BFC, AP
752	514.03	670842.86	1198233.56	CC
753	514.03	670814.35	1198233.69	CC
754	514.44	670800.85	1198233.75	BFC, AP
755	515.47	670800.93	1198251.25	BFC, PC
756	515.63	670798.44	1198253.76	BFC, PT
757	515.70	670785.44	1198253.82	BFC, PC
758	515.56	670782.93	1198251.33	BFC, PT
759	514.53	670782.85	1198233.83	BFC, AP

POINT TABLE FOR GR-04				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
760	514.03	670780.86	1198233.84	CC
761	514.80	670728.85	1198234.07	BFC, AP
762	515.60	670728.93	1198251.57	BFC, PC
763	515.70	670726.44	1198254.09	BFC, PT
764	515.77	670723.01	1198254.10	BFC, PC
765	515.60	670719.18	1198253.36	BFC, MC
766	515.30	670715.93	1198251.20	BFC, PT
767	513.84	670700.51	1198235.92	BFC, PC
768	512.55	670694.06	1198227.41	BFC, MC
769	511.14	670690.24	1198217.44	BFC, PCC
770	510.12	670692.26	1198208.84	BFC, MC
771	509.35	670700.32	1198205.21	BFC, PCC
772	509.48	670702.73	1198207.70	BFC, PT
773	510.35	670702.80	1198222.19	BFC, AP
774	509.97	670782.80	1198221.63	BFC, AP
775	509.10	670782.73	1198207.33	BFC, PC
776	508.95	670785.22	1198204.82	BFC, PT
777	509.09	670797.22	1198204.77	BFC, PC
778	509.20	670799.73	1198207.26	BFC, PT
779	510.07	670799.80	1198221.75	BFC, AP
780	516.09	670800.13	1198294.75	BFC, AP
781	517.22	670800.06	1198280.25	BFC, PC
782	517.08	670797.55	1198277.77	BFC, PT
783	517.14	670785.55	1198277.82	BFC, PC
784	517.30	670783.06	1198280.33	BFC, PT
785	518.17	670783.13	1198294.83	BFC, AP
786	518.12	670719.13	1198295.12	BFC, AP
787	517.21	670719.06	1198280.02	BFC, PC
788	517.08	670717.00	1198277.57	BFC, PCC
789	516.83	670707.30	1198274.28	BFC, MC
790	516.02	670699.03	1198268.24	BFC, PT
791	514.56	670683.61	1198252.96	BFC, PC
792	512.71	670670.09	1198232.91	BFC, MC
793	510.75	670665.27	1198209.21	BFC, PT
794	508.14	670665.15	1198182.98	BFC, PC
795	507.96	670662.64	1198180.49	BFC, PT
796	508.23	670645.14	1198180.57	BFC, AP
797	500.93	670644.62	1198063.57	BFC, AP
798	500.67	670662.12	1198063.49	BFC, PC
799	500.48	670664.60	1198060.98	BFC, PT
1000	506.55	670842.53	1198160.56	CC

POINT TABLE FOR GR-05				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
800	491.64	670393.85	1197899.69	BFC, PT, ME
801	491.87	670385.56	1197900.08	BFC, MC, ME
802	492.09	670377.32	1197901.15	BFC, PC, ME
803	492.20	670371.93	1197902.07	BFC, ME
804	492.32	670366.54	1197903.00	BFC, PT, ME

Walls ONLY  
 PRRWF20230497



**APPROVED**  
 BY: \_\_\_\_\_  
 CITY OF PUYALLUP  
 DEVELOPMENT ENGINEERING  
 DATE: \_\_\_\_\_  
 NOTE: THIS APPROVAL IS VOID  
 AFTER 180 DAYS FROM APPROVAL  
 DATE. THE CITY WILL NOT BE  
 RESPONSIBLE FOR ERRORS  
 AND/OR OMISSIONS ON THESE  
 PLANS. FIELD CONDITIONS MAY DICTATE  
 CHANGES TO THESE PLANS AS  
 DETERMINED BY THE  
 DEVELOPMENT ENGINEERING  
 MANAGER.

ABBREVIATION TABLE	
AP	ANGLE POINT
BFC	BOTTOM FACE OF CURB
BFW	BOTTOM FACE OF WALL
BR	BOTTOM OF RAMP
BS	BOTTOM OF STAIR
BW	BACK OF WALK
CC	CURB CUT
CVF	CONTRACTOR TO VERIFY IN FIELD
EA	EDGE OF ASPHALT
EC	EDGE OF CONCRETE
ES	EDGE OF SIDEWALK
FL	FLOW LINE
GB	GRADE BREAK
MC	MIDDLE OF CURVE
ME	MATCH EXISTING
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
TBC	TOP BACK OF CURB
TBW	TOP BACK OF WALL
TR	TOP OF RAMP
TS	TOP OF STAIR

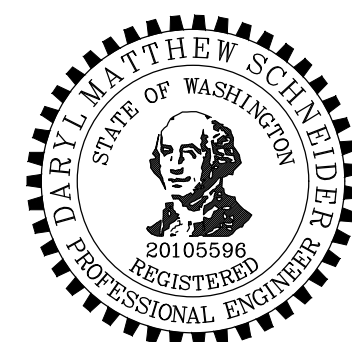
PCR 003  
 E21-0313

NOTE:  
 SYMBOLS NOT TO SCALE

100% REVIEW SUBMITTAL

NO.	REVISIONS	DATE	BY	DESIGNED	CHECKED	APPROVED
1	CITY ENGINEER COMMENTS	8/26/22	RLP	WZG	RLP	
2	PCR: 2 GRADING REVISIONS	7/28/23	WZG	WZG	DMS	

**ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY**  
 FILE NAME  
 05-PSO731200C-GR  
 JOB No.  
 217-7312-004  
 DATE  
 JULY 2022



**Parametrix**  
 ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES  
 1019 39TH AVENUE SE, SUITE 100 | PUYALLUP, WA 98374  
 P 253.604.6600  
 WWW.PARAMETRIX.COM

PROJECT NAME  
**SOUTH HILL BUSINESS &  
 TECHNOLOGY CENTER  
 PARKING EXPANSION**  
 PUYALLUP, WA

**GRADING POINT TABLES**

DRAWING NO.  
 48 OF 58  
**GR-19**