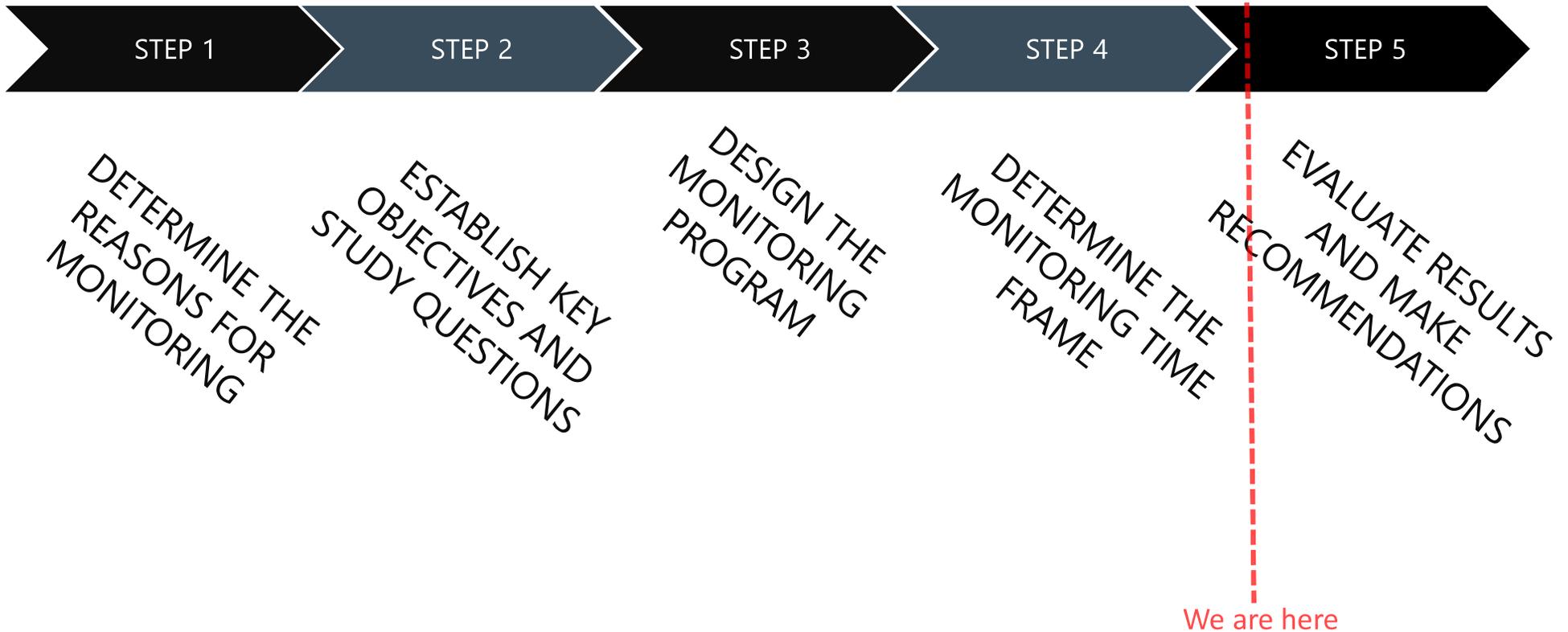




SHORELINE TRACKING

MONITORING AND ADAPTIVE MANAGEMENT

MONITORING AND ADAPTIVE MANAGEMENT

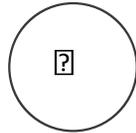


REASONS FOR MONITORING

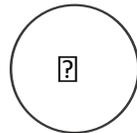


STEP ONE

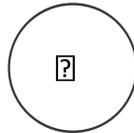
UPDATED SHORELINE MASTER PROGRAM
AUGUST 2010



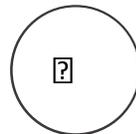
NO NET LOSS OF ECOLOGICAL FUNCTION



DEVELOP USEABLE DATA TO TRACK
SUCCESSSES AND/OR FAILURES



DEPARTMENT OF ECOLOGY PERIODIC REVIEW
WAC REQUIREMENTS



ESTABLISH KEY OBJECTIVES AND STUDY QUESTIONS

STEP TWO



DATA COLLECTION

What are all the values, figures, and other possible data the City may want to collect?

GOALS

What are the short term and long term goals the SMP codes are intended to achieve?

PURPOSE & INTENT ADMINISTRATION

Do the figures being collected capture the required information to show whether or not the City is maintaining ecological function and following the purpose and intent of the SMP?

Can code administrators apply the code and collect the data without being unnecessarily burdened?

BUILD CONSENSUS

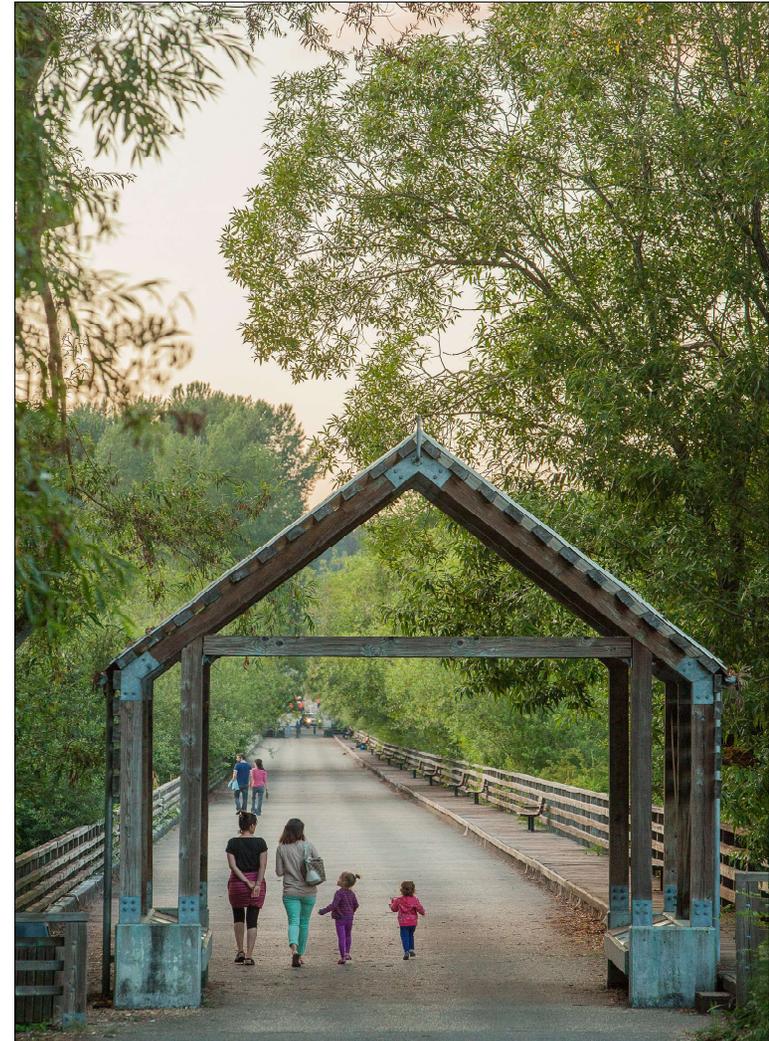
Will the data be useful in future discussions with citizens, council, or commission members?

DESIGN THE MONITORING PROGRAM

STEP THREE



- Spreadsheet Tracking: Excel
 - Simple
 - Effective
 - Accessible
 - Short Term data collection
 - Easily Modified
- Permit Tracking Software Development (EnerGov)
 - Developed reviews and holds for specific project types
 - Long Term data collection
 - Reporting capabilities
 - Fee, security, inspection, and plan tracking



DETERMINE THE MONITORING TIME FRAME

STEP FOUR



- Programmatic – Ongoing
- Interim internal check-ins
- Eight year review – Reporting



EVALUATE RESULTS & MAKE RECOMMENDATIONS

STEP FIVE



- Interim check-in points
 - What have we found?
- Final 8 year results (next year)
 - Work Program
 - Long Range and Current Planning coordination
- Recommendations
 - Review Code Administration
 - Update Tracking as



INWATER

- Approximately half an acre of solid decking removed.
- 50 piles removed
- Over 6000 SF of inwater enhancement established

IN THE RIPARIAN AREA

- 230 feet of bulkhead removed, replaced with soft shorelines
- 10,300 SF of structures removed from shoreline setback
- 149 Native Trees Planted
- Over half an acre of native vegetation planted

ADMINISTRATIVE RECOMMENDATIONS

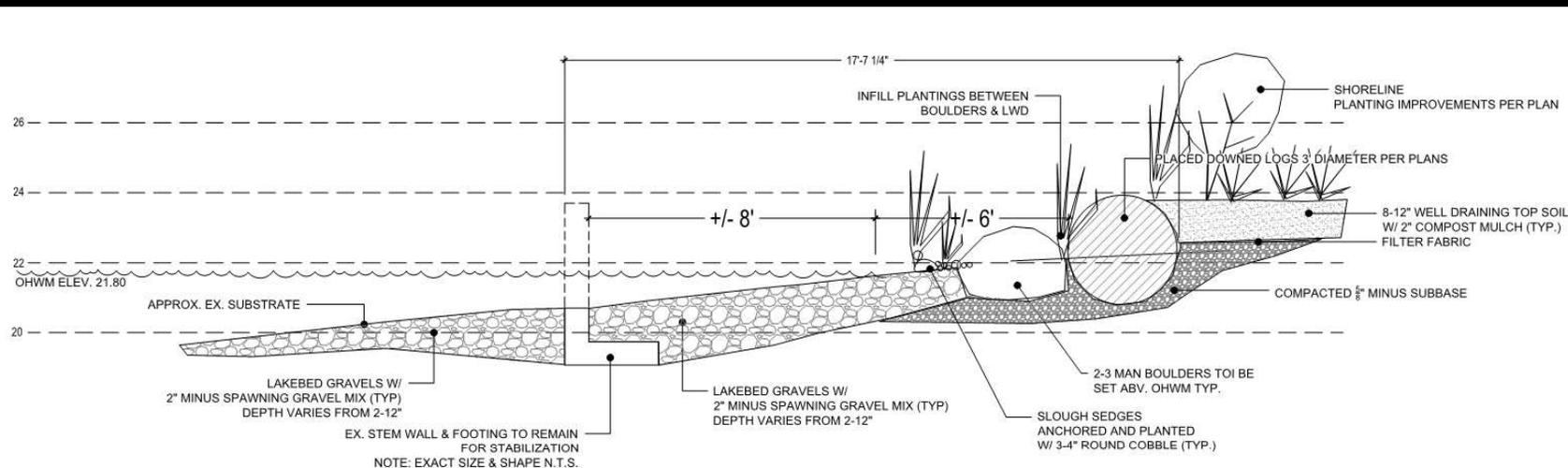
INTERNAL STAFF REVIEW



Are we achieving the key objectives and study questions?

Have we installed any roadblocks to educating the public on the benefits of a healthy shoreline?

What internal steps are working or could be improved in order to maximize compliance with the purpose and intent of the SMP and SMA?



Are our permit processes helping or hindering the recording of this data?

Are there any ways to incentivize additional shoreline enhancements?

Are there any roadblocks for homeowners to propose voluntary shoreline enhancement plans?



QUESTIONS?

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