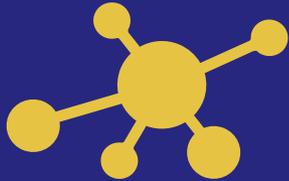


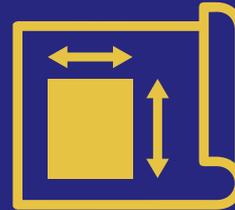


**Ferndale High School
Design Advisory Committee –
Meeting #8
January 21, 2020**

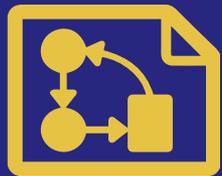
Agenda



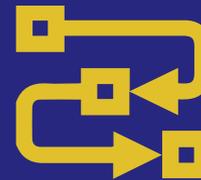
Site Design



Numeric Program



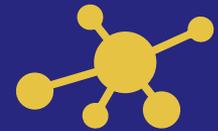
Budget Alignment



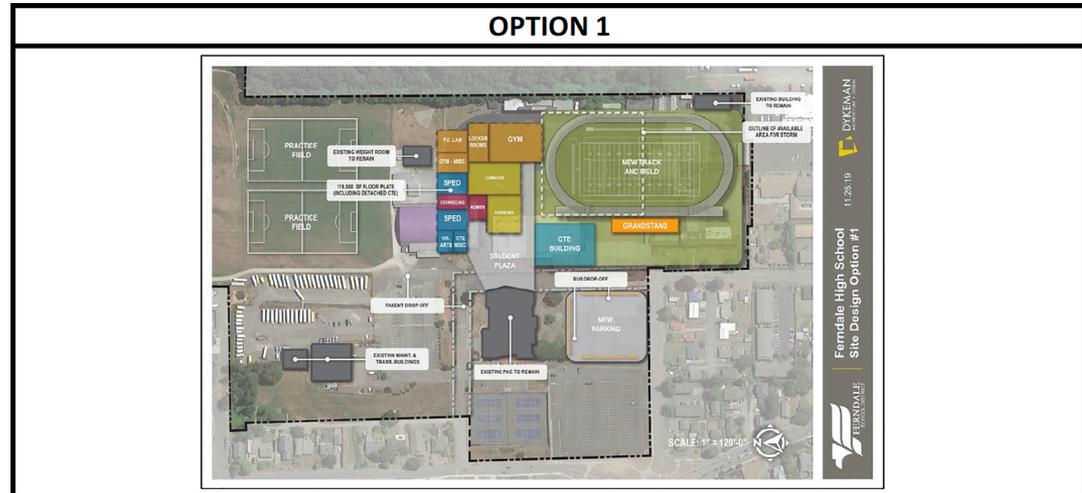
Next Steps
What comes next?



Site Design

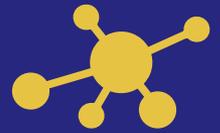


Site Design Option #1

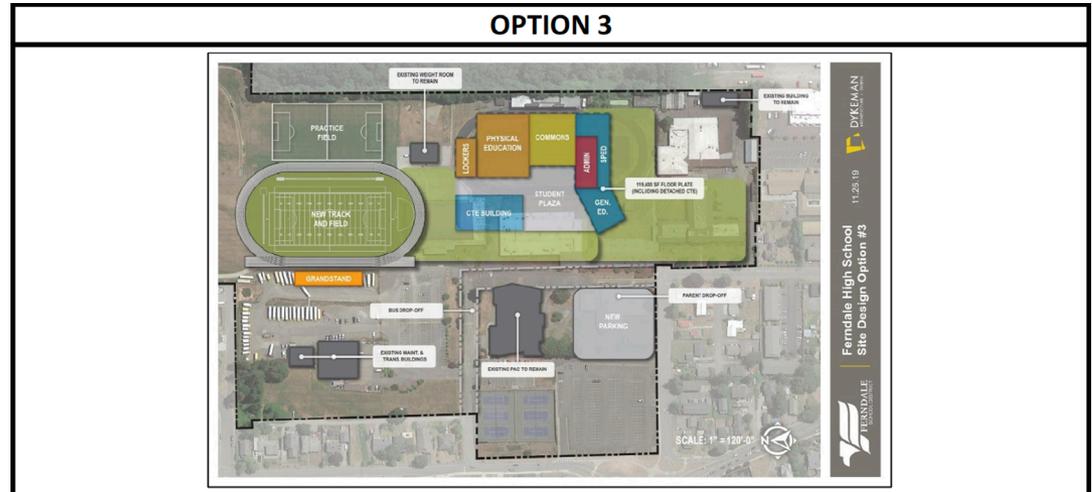


| Benefits: | Challenges: |
|---|---|
| <ul style="list-style-type: none"> Compact Easier phasing Better classroom phasing Clear identifiable entry Decent connection opportunity to existing PAC Reuse existing tennis courts Flat Topography Less Complex Construction Access More Favorable Construction Laydown/Staging Possible Reduction in Frontage Improvements | <ul style="list-style-type: none"> Road/traffic through campus Long walk to building Community spaces far away Phasing of Athletic Wing, Admin & CTE Building location in an area where foundations will be costly Requires demolition of Weight Room Building Deeper Bearing Soils (Higher Risk) Water Table Concerns (Higher Risk) Loss of Gym for 1 Year Extended Loss of Football Field (greater than 2 years) Need to Demo existing CTE Second Mobilization for Ground Improvement |

| Option 1 Cost Analysis | | | | |
|------------------------|----|------------|----|--------------|
| Total Site COW | \$ | 21,470,476 | \$ | 34.50 \$/sf |
| Building COW | \$ | 50,015,720 | \$ | 290.00 \$/sf |
| CTE Bldg COW | \$ | 4,100,000 | \$ | 205.00 \$/sf |
| TCC Total | \$ | 98,338,674 | \$ | 570.19 \$/sf |
| Delta to Target (TCC) | \$ | 6,838,674 | | |

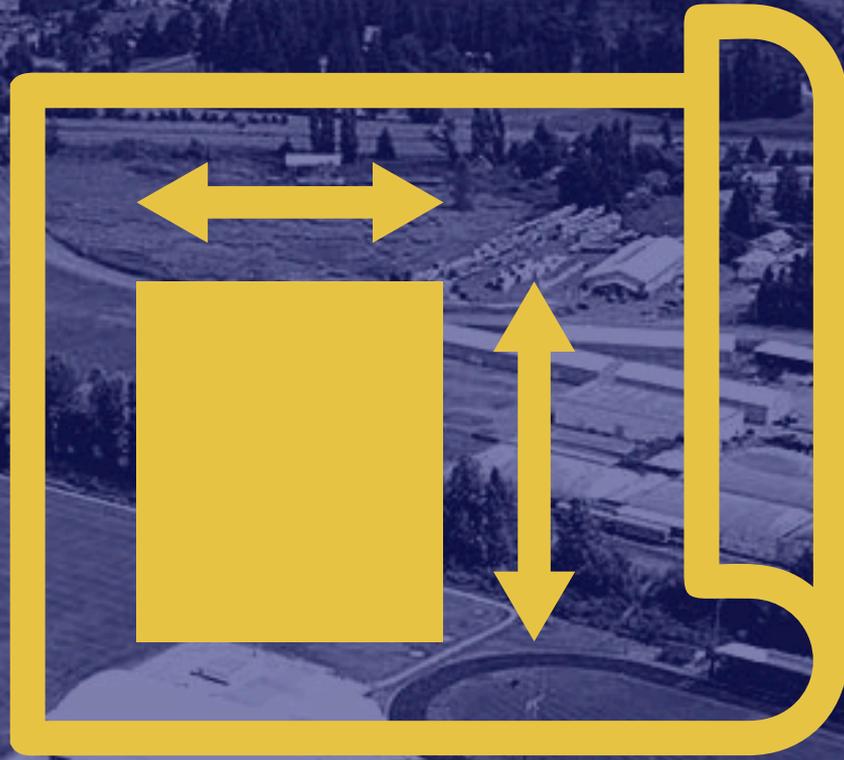


Site Design Option #3

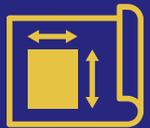


| Benefits: | Challenges: |
|--|---|
| <ul style="list-style-type: none"> Gym is close to the fields Clear front entry Retain CTE building for other use Easier to access community spaces More existing parking used Opportunity for expansion Buildings in center of campus Potential future bus barn relocate Less impact to neighbors CTE prominent presence, good delivery Flat Topography Less Complex Construction Access More Favorable Construction Laydown/Staging Possible Reduction in Frontage Improvements More favorable Storm Detention Construction | <ul style="list-style-type: none"> Road and traffic through campus Railroad proximity Phasing of Athletic Wing and CTE Courtyard faces north rather than south Phasing impacts existing cafeteria Deepest Bearing Soils (Higher Risk) Highest Water Table Concerns (Higher Risk) Loss of Gym For 1 year Loss of Football Field for 2 Years Second Mobilization for Ground Improvement |

| Option 3 Cost Analysis | | | | |
|------------------------|----|------------|----|--------------|
| Total Site Cost | \$ | 21,869,525 | \$ | 31.02 \$/sf |
| Remaining Bldg Budget | \$ | 50,015,720 | \$ | 290.00 \$/sf |
| Target Building Budget | \$ | 4,100,000 | \$ | 205.00 \$/sf |
| TCC Total | \$ | 97,916,319 | \$ | 567.74 \$/sf |
| Delta to Target (TCC) | \$ | 6,416,319 | | |

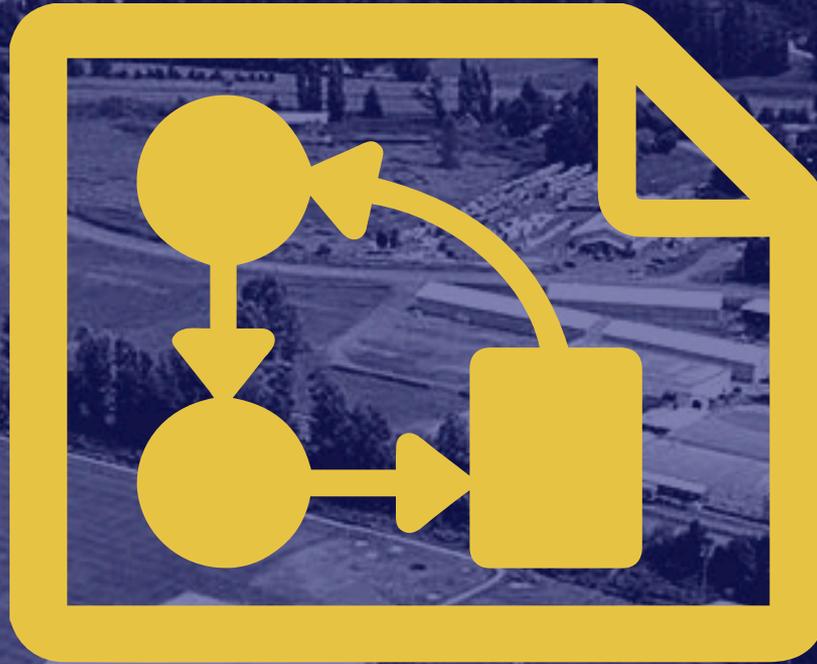


Numeric Program

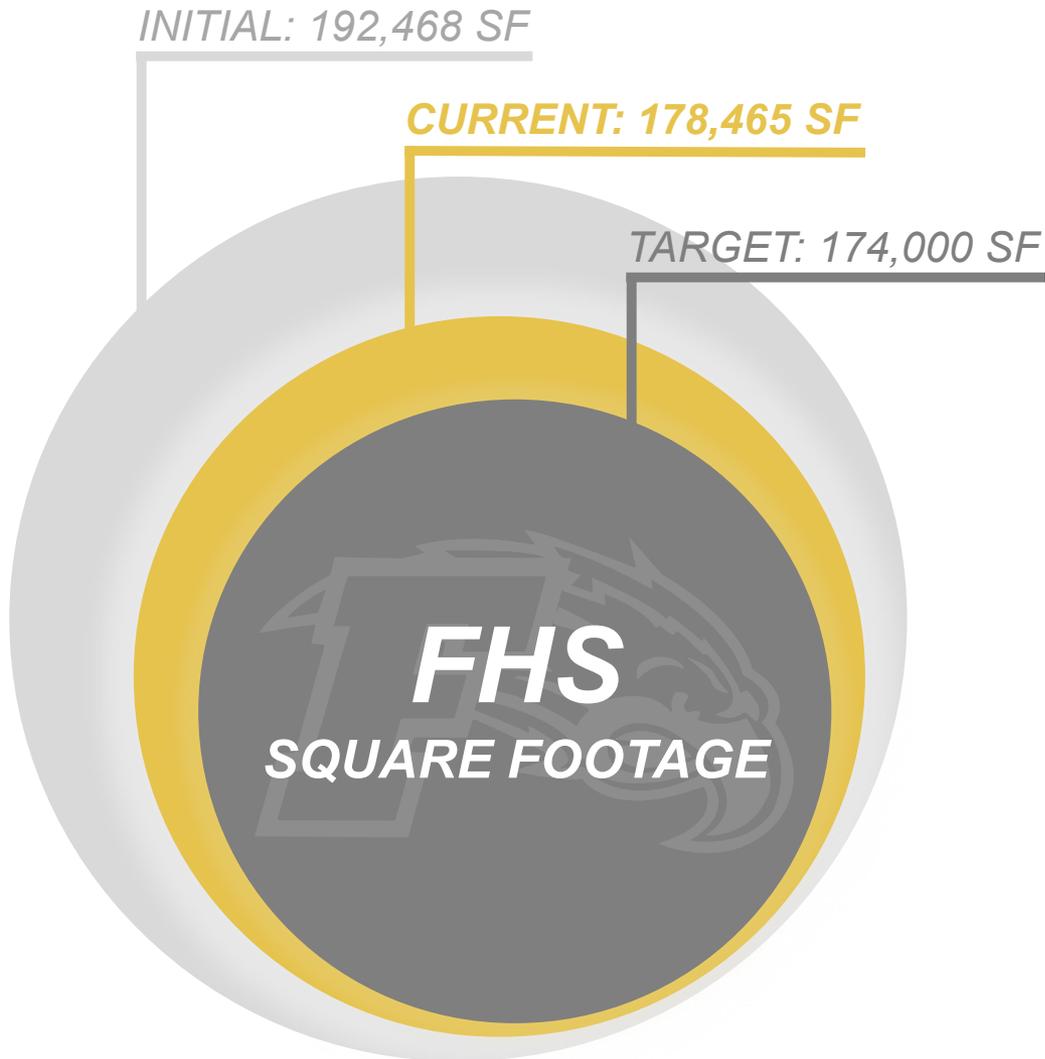


Ferndale HS Numeric Program Summary

| | |
|--------------------------------|-------------------|
| Administration | 3,442 SF |
| Counseling | 2,380 SF |
| Health Services | 535 SF |
| General Classrooms | 28,700 SF |
| Classrooms (28 @ 900 SF) | |
| Extended Learning Areas | |
| Science Classrooms | 9,165 SF |
| Classrooms (6 @ 1,450 SF) | |
| Supporting spaces | |
| CTE | 14,555 SF |
| Lab + Classroom (3 @ 2,300 SF) | |
| Lab (3 @ avg 1,100 SF) | |
| Classrooms (3 @ 900 SF) | |
| Supporting spaces | |
| PE/Athletics | 38,540 SF |
| Main Gym (1 @ 14,150 SF) | |
| Auxiliary Gym (1 @ 7250 SF) | |
| PE Lab (1 @ 4,000 SF) | |
| Weight Room (1 @ 3,200 SF) | |
| Supporting spaces | |
| Special Education | 5,210 SF |
| Classrooms (5 @ 900 SF) | |
| Supporting spaces | |
| Learning Commons | 4,150 SF |
| Innovation Center | |
| Supporting Spaces | |
| Commons and Food Services | 17,226 SF |
| Commons | |
| Supporting spaces | |
| Staff Support | 4,512 SF |
| Custodial Services | 820 SF |
| Miscellaneous Building Support | 3,948 SF |
| Mechanical/Electrical | 15,982 SF |
| Circulation & Walls | 29,300 SF |
| TOTAL | 178,465 SF |



Budget Alignment



7 Big Moves:

1. Reduce science classroom size from 1,500 SF to 1,450 SF
2. Move Aquaculture to existing weight room
3. Keep Visual Arts in existing location
4. Identify more shared classroom space in CTE
5. Reduce size of Library
6. Reduce PE storage to approximate existing
7. Reduce size of staff lounge



Next Steps

What comes next?