

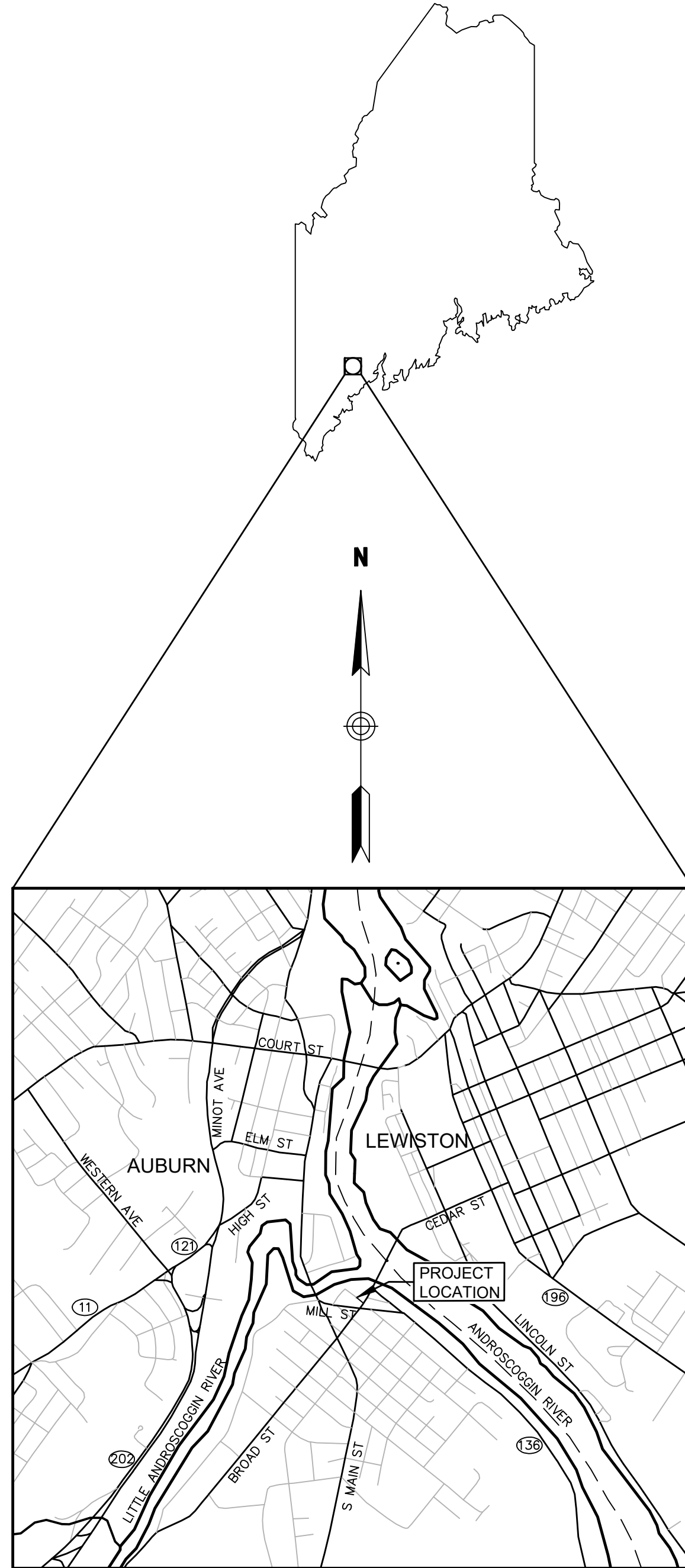
CITY OF AUBURN, MAINE

County of Androscoggin

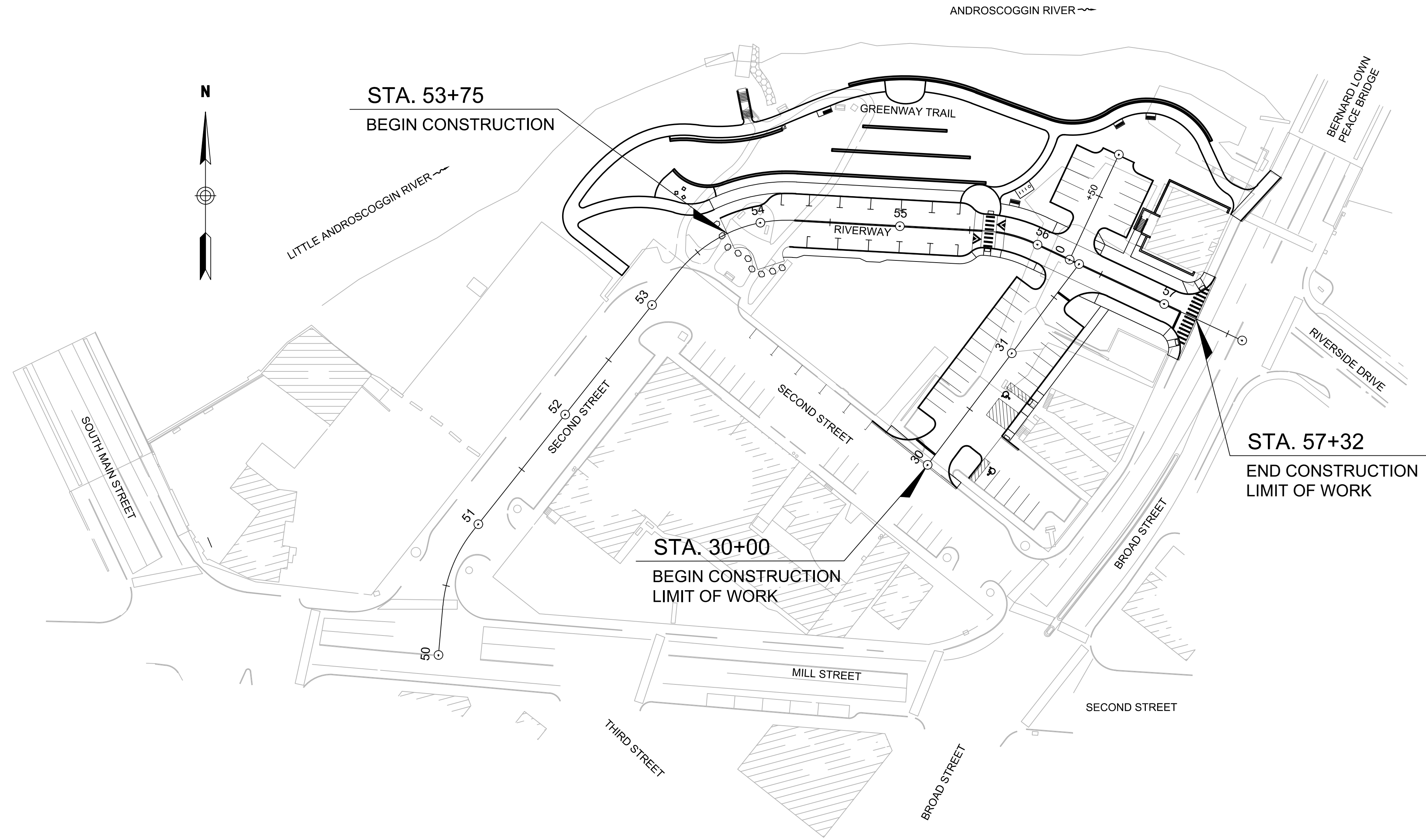
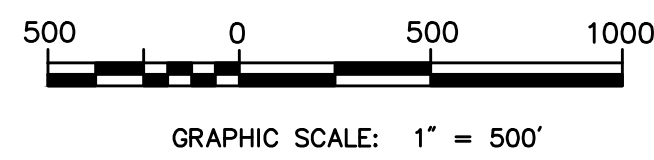
PLANS OF PROPOSED NEW AUBURN VILLAGE CENTER REDEVELOPMENT - PHASE 1

BID NUMBER: _____

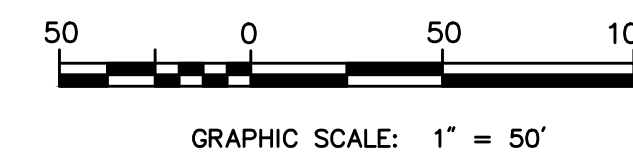
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LEGEND & GENERAL NOTES
3-4	TYPICAL SECTIONS
5-10	DETAILS
11	GENERAL PLAN
12	PROFILES
13-14	GRADING PLAN
15	DRAINAGE PLAN
16	LANDSCAPING & LIGHTING PLAN
17	15 BROAD STREET PLAN
18	RETAINING WALL PLAN
19	EXISTING CONDITIONS PLAN



LOCATION MAP



LAYOUT



REVISIONS	DATE

Vhb
500 Southborough Drive, Suite 105B
South Portland, Maine 04106

PROJECT INFORMATION
PROJECT MANAGER: G. BAKOS
DESIGNED BY: K. HUBEREAU
FILE NAME: 52402.00_COV - Phase 1
PLOT DATE: 8/16/2019

VHB PROJECT NUMBER: 52402.00

New Auburn Village Center
Redevelopment - Phase 1
TITLE SHEET

SHEET NUMBER
1
OF 19

LEGEND

ABBREVIATIONS

NOTES:

Table with 4 columns: EXIST., PROP., EXIST., PROP. containing various symbols and line styles for LEGEND.

Table with 2 columns: GENERAL, UTILITY containing various abbreviations and their corresponding symbols for ABBREVIATIONS.

Table with 2 columns: GENERAL, CONSTRUCTION SEQUENCE containing notes and construction sequence details for NOTES.

Table with 2 columns: EXISTING CONDITIONS INFORMATION, EROSION CONTROL containing notes and erosion control details for NOTES.

VHB PROJECT NUMBER: 52402.00

New Auburn Village Center Redevelopment - Phase 1

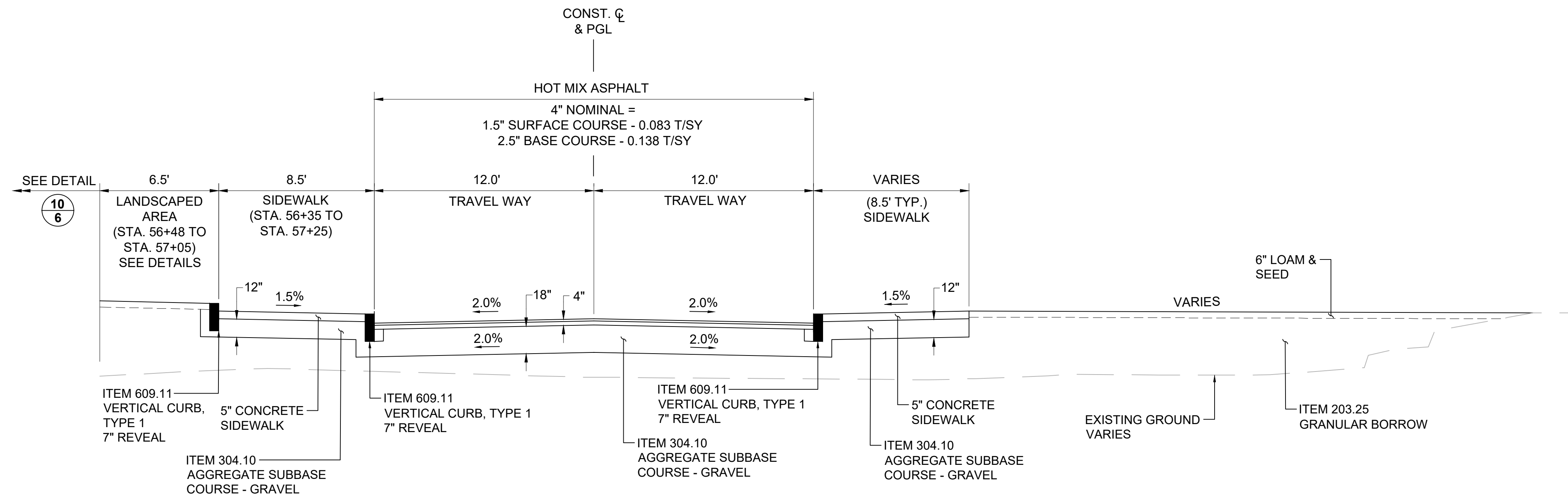
LEGEND & GENERAL NOTES

Table with 2 columns: REVISIONS, DATE

Information block containing Vhb logo and address: 500 Southborough Drive, Suite 105B South Portland, Maine 04106

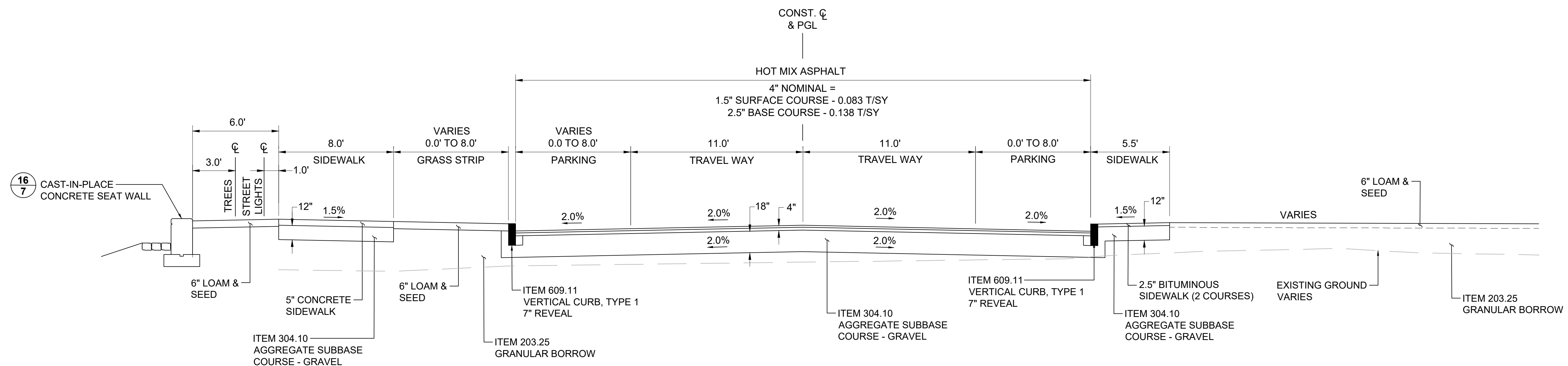
Table with 2 columns: PROJECT INFORMATION, PROJECT MANAGER containing project details like G. BAKOS, K. HUBEREAU.

Table with 2 columns: SHEET NUMBER, DATE containing sheet number 2 and date OF 19.



RIVERWAY (ROADWAY) TYPICAL SECTION

STA. 56+35 TO STA. 57+25
N.T.S.



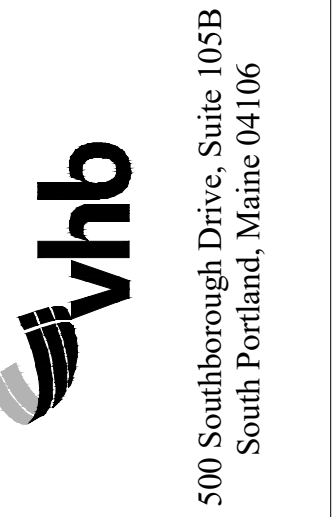
RIVERWAY (ROADWAY) TYPICAL SECTION

STA. 53+75 TO STA. 56+35
N.T.S.

NOTES:

1. ROADWAY SURFACE COURSE SHALL BE ITEM 403.21 - HOT MIX ASPHALT 9.5 MM NOMINAL MAX. SIZE.
2. ROADWAY BASE COURSE SHALL BE ITEM 403.213 - HOT MIX ASPHALT 12.5 MM NOMINAL MAX. SIZE (BASE AND INTERIM BASE COURSE).
3. BITUMINOUS SIDEWALK SHALL BE ITEM 403.209 - HOT MIX ASPHALT 9.5 MM NOMINAL MAX. SIZE (SIDEWALKS, DRIVES, INCIDENTALS).

REVISIONS	DATE



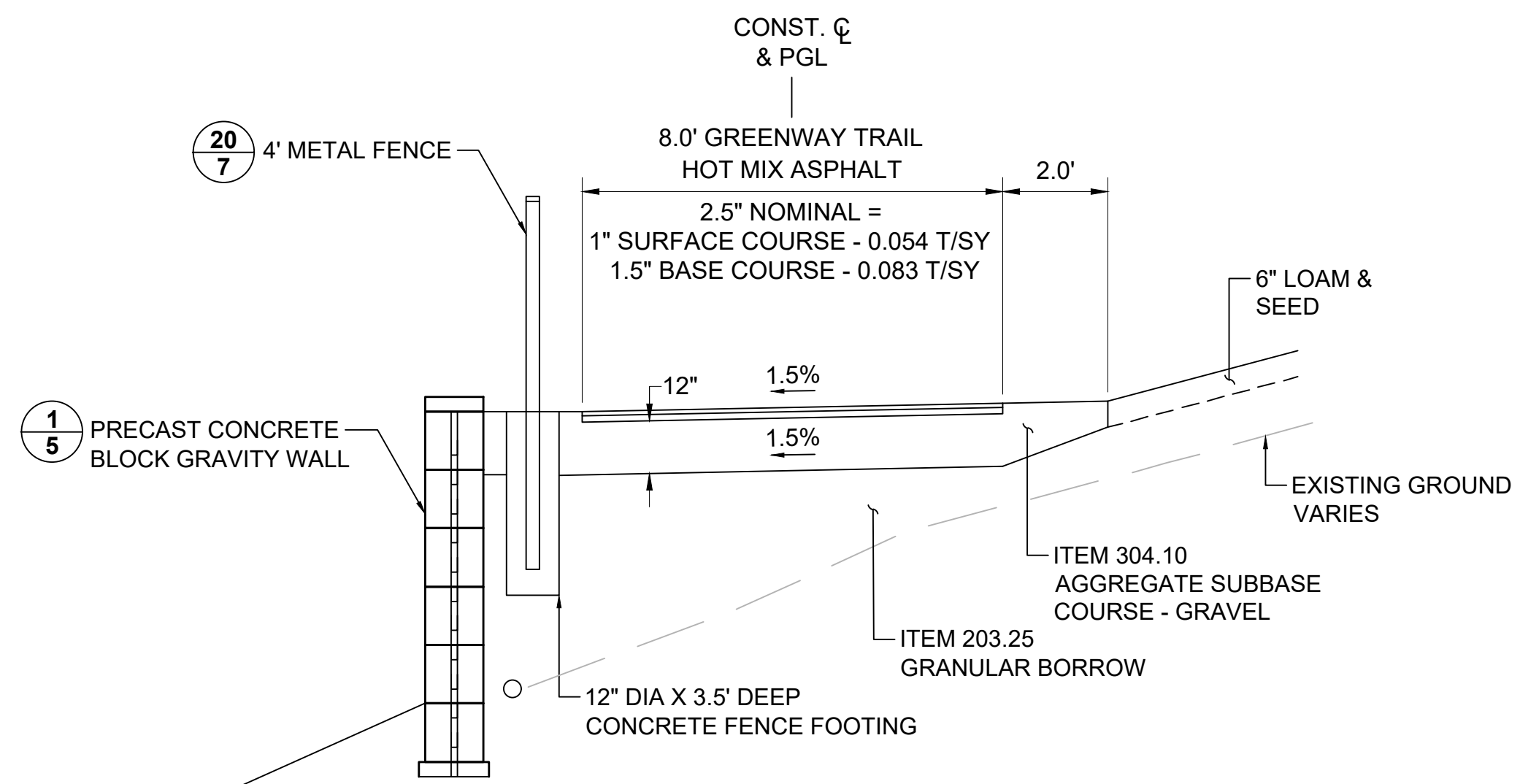
INFORMATION
PROJECT MANAGER: G. BAKOS
DESIGNED BY: K. HUBERDEAU
FILE NAME: 52402.00_Typ - Phase 1
PLOT DATE: 8/16/2019

VHB PROJECT NUMBER: 52402.00
New Auburn Village Center
Redevelopment - Phase 1
TYPICAL SECTIONS

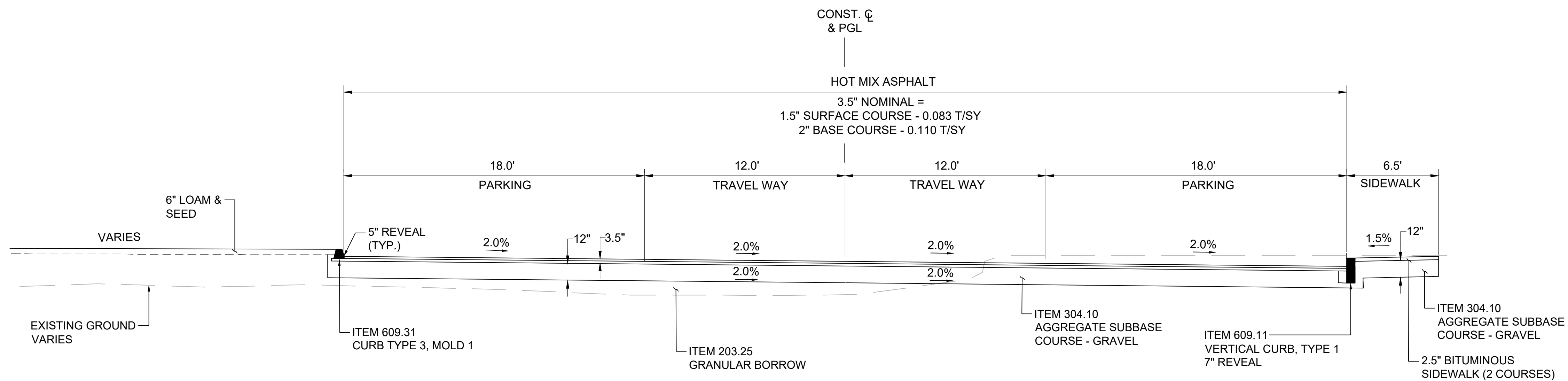
SHEET NUMBER

3

OF 19



GREENWAY TRAIL TYPICAL SECTION
N.T.S.



PARKING LOT TYPICAL SECTION
STA. 30+00 TO STA. 31+62
N.T.S.

NOTES:

1. ROADWAY SURFACE COURSE SHALL BE ITEM 403.21 - HOT MIX ASPHALT 9.5 MM NOMINAL MAX. SIZE.
2. ROADWAY AND GREENWAY TRAIL BASE COURSE SHALL BE ITEM 403.213 - HOT MIX ASPHALT 12.5 MM NOMINAL MAX. SIZE (BASE AND INTERIM BASE COURSE).
3. BITUMINOUS SIDEWALK AND GREENWAY TRAIL SURFACE SHALL BE ITEM 403.209 - HOT MIX ASPHALT 9.5 MM NOMINAL MAX. SIZE (SIDEWALKS, DRIVES, INCIDENTALS).

REVISIONS	DATE



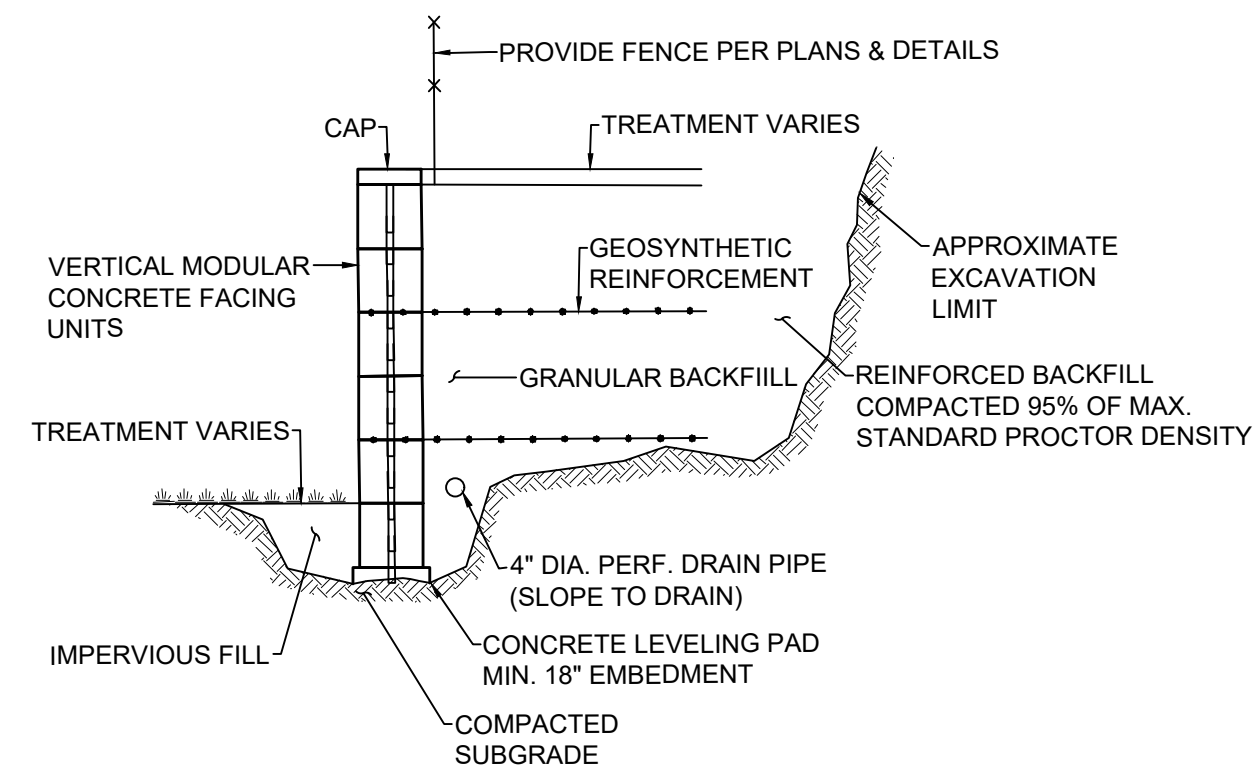
500 Southborough Drive, Suite 105B
South Portland, Maine 04106

PROJECT INFORMATION
PROJECT MANAGER: G. BAKOS
DESIGNED BY: K. HUBERDEAU
FILE NAME: 52402.00_Typ - Phase 1
PLOT DATE: 8/16/2019

VHB PROJECT NUMBER: 52402.00

**New Auburn Village Center
Redevelopment – Phase 1**

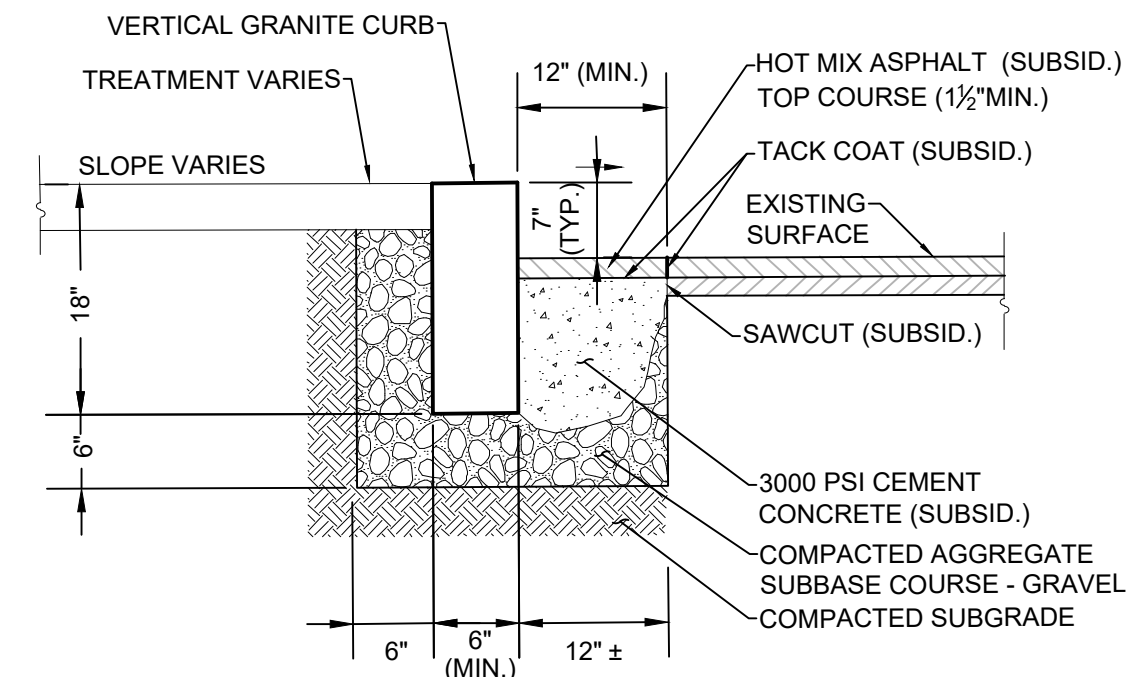
TYPICAL SECTIONS



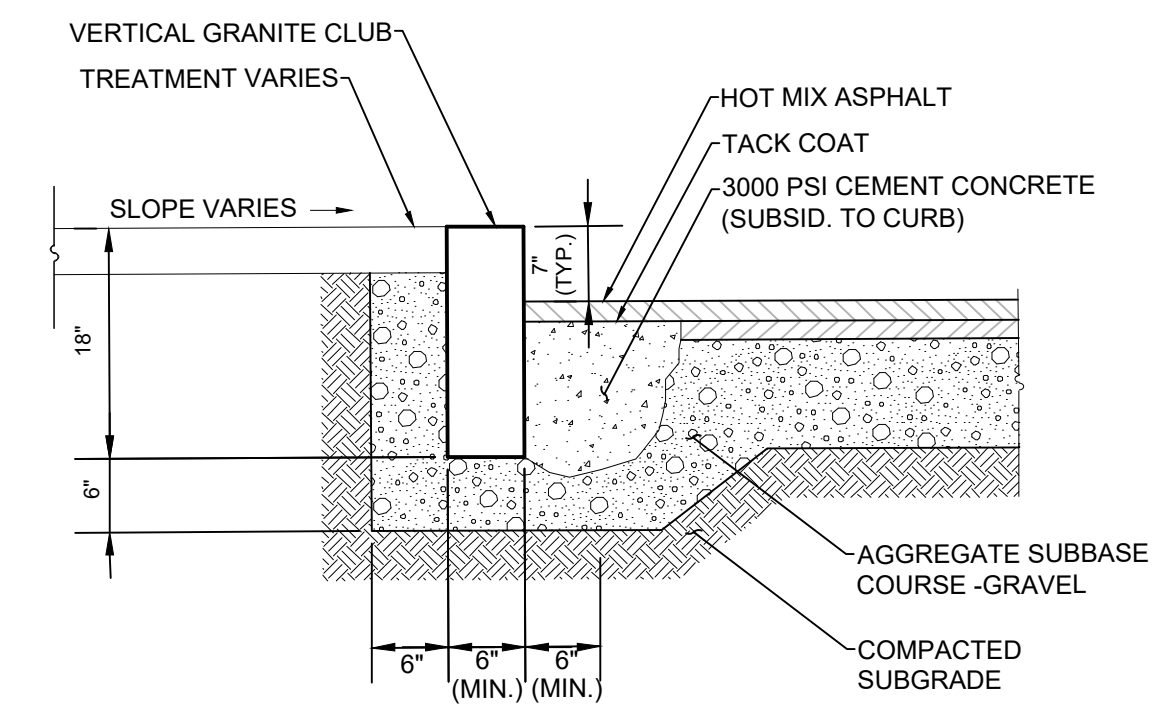
NOTES:

1. DETAIL PROVIDED FOR GENERAL INFORMATION ONLY. STAMPED FINAL DESIGN OF MODULAR WALL SYSTEM TO BE PROVIDED BY WALL MANUFACTURER.
2. SEE RETAINING WALL PLANS AND PROFILES FOR MORE INFORMATION.

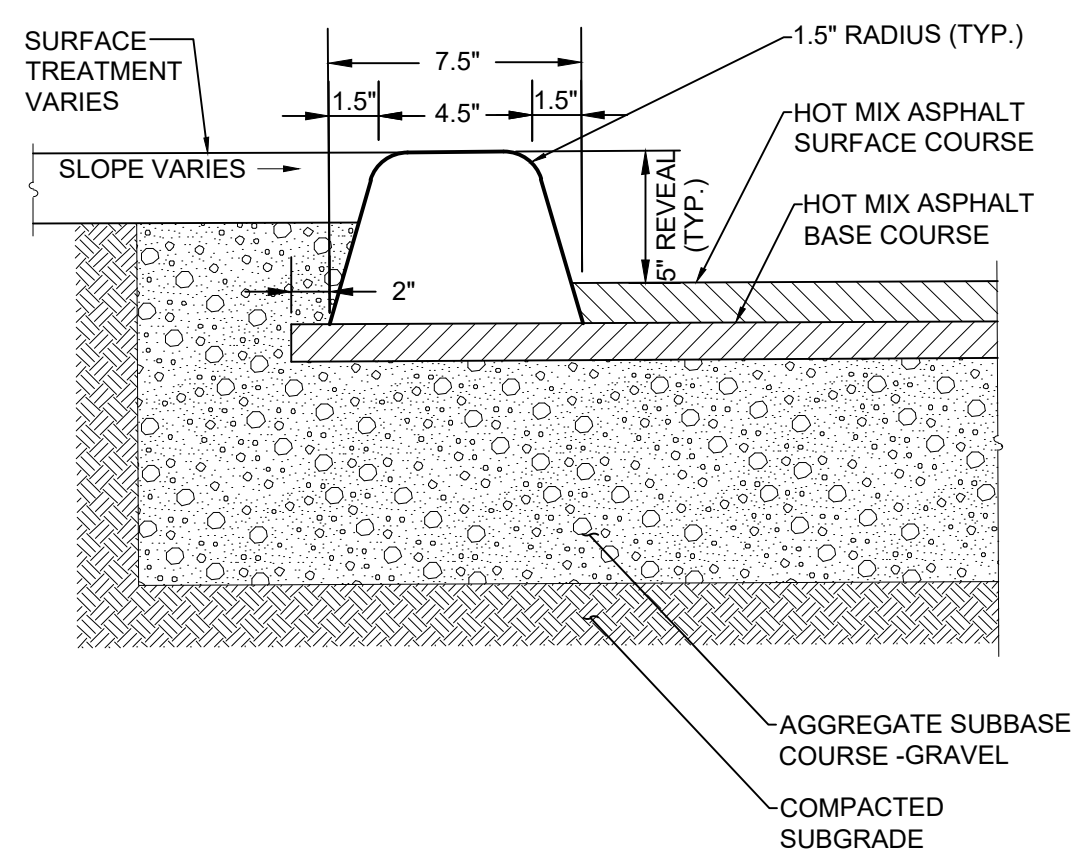
1
5 **PRECAST CONCRETE BLOCK GRAVITY WALL**
N.T.S.



4
5 **Vertical Granite Curb (VGC) Set In Existing Pavement**
N.T.S.



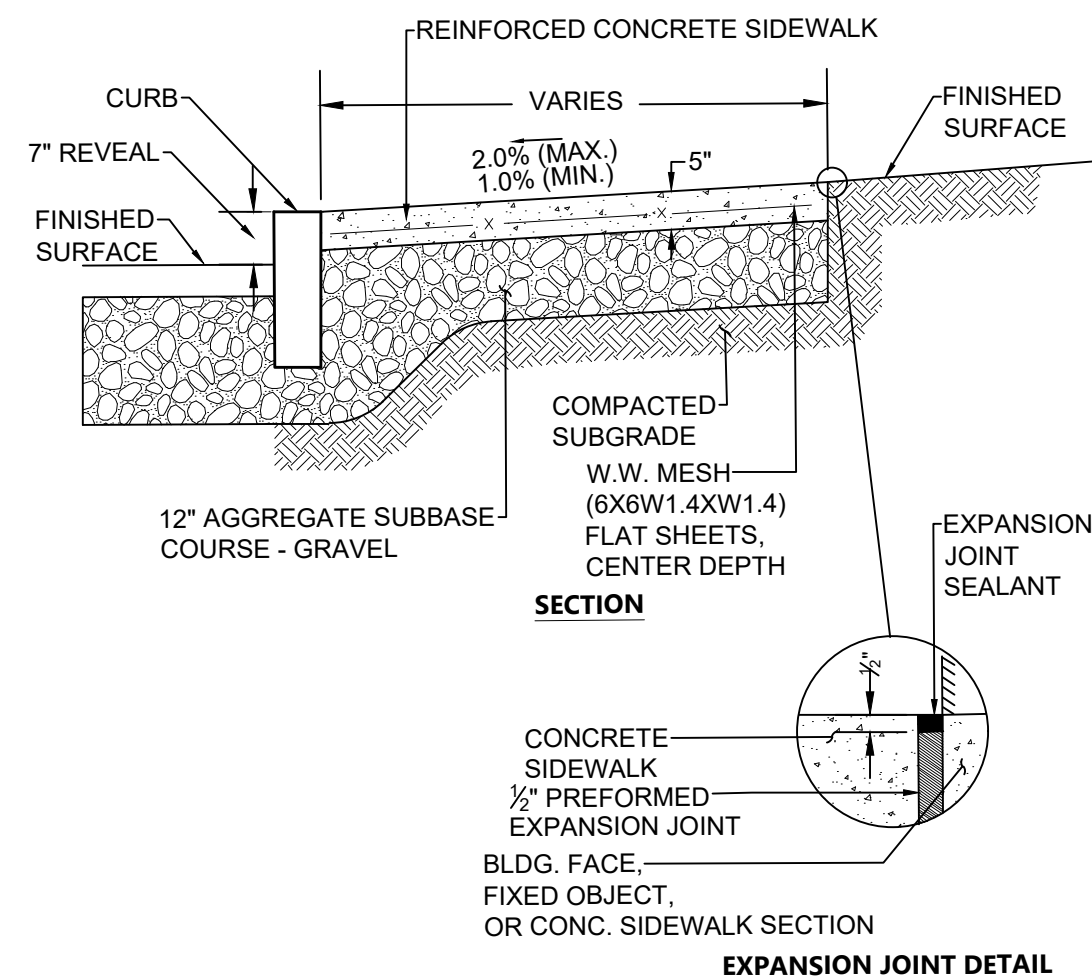
5
5 **Item 609.11 Vertical Curb, Type 1**
N.T.S.



NOTE:

ALL CURBING SHALL BE MACHINE EXTRUDED.

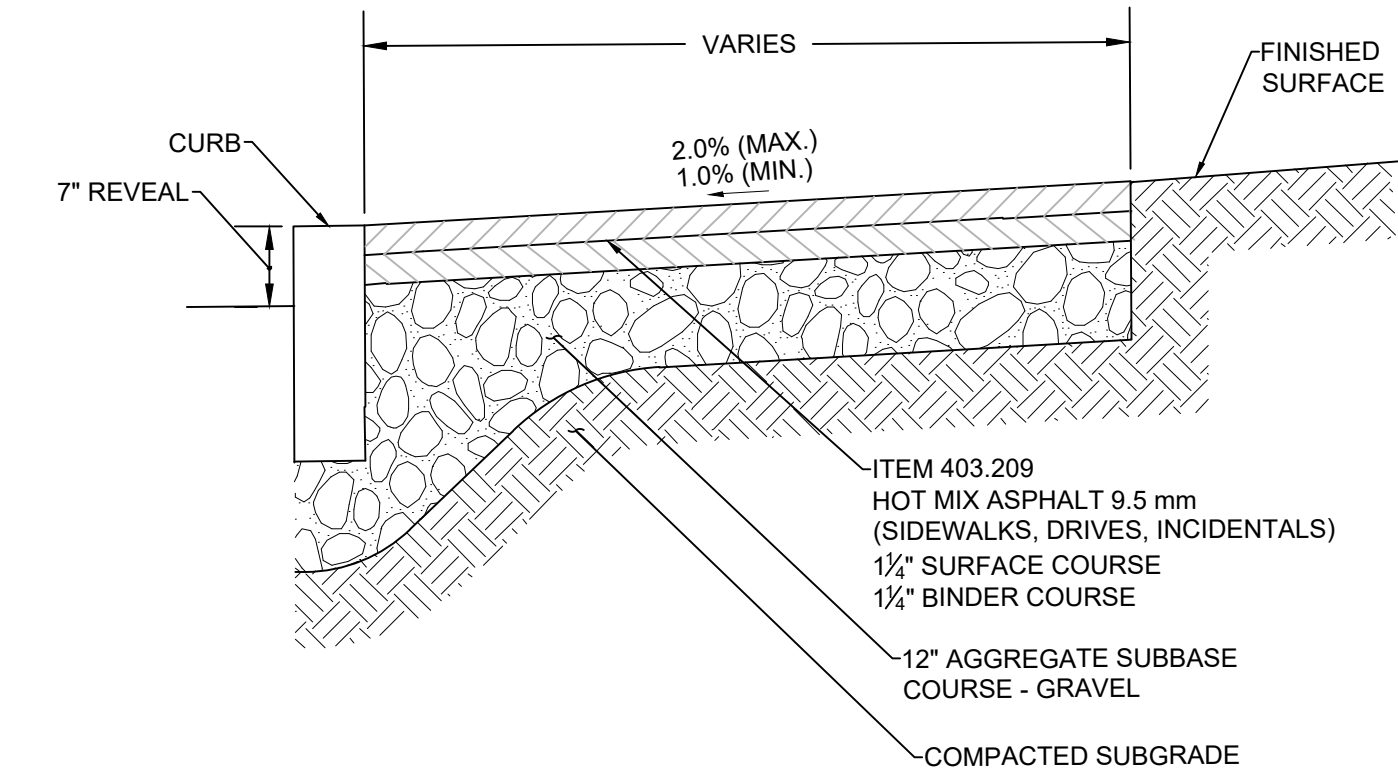
6
5 **Item 609.31 Curb Type 3, Mold 1**
N.T.S.



NOTES:

1. PROVIDE EXPANSION JOINTS AT MIN. 30 FT. O.C. WITH PRE-FORMED JOINT FILLER. (SUBSID.)
2. PROVIDE TOOLED CONTROL JOINTS AT 6' O.C.
3. PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.

7
5 **Item 608.08 Reinforced Concrete Sidewalk**
N.T.S.



8
5 **Item 608.45 Construct Sidewalk**
N.T.S.



500 Southborough Drive, Suite 105B
South Portland, Maine 04106

INFORMATION
G. BAKOS
K. HUBERDEAU
52402.00_DET - Phase 1
8/16/2019

New Auburn Village Center
Redevelopment - Phase 1

DETAILS (1 OF 6)

SHEET NUMBER

5

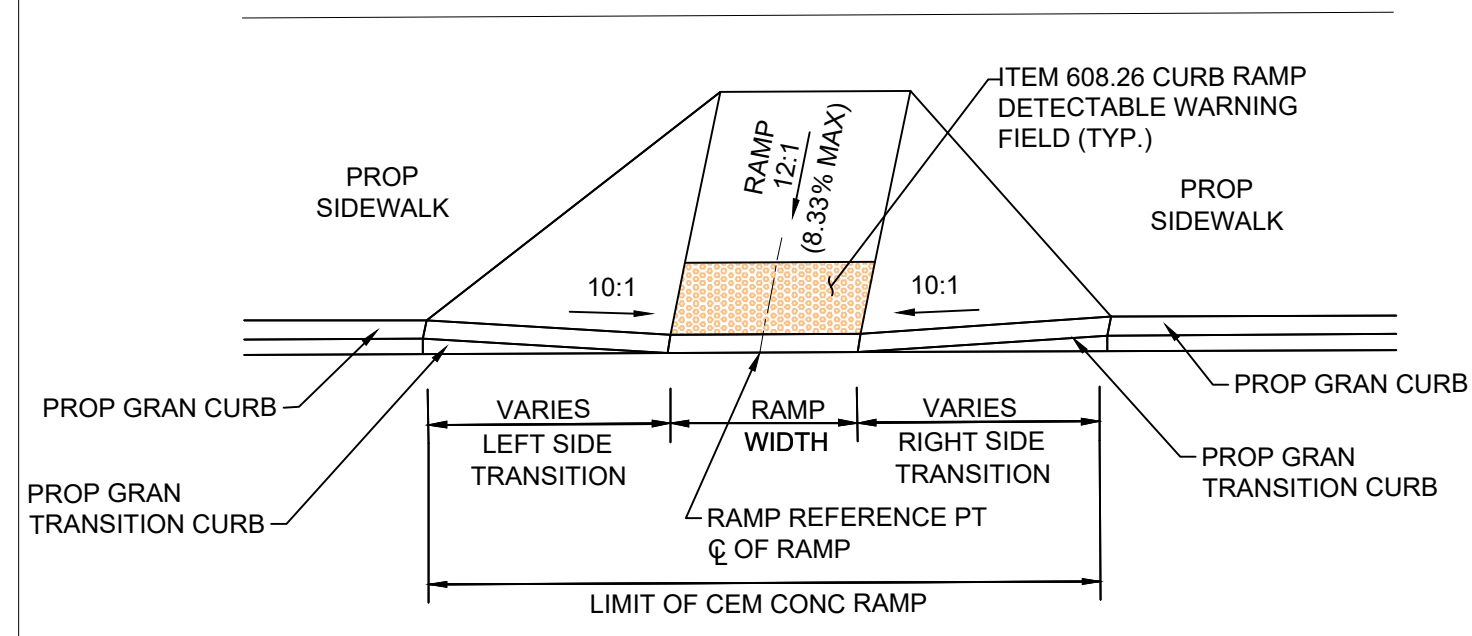
OF 19

VHB PROJECT NUMBER: 52402.00

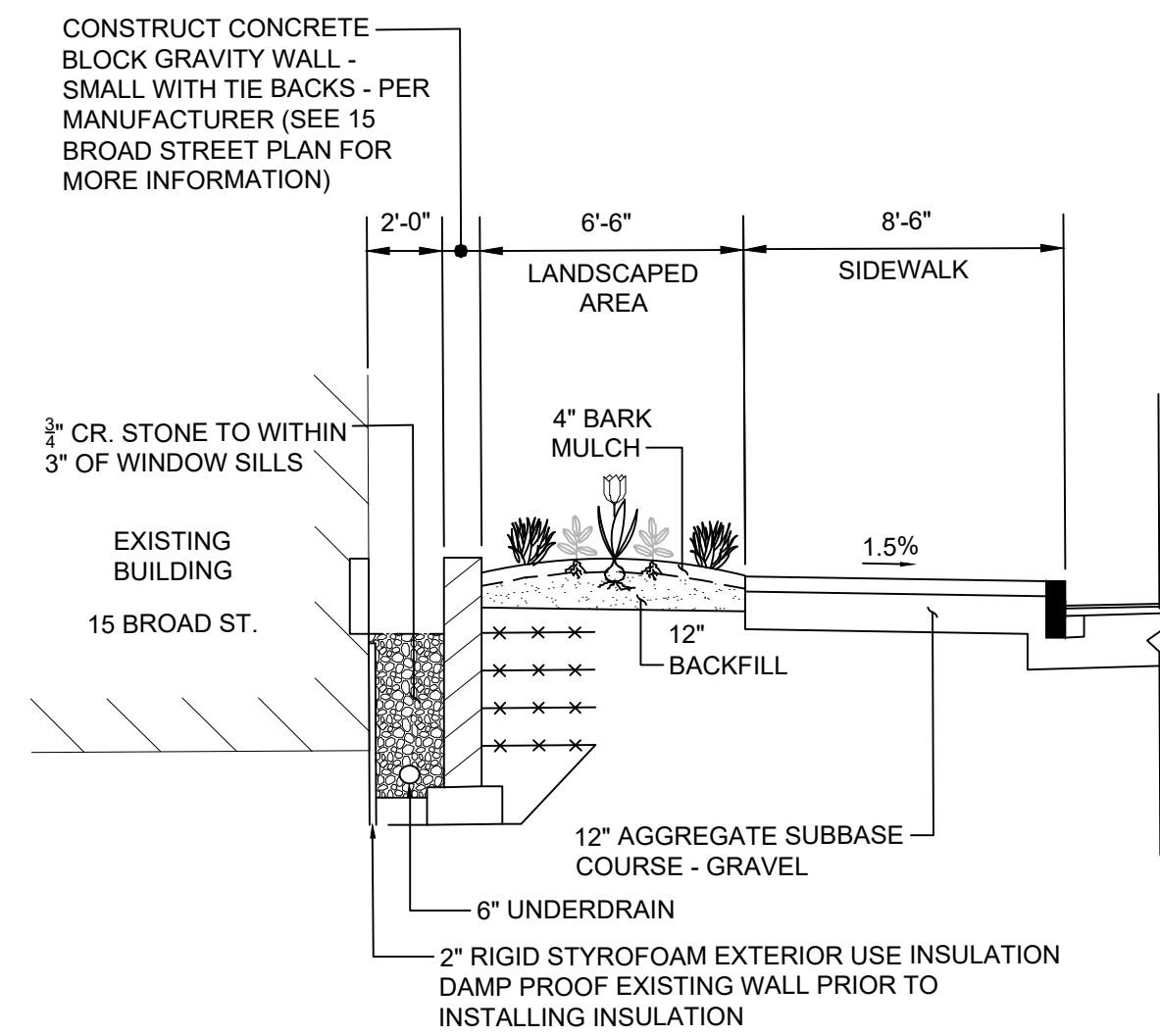
DATE

REVISIONS

REVISIONS	DATE

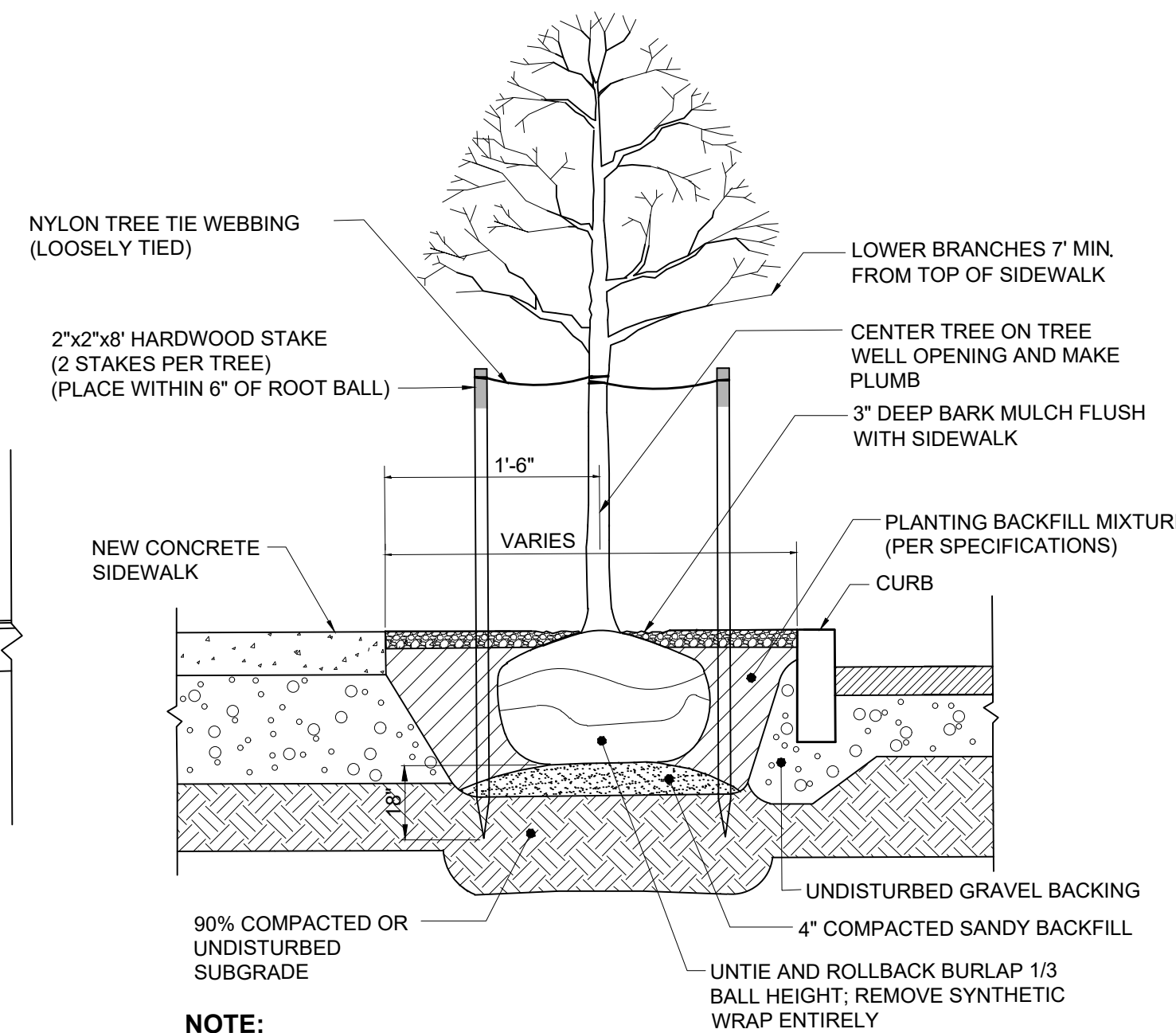


9
6 Pedestrian Ramp Detail A
N.T.S.



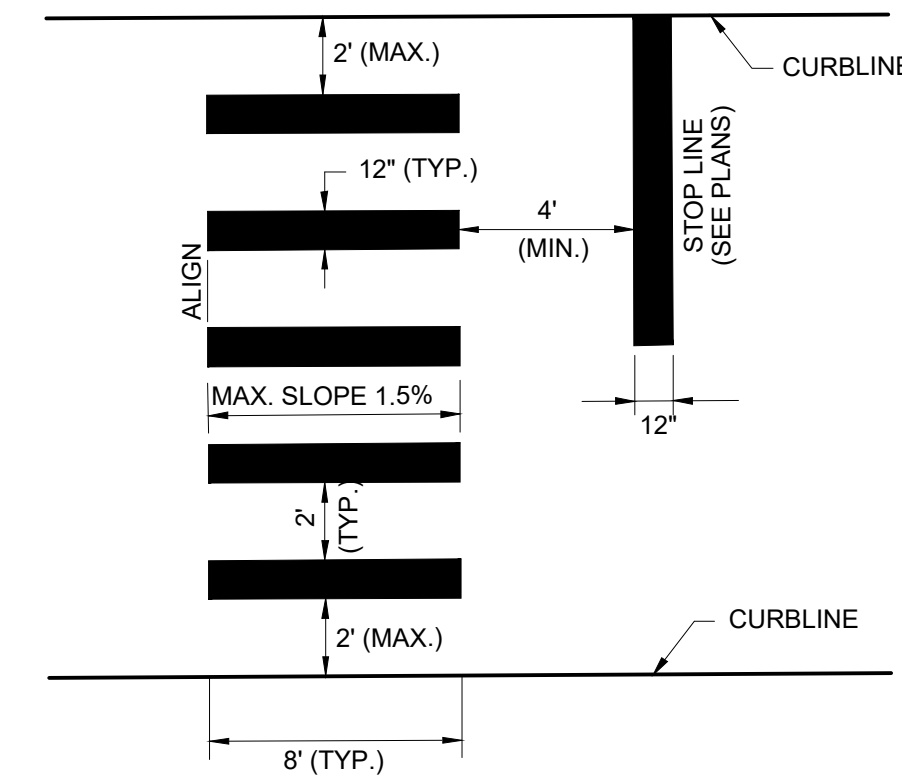
- NOTES:**
- BACKFILL MIXTURE: USE 3 PARTS LOAM TOPSOIL & 1 PART PEAT MOSS OR HUMUS MATERIAL.
 - BULBS TO BE PLANTED AT THE DEPTHS SPECIFIED BY THE GROWER.
 - SEE RETAINING WALL PLAN FOR PLANTING INFORMATION.

10
6 Riverway Sidewalk with Retaining Wall
N.T.S.



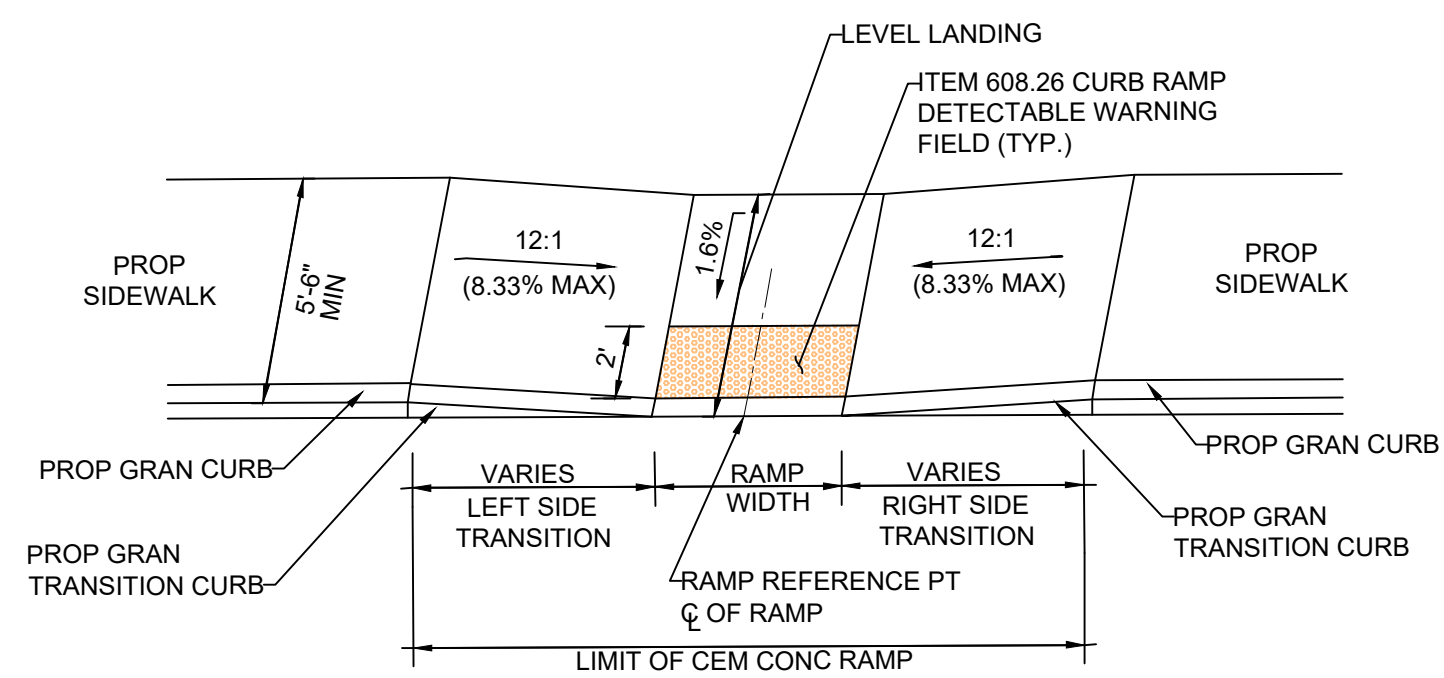
- NOTE:**
- WHERE CALLED FOR INSTALL TREE GRATES PER MANUFACTURER'S RECOMMENDATIONS.
 - TREE PIT IS SHOWN IN PEDESTRIAN AREA. DETAIL SHALL APPLY TO ALL TREE PLANTINGS.

11
6 Tree Planting
N.T.S.

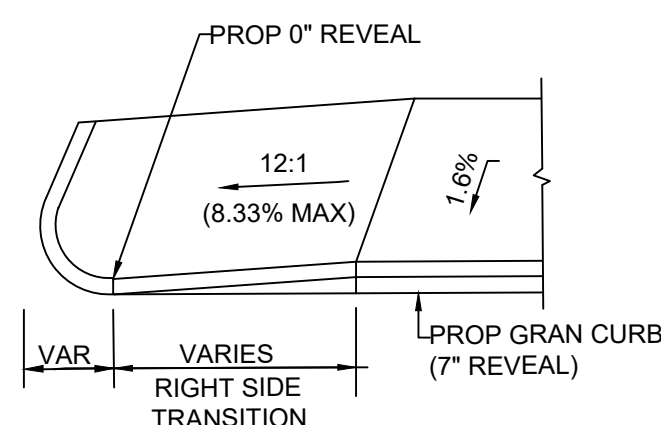


- NOTES:**
- TWELVE INCH (12") LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6 INCH LINES) WILL BE ACCEPTED.
 - LONGITUDINAL CROSSWALK LINES TO BE PARALLEL TO CURB LINE.
 - ALL LONGITUDINAL CROSSWALK LINES TO BE THE SAME LENGTH AND PROPERLY ALIGNED.
 - CROSSWALK SIDE SLOPE SHALL NOT EXCEED 1.5%.

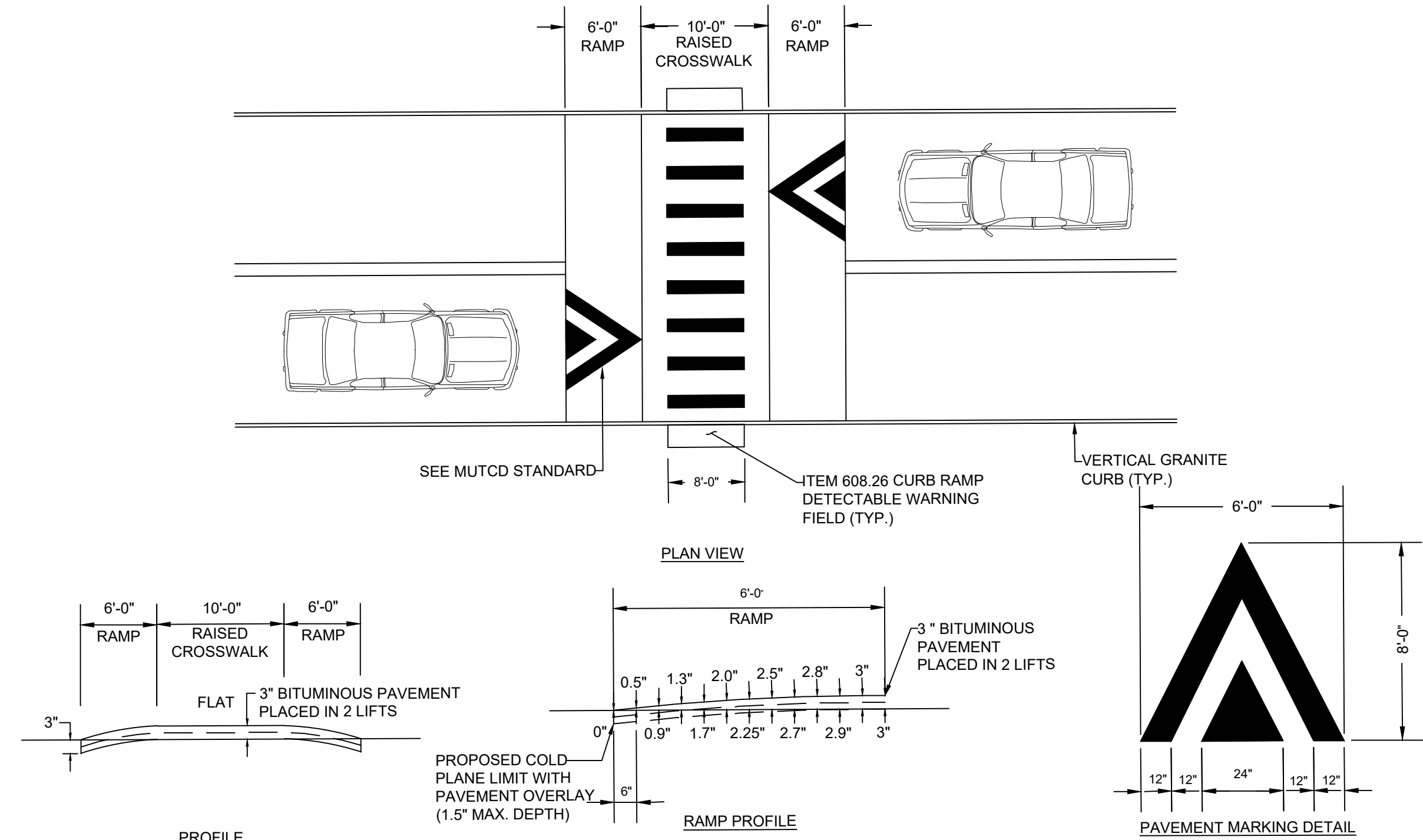
12
6 Crosswalk
N.T.S.



13
6 Pedestrian Ramp Detail B
N.T.S.



14
6 Pedestrian Ramp Detail C
N.T.S.



15
6 Raised Crosswalk
N.T.S.



500 Southborough Drive, Suite 105B
South Portland, Maine 04106

INFORMATION
G. BAKOS
K. HUBERDEAU
52402.00_DET - Phase 1
8/16/2019

PROJECT MANAGER
DESIGNED BY
FILE NAME
PLOT DATE

PROJECT
New Auburn Village Center
Redevelopment - Phase 1

SHEET NUMBER

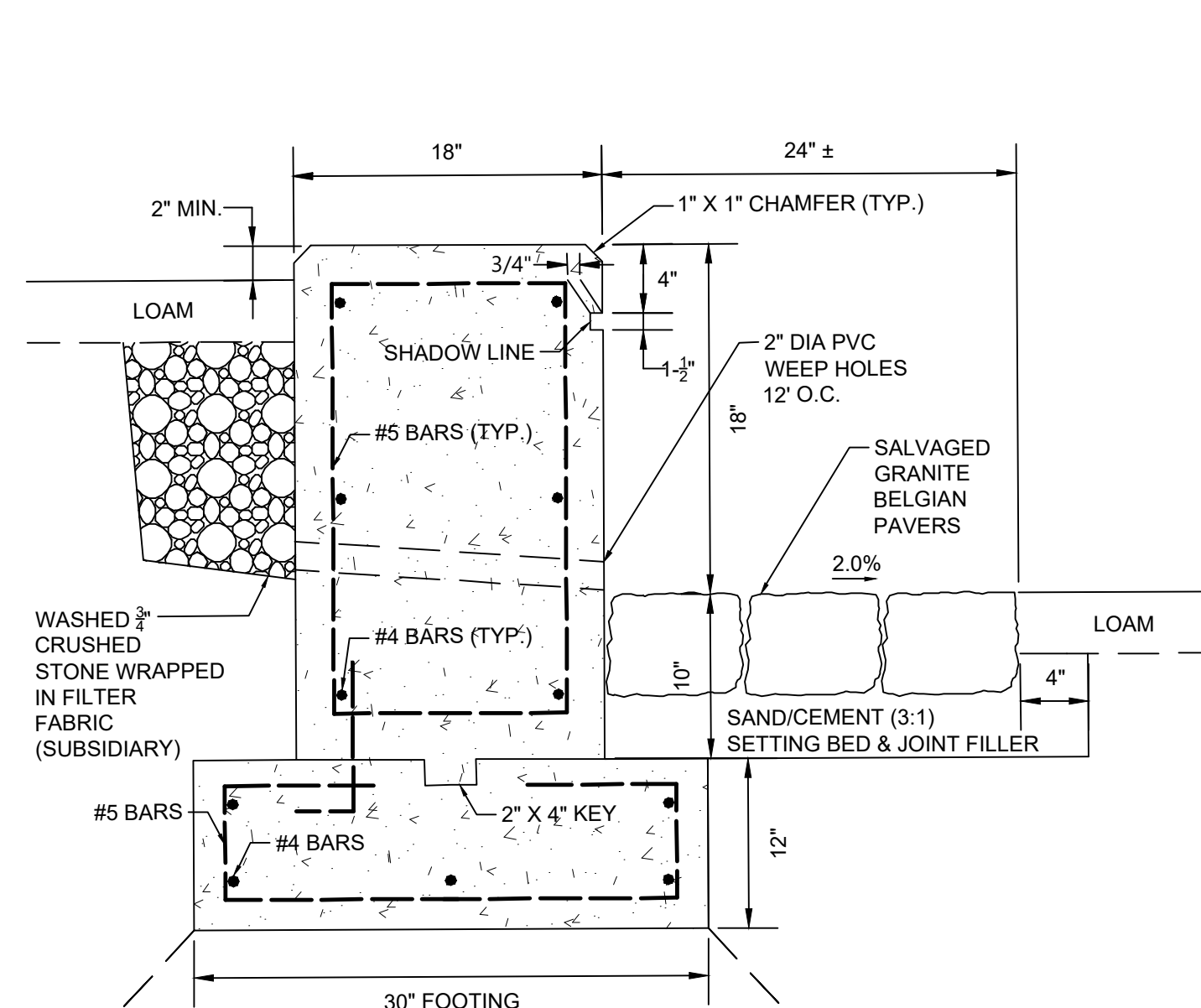
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OF 19

VHB PROJECT NUMBER: 52402.00

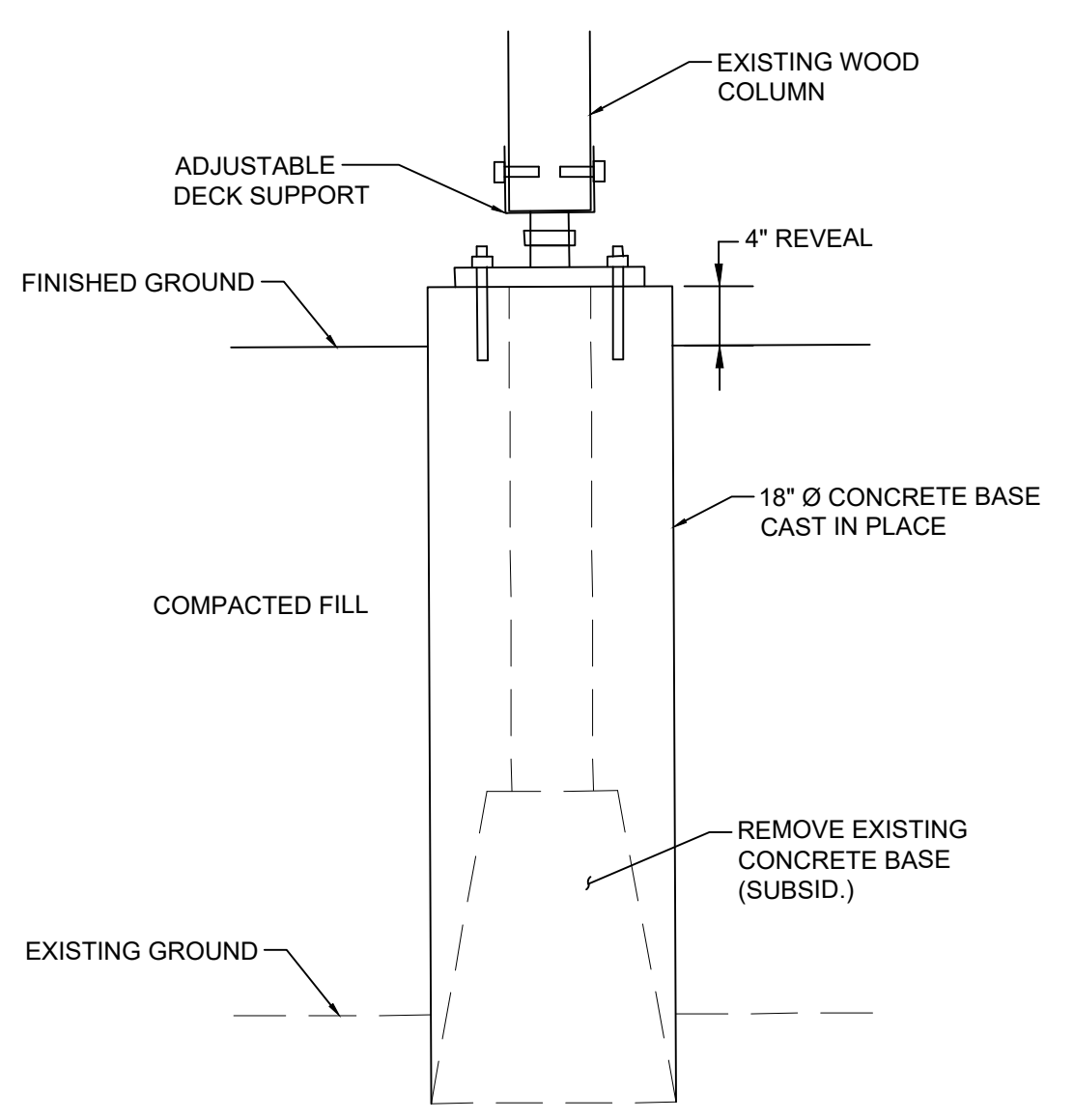
DETAILS (2 OF 6)

REVISIONS	DATE



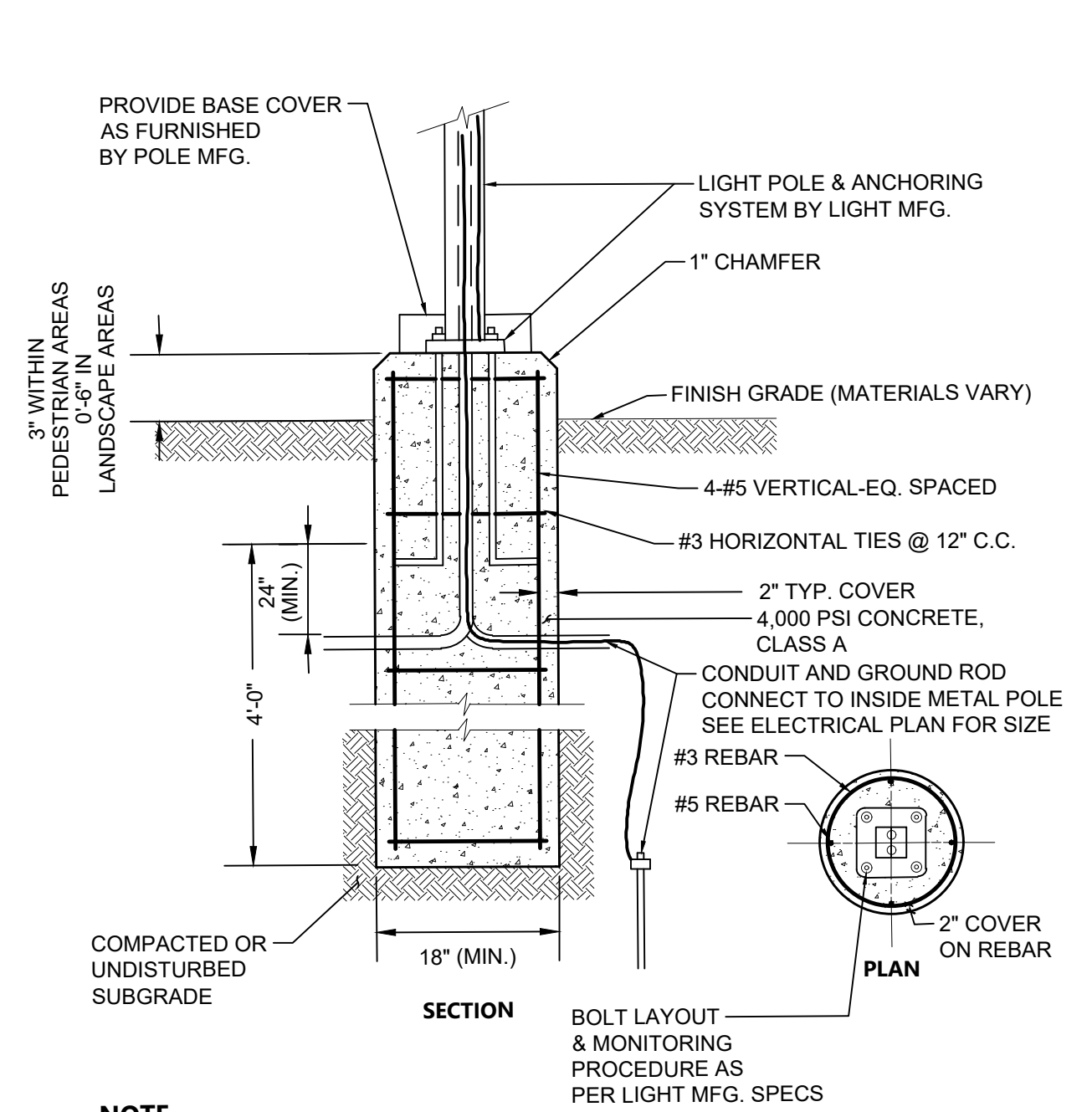
- NOTES**
1. ALL CONCRETE SHALL BE 4000 PSI (CLASS A).
 2. CAST IN PLACE FOOTING SHALL BE SET ON 36" COMPACTED AGGREGATE SUBBASE COURSE- GRAVEL.
 3. SHADOW LINE SHALL ALSO BE INCLUDED IN EXPOSED WALL ENDS.

16 **CAST-IN-PLACE CONCRETE SEAT WALL**
7 N.T.S.



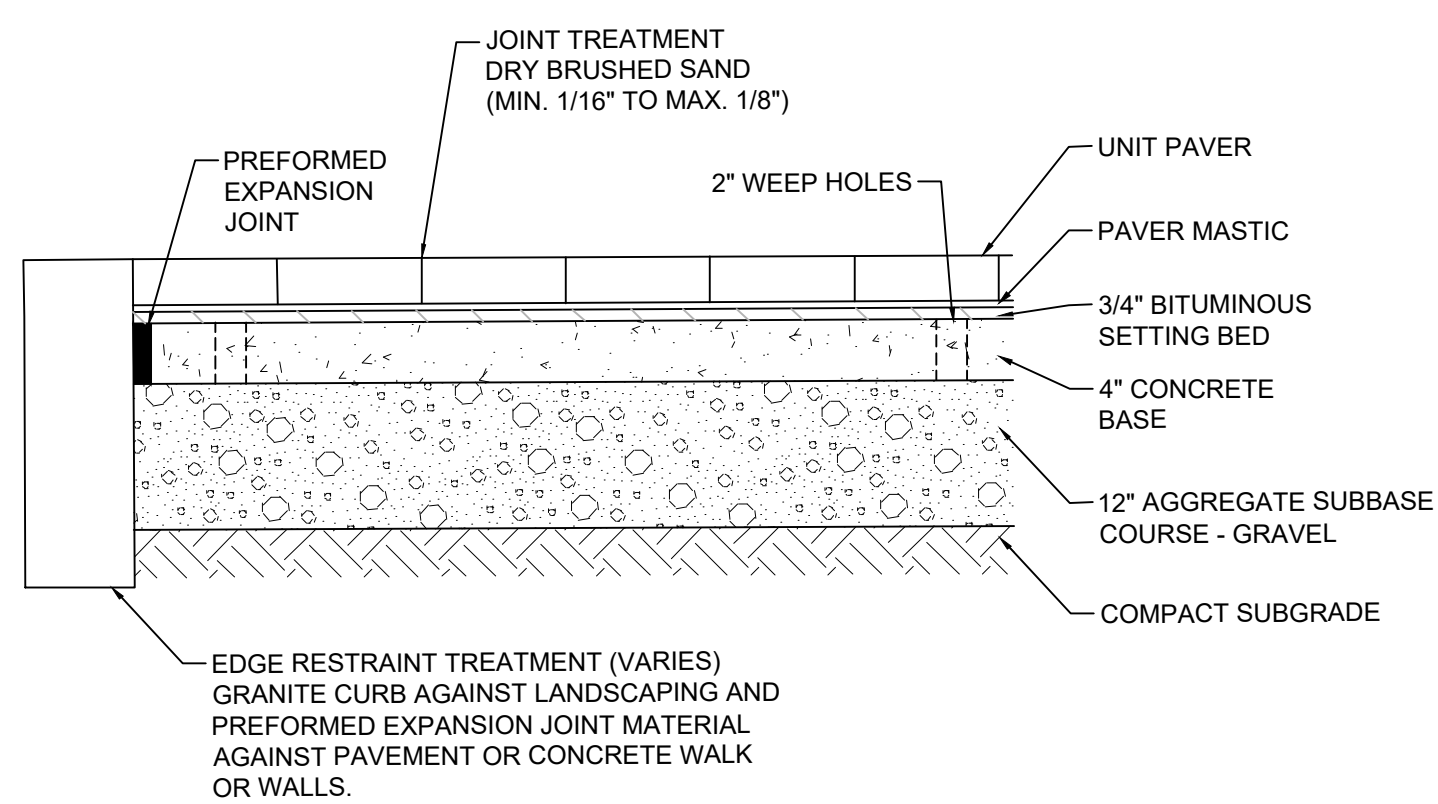
- NOTES**
1. INSTALL TEMPORARY DECK SUPPORTS AND CUT EXISTING WOOD COLUMN AT DESIRED HEIGHT.
 2. REMOVE EXISTING CONCRETE FOOTING.
 3. CONSTRUCT 18" DIA. CONCRETE BASE (3000 PSI MIN.).
 4. INSTALL ADJUSTABLE DECK SUPPORT PER MANUFACTURER'S SPECIFICATIONS.
 5. FILL AND COMPACT AROUND CONCRETE BASE TO DESIRED ELEVATION.

17 **DECK SUPPORT REPLACEMENT DETAIL**
7 N.T.S.



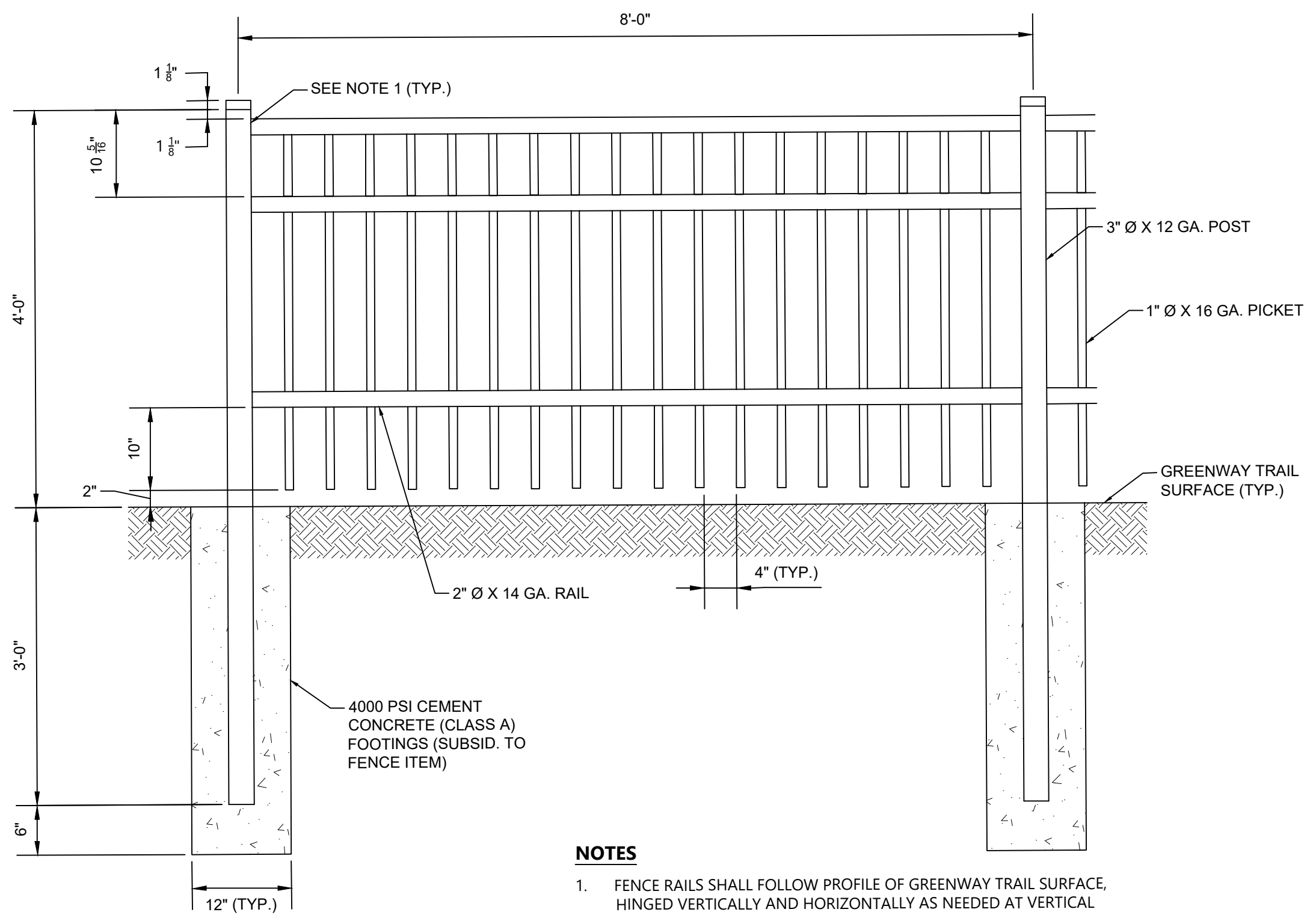
- NOTE:**
- LIGHT POLE FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE AND FIXTURE SELECTION.

18 **LIGHT POLE FOUNDATION**
7 N.T.S.



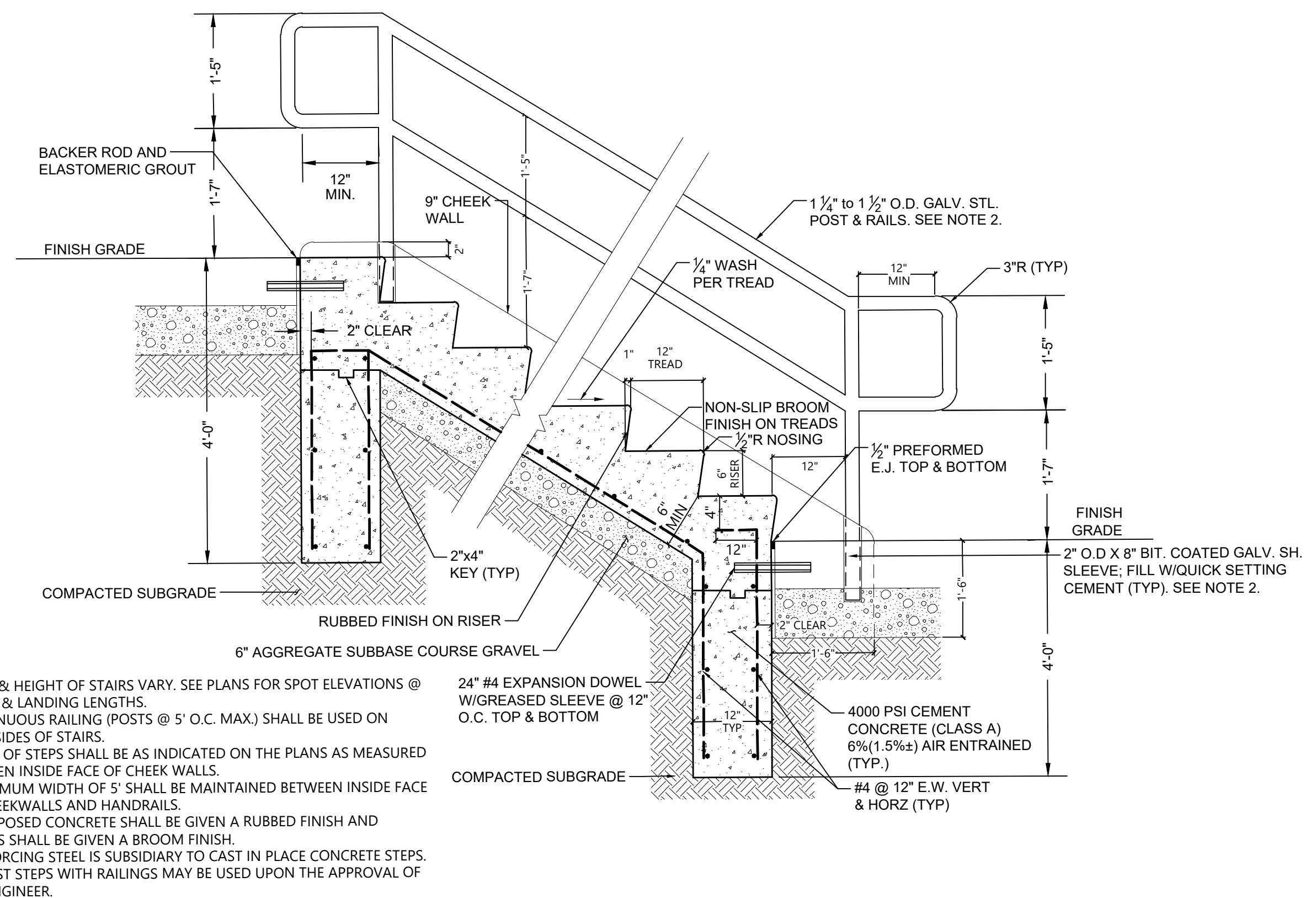
- NOTE:**
- AT MINIMUM, LOCATE WEEP HOLES AT ALL LOW POINTS. OTHERWISE, PLACE WEEP HOLES AT 6' - 10' ON CENTER, STAGGERED. FILL WEEPS WITH CRUSHED STONE.

19 **UNIT PAVER INSTALLATION DETAIL**
7 N.T.S.



- NOTES**
1. FENCE RAILS SHALL FOLLOW PROFILE OF GREENWAY TRAIL SURFACE, HINGED VERTICALLY AND HORIZONTALLY AS NEEDED AT VERTICAL FENCE POSTS.

20 **4' ORNAMENTAL METAL FENCE DETAIL**
7 N.T.S.



- NOTES**
1. SPACE & HEIGHT OF STAIRS VARY. SEE PLANS FOR SPOT ELEVATIONS @ STAIRS & LANDING LENGTHS.
 2. CONTINUOUS RAILING (POSTS @ 5' O.C. MAX.) SHALL BE USED ON BOTH SIDES OF STAIRS.
 3. WIDTH OF STEPS SHALL BE AS INDICATED ON THE PLANS AS MEASURED BETWEEN INSIDE FACE OF CHEEK WALLS.
 4. A MINIMUM WIDTH OF 5' SHALL BE MAINTAINED BETWEEN INSIDE FACE OF CHEEK WALLS AND HANDRAILS.
 5. ALL EXPOSED CONCRETE SHALL BE GIVEN A RUBBED FINISH AND TREADS SHALL BE GIVEN A BROOM FINISH.
 6. REINFORCING STEEL IS SUBSIDIARY TO CAST IN PLACE CONCRETE STEPS.
 7. PRECAST STEPS WITH RAILINGS MAY BE USED UPON THE APPROVAL OF THE ENGINEER.

21 **CONCRETE STEPS WITH HANDRAIL**
7 N.T.S.

VHB PROJECT NUMBER: 52402.00

New Auburn Village Center
Redevelopment - Phase 1

SHEET NUMBER

7

OF 19

PROJECT	INFORMATION
PROJECT MANAGER G. BAKOS	DESIGNED BY K. HUBERDEAU
DESIGNED BY K. HUBERDEAU	FILE NAME 52402.00_DET - Phase 1
FILE NAME 52402.00_DET - Phase 1	PLOT DATE 8/16/2019
PLOT DATE 8/16/2019	

REVISIONS

DATE



IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	POST
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER			
R1-1	30	30	STOP	SHSB	N/A	N/A	3	SHSB	SHSB	SHSB	6.25 (18.75)	STEEL U - CHANNEL
R7-8	12	18	RESERVED PARKING	SHSB	N/A	N/A	2	SHSB	SHSB	SHSB	1.50 (3.00)	STEEL U - CHANNEL
OM4-2	18	18	5	SHSB	N/A	N/A	2	SHSB	SHSB	SHSB	2.50 (5.00)	STEEL U - CHANNEL
W14-1	24	24	DEAD END	SHSB	N/A	N/A	1	SHSB	SHSB	SHSB	4.00 (4.00)	STEEL U - CHANNEL
W17-1	30	30	SPEED HUMP	SHSB	N/A	N/A	1	SHSB	SHSB	SHSB	6.25 (6.25)	STEEL U - CHANNEL

SHSB - TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS BOOK" - 2012 EDITION.

TRAFFIC SIGN SUMMARY

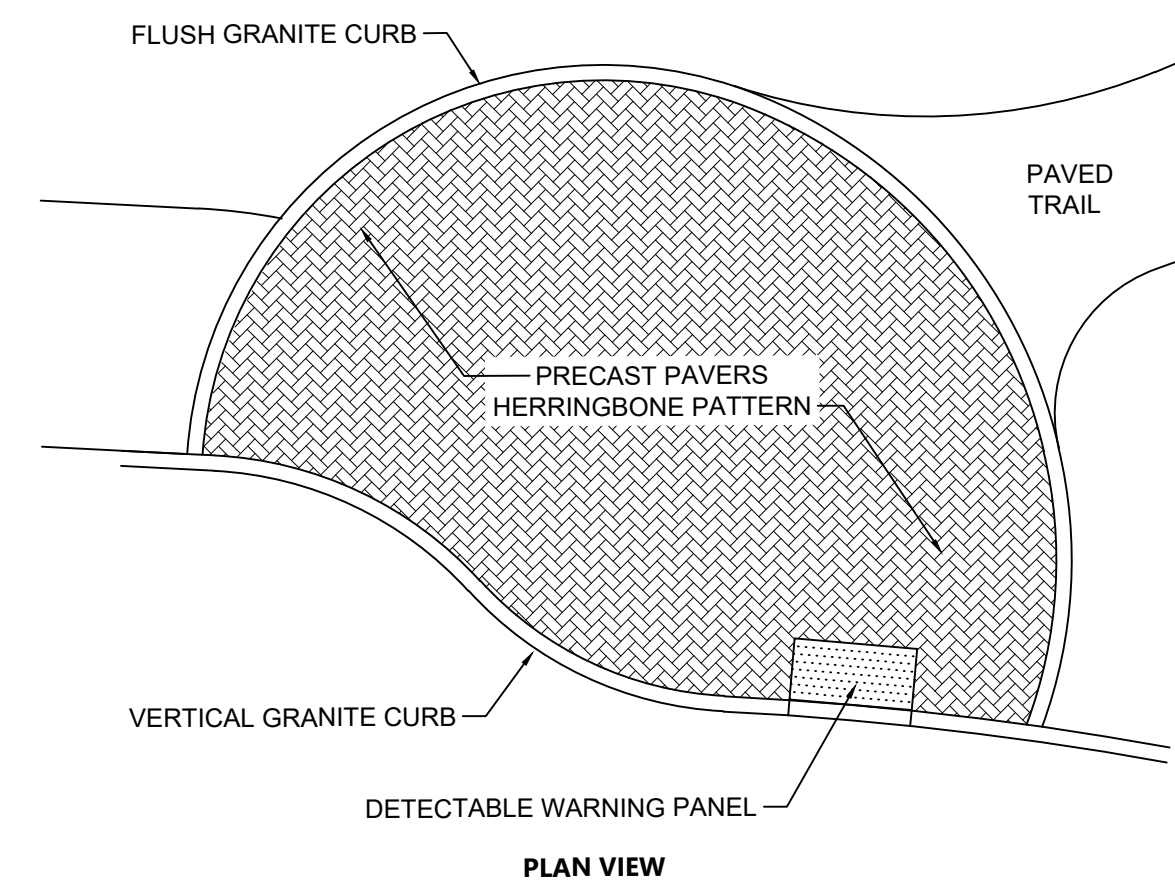
N.T.S.

BELL TOWER CONDUIT LAYOUT

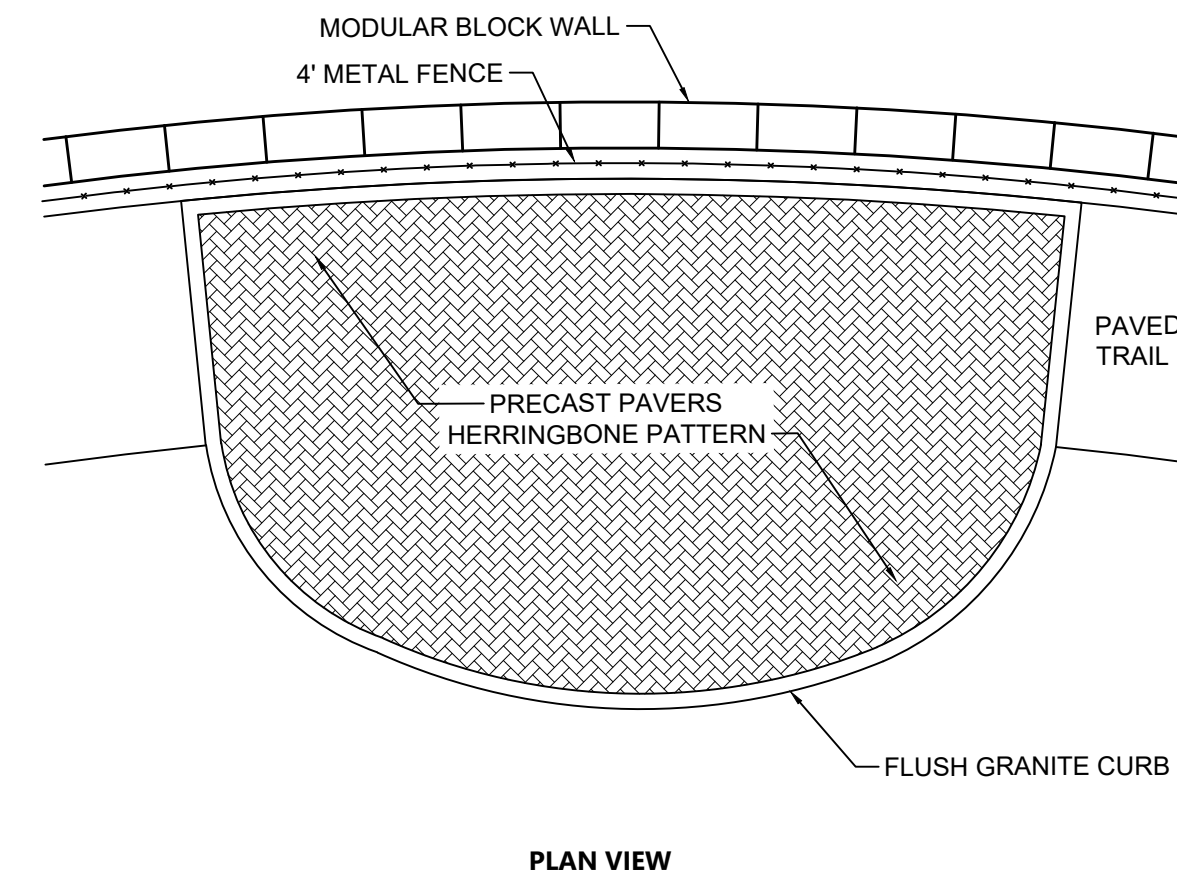
	FROM		TO		LENGTH	CONDUIT	CONDUCTORS	REMARKS
	STA/OFFSET		STA/OFFSET					
TOWER	53+85.0, 42.9 LT	PB	54+15.0, 26.5 LT		68.30	(2) 1-1/2"	SEE SPECIFICATIONS	
PB	54+15.0, 26.5 LT	PB	55+85.4, 19.1 LT		178.32	(2) 1-1/2"	SEE SPECIFICATIONS	
PB	55+85.4, 19.1 LT	CABINET	55+82.4, 28.2 LT		9.77	(2) 1-1/2"	SEE SPECIFICATIONS	
CABINET	55+82.4, 28.2 LT	PB	55+85.4, 19.1 LT		9.77	1-1/2"	3 - #6	
PB	55+85.4, 19.1 LT	PB	56+96.3, 17.6 LT		113.58	1-1/2"	3 - #6	
PB	56+96.3, 17.6 LT	CABINET	57+16.8, 36.1 RT		54.23	1-1/2"	3 - #6	SCHEDULE 80

NOTES

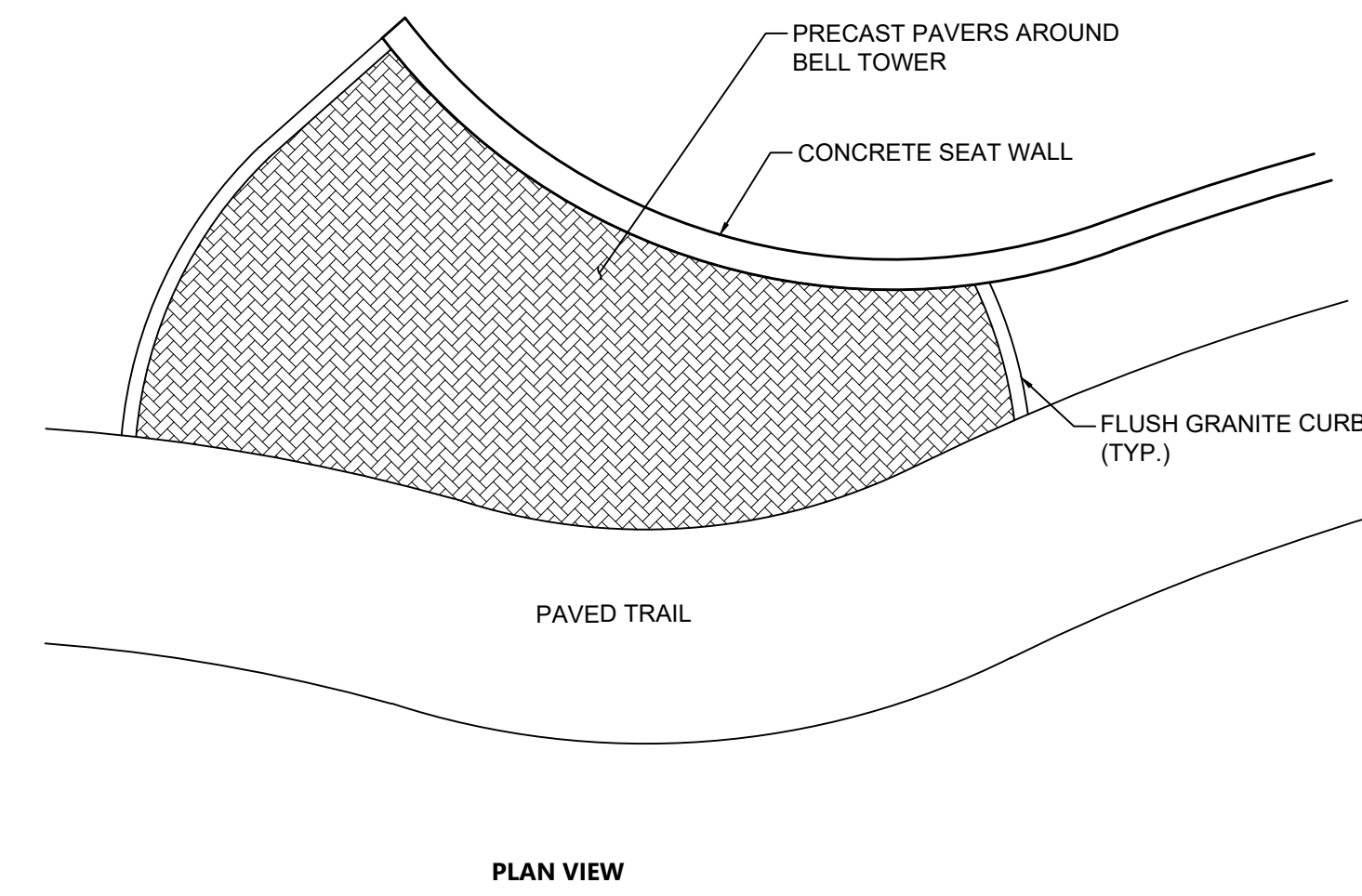
- THE BELL TOWER SHALL BE CONTROLLED AND POWERED BY WIRES IN TWO SEPARATE PARALLEL CONDUITS WITH POWER IN ONE CONDUIT AND CONTROL LINES IN THE OTHER.
- SEE THE ITEM 626.5 SUPPLEMENTAL SPECIFICATIONS FOR INFORMATION ON THE PROPOSED CONDUCTORS.



1
8 PLAZA 'A' ENLARGEMENT
N.T.S.



2
8 PLAZA 'B' ENLARGEMENT
N.T.S.



3
8 PLAZA 'C' ENLARGEMENT
N.T.S.

LIGHTING AND CONDUIT LAYOUT

	FROM		TO		LENGTH	CONDUIT	CONDUCTORS			REMARKS
	STA/OFFSET		STA/OFFSET				LIGHTS	RECEPTACLES	GROUND	
	STUB, LT	R1	53+90.5, 29.5' LT		47.6	1-1/2"	2 - #8	2 - #6	1 - #6	
R1	53+90.5, 29.5' LT	R2	54+52.3, 29.5' LT		72.0	1-1/2"	2 - #8	2 - #6	1 - #6	
R2	54+52.3, 29.5' LT	R3	55+24.3, 29.5' LT		72.0	1-1/2"	2 - #8	2 - #6	1 - #6	
R3	55+24.3, 29.5' LT	PB	55+82.3, 21.5' LT		63.4	1-1/2"	2 - #8	2 - #6	1 - #6	
PB	55+82.3, 21.5' LT	R4	55+86.5, 22.0' LT		5.0	1-1/2"	4 - #8	4 - #6	1 - #6	
R4	55+86.5, 22.0' LT	R5	56+52.0, 19.0' LT		68.3	1-1/2"	4 - #8	4 - #6	1 - #6	
PB	55+82.3, 21.5' LT	PB	114+48.9, 6.0' RT		60.2	1-1/2"	4 - #8	4 - #6	1 - #6	
R5	56+52.0, 19.0' LT	R6	57+04.1, 19.0' LT		52.0	1-1/2"	4 - #8	4 - #6	1 - #6	
R6	57+04.1, 19.0' LT	CAB	57+16.8, 34.0' RT		54.8	1-1/2"	4 - #8	4 - #6	1 - #6	SCHEDULE 80
CAB	57+16.8, 34.0' RT	R7	57+13.1, 26.0' RT		9.0	1-1/2"	4 - #8	4 - #6	1 - #6	
R7	57+13.1, 26.0' RT	PB	56+57.0, 22.5' RT		57.1	1-1/2"	4 - #8	4 - #6	1 - #6	
PB	56+57.0, 22.5' RT	R8	56+52.0, 22.5' RT		5.0	1-1/2"	2 - #8	2 - #6	1 - #6	
R8	56+52.0, 22.5' RT	R9	55+56.2, 22.9' RT		87.2	1-1/2"	2 - #8	2 - #6	1 - #6	
R9	55+56.2, 22.9' RT	R10	54+82.4, 20.5' RT		74.0	1-1/2"	2 - #8	2 - #6	1 - #6	
R10	54+82.4, 20.5' RT	R11	54+22.3, 20.5' RT		55.9	1-1/2"	2 - #8	2 - #6	1 - #6	
R11	54+22.3, 20.5' RT		STUB, RT		38.6	1-1/2"				PULL STRINGS
PB	56+57.0, 22.5' RT	PB	30+07.3, 28.0' RT		155.7	1-1/2"	2 - #8	2 - #6	1 - #6	
P1	30+06.3, 61.2' RT	PB	30+07.3, 28.0' RT		33.5	1-1/2"	2 - #8	2 - #6	1 - #6	
PB	30+07.3, 28.0' RT	P2	30+25.6, 15.5' RT		23.7	1-1/2"	2 - #8	2 - #6	1 - #6	
P2	30+25.6, 15.5' RT	P3	30+26.4, 22.5' RT		38.0	1-1/2"	2 - #8	2 - #6	1 - #6	
G1	10+48.7, 6.0' RT	PB	110+70.8, 6.5' RT		37.0	1-1/2"	2 - #8	2 - #6	1 - #6	
PB	110+70.8, 6.5' RT	G2	110+75.5, 9.0' RT		5.0	1-1/2"	2 - #8	2 - #6	1 - #6	
PB	110+70.8, 6.5' RT		STUB, LT		21.5	1-1/2"				PULL STRINGS
PB	110+70.8, 6.5' RT	G3	111+20.4, 6.0' RT		47.5	1-1/2"	2 - #8	2 - #6	1 - #6	
G3	111+20.4, 6.0' RT	G4	111+79.7, 8.8' RT		54.1	1-1/2"	2 - #8	2 - #6	1 - #6	
G4	111+79.7, 8.8' RT	G5	112+44.2, 6.0' RT		69.8	1-1/2"	2 - #8	2 - #6	1 - #6	
G5	112+44.2, 6.0' RT	G6	112+96.4, 6.0' RT		51.8	1-1/2"	2 - #8	2 - #6	1 - #6	
G6	112+96.4, 6.0' RT	PB	113+13.9, 6.0' RT		16.8	1-1/2"	2 - #8	2 - #6	1 - #6	
PB	113+13.9, 6.0' RT	PB	113+49.8, 6.0' RT		34.5	1-1/2"	2 - #8	2 - #6	1 - #6	
PB	113+49.8, 6.0' RT	G7	113+76.6, 6.0' RT		25.8	1-1/2"	2 - #8	2 - #6	1 - #6	
G7	113+76.6, 6.0' RT	G8	114+38.2, 7.5' RT		62.5	1-1/2"	2 - #8	2 - #6	1 - #6	
G8	114+38.2, 7.5' RT	PB	114+48.9, 6.0' RT		12.1	1-1/2"	2 - #8	2 - #6	1 - #6	
PB	114+48.9, 6.0' RT	G9	115+33.5, 5.5' RT		82.9	1-1/2"	2 - #8	2 - #6	1 - #6	
G9	115+33.5, 5.5' RT	G10	115+98.6, 6.0' LT		61.5	1-1/2"	2 - #8	2 - #6	1 - #6	

VHB PROJECT NUMBER: 52402.00

New Auburn Village Center
Redevelopment - Phase 1

SHEET NUMBER

8
OF 19

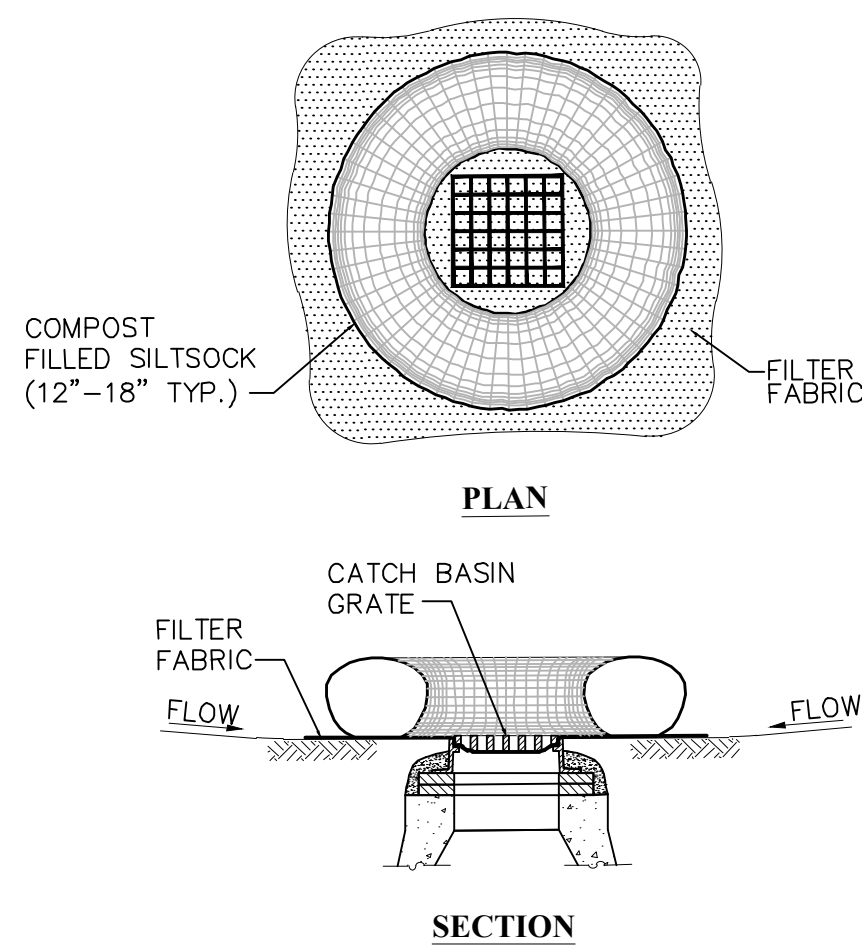
PROJECT INFORMATION
PROJECT MANAGER: G. BAKOS
DESIGNED BY: K. HUBEREAU
FILE NAME: 52402.00_DET - Phase 1
PLOT DATE: 8/16/2019

REVISIONS

DATE



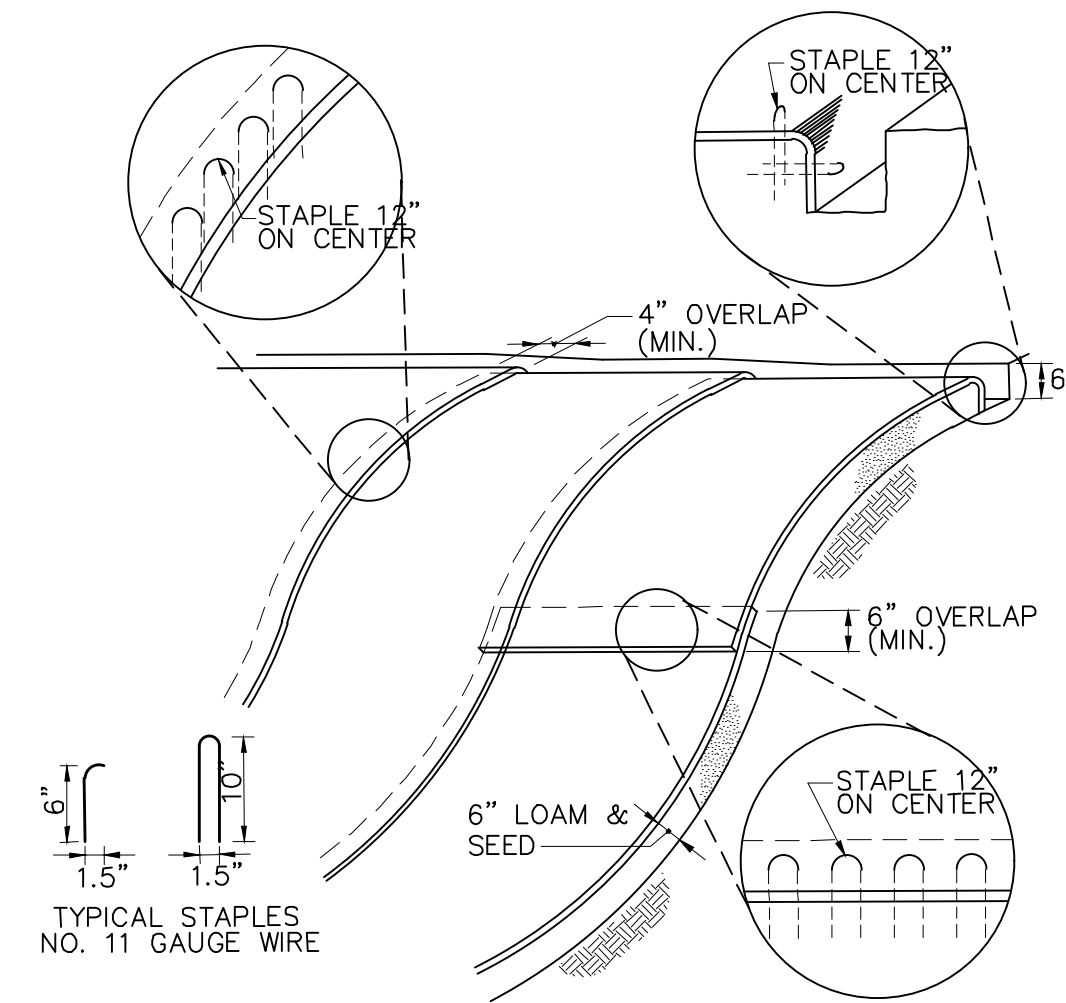
DETAILS (4 OF 6)



NOTES:

1. ENCLOSE STRUCTURE WITH SILT SOCK IMMEDIATELY AFTER CATCH BASIN CONSTRUCTION. MAINTAIN UNTIL PAVING BINDER COURSE IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
2. IF GRATE IS AGAINST EXISTING CURB THEN SILT SOCK IS TO BE PLACED AROUND THREE SIDES OF GRATE ONLY.
3. GRATE TO BE PLACED OVER FILTER FABRIC.
4. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
5. SILT SOCK SHALL BE FILTREXX SILT SOCK, OR APPROVED EQUAL.

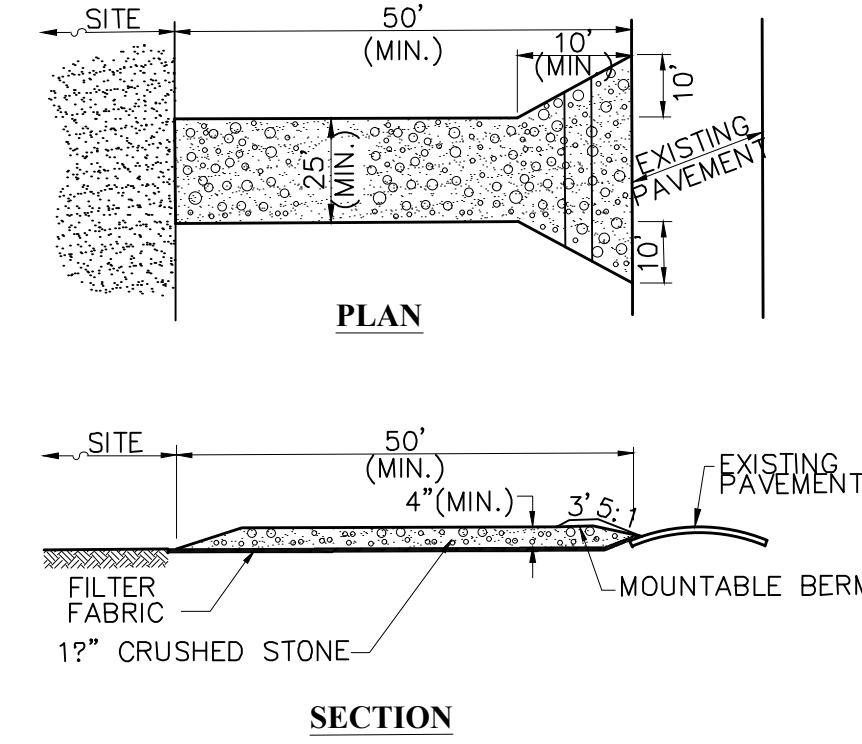
23
9 CATCH BASIN SEDIMENT TRAP - SILT SOCK
N.T.S.



NOTES:

1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4" INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6" INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3:1.

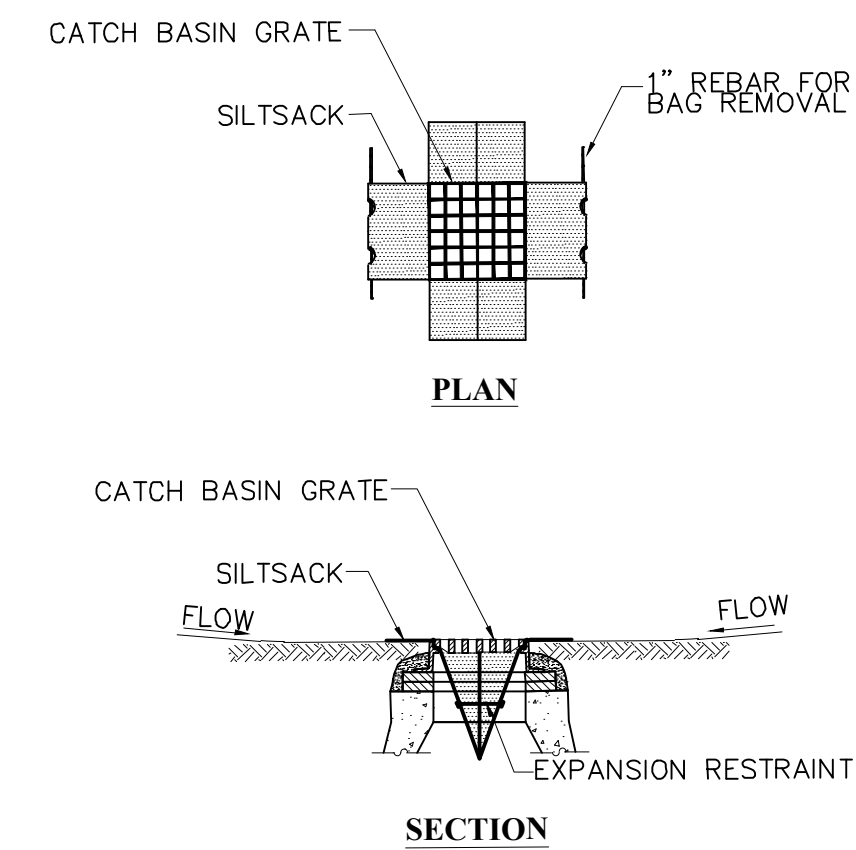
24
9 EROSION CONTROL BLANKET SLOPE INSTALLATION
N.T.S.



NOTES:

1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

25
9 STABILIZED CONSTRUCTION EXIT
N.T.S.



NOTES:

1. INSTALL SILT SACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILT SACK.
3. SILT SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

26
9 SILT SEDIMENT TRAP
N.T.S.

EROSION & SEDIMENTATION CONTROL NOTES

GENERAL

1. CONTRACTOR SHALL READ, BE FAMILIAR WITH, AND SHALL FOLLOW THE MAINE EROSION AND SEDIMENT CONTROL BMPs MANUAL (LATEST EDITION); AND SHALL BE ACCOUNTABLE TO THE THIRD PARTY INSPECTOR FOR THE PROJECT AND THE MDEP IN ACCORDANCE WITH DEP REGULATIONS.
2. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
4. MINIMUM TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES ARE SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE MINIMUM PROVISIONS SHOWN. ADDITIONALLY, TEMPORARY MEASURES SHALL BE SELECTED AND CONSTRUCTED BY THE CONTRACTOR IN CONSULTATION WITH THE ENGINEER TO ACCOMMODATE CHANGING FIELD CONDITIONS THAT DEVELOP DURING CONSTRUCTION.
5. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM AMOUNT OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION. TOP SOIL MUST BE COVERED WITH TEMPORARY OR PERMANENT COVER WITHIN 7 DAYS OF FINAL GRADING.
6. EARTH MATERIAL STOCKPILES SHALL BE LOCATED IN AREAS THAT HAVE A MINIMUM POTENTIAL FOR EROSION AND KEPT AS FAR AWAY AS POSSIBLE (100 FT MIN.) FROM EXISTING DRAINAGE COURSES OR WETLAND RESOURCES.
7. PUMPED WATER FROM DEWATERING ACTIVITIES SHALL BE DISCHARGED INTO SETTLING BASINS, FILTER BAGS OR OTHER APPROVED METHODS PRIOR TO DISCHARGE INTO THE ON-SITE STORMWATER MANAGEMENT SYSTEM. ALL WATER FROM DEWATERING ACTIVITIES SHALL BE RECHARGED ON-SITE OR DIRECTED TO THE DETENTION BASIN FOR DISCHARGE.

CONSTRUCTION SEQUENCE

1. SURVEY AND STAKE LIMITS OF CLEARING AND GRUBBING.
2. SURVEY AND STAKE (50 FT OC) LIMITS OF MDEP BUFFER AND FLAG LIMITS OF DISTURBANCE. LIMITS NEED TO BE CONFIRMED BY THE CITY PRIOR TO START OF CONSTRUCTION.
3. INSTALL TEMPORARY EROSION CONTROL MEASURES (COMPOST MULCH TUBES, INLET PROTECTION, CONSTRUCTION EXITS, ETC.).
4. CLEAR AND GRUB ALL AREAS TO BE DISTURBED BY CONSTRUCTION AND PERFORM DEMOLITION OPERATIONS.
5. STRIP LOAM AND PAVEMENT, OR RECLAIM EXISTING PAVEMENT WITHIN LIMITS OF WORK AND STOCKPILE EXCESS MATERIAL.
6. PREPARE BUILDING PAD(S) TO ENABLE BUILDING CONSTRUCTION TO BEGIN.
7. INSTALL SEWER SYSTEM, DRAINAGE SYSTEM, AND OTHER UTILITIES IN ACCORDANCE WITH THE PLANS AND DETAILS.
8. INSTALL CATCH BASIN SEDIMENT TRAPS AT ALL CATCH BASINS AS THEY ARE CONSTRUCTED, IN ACCORDANCE WITH THE DETAILS.
9. PERFORM FINAL / FINE GRADING INCLUDING SLOPE STABILIZATION BLANKETS.
10. PERFORM ALL REMAINING SITE CONSTRUCTION. (I.E. BUILDING, LANDSCAPE, AND PAVEMENT AREAS).
11. LOAM AND SEED ALL DISTURBED AREAS.
12. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER FINAL PAVEMENT SURFACING IS INSTALLED; AND LANDSCAPING AREAS ARE ESTABLISHED AND STABILIZED.
13. CLEAN ALL DRAINAGE BASINS, STRUCTURES, PIPES, AND SUMPS WITHIN THE PROJECT LIMITS OF ALL SILT AND DEBRIS.

WINTER CONSTRUCTION

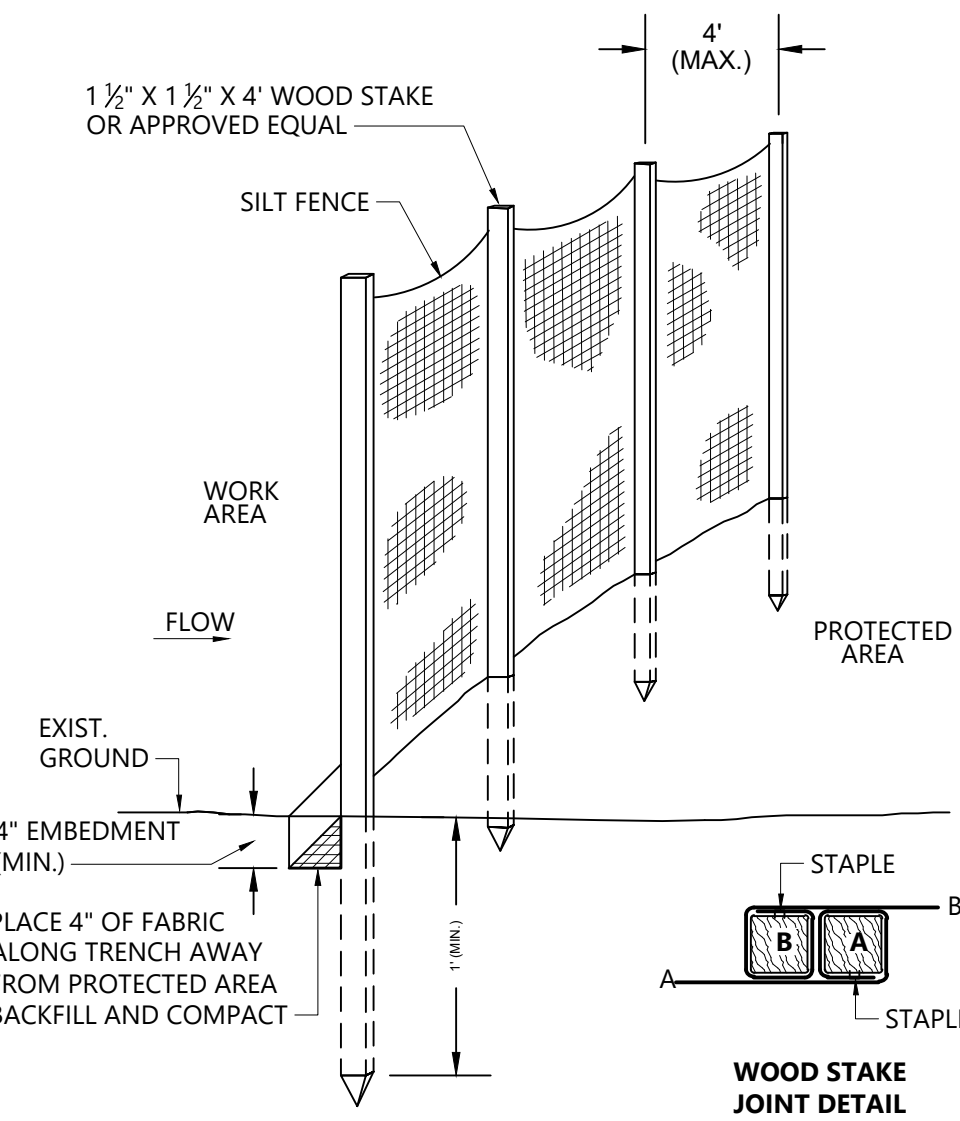
1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THRU APRIL 15.
2. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT A MAXIMUM OF 1 ACRE OF THE SITE IS UNSTABILIZED AT ANY ONE TIME.
3. EXPOSED AREAS ARE TO BE LIMITED TO AREAS THAT WORK WILL OCCUR WITHIN THE FOLLOWING 15 DAYS; AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
4. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB PER 1,000 SF OR 3 TONS/ACRE. MULCH SHALL BE APPLIED AND ANCHORED SO THAT THE GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH.
5. AREAS SHALL NOT BE CONSIDERED STABLE UNTIL SEEDED AND MULCHED; SODDED, COVERED WITH GRAVEL; OR PAVED.
6. MULCH SHALL NOT BE APPLIED WHERE THE SNOW DEPTH EXCEEDS ONE INCH. SNOW SHALL BE REMOVED PRIOR TO APPLICATION.
7. LOAM OR SEED WILL NOT BE REQUIRED BETWEEN OCTOBER 15 AND APRIL 15.
8. DURING PERIODS WHEN TEMPERATURES ARE ABOVE FREEZING, AREAS SHALL BE FINE GRADED AND PROTECTED WITH EITHER MULCH; OR TEMPORARILY SEEDED AND MULCHED UNTIL THE FINAL TREATMENT CAN BE APPLIED.
9. AFTER NOVEMBER 1 EXPOSED AREAS THAT HAVE BEEN LOAMED AND FINAL GRADED MAY BE DORMANT SEEDED AT A RATE OF 3 TIME THE PERMANENT SEED RATE AND MULCHED.
10. ALL AREAS SEEDED DURING THE WINTER SHALL BE INSPECTED IN THE SPRING FOR CATCH. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 75% CATCH) SHALL BE RESEEDED AND MULCHED.
11. EROSION CONTROL BLANKETS OR NETTING OVER LOOSE MULCH SHALL BE APPLIED TO ALL VEGETATED SLOPES GREATER THAN 3:1

SEEDING / MULCHING

1. FERTILIZER, SUPERPHOSPHATE, AND LIME SHALL BE APPLIED AT RATES RECOMMENDED BY THE TESTING AGENCY AND APPROVED BY THE ENGINEER.
2. PERMANENT SEED SHALL BE SUPPLIED IN THE FOLLOWING PROPORTIONS AND APPLIED AT A RATE OF FIVE POUNDS PER 1,000 SF:
SEED TYPE (% PROPORTION / % GERMINATION MIN. / % PURITY MIN.)
CREEPING FESCUE (50/85/95)
KENTUCKY BLUEGRASS (40/85/90)
MANHATTAN PERENNIAL RYE (10/90/95)
3. TEMPORARY SEED SHALL BE SUPPLIED IN THE FOLLOWING PROPORTIONS AND APPLIED AT A RATE OF 100 POUNDS PER ACRE:
SEED TYPE (% WEIGHT MIN. / % GERMINATION MIN.)
WINTER RYE (80/85)
RED FESCUE - CREEPING (4/80)
PERENNIAL RYE GRASS (3/90)
RED CLOVER (3/90)
4. MULCH SHALL BE APPLIED TO AREAS IMMEDIATELY AFTER THEY HAVE BEEN SEEDED. MULCH SHALL CONSIST OF HAY, STRAW, HYDRO-MULCH, EROSION CONTROL BLANKETS, OR APPROVED EQUAL.
5. HAY OR STRAW MULCH SHALL BE AIR-DRIED; AND FREE OF UNDESIRABLE SEEDS AND COARSE MATERIALS. MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 1-1/2 TONS/ACRE. MULCH SHALL BE ANCHORED WITH NETTING, PEG/TWINE, OR TRACKING. MULCH SHALL BE ANCHORED UNTIL THE FINAL TREATMENT CAN BE APPLIED TO SLOPES GREATER THAN 15 PERCENT.
6. EROSION CONTROL BLANKETS SHALL BE PROVIDED ON ALL SLOPES STEEPER THAN OF 1-FOOT RISE TO 3- FEET HORIZONTAL. BLANKETS SHALL BE SCISO BN (NORTH AMERICAN GREEN); CURLEX BLANKETS (AMERICAN EXCELSIOR COMPANY); POLYJUTE STYLE 465 GT (SYNTHETIC INDUSTRIES); OR APPROVED EQUIVALENT. BLANKETS SHALL BE SECURED AS RECOMMENDED BY THE MANUFACTURER.

SITE INSPECTION & MAINTENANCE

1. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN 24 HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
2. CONTRACTOR SHALL MAINTAIN WRITTEN INSPECTION AND MAINTENANCE LOGS FOR THE EROSION CONTROL MEASURES FOR THE DURATION OF THE CONSTRUCTION PERIOD. CONTRACTOR SHALL ALSO RETAIN A COPY OF PERMANENT STABILIZATION. LOGS SHALL BE MADE AVAILABLE TO THE OWNER, ENGINEER, TOWN, AND MDEP UPON REQUEST. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPs THAT NEED MAINTENANCE, BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPs ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPs, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN WHEN IT WAS TAKEN.
3. **TEMPORARY MULCHING:** ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED TO AREAS WHERE LESS THAN 90% OF THE SOIL SURFACE IS COVERED WITH MULCH.
4. **CATCH BASIN/SILT SACK SEDIMENT TRAPS:** SEDIMENT SHALL BE REMOVED FROM TRAPS WHEN ACCUMULATION DEPTH IS GREATER THAN OR EQUAL TO 1/2 THE DESIGN DEPTH OF THE TRAP. TRAPS SHALL BE REPLACED IF THERE ARE DAMAGE, TORN, ETC.
5. **COMPOST MULCH TUBES, SILT FENCE BARRIERS, AND STONE CHECK DAMS:** COMPOST MULCH TUBES, SILT FENCE, AND STONE CHECK DAMS SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. SEDIMENT TRAPPED BEHIND BARRIERS/CHECK DAM SHALL BE REMOVED WHEN SEDIMENT DEPTH REACHES 6 INCHES. BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM IF THERE ARE SIGNS OF UNDERCUTTING OR IMPOUNDING LARGE VOLUMES OF WATER BEHIND THEM.
6. **EROSION CONTROL BLANKETS:** IF WASHOUTS OR BREAKAGE OCCURS, SLOPES SHALL BE REPAIRED AND BLANKETS SHALL BE RE-INSTALLED.
7. **STABILIZED CONSTRUCTION EXITS:** EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. IF EXIT BECOMES INEFFECTIVE IT SHALL BE RECONSTRUCTED AND/OR REPLACED.
8. **TEMPORARY SEDIMENTATION/DEWATERING BASINS:** SEDIMENT IN TEMPORARY BASINS SHALL BE REMOVED AS NECESSARY DEPENDING ON THEIR USE AND DESIGN.
9. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.



NOTES:

1. SILT FENCE SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

27
9 SILT FENCE BARRIER
N.T.S.

VHB PROJECT NUMBER: 52402.00

New Auburn Village Center
Redevelopment - Phase 1

DETAILS (5 OF 6)

SHEET NUMBER

9

OF 19

PROJECT MANAGER	G. BAKOS
DESIGNED BY	K. HUBERDEAU
FILE NAME	52402.00_DET - Phase 1
PLOT DATE	8/16/2019

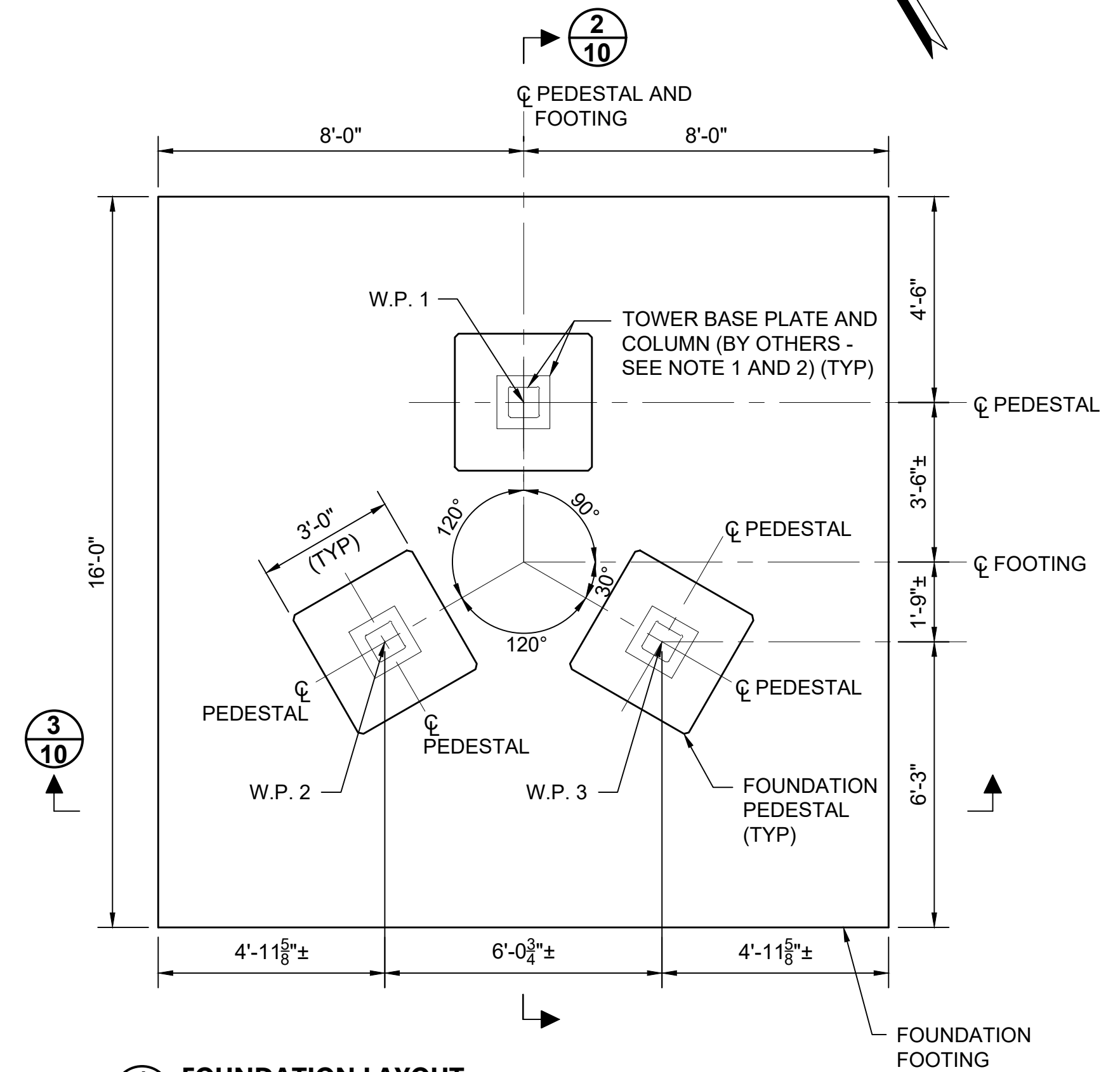
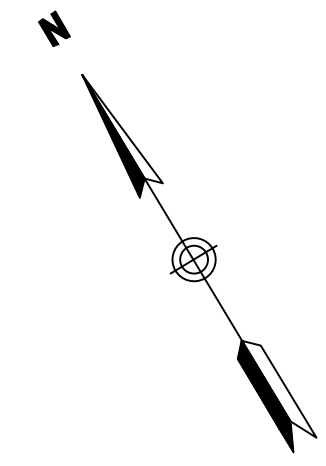
INFORMATION

vhb
500 Southborough Drive, Suite 105B
South Portland, Maine 04106

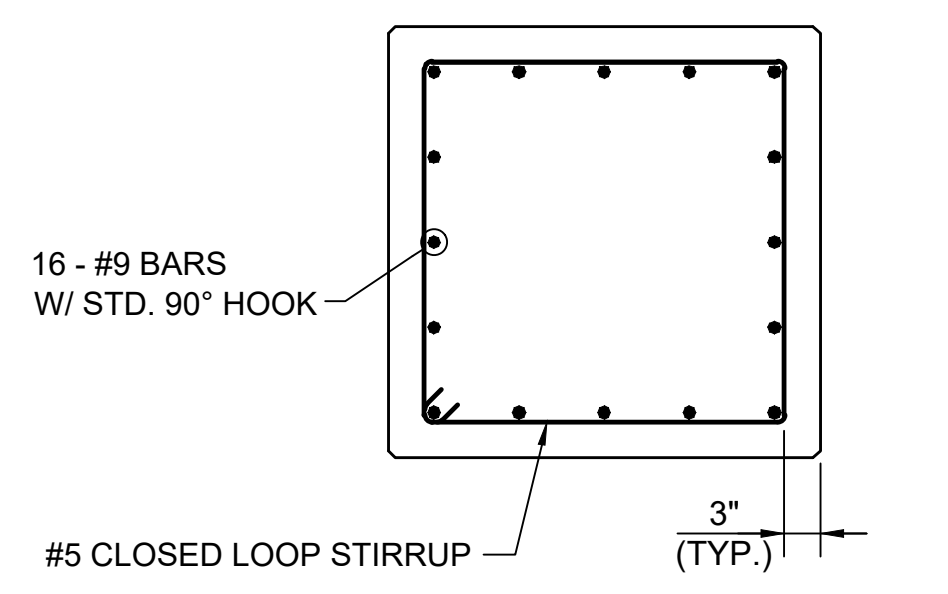
REVISIONS

DATE

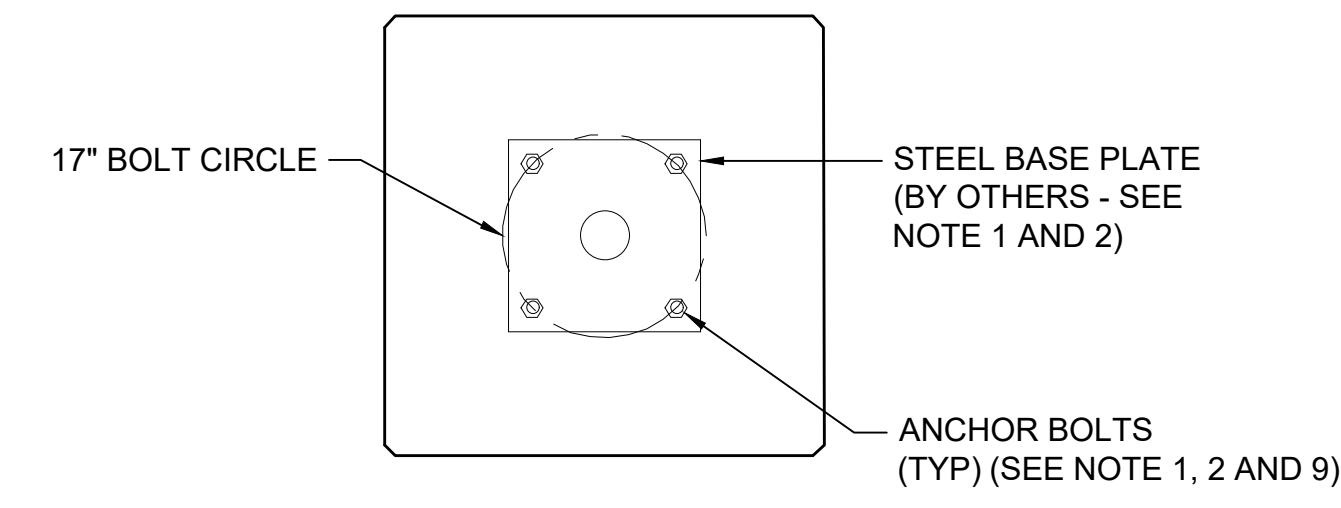
TENTATIVE WORKING POINT TABLE (SEE NOTE 16)		
WORKING POINT	NORTHING	EASTING
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W.P. 3	457499.5448	2937780.1306



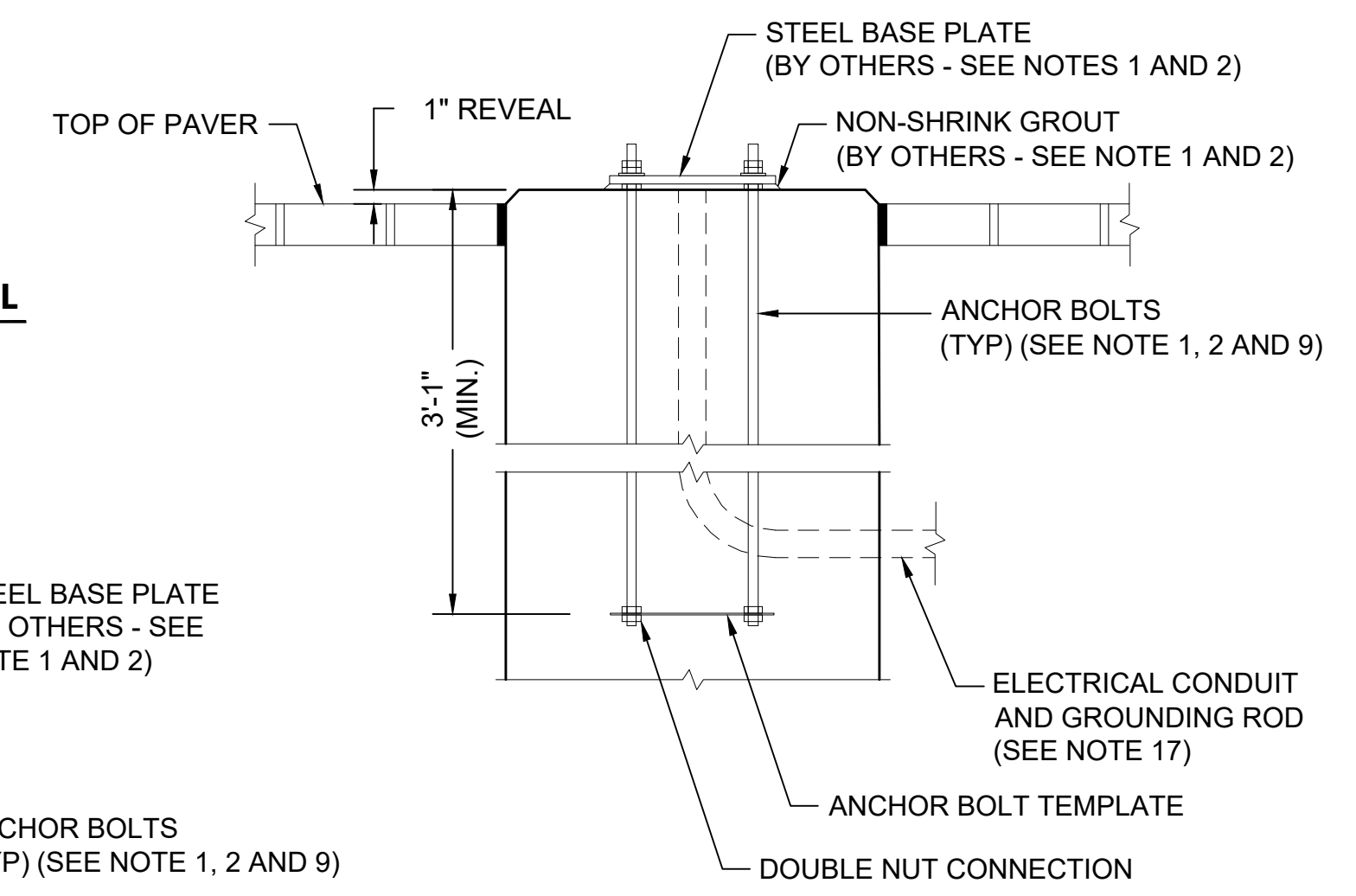
1 FOUNDATION LAYOUT
SCALE: $\frac{3}{8}'' = 1'-0''$



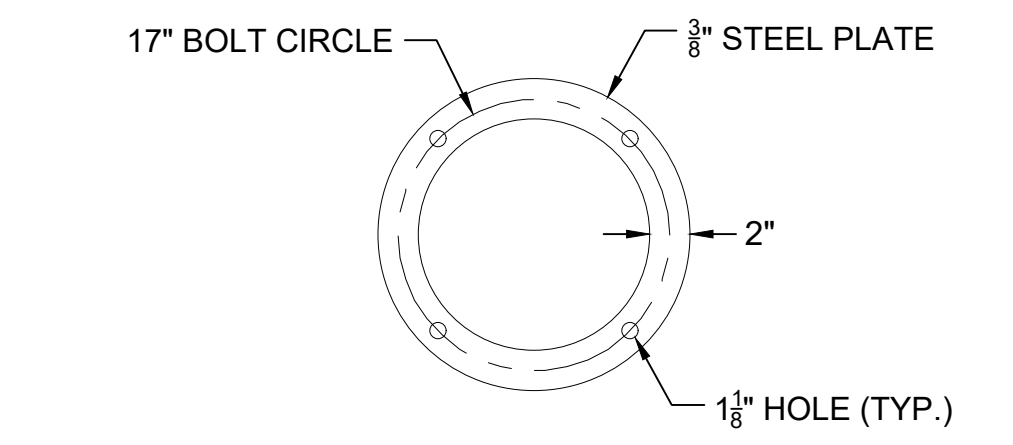
4 REINFORCING SECTION THRU PEDESTAL
SCALE: $\frac{3}{4}'' = 1'-0''$



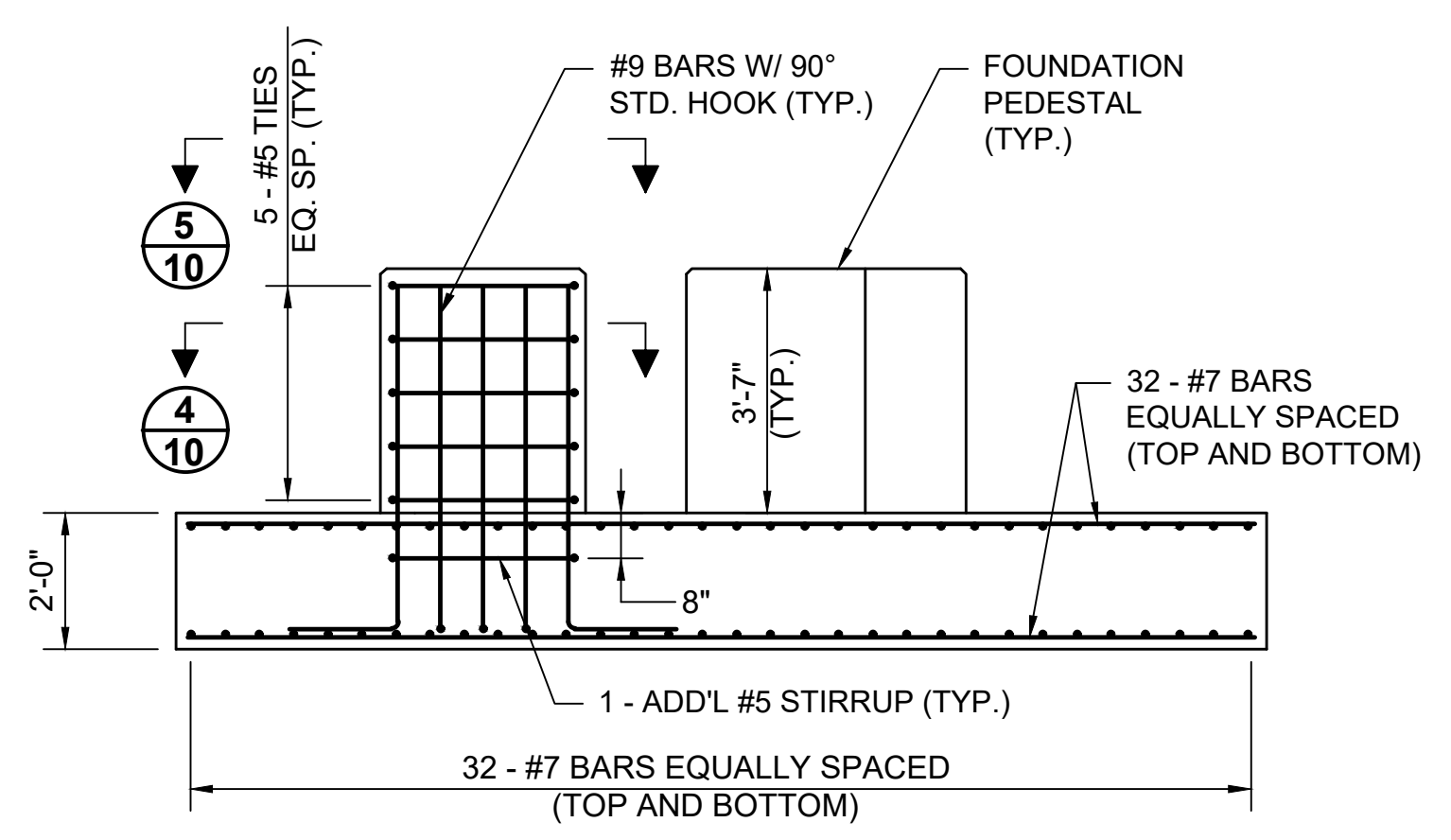
5 PLAN VIEW OF TOP OF PEDESTAL
SCALE: $\frac{3}{4}'' = 1'-0''$



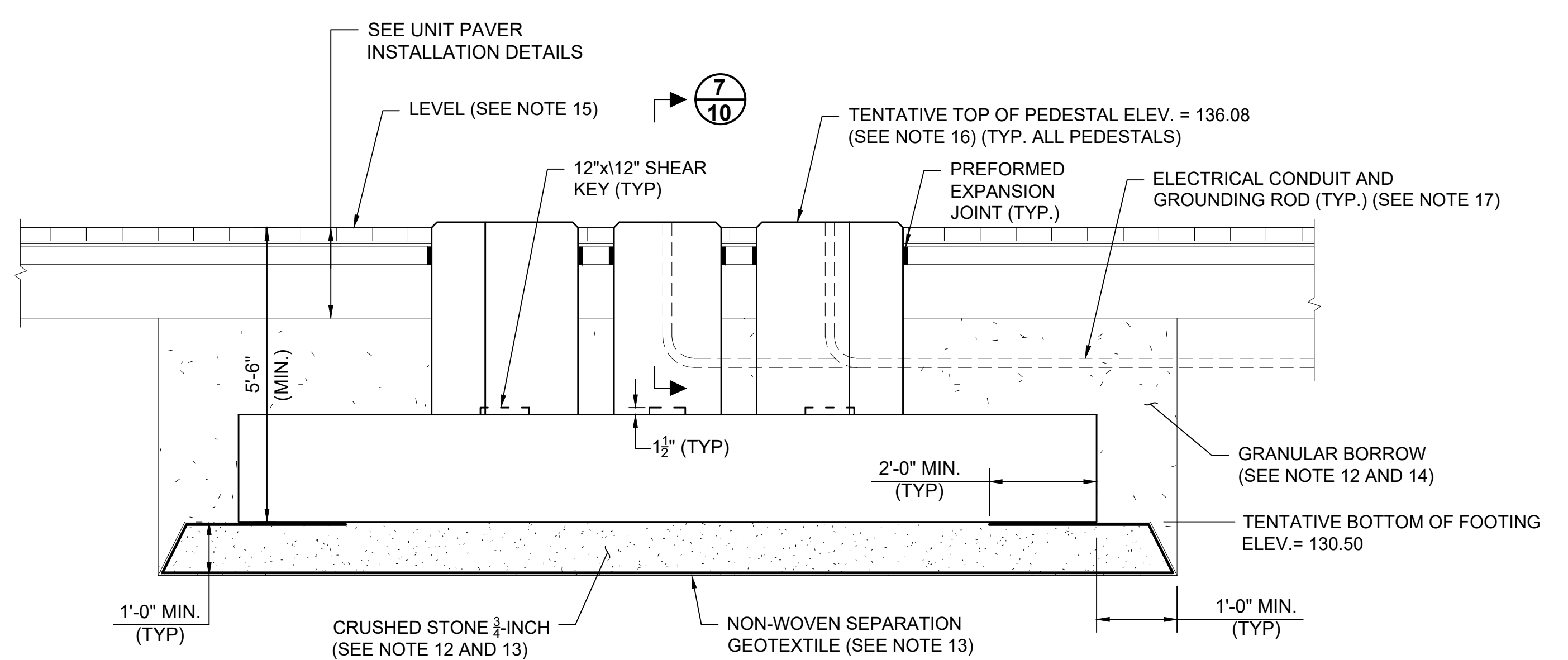
7 ELEVATION SECTION THRU PEDESTAL
SCALE: $\frac{3}{4}'' = 1'-0''$



6 ANCHOR BOLT TEMPLATE
SCALE: $1'' = 1'-0''$



2 FOUNDATION REINFORCING
SCALE: $\frac{3}{8}'' = 1'-0''$



3 EARTHWORK TYPICAL SECTION
N.T.S.

NOTES

- THIS SHEET SOLELY REPRESENTS THE DESIGN AND DETAILS OF THE FOUNDATION SHOWN. THE DESIGN AND DETAILING OF ANCHOR BOLTS, BASE PLATES, AND ALL OTHER TOWER COMPONENTS IS THE RESPONSIBILITY OF THE TOWER MANUFACTURER. PRIOR TO FOUNDATION CONSTRUCTION THE CITY OF AUBURN WILL PROVIDE STAMPED AND APPROVED TOWER SHOP DRAWINGS TO THE ENGINEER, FOR REVIEW OF CONFORMANCE WITH THE FOUNDATION DESIGN ASSUMPTIONS.
- PHASE I OF THIS PROJECT INCLUDES THE CONSTRUCTION OF THE FOUNDATION AND SETTING OF ANCHOR BOLTS AS SHOWN ON THIS PLAN SHEET. INSTALLATION OF THE TOWER BASE PLATE, NON-SHRINK GROUT, AND ALL OTHER TOWER COMPONENTS WILL BE COMPLETED UNDER A SEPARATE CONTRACT.
- PRIOR TO FOUNDATION CONSTRUCTION THE CONTRACTOR SHALL HIRE A GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF MAINE TO PREFORM A SUBSURFACE INVESTIGATION AND A GEOTECHNICAL EVALUATION OF THE SOILS AT THE FOUNDATION LOCATION. THE GEOTECHNICAL ENGINEER SHALL EVALUATE THE PROPOSED FOUNDATION AND THE FOLLOWING GEOTECHNICAL PARAMETERS ASSUMED FOR FOUNDATION DESIGN:
 - MAXIMUM ALLOWABLE BEARING PRESSURE - 2000 PSI
 - MINIMUM BASE FRICTION FACTOR = 0.35
 - MAXIMUM DIFFERENTIAL SETTLEMENT - 3/8-INCH BETWEEN ANY TWO CORNERS OF FOOTING.
 - SEISMIC SITE CLASS E
 IF ANY OF THE ABOVE PARAMETERS CAN NOT BE MET BASED ON THE GEOTECHNICAL EVALUATION, THE ENGINEER SHALL BE NOTIFIED AND THE FOUNDATION SHALL BE REDESIGNED BASED ON THE GEOTECHNICAL EVALUATION AND RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
- ALL CONCRETE SHALL BE MAINEDOT CLASS A, WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI AND SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE 2014 MAINEDOT STANDARD SPECIFICATION SECTION 502.
- ALL REBAR SHALL BE UNCOATED AND CONFORM TO ASTM A615, GRADE 60. ALL REBAR BENDS AND HOOKS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318-14 CHAPTER 25.
- ALL REBAR SHALL HAVE 3-INCH CLEAR COVER.
- ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1-INCH CHAMFER.
- THE ANCHOR BOLT TEMPLATE SHALL CONFORM TO ASTM A36 AND SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123. NUTS AT ANCHOR BOLT TEMPLATE SHALL CONFORM TO ASTM A563 AND SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153.
- DIAMETER AND MATERIAL GRADE OF ANCHOR BOLTS SHALL BE AS SPECIFIED BY THE TOWER MANUFACTURER, EXCEPT FOR THE MINIMUM EMBEDMENT LENGTH SHOWN ON THIS SHEET. ANCHOR BOLTS SHALL BE HOT-DIPPED GALVANIZED. ALL COSTS FOR FABRICATION AND INSTALLATION OF THE ANCHOR BOLTS AND ANCHOR BOLT TEMPLATE SHALL BE INCIDENTAL TO CONTRACT ITEMS.
- THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH 2015 INTERNATIONAL BUILDING CODE. WIND LOADING HAS BEEN CALCULATED USING A 115 MPH WIND SPEED AND EXPOSURE CLASS C WIND LOADS IN ACCORDANCE WITH ASCE 7-10, CHAPTER 27.
- THE FOUNDATION HAS BEEN DESIGNED USING SEISMIC DESIGN CATEGORY C AND RISK CATEGORY II SEISMIC LOADS IN ACCORDANCE WITH ASCE 7-10, CHAPTER 12.
- ALL SITE PREPARATION, EXCAVATION, BACKFILLING, AND COMPACTION REQUIRED FOR FOUNDATION CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
- THE FOOTING SHALL BEAR ON AT LEAST 12-INCH OF COMPACTED CRUSHED STONE 3/4-INCH WRAPPED IN A NON-WOVEN SEPARATION GEOTEXTILE. ANY SOILS CONTAINING ORGANICS AS WELL AS ANY DISTURBED SOIL MUST BE COMPLETELY REMOVED FROM BENEATH AREAS OF PROPOSED FOUNDATIONS AND BACKFILLED WITH PROPERLY COMPACTED CRUSHED STONE 3/4-INCH. CRUSHED STONE 3/4-INCH SHALL MEET THE REQUIREMENTS STATED IN THE PROJECT SPECIFICATIONS
- GRANULAR BORROW USED TO BACKFILL ABOVE AND ADJACENT TO THE PROPOSED FOUNDATION SHALL MEET THE REQUIREMENTS STATED IN THE PROJECT SPECIFICATION.
- FINISH GRADE (TOP OF PAVER) SHALL BE LEVEL FOR A CIRCULAR AREA 22-FOOT IN DIAMETER CENTERED AT THE CENTER OF FOUNDATION.
- THE WORKING POINTS AND ELEVATIONS SHOWN ON THIS PLAN SHEET ARE TENTATIVE. PRIOR TO FOUNDATION CONSTRUCTION THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION AND ELEVATIONS OF THE FOUNDATION IN-FIELD WITH THE CITY OF AUBURN.
- ELECTRICAL CONDUIT AND GROUNDING ROD SHALL BE AS SHOWN ON VERDIN PLANS. LOCATION OF ALL CONDUITS, GROUNDING RODS, AND OTHER EQUIPMENT TO BE LOCATED BY THE CONTRACTOR PRIOR TO FOUNDATION CONSTRUCTION.

VHB PROJECT NUMBER: 52402.00

New Auburn Village Center
Redevelopment – Phase 1
BELL TOWER
FOUNDATION DETAILS

DATE: _____

REVISIONS:

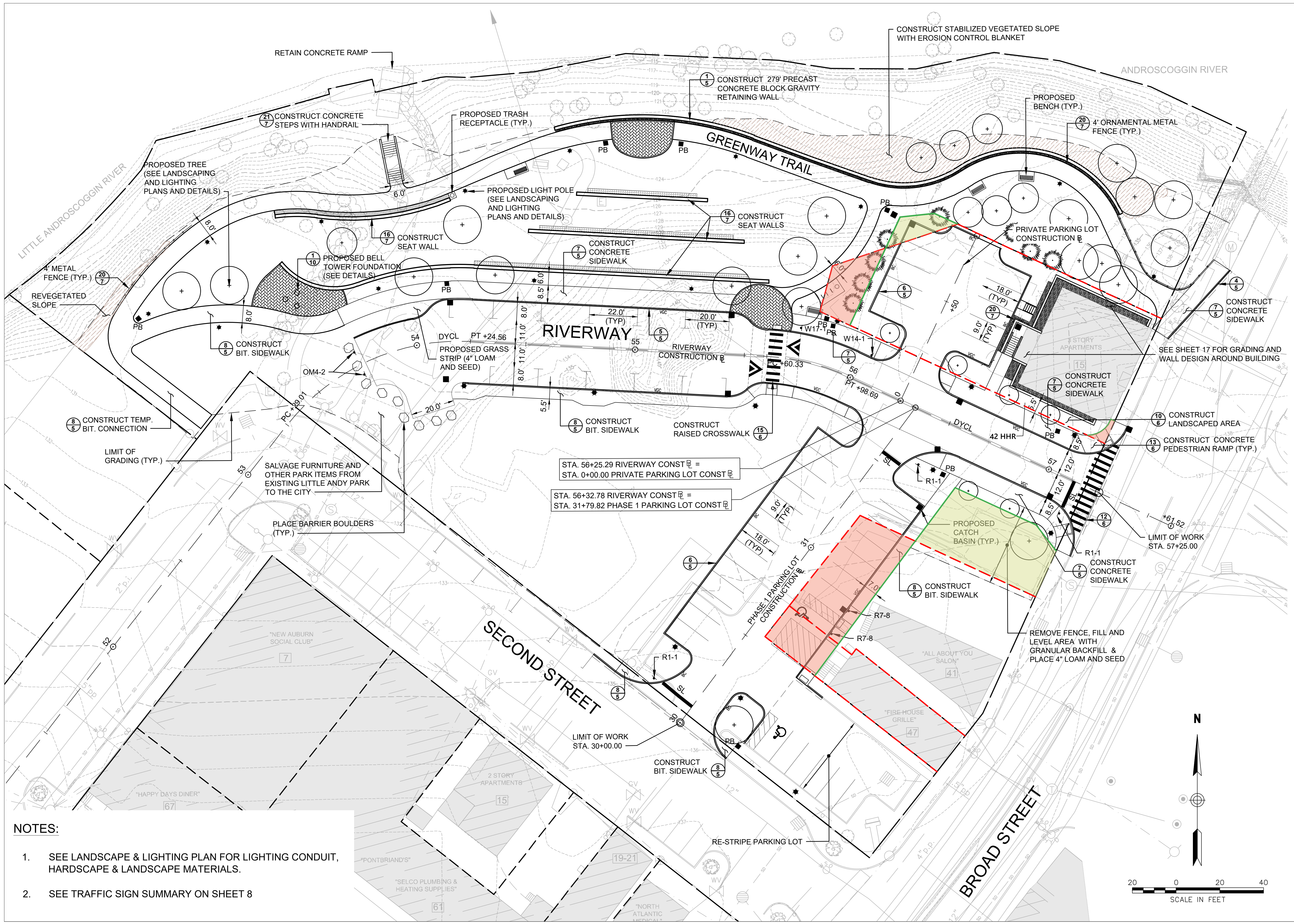
NO.	DESCRIPTION	DATE

INFORMATION:

PROJECT MANAGER	G. BAKOS
DESIGNED BY	J. MACPHERSON
FILE NAME	52402.00_DET - Phase 1
PLOT DATE	8/16/2019

SHEET NUMBER: 10 OF 19

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South Portland, Maine 04106

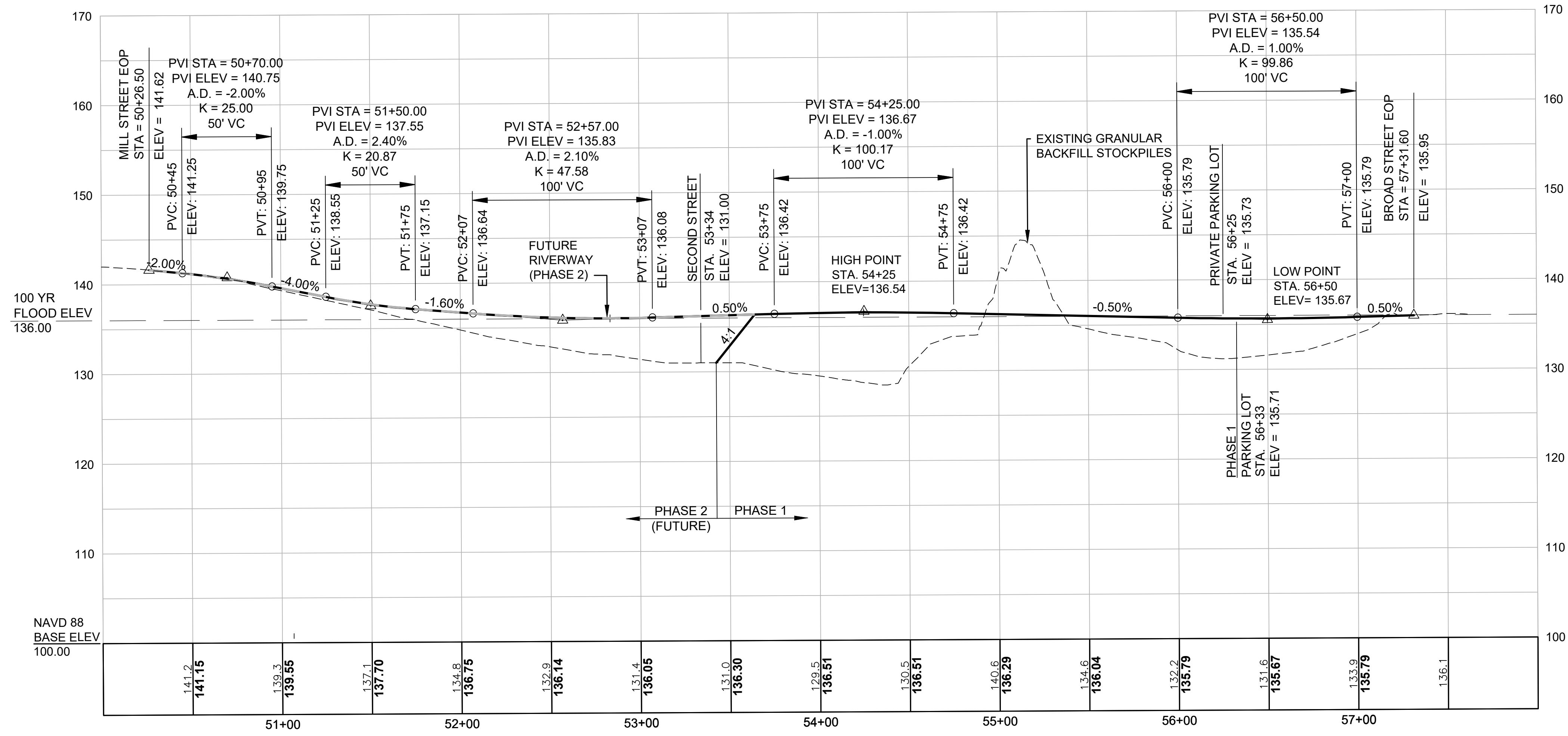


- NOTES:**
1. SEE LANDSCAPE & LIGHTING PLAN FOR LIGHTING CONDUIT, HARDSCAPE & LANDSCAPE MATERIALS.
 2. SEE TRAFFIC SIGN SUMMARY ON SHEET 8

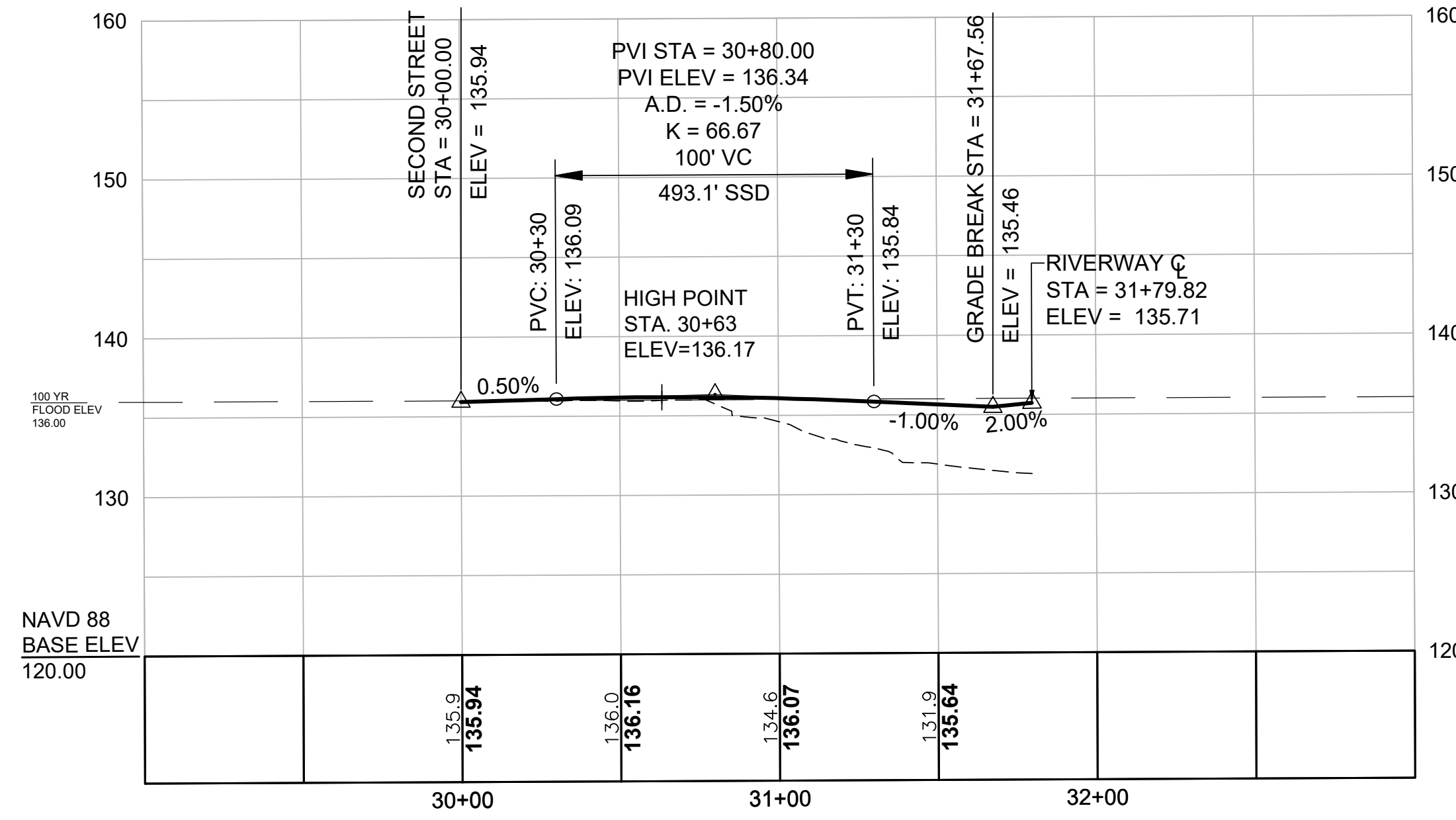
VHB PROJECT NUMBER: 52402.00		DATE	
New Auburn Village Center Redevelopment - Phase 1		REVISIONS	
GENERAL PLAN		DATE	
SHEET NUMBER		DATE	
11		DATE	
OF 19		DATE	
INFORMATION		REVISIONS	
PROJECT MANAGER	G. BAKOS	DATE	
DESIGNED BY	K. HUBERDEAU	DATE	
FILE NAME	52402.00_GEN - Phase 1	DATE	
PLOT DATE	8/16/2019	DATE	

vhb
 500 Southborough Drive, Suite 105B
 South Portland, Maine 04106

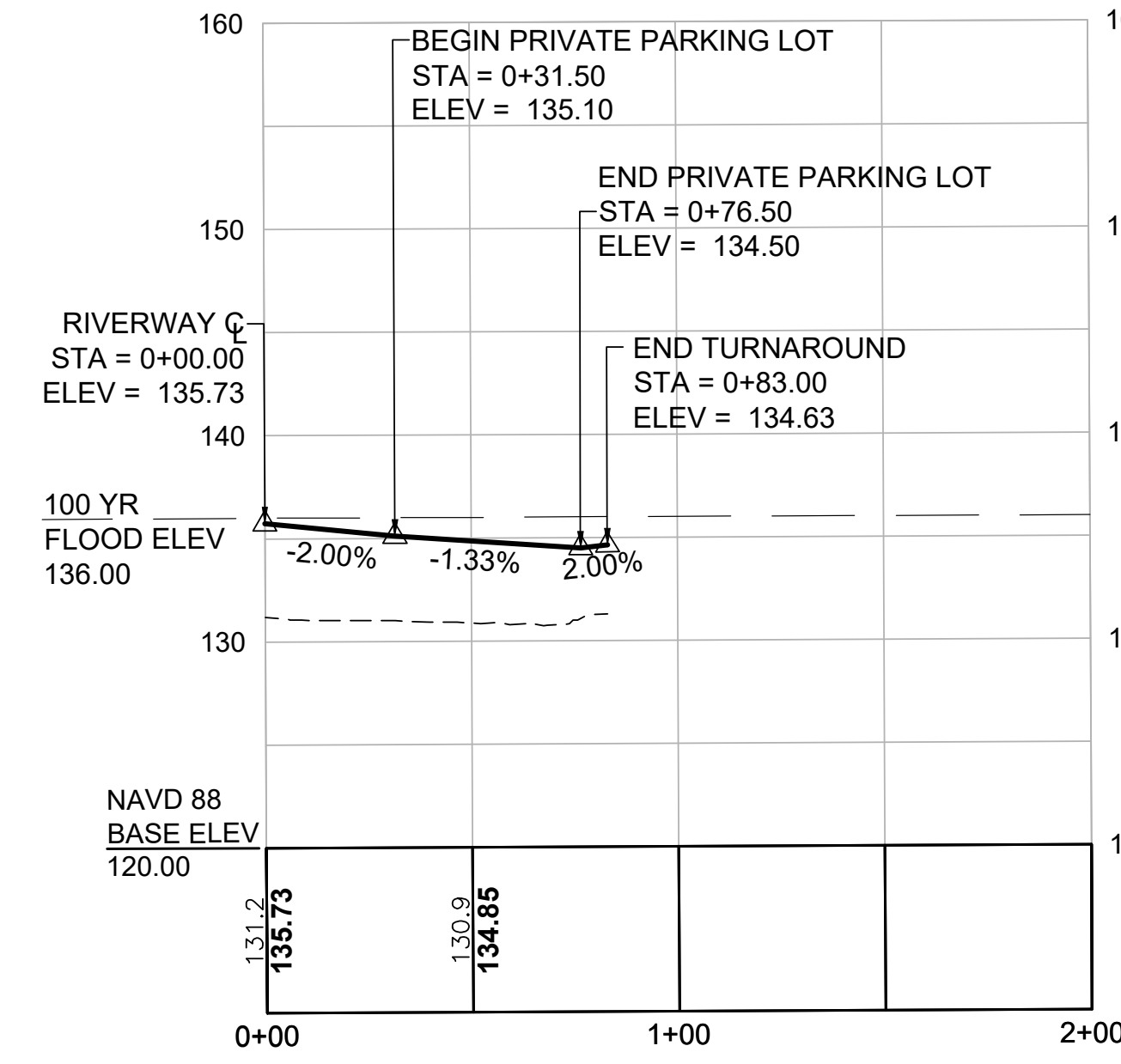
Riverway



Phase 1 Parking Lot



Private Parking Lot



500 Southborough Drive, Suite 105B
South Portland, Maine 04106

INFORMATION
PROJECT MANAGER G. BAKOS
DESIGNED BY K. HUBERDEAU
FILE NAME 52402.00_PRO - Phase 1
PLOT DATE 8/18/2019

PROJECT NUMBER: 52402.00

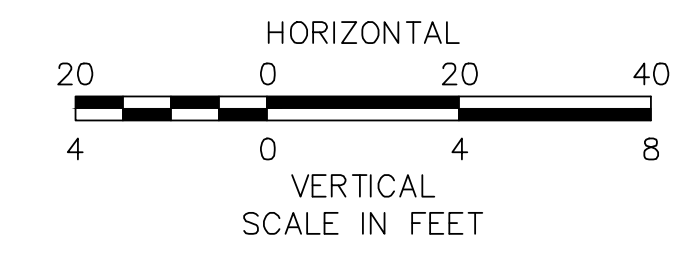
New Auburn Village Center
Redevelopment - Phase 1

PROFILES

SHEET NUMBER

12

OF 19



REVISIONS	DATE

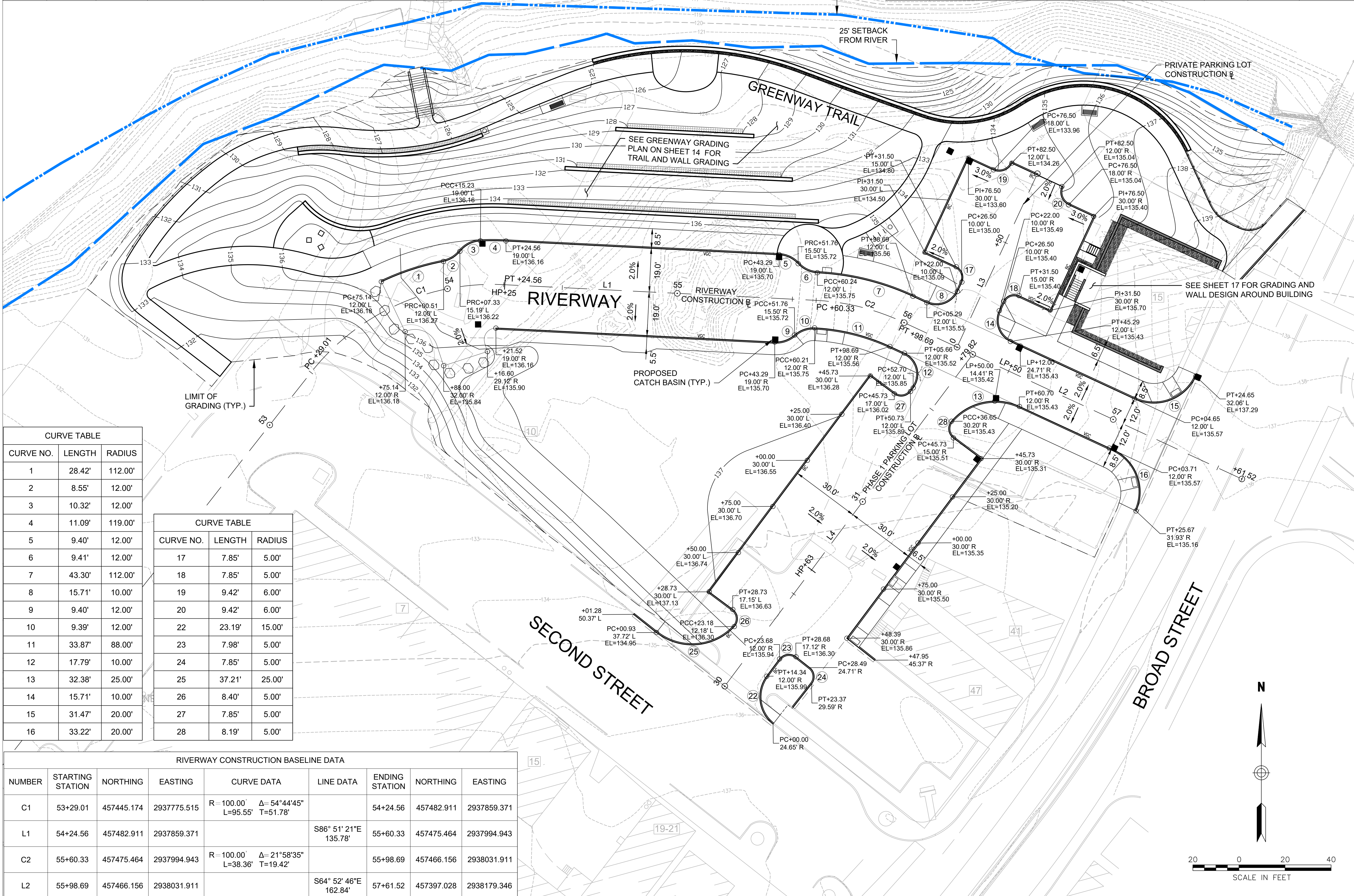
ANDROSCOGGIN RIVER

PHASE 1 PARKING LOT CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L4	30+00.00	457308.125	2937954.492		N37° 01' 42"E 179.82'	31+79.82	457451.682	2938062.781

PRIVATE PARKING LOT CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L3	0+00.00	457454.861	2938056.000		N25° 07' 08"E 82.99'	0+82.99	457529.999	2938091.227



CURVE NO.	LENGTH	RADIUS
1	28.42'	112.00'
2	8.55'	12.00'
3	10.32'	12.00'
4	11.09'	119.00'
5	9.40'	12.00'
6	9.41'	12.00'
7	43.30'	112.00'
8	15.71'	10.00'
9	9.40'	12.00'
10	9.39'	12.00'
11	33.87'	88.00'
12	17.79'	10.00'
13	32.38'	25.00'
14	15.71'	10.00'
15	31.47'	20.00'
16	33.22'	20.00'

CURVE NO.	LENGTH	RADIUS
17	7.85'	5.00'
18	7.85'	5.00'
19	9.42'	6.00'
20	9.42'	6.00'
22	23.19'	15.00'
23	7.98'	5.00'
24	7.85'	5.00'
25	37.21'	25.00'
26	8.40'	5.00'
27	7.85'	5.00'
28	8.19'	5.00'

RIVERWAY CONSTRUCTION BASELINE DATA

NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C1	53+29.01	457445.174	2937775.515	R=100.00' Δ=54°44'45" L=95.55' T=51.78'		54+24.56	457482.911	2937859.371
L1	54+24.56	457482.911	2937859.371		S86° 51' 21"E 135.78'	55+60.33	457475.464	2937994.943
C2	55+60.33	457475.464	2937994.943	R=100.00' Δ=21°58'35" L=38.36' T=19.42'		55+98.69	457466.156	2938031.911
L2	55+98.69	457466.156	2938031.911		S64° 52' 46"E 162.84'	57+61.52	457397.028	2938179.346

DATE

REVISIONS

INFORMATION

PROJECT

PROJECT MANAGER

DESIGNED BY

FILE NAME

PLOT DATE

VHB PROJECT NUMBER: 52402.00

New Auburn Village Center Redevelopment - Phase 1

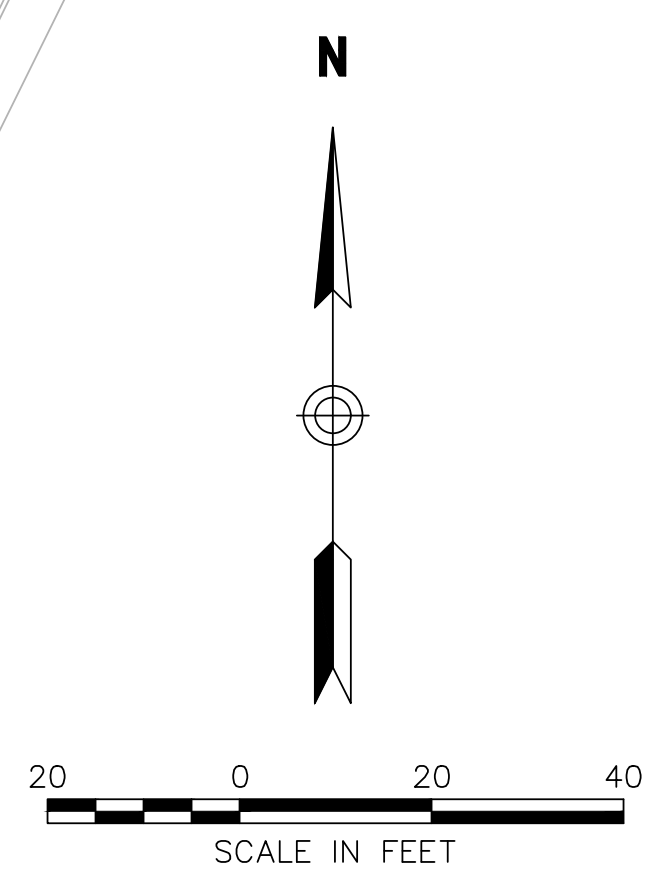
LAYOUT & GRADING PLAN

SHEET NUMBER

13

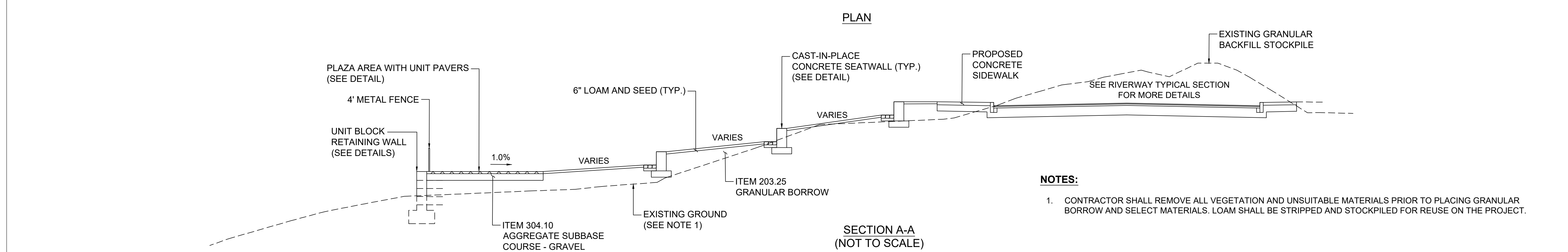
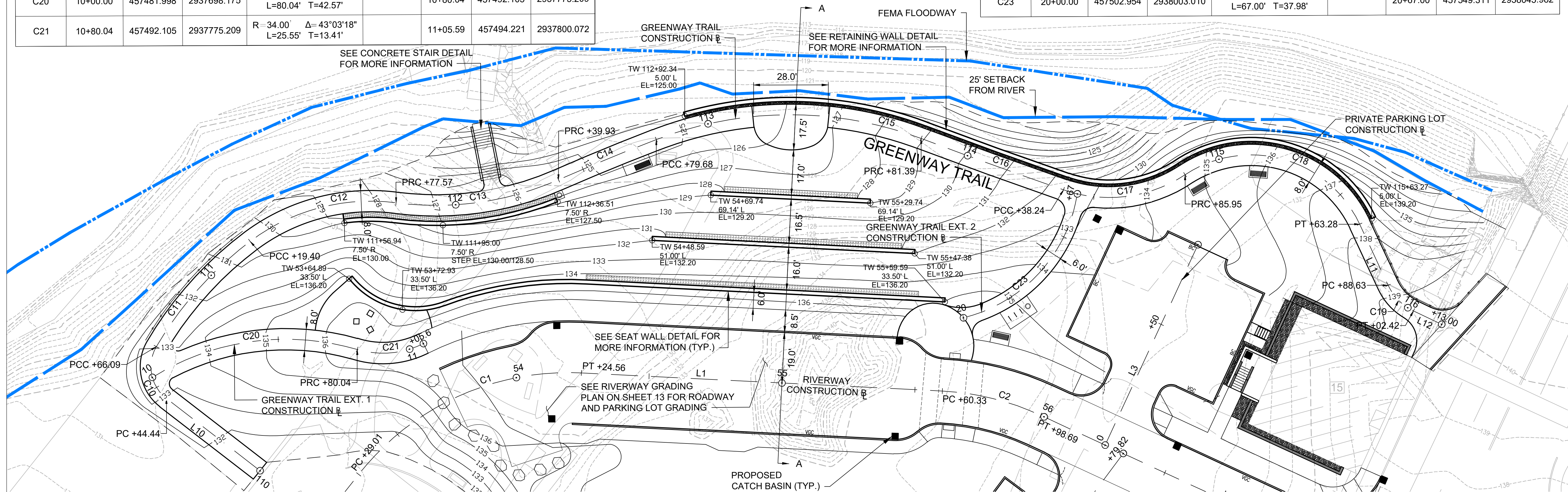
OF 19

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South Portland, Maine 04106



GREENWAY EXT 1 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C20	10+00.00	457481.998	2937698.175	R=95.00' Δ=48°16'25" L=80.04' T=42.57'		10+80.04	457492.105	2937775.209
C21	10+80.04	457492.105	2937775.209	R=34.00' Δ=43°03'18" L=25.55' T=13.41'		11+05.59	457494.221	2937800.072

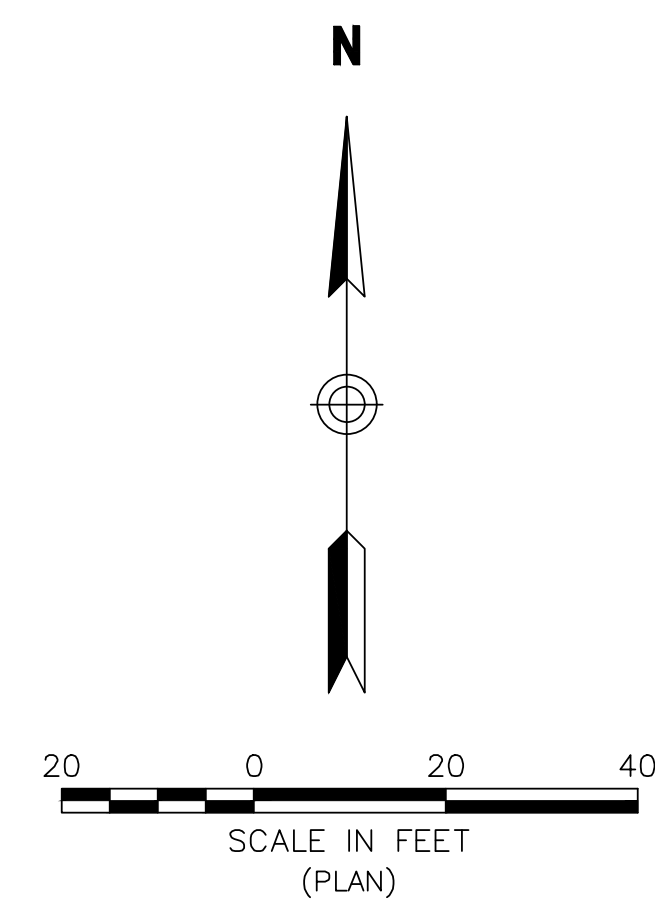
GREENWAY EXT 2 CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C23	20+00.00	457502.954	2938003.010	R=57.00' Δ=67°20'59" L=67.00' T=37.98'		20+67.00	457549.311	2938045.982



- NOTES:**
- CONTRACTOR SHALL REMOVE ALL VEGETATION AND UNSUITABLE MATERIALS PRIOR TO PLACING GRANULAR BORROW AND SELECT MATERIALS. LOAM SHALL BE STRIPPED AND STOCKPILED FOR REUSE ON THE PROJECT.

GREENWAY TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L10	110+00.00	457446.753	2937738.475		N52° 03' 05"W 44.44'	110+44.44	457474.081	2937703.432
C10	110+44.44	457474.081	2937703.432	R=15.00' Δ=82°41'49" L=21.65' T=13.20'		110+66.09	457493.555	2937699.751
C11	110+66.09	457493.555	2937699.751	R=135.00' Δ=22°37'29" L=53.31' T=27.01'		111+19.40	457532.940	2937735.162
C12	111+19.40	457532.940	2937735.162	R=75.00' Δ=44°26'38" L=58.18' T=30.64'		111+77.57	457547.152	2937790.082
C13	111+77.57	457547.152	2937790.082	R=115.00' Δ=31°04'09" L=62.36' T=31.97'		112+39.93	457555.533	2937851.108
C14	112+39.93	457555.533	2937851.108	R=885.00' Δ=2°34'23" L=39.74' T=19.88'		112+79.68	457570.464	2937887.937
C15	112+79.68	457570.464	2937887.937	R=140.00' Δ=41°37'28" L=101.71' T=53.22'		113+81.39	457570.411	2937987.423

GREENWAY TRAIL CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
C16	113+81.39	457570.411	2937987.423	R=2300.00' Δ=1°24'59" L=56.86' T=28.43'		114+38.24	457550.840	2938040.803
C17	114+38.24	457550.840	2938040.803	R=52.00' Δ=52°33'46" L=47.70' T=25.68'		114+85.95	457556.337	2938086.523
C18	114+85.95	457556.337	2938086.523	R=45.00' Δ=98°28'03" L=77.34' T=52.20'		115+63.28	457537.437	2938152.014
L11	115+63.28	457537.437	2938152.014		N24° 40' 08"W 25.34'	115+88.63	457514.405	2938162.593
C19	115+88.63	457514.405	2938162.593	R=20.00' Δ=39°31'14" L=13.80' T=7.18'		116+02.42	457504.748	2938172.059
L12	116+02.42	457504.748	2938172.059		S64° 11' 22"E 11.75'	116+14.17	457499.633	2938182.635

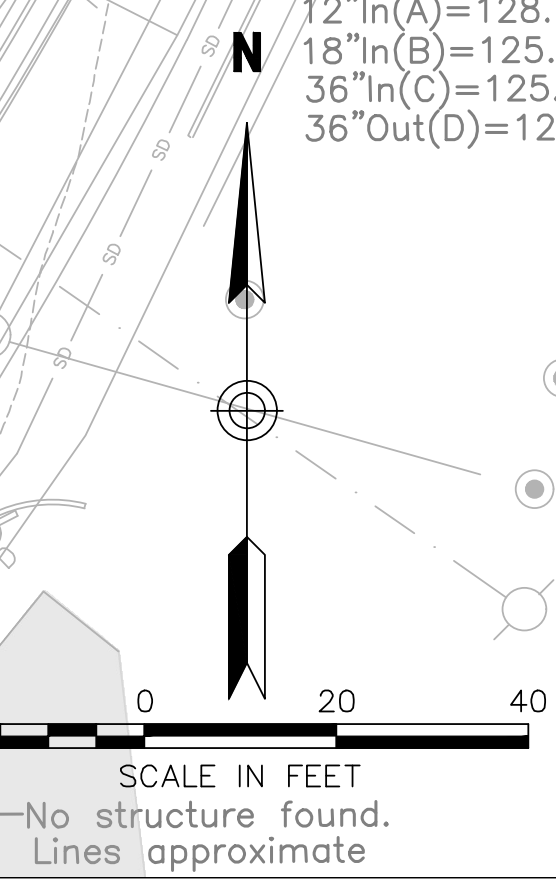
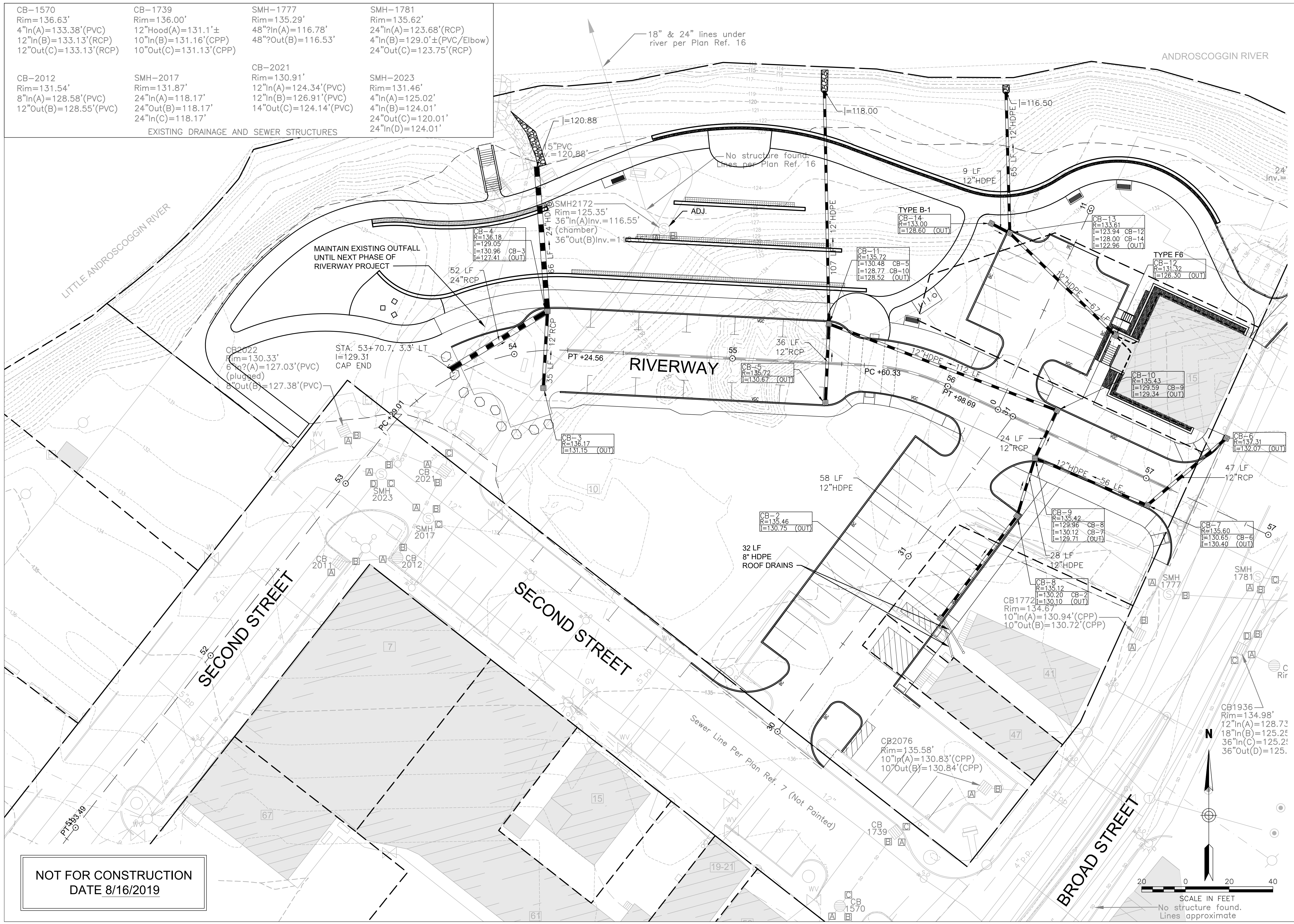


DATE	
REVISIONS	
INFORMATION	G. BAKOS
	K. HUBEREAU
PROJECT MANAGER	52402.00_GRADE - Phase 1
	8/18/2019
DESIGNED BY	
FILE NAME	
PLOT DATE	
VHB PROJECT NUMBER: 52402.00	
New Auburn Village Center Redevelopment - Phase 1	
LAYOUT & GRADING PLAN	
SHEET NUMBER	
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OF 19	



CB-1570 Rim=136.63' 4"ln(A)=133.38'(PVC) 12"ln(B)=133.13'(RCP) 12"Out(C)=133.13'(RCP)	CB-1739 Rim=136.00' 12"Hood(A)=131.1'± 10"ln(B)=131.16'(CPP) 10"Out(C)=131.13'(CPP)	SMH-1777 Rim=135.29' 48"ln(A)=116.78' 48"Out(B)=116.53'	SMH-1781 Rim=135.62' 24"ln(A)=123.68'(RCP) 4"ln(B)=129.0'±(PVC/Elbow) 24"Out(C)=123.75'(RCP)
CB-2012 Rim=131.54' 8"ln(A)=128.58'(PVC) 12"Out(B)=128.55'(PVC)	SMH-2017 Rim=131.87' 24"ln(A)=118.17' 24"Out(B)=118.17' 24"ln(C)=118.17'	CB-2021 Rim=130.91' 12"ln(A)=124.34'(PVC) 12"ln(B)=126.91'(PVC) 14"Out(C)=124.14'(PVC)	SMH-2023 Rim=131.46' 4"ln(A)=125.02' 4"ln(B)=124.01' 24"Out(C)=120.01' 24"ln(D)=124.01'

EXISTING DRAINAGE AND SEWER STRUCTURES



NOT FOR CONSTRUCTION
DATE 8/16/2019

VHB PROJECT NUMBER: 52402.00	INFORMATION	PROJECT MANAGER	G. BAKOS
	DESIGNED BY	K. HUBERDEAU	52402.00_L11 - Phase 1
New Auburn Village Center Redevelopment - Phase 1	FILE NAME	52402.00_L11 - Phase 1	8/16/2019
	PLOT DATE		
DRAINAGE PLAN	REVISIONS	DATE	
	SHEET NUMBER	15	OF 19

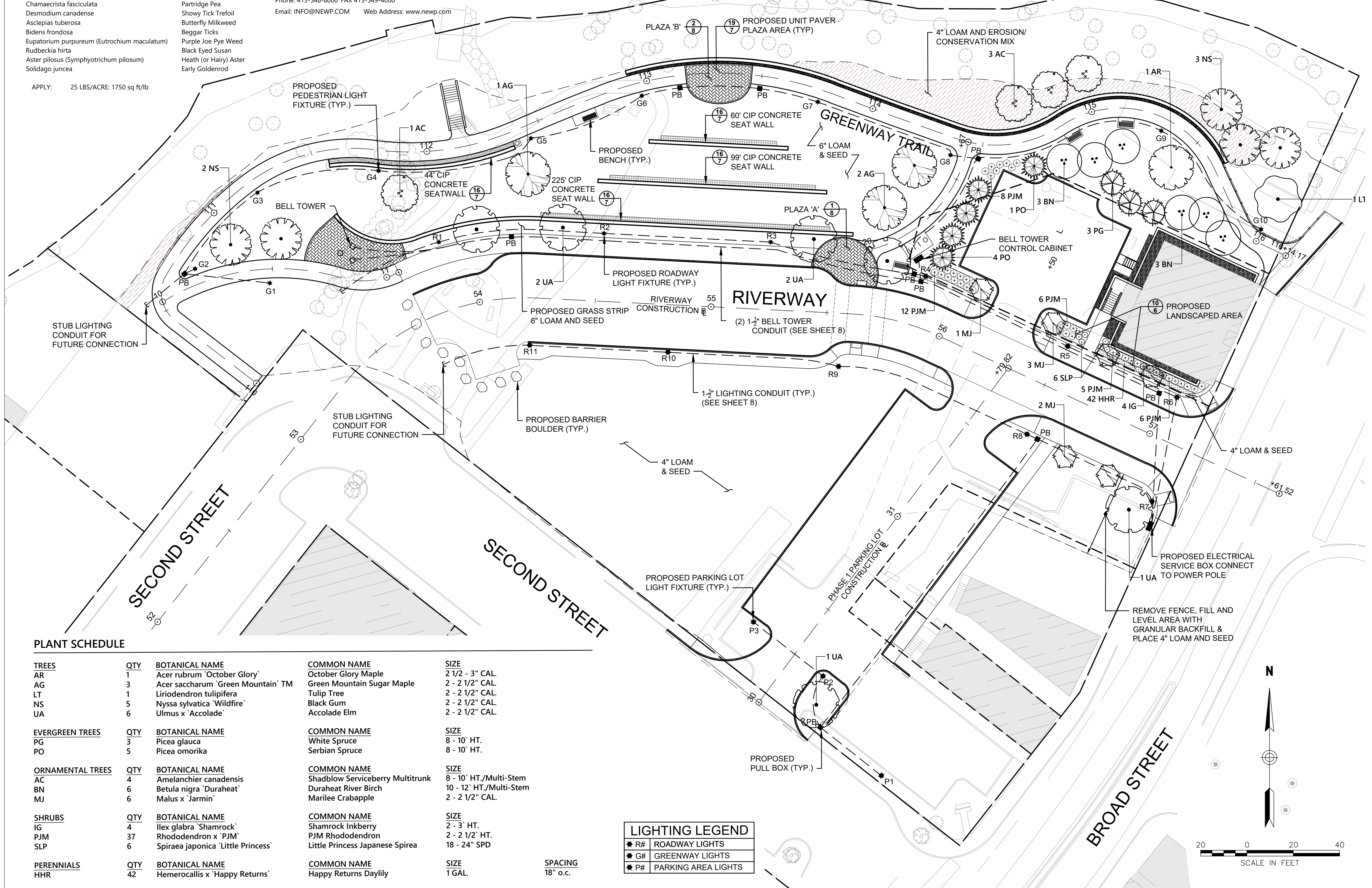


New England Conservation/Wildlife Mix	
Botanical Name	Common Name
Elymus virginicus	Virginia Wild Rye
Schizachyrium scoparium	Little Bluestem
Andropogon gerardii	Big Bluestem
Festuca rubra	Red Fescue
Sorghastrum nutans	Indian Grass
Panicum virgatum	Switch Grass
Chamaecrista fasciculata	Partridge Pea
Desmodium canadense	Showy Tick Trefoil
Asclepias tuberosa	Butterfly Milkweed
Bidens frondosa	Beggar Ticks
Eupatorium purpureum (Eutrochium maculatum)	Purple Joe Pye Weed
Rudbeckia hirta	Black Eyed Susan
Aster pilosus (Symphyotrichum pilosum)	Heath (or Hairy) Aster
Solidago juncea	Early Goldenrod

The New England Conservation/Wildlife Mix shall provide a permanent cover of grasses, wildflowers, and legumes, suitable for both good erosion control and wildlife habitat value. The mix shall be designed to be a no maintenance seeding, and to be appropriate for cut and fill slopes, detention basin side slopes, and disturbed areas. Mix shall be as supplied by the following, or approved equal:

New England Wetland Plants, Inc
820 West Street, Amherst, MA 01002
Phone: 413-548-8000 FAX 413-549-4000
Email: INFO@NEWP.COM Web Address: www.newp.com

APPLY: 25 LBS/ACRE: 1750 sq ft/lb



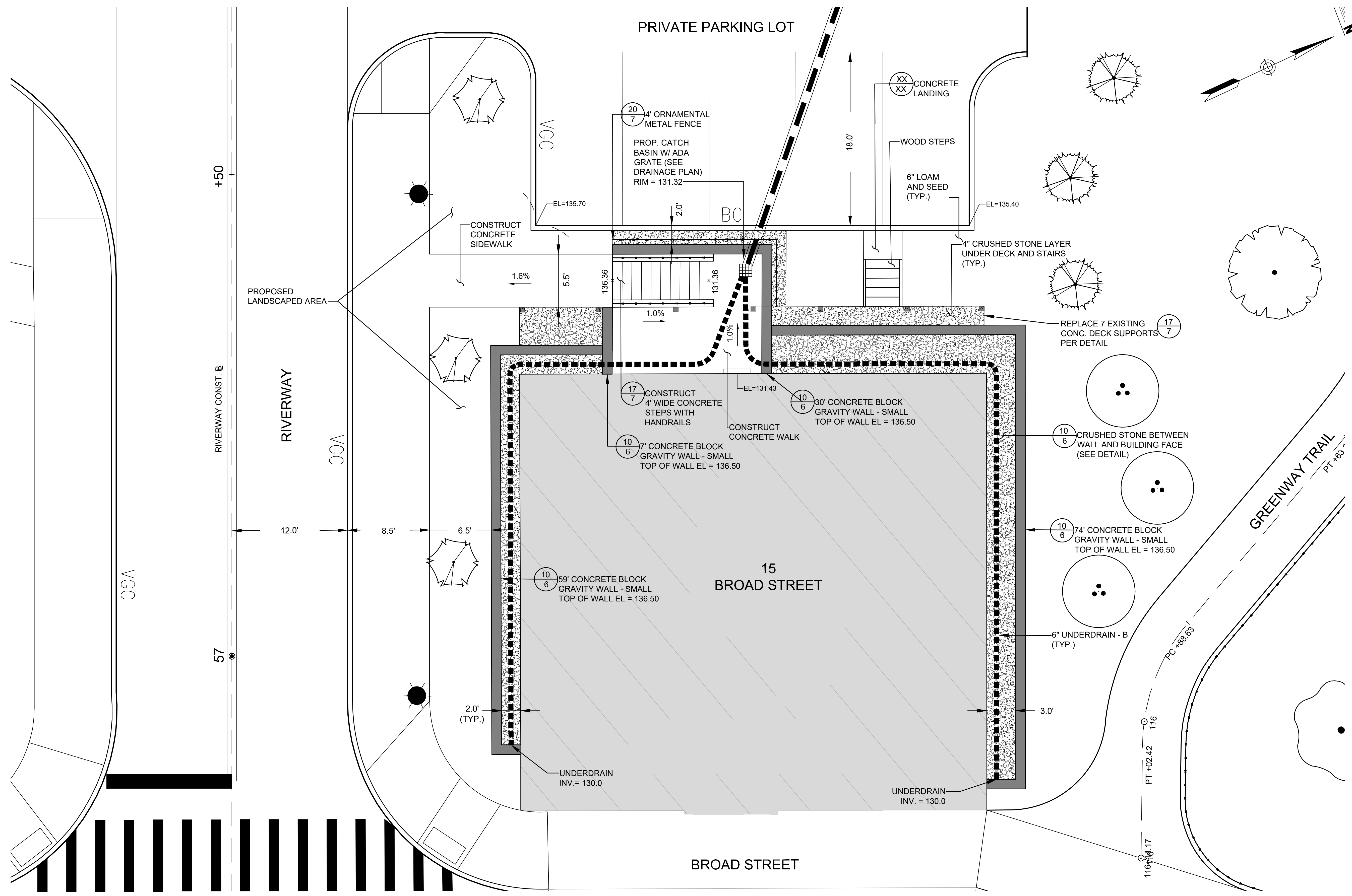
PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE
AR	1	Acer rubrum 'October Glory'	October Glory Maple	2 1/2 - 3" CAL.
AG	3	Acer saccharum 'Green Mountain' TM	Green Mountain Sugar Maple	2 - 2 1/2" CAL.
LT	1	Liriodendron tulipifera	Tulip Tree	2 - 2 1/2" CAL.
NS	5	Nyssa sylvatica 'Wildfire'	Black Gum	2 - 2 1/2" CAL.
UA	6	Ulmus x 'Accolade'	Accolade Elm	2 - 2 1/2" CAL.
EVERGREEN TREES				
PG	3	Picea glauca	White Spruce	8 - 10' HT.
PO	5	Picea omorika	Serbian Spruce	8 - 10' HT.
ORNAMENTAL TREES				
AC	4	Amelanchier canadensis	Shadblow Serviceberry Multitrunk	8 - 10' HT./Multi-Stem
BN	6	Betula nigra 'Duraheat'	Duraheat River Birch	10 - 12' HT./Multi-Stem
MJ	6	Malus x 'Jarmin'	Marilee Crabapple	2 - 2 1/2" CAL.
SHRUBS				
IG	4	Ilex glabra 'Shamrock'	Shamrock Inkberry	2 - 3' HT.
PJM	37	Rhododendron x 'PJM'	PJM Rhododendron	2 - 2 1/2' HT.
SLP	6	Spiraea japonica 'Little Princess'	Little Princess Japanese Spirea	18 - 24" SPD
PERENNIALS				
HHR	42	Hemerocallis x 'Happy Returns'	Happy Returns Daylily	1 GAL.

SPACING
18" o.c.

LIGHTING LEGEND	
R#	ROADWAY LIGHTS
G#	GREENWAY LIGHTS
P#	PARKING AREA LIGHTS

 500 Southborough Drive, Suite 105B South Portland, Maine 04106	DATE	
	REVISIONS	
INFORMATION G. BAKOS K. HUBEREAU 52402.00.FEAT - Phase 1 8/16/2019	PROJECT	
	PROJECT MANAGER	
	DESIGNED BY	
	FILE NAME	
	PLANT DATE	
VHB PROJECT NUMBER: 52402.00 New Auburn Village Center Redevelopment - Phase 1 LANDSCAPING & LIGHTING PLAN		SHEET NUMBER
		16
		OF 19



NOTE:
 1. RETAINING WALL TO BE DESIGNED BY MANUFACTURER.

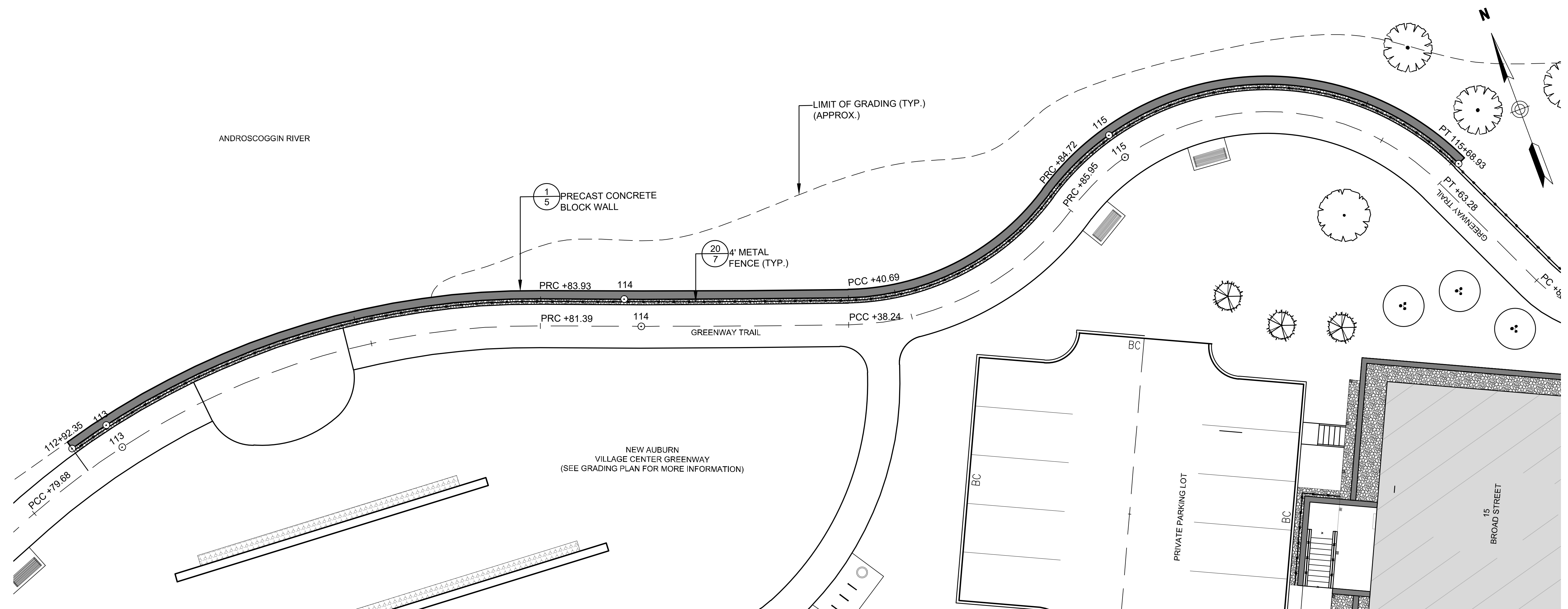


REVISIONS		DATE

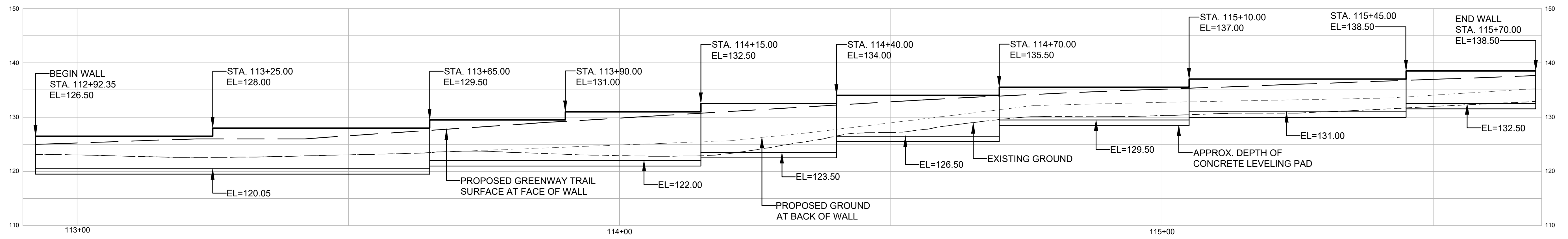
INFORMATION	
PROJECT MANAGER	G. BAKOS
DESIGNED BY	K. HUBERDEAU
FILE NAME	52402.00_WALL - Phase 1
PLOT DATE	8/16/2019

VHB PROJECT NUMBER: 52402.00	New Auburn Village Center Redevelopment - Phase 1
SHEET NUMBER	
17	15 BROAD STREET PLAN
OF 19	



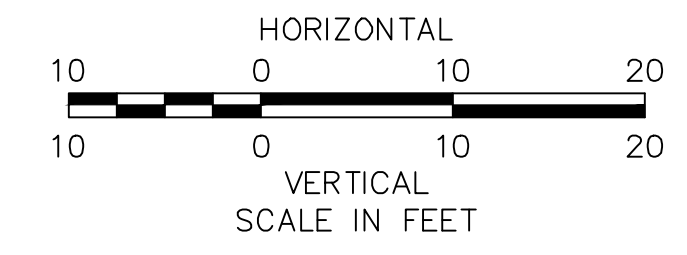


GREENWAY TRAIL PRECAST CONCRETE BLOCK WALL PLAN



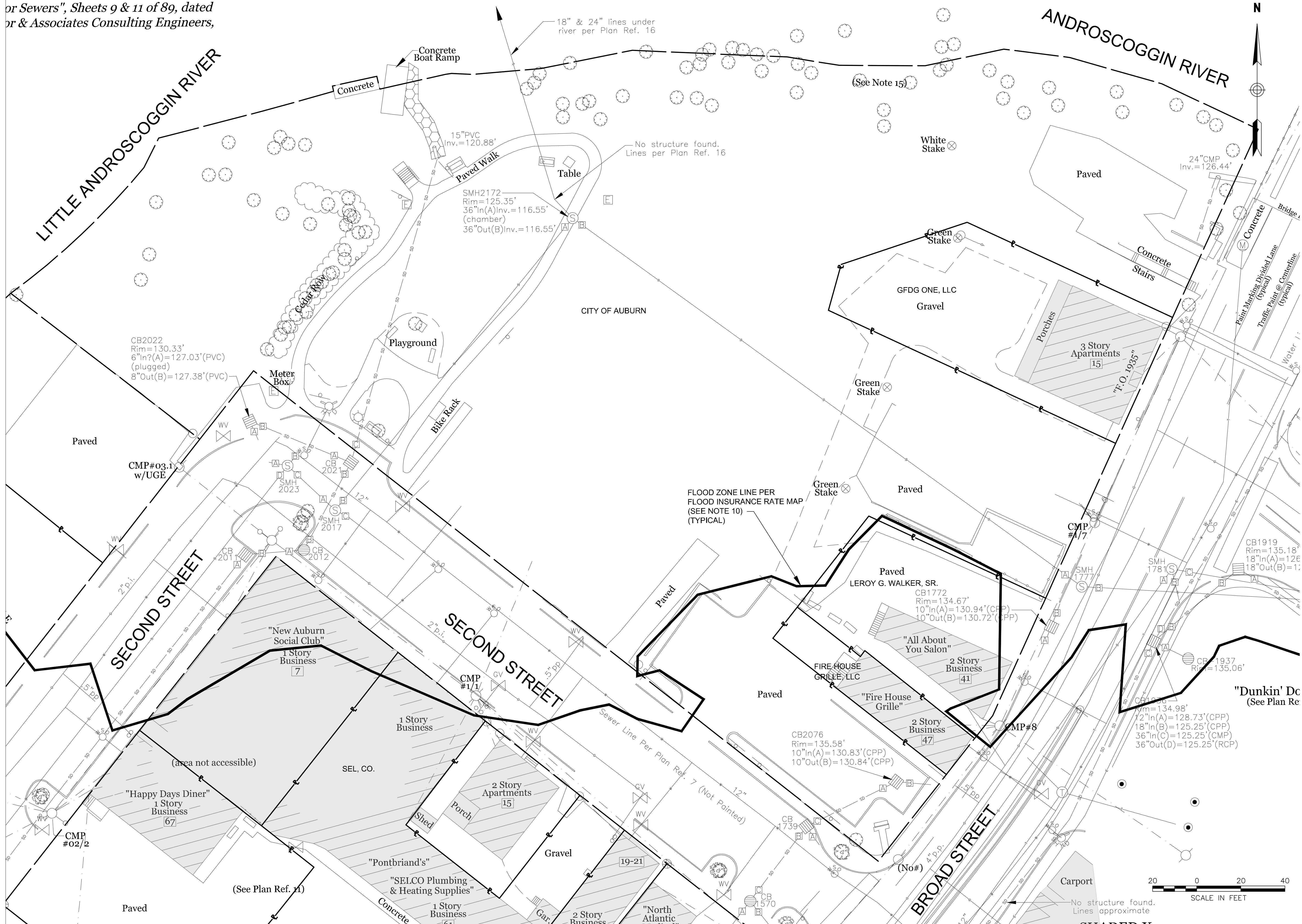
GREENWAY TRAIL PRECAST CONCRETE BLOCK WALL ELEVATION

- NOTES:**
- SEE STANDARD SPECIFICATION SECTION 672 AND SPECIAL PROVISIONS.
 - PLAN AND PROFILE ARE FOR INFORMATION PURPOSES. WALL SHALL BE DESIGNED BY CONTRACTOR/SUPPLIER.



DATE	
REVISIONS	
INFORMATION	PROJECT MANAGER: G. BAKOS
	DESIGNED BY: K. HUBERDEAU
PROJECT	FILE NAME: 52402.00_WALL - Phase 1
	PLOT DATE: 8/16/2019
<p>VHB PROJECT NUMBER: 52402.00</p> <p>New Auburn Village Center Redevelopment - Phase 1</p> <p>RETAINING WALL PLAN</p>	
SHEET NUMBER	
18	
OF 19	





REVISIONS	DATE

Information

PROJECT MANAGER	G. BAKOS
DESIGNED BY	K. HUBEREAU
FILE NAME	52402.00_EXST - Phase 1
PLOT DATE	8/16/2019

Project Information

PROJECT NUMBER: 52402.00

New Auburn Village Center
Redevelopment - Phase 1
EXISTING CONDITIONS PLAN

SHEET NUMBER
19
OF 19