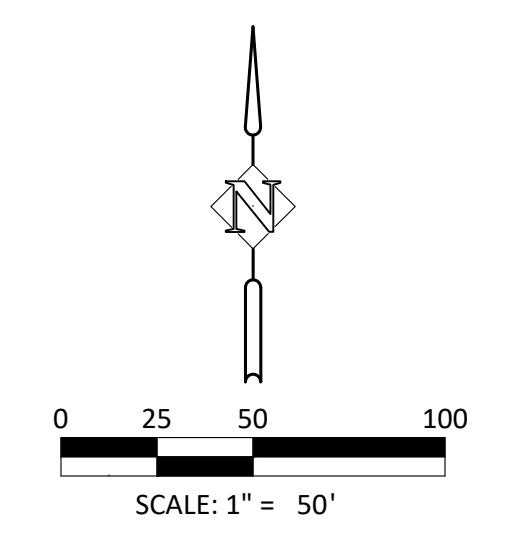


**EXISTING CONDITIONS**  
SCALE: 1" = 50'



**LEGEND:**

—	BOUNDARY LINE	⊗	SANITARY SEWER MANHOLE
- - -	RIGHT-OF-WAY LINE	⊠	WATER METER
—	CENTER LINE	⊙	WATER VALVE
- · - · -	EASEMENT LINE	⊕	IRRIGATION VALVE
—	EXISTING CONTOUR LINE	⊗	FIRE HYDRANT
—	SANITARY SEWER LINE	⊠	WATER BOX
—	WATER LINE		
—	FENCE LINE, TYPE AS NOTED		
—	ELECTRIC LINE		
*	TREE (APPROXIMATE DIAMETER BREST HIGH AS NOTED ON SHEET P1.2)	⊠	POWER VAULT
+	SINGLE POST SIGN	⊠	POWER RISER/CABINET/TRANSFORMER
⊠	GATE POST		
⊠	TELEPHONE RISER		
⊠	ELECTRIC BOX		
⊠	STREET LIGHT BOX		
⊠	LIGHT POLE		

EXISTING CITY MAINS/EASEMENTS FOR WATER AND SEWER SHALL BE RELOCATED WITHIN NEW EASEMENTS OR RIGHT OF WAYS AS AGREED UPON BY THE CITY, TYP.

EXISTING CONDITIONS  
**MASTER PLAN**  
SISTERS, OREGON

**Harper Houff Peterson**  
**Righellis Inc.**  
ENGINEERS & PLANNERS  
LANDSCAPE ARCHITECTS & SURVEYORS  
www.hhpri.com Phone: 541.818.1100 Fax: 541.818.1141



DESIGNED:	HHPR TEAM	AG	NS	DATE	6/30/2021
DRAWN:					
CHECKED:					
DATE	NO.	DESCRIPTION	R E V I S I O N S		
SHEET NO. <b>P1.1</b>					
JOB NO. PXI-01					

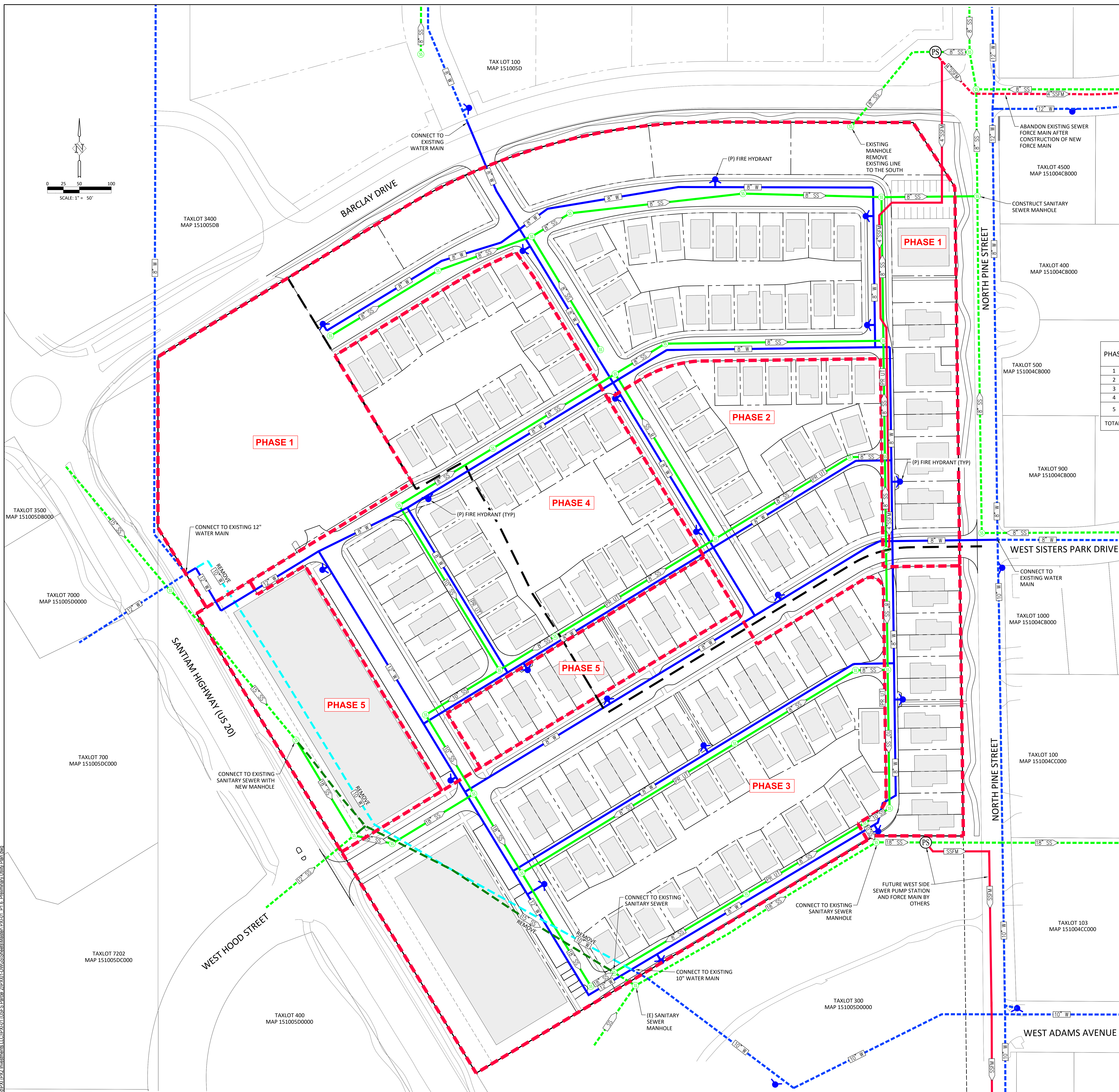
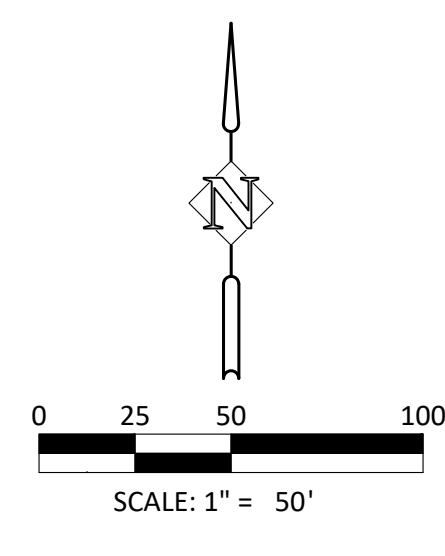
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**EDU'S BY PHASE**

PHASE	UNITS							EDU'S	
	C	A	TH	ADU	CH	NSBP (SF)	DC (SF)	OS (SF)	CUMULATIVE EDU'S
1	21	15 <sup>3</sup>	11 <sup>4</sup>	8	30	80,150		99,428	74.2
2	16		18	18					44.8
3	26	56	18	18					99.6
4	38		8	8					50.8
5		56	13	13			22,000		70.0
<b>TOTALS</b>	<b>101</b>	<b>127</b>	<b>68</b>	<b>65</b>	<b>30</b>	<b>80,150</b>	<b>22,000</b>	<b>99,428</b>	<b>339.4</b>

- LEGEND / CONVERSIONS TO EDU'S:**
- C = COTTAGES = 1 EDU
  - A = APARTMENTS = 0.8 EDU<sup>1</sup>
  - TH = TOWNHOMES = 0.8 EDU<sup>1</sup>
  - ADU = ACCESSORY DWELLING UNIT = 0.8 EDU<sup>1</sup>
  - IT IS ASSUMED EACH TOWNHOME HAS AN ADU
  - CH = CONGREGATE HOUSING = 0.4 EDU / ROOM<sup>2</sup>
  - NSBP = NORTH SISTERS BUSINESS PARK = 1 EDU / 20,000 SF
  - NSBP = ASSUME ADDITIONAL EDU'S FOR APARTMENTS PER NOTE BELOW
  - DC = DOWNTOWN COMMERCIAL = 1 EDU / 5,000 SF
  - OS = OPEN SPACE = 1 EDU / 10,000 SF
- NOTES:**
- THE 0.80 EDU REDUCTION FACTOR IS FOR MULTI-FAMILY DWELLINGS, AND FOR REFERENCE IS UTILIZED BY THE CITY OF BEND.
  - THE 0.40 EDU REDUCTION FACTOR IS FOR HOTEL AND DORMITORY TYPE FACILITIES CALCULATED ON A PER ROOM BASIS AND FOR REFERENCE IS UTILIZED BY THE CITY OF BEND. ASSUME 60 BEDS AND 2 BEDS PER ROOM = 30 ROOMS.
  - ASSUME 3 APARTMENT UNITS PER NSBP LOT IN ADDITION TO INDUSTRIAL EDU'S.
  - INCLUDES THE 3-UNIT TRIPLEX BUILDING ON LOT 109 AS 3 UNITS.
  - 127 EDU'S TRIBUTARY TO EXISTING PUMP STATION #2 IS EXCEEDED WITH PHASE 4. PHASE 3 EXCEEDS 127 TOTAL EDU'S, BUT PHASE 3 IS TRIBUTARY TO THE SOUTH AND NOT PUMP STATION #2.

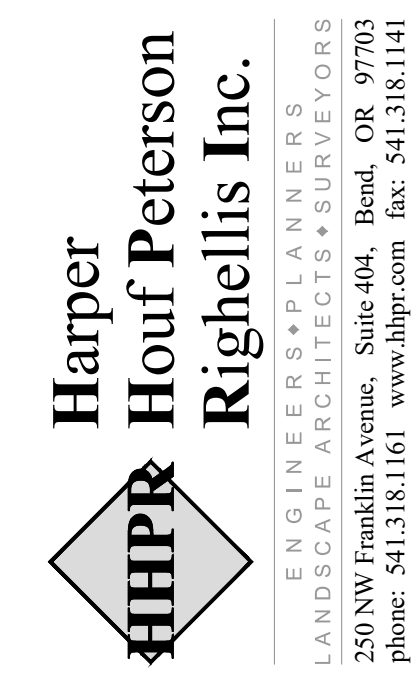
**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
---	---	PROJECT BOUNDARY
---	---	EASEMENT LINE
---	---	GRAVITY SANITARY SEWER
---	---	WATER MAIN AND FIRE HYDRANT
---	---	FORCE MAIN SANITARY SEWER
---	---	SEWER BASIN DELINEATION
---	---	WATER MAIN TO BE RELOCATED
---	---	SANITARY SEWER MAIN TO BE RELOCATED
---	---	FRANCHISE UTILITY TRENCH
---	---	PRIVATE FRANCHISE UTILITY TRENCH

UTILITY LOCATIONS ARE SCHEMATIC AND SUBJECT TO CHANGE DURING ENGINEERING.

INDIVIDUAL LOT SERVICES WILL BE DETERMINED ON CONSTRUCTION PLANS.

PRELIMINARY UTILITY PLAN  
**MASTER PLAN**  
SISTERS, OREGON

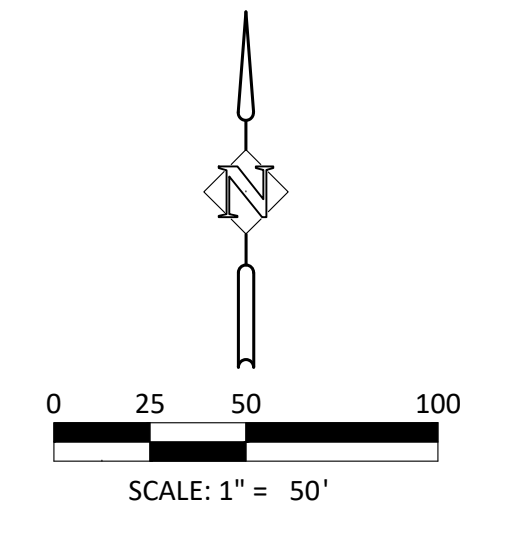


DESIGNED:	HHPR TEAM	AG	NS	DATE	6/30/2021
DRAWN:					
CHECKED:					
DATE:					
R E V I S I O N S					
SHEET NO.:	<b>P1.6</b>				
JOB NO.:	PXI-01				

P:\03\_Brand\PXI\02\_Installments\_LLC\PXI-01\_USSES\_Paved\_ZIP\01\_EWSS\Sheet\Master\PXI-01\_P1\_6\_Preliminary Utility Plan.dwg

**PRELIMINARY UTILITY PLAN**  
SCALE: 1" = 50'

P:\03-Block\PL\02-Investments\LLC\PL\01\_USFS\_Parcels\_ZIP\01\_LANDSCAPE\_SitePlan\PL\01\_P1\_T\_Preliminary Grading & Drainage Plan.dwg

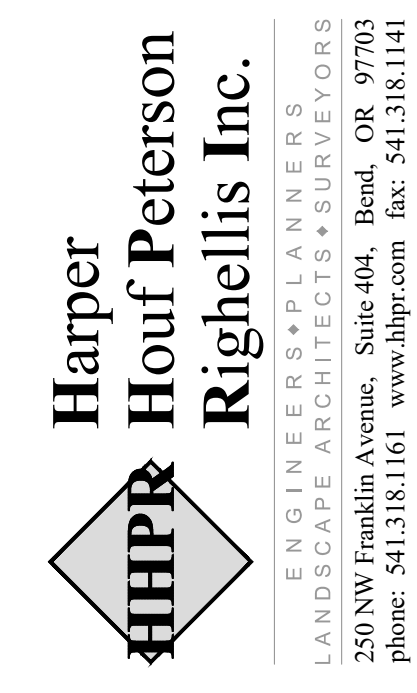


NOTE:  
PROPOSED ROCK DRAINAGE SWALE  
DIMENSIONS ARE REFLECTED ON THE TYPICAL  
SECTIONS ON SHEET P1.10 AND P1.11

**GRADING NOTE:**  
INDIVIDUAL LOT GRADING AND  
DRAINAGE DETAILS WILL BE  
PROVIDED AT SITE PLAN  
SUBMITTAL FOR EACH LOT.

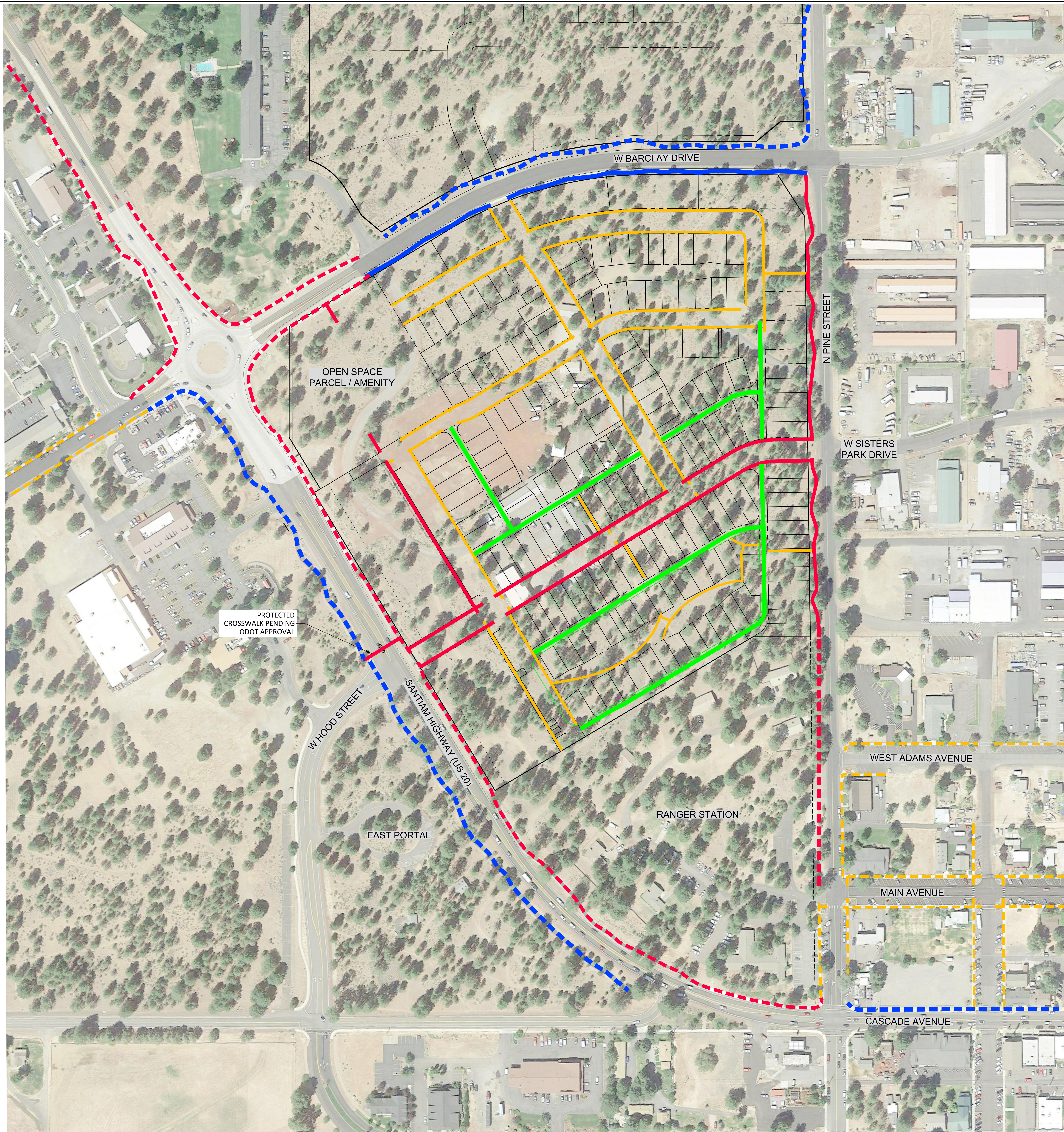
**PRELIMINARY GRADING AND DRAINAGE PLAN**  
SCALE: 1" = 50'

PRELIMINARY GRADING AND DRAINAGE PLAN  
**MASTER PLAN**  
SISTERS, OREGON



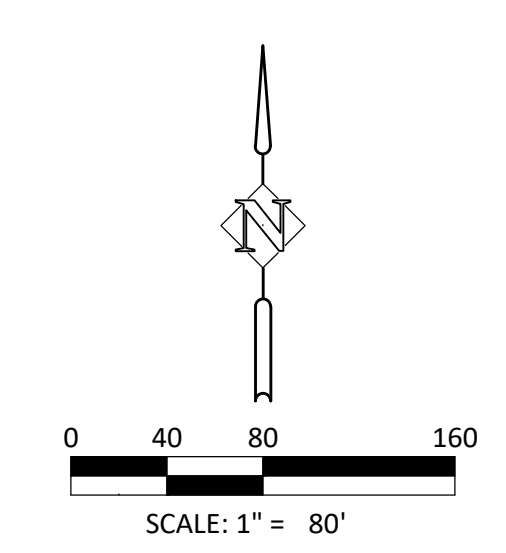
DESIGNED:	HHPR TEAM	AG	NS	DATE	6/30/2021
DRAWN:					
CHECKED:					
DATE					
R E V I S I O N S					
SHEET NO.	<b>P1.7</b>				
JOB NO.	PXI-01				





**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
		4' - 6' PATH (ASPHALT OR CONCRETE)
		8' MULTI-USE PATH (ASPHALT OR CONCRETE)
		10' MULTI-USE PATH (ASPHALT)
		SHARED VEHICLE / BICYCLE ROUTE



CONNECTIVITY PLAN  
**MASTER PLAN**  
 SISTERS, OREGON



DESIGNED	DRAWN	CHECKED	DATE
HHPR TEAM	AG	NS	7/1/2021

DATE	NO.	DESCRIPTION
		R E V I S I O N S

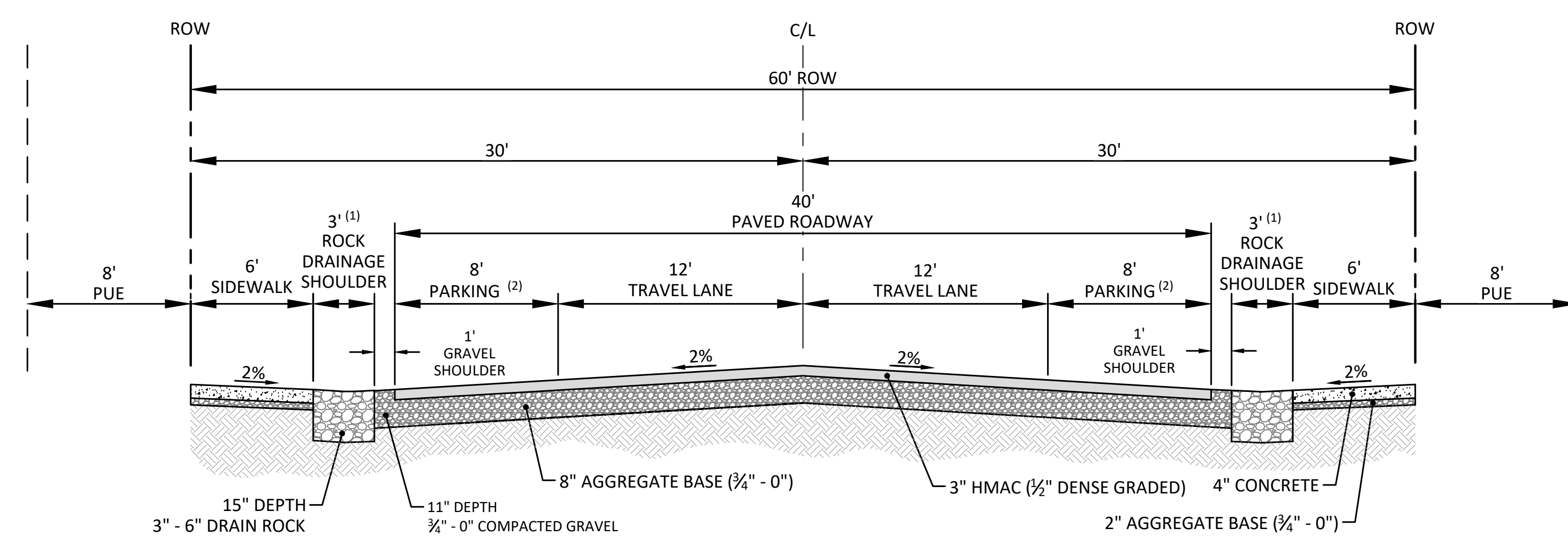
  

SHEET NO.	<b>P1.8</b>
JOB NO.	PXI-01

P:\03\_Santiam\PCI\PCI2\_Investments\A\_LCP\PCI01\_USFS\_Parcels\PCI01\_Landscape\Master\PCI01\_P1.8\_Connectivity Plan.dwg







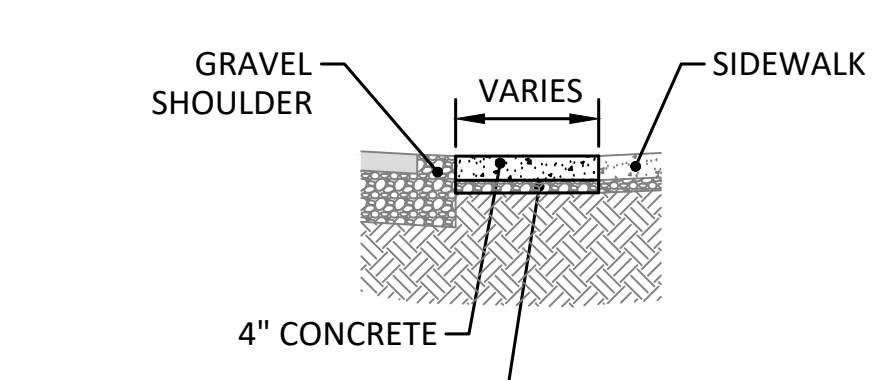
**(6) COMMERCIAL / INDUSTRIAL LOCAL STREET**

**STREET C**

N.T.S.

NOTES:

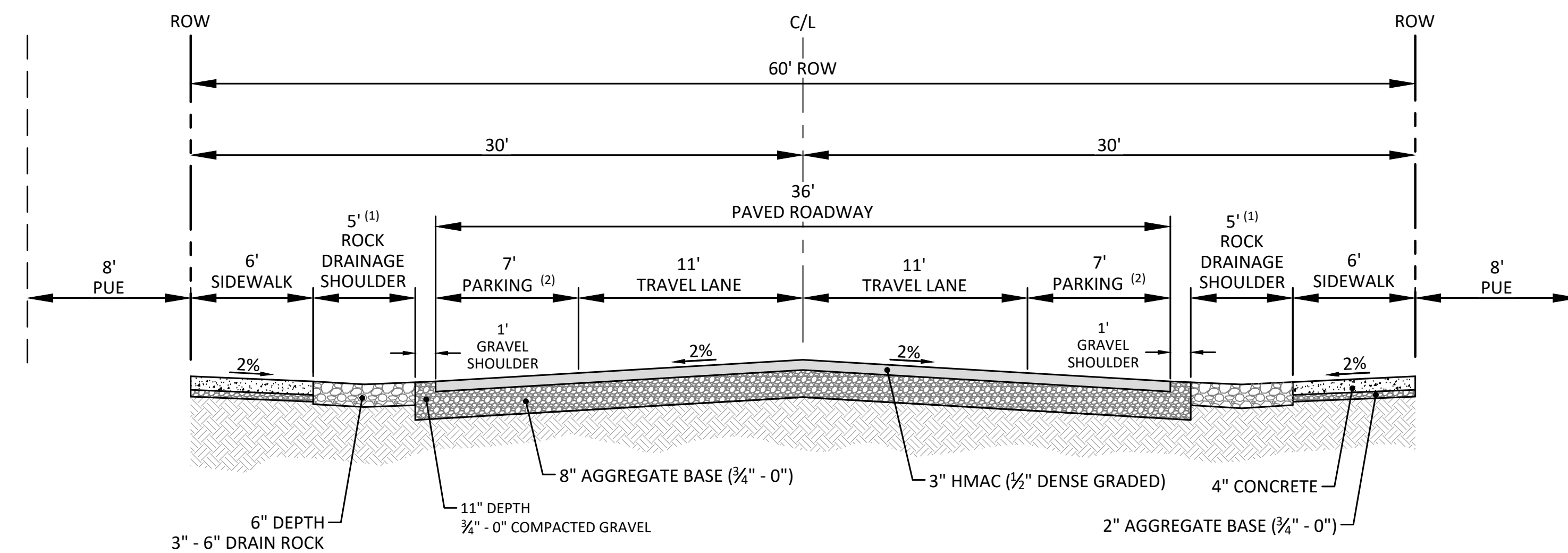
1. CONSTRUCT 4' WIDE CONNECTING WALK EVERY TWO PARKING STALLS PER DETAIL THIS SHEET. EXACT LOCATIONS TO BE DETERMINED ON ENGINEERING PLANS.
2. PARKING MAY REMOVED FOR LANDSCAPING / TREE PRESERVATION. EXACT LOCATIONS TO BE DETERMINED ON ENGINEERING PLANS.



**CONNECTION WALK DETAIL**

N.T.S.

PROVIDE 4' WIDE CONNECTING WALK APPROXIMATELY EVERY TWO PARKING STALLS. EXACT LOCATIONS TO BE DETERMINED ON ENGINEERING PLANS.



**(7) RESIDENTIAL LOCAL STREET WITH PARKING ON BOTH SIDES**

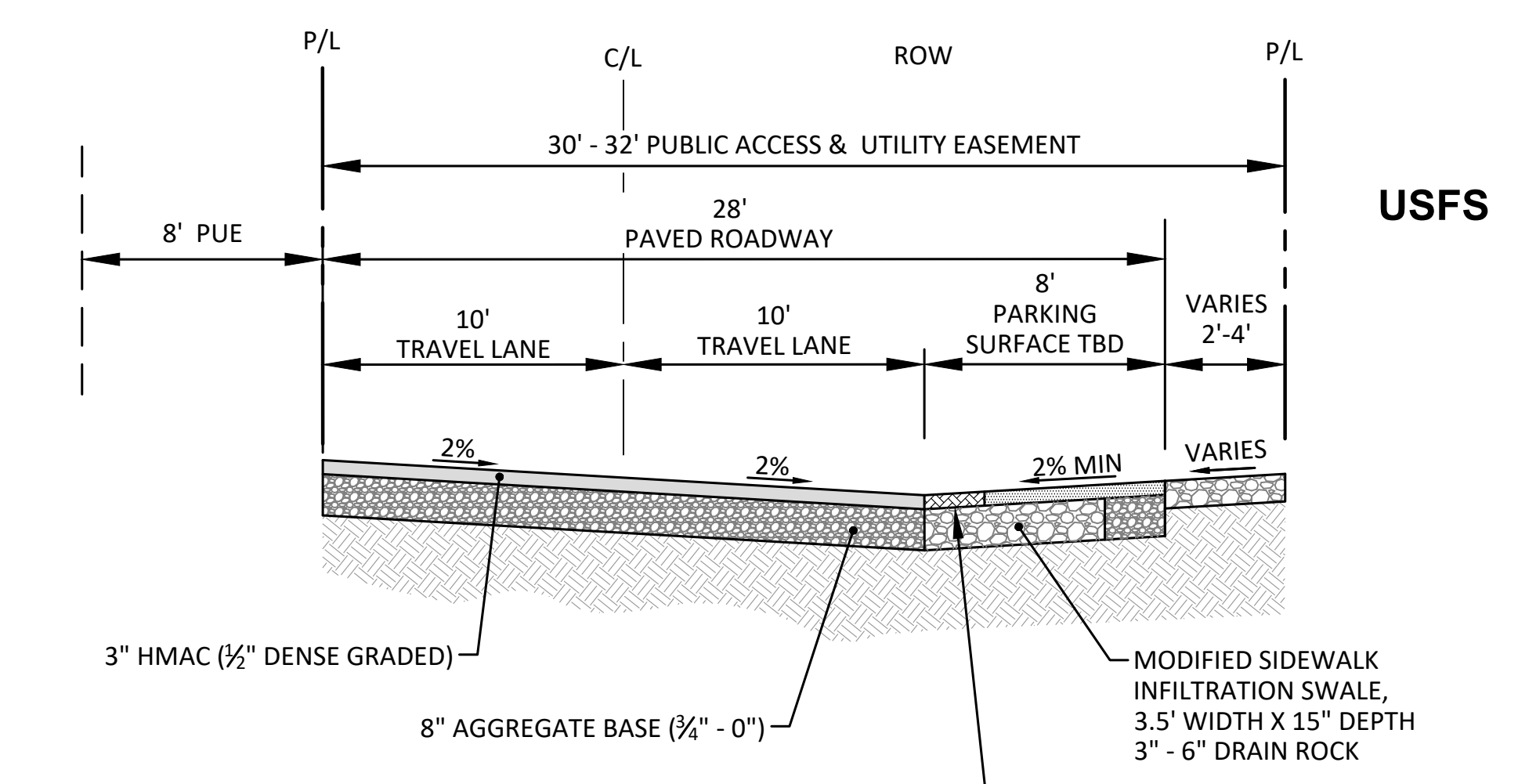
**STREET A**

N.T.S.

NOTES:

1. CONSTRUCT 4' WIDE CONNECTING WALK EVERY TWO PARKING STALLS PER DETAIL THIS SHEET. EXACT LOCATIONS TO BE DETERMINED ON ENGINEERING PLANS.
2. PARKING MAY REMOVED FOR LANDSCAPING / TREE PRESERVATION. EXACT LOCATIONS TO BE DETERMINED ON ENGINEERING PLANS.

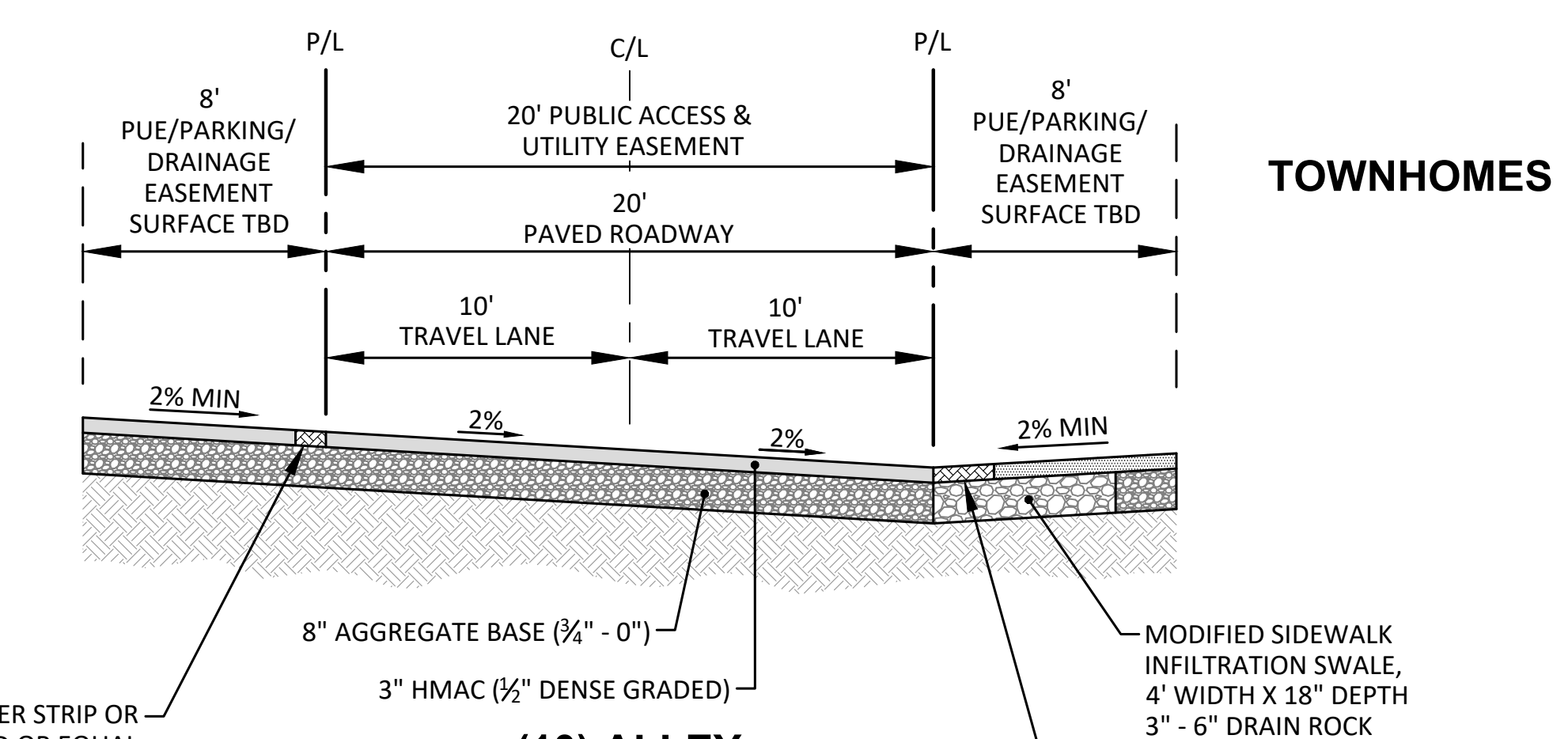
**COTTAGES**



**(9) ALLEY ALLEY 5**

N.T.S.

**COTTAGES**



**(10) ALLEY ALLEY 1 ALLEY 2 ALLEY 3 ALLEY 4**

N.T.S.

**(8) RESIDENTIAL LOCAL STREET WITH PARKING ON ONE SIDE**

**STREET D STREET F**

N.T.S.

NOTES:

1. CONSTRUCT 4' WIDE CONNECTING WALK EVERY TWO PARKING STALLS PER DETAIL THIS SHEET. EXACT LOCATIONS TO BE DETERMINED ON ENGINEERING PLANS.
2. PARKING MAY REMOVED FOR LANDSCAPING / TREE PRESERVATION. EXACT LOCATIONS TO BE DETERMINED ON ENGINEERING PLANS.
3. STREET D ADJACENT TO THE OPEN SPACE AMENITY / LOT 76 IS A 40' ROW WITH A 20' TRAVEL WAY AND NO PARKING.

DESIGNED:	HHPR TEAM	AG	NS
DRAWN:		AG	NS
CHECKED:		AG	NS
DATE:		6/30/2021	
R E V I S I O N S			
NO.	DESCRIPTION		
SHEET NO.			
<b>P1.11</b>			
JOB NO. PXI-01			