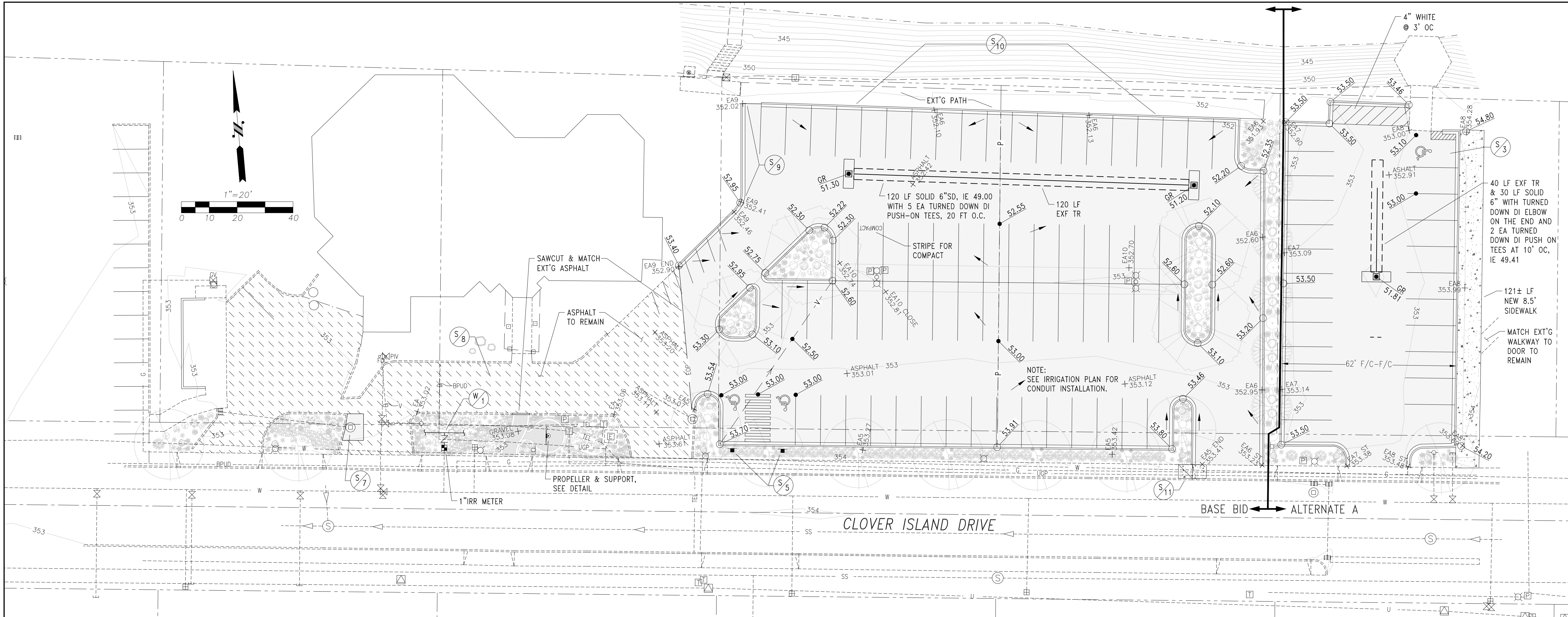


| SYMBOL LEGEND | |
|---------------|----------------------------|
| EXISTING | PROPOSED |
| | ACP |
| | SIDEWALK |
| | EDGE OF PAVEMENT |
| | CURB |
| | ROW |
| | PROPERTY LINE |
| | EASEMENT |
| | ORIGINAL GROUND CONTOUR |
| | FENCE |
| | PAVING PEAK |
| | PAVING VALLEY |
| | DRAINAGE DIRECTION |
| | STORM DRAIN |
| | SANITARY SEWER LINE |
| | WATER LINE |
| | IRRIGATION LINE |
| | UNDERGROUND UTILITY LINE |
| | UNDERGROUND TELEPHONE LINE |
| | STREET LIGHT |
| | STREET SIGN |
| | SANITARY SEWER MANHOLE |
| | CLEAN OUT |
| | CATCH BASIN |
| | CONTECH CATCH BASIN |
| | EXT TRENCH |
| | FLOW DIRECTION |
| | VALVE |
| | REDUCER |
| | FIRE HYDRANT |
| | PIPE STUB-OUT |
| | BLOW OFF |
| | WATER METER |
| | TELEPHONE PEDESTAL |
| | TRANSFORMER |
| | JUNCTION BOX |
| | CABLE TV PEDESTAL |
| | GRATE ELEV |
| | FINISH GRADE ELEV |
| | TOP OF CURB ELEV |



6 GENERAL

- EXISTING UTILITY LOCATIONS SHOWN WERE NOT VERIFIED BY EXCAVATION AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS.
- ALL WORK TO BE PERFORMED WITHIN RIGHT-OF-WAY TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF KENNEWICK STANDARD SPECIFICATIONS.
- CONTRACTOR TO STAMP ON TOP OF CURBS ALL UTILITY CROSSINGS UNDER THE CURB WITH THE FOLLOWING CODE LETTERS:
S = SANITARY SEWER W = WATER LINES
I = IRRIGATION C = CONDUITS FOR UTILITIES
- THE CONTRACTOR SHALL CALL ALL UNDERGROUND UTILITY COMPANIES FOR THEIR RESPECTIVE EXISTING UTILITY LOCATIONS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ON THIS PROJECT. CALL 1(800)424-5555 BEFORE YOU DIG.
- CONTRACTOR SHALL RECORD AND PROVIDE AS-BUILT DIMENSIONS AND, WHERE APPROPRIATE, ELEVATIONS, ON BASE DRAWING PROVIDED BY OWNER.
- CONTRACTOR SHALL CONSULT PROJECT ENGINEER IMMEDIATELY UPON DISCOVERING ANY DISCREPANCY.
- CONTRACTOR SHALL PROVIDE STAKING.

PUD & OTHER UTILITIES TRENCH

- THE CONTRACTOR SHALL COMPACT ALL UTILITY TRENCHING WITHIN THE STREET R/W TO 95% OF THE MAXIMUM DENSITY. THE CONTRACTOR SHALL COMPACT ALL UTILITY TRENCHING OUTSIDE OF THE STREET R/W TO PRECLUDE SETTLEMENT. KID TRENCHING BACKFILL TO BE COMPACTED AT 95% OF ASTM D-698.
- THE CONTRACTOR SHALL PROVIDE ALL TRENCH AND BACKFILL NECESSARY FOR INSTALLATION OF BENTON PUBLIC UTILITY DISTRICT (BPUD) FACILITIES. THE CONTRACTOR SHALL COMPLY WITH BPUD STANDARDS AND SPECIFICATIONS. TYPICAL TRENCH WILL BE 16" MIN. WIDTH AND 42" MIN. COVER (NOT TO EXCEED 48" DEPTH WITHOUT CONTACTING BPUD TO ASSURE COMPLIANCE WITH WAC 296-155-657). ROAD CROSSING COVER MAY BE REDUCED TO 32" MEASURED FROM THE TOP OF CONDUIT. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO BPUD FACILITIES (INCLUDES PHYSICAL DAMAGE, GRADE CHANGES, CLEARANCE REDUCTIONS AND FILL SETTLING) ON THIS SITE.
- THE CONTRACTOR SHALL PROVIDE ALL GRADES, PROPERTY CORNER LOCATIONS OR OTHER REFERENCE POINTS NECESSARY TO DETERMINE LOCATION AND DEPTH OF BPUD FACILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING ALL PERMITS NECESSARY AS SET FORTH UNDER WAC 332-120. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ADHERE TO ALL OF THE REQUIREMENTS OF THIS CHAPTER.
- NATURAL GAS; CNG TO PROVIDE TRENCH, BACKFILL, & PIPING. CONTACT BRUCE YAMAUCHI AT 735-7333 FOR SERVICE.

W WATER

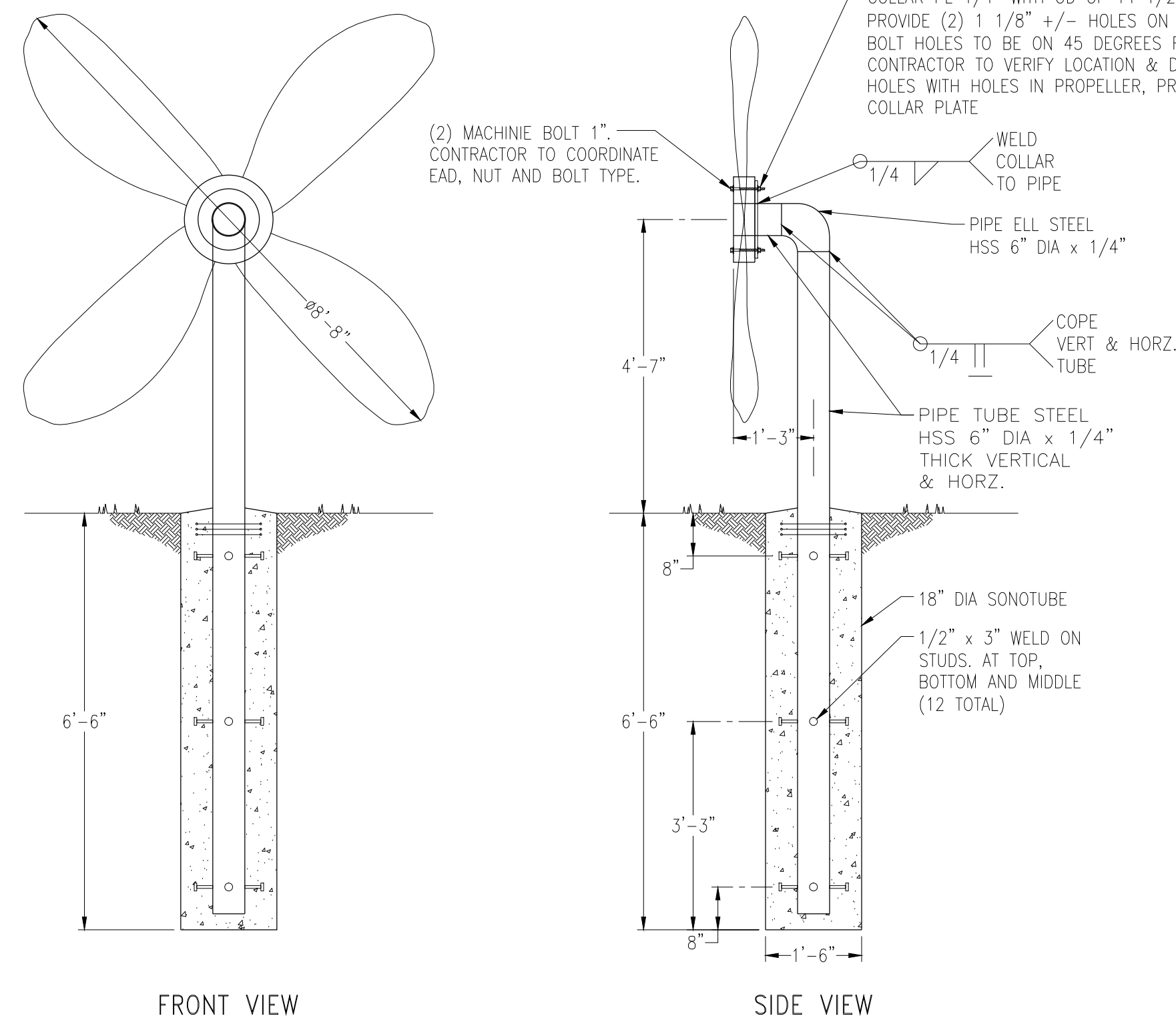
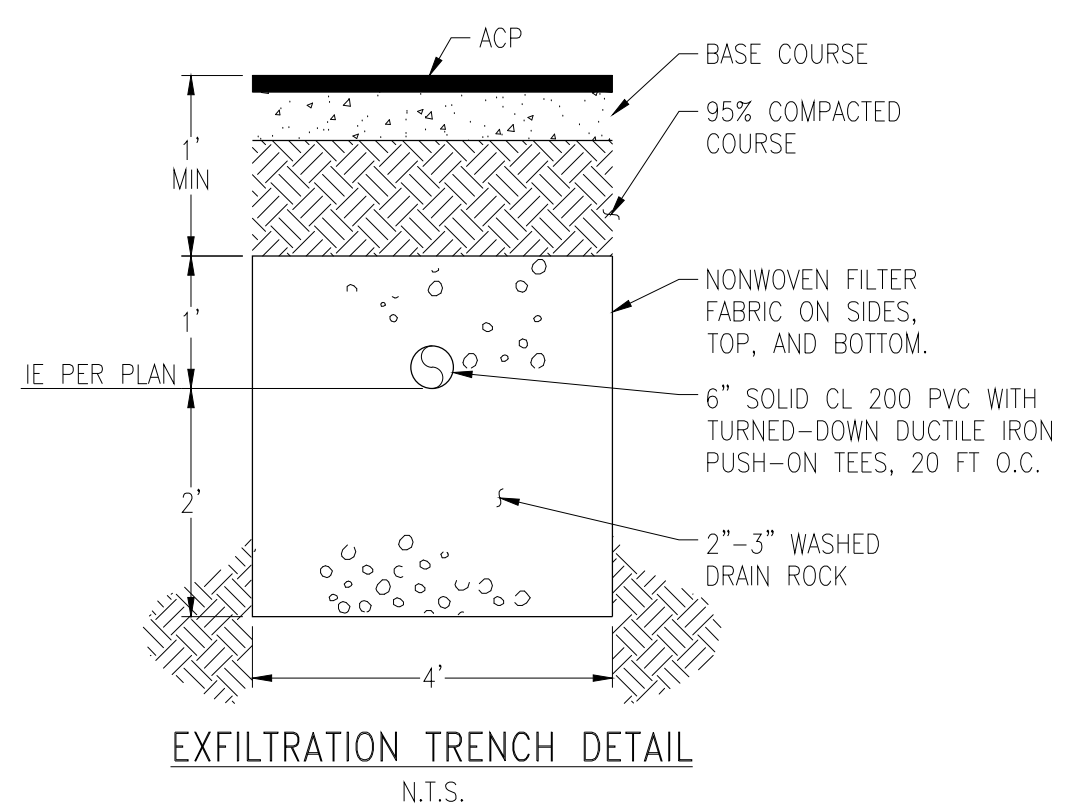
- SCHEDULE 1" IRRIGATION METER INSTALLATION WITH CITY CREW LEADER AT 585-4334. CITY WILL SUPPLY METER, METER BOX & TAIL PIECE. CONTRACTOR TO INSTALL WILKINS 1", MODEL 950XL1, TOP ACCESS, DCVA AND BOX.

5 SURFACING

- CONTRACTOR SHALL EXCAVATE TO SUBGRADE AND LEGALLY DISPOSE OF EXCESS MATERIALS AT AN OFF-SITE LOCATION NOT OWNED BY THE PORT OF KENNEWICK. CONTRACTOR SHALL REMOVE ORGANIC AND OTHER DELETERIOUS MATERIAL FROM THE TOP ONE-FOOT OF SUBGRADE SURFACE AND COMPACT SUBGRADE TO 95% ASTM D-698. CONTRACTOR SHALL APPLY STERILANT TO BASE ROCK PER MANUFACTURER'S SPECIFICATIONS.
- ON-SITE PAVING SECTION TO BE 2" HMA CLASS A PG64-28 4" CSTC ON COMPACTED SUBGRADE, COMPACT ASPHALT TO 92% ASTM D-1559. COMPACT BASE ROCK TO 95% ASTM D-698. ON-SITE CURB AND GUTTER TO BE PER CITY DWG 2-10.
- MAINTAIN LESS THAN 2% SLOPE AT HANDICAPPED PARKING STALLS.
- ALL STRIPING TO BE 2-COAT APPLICATION PER WSDOT 8-22.3(3). STRIPE WITH 4" WHITE STRIPES.
- PROVIDE 2 EA HC PARKING SIGNS & POSTS.
- NOT USED.
- SAWCUT AND REPLACE EXISTING ACP AT CATCH BASIN AND PLACE COMPACTED BACKFILL (CSTC) AROUND CATCH BASIN BARREL.
- APPLY "RESURFACER" SEAL COAT, OR APPROVED EQUAL, PER MANUFACTURER'S RECOMMENDATIONS (5,798 SF) INCLUDING CATCH BASIN REPAIR.
- DRILL AND GROUT 11 EA NO. 4 X 9" REBAR 6" INTO FACE OF EXISTING SLAB AND CAST INTO BACK OF NEW CURB, 3' O.C.
- SAWCUT AND MATCH EXISTING ACP PATH WITH NEW TOP OF CURB. AT WEST END, RAISE NEW GUTTER TO EXISTING ACP BY DECREASING CURB HEIGHT ACROSS 10 FT.
- REMOVE AND REPLACE 10 FT SIDEWALK TO WIDEN WEST END OF DRIVEWAY.

5D STORM DRAINAGE

- CONSTRUCT ON-SITE EXFILTRATION TRENCHES PER DETAIL. 6" PIPE TO BE CL 200 PVC WITH TURNED-DOWN DUCTILE IRON PUSH-ON TEES.
- CATCH BASINS SHALL BE CONTECH 3-CARTRIDGE "STORMFILTER" CATCH BASINS WITH 6" OUTLET, MANUFACTURER'S RECOMMENDED CONCRETE COLLAR, AND PERLITE OR CSF MEDIA.



PREP & FINISH: DE-GREASE, WASH, AND RINSE PIPE TUBE SUPPORT. HOT-DIP GALVANIZED IN COMPLIANCE WITH ASTM A 123/A 123M AND A 153/A 153M.

PROPELLER SUPPORT DETAIL
1" - 2'-0"



Cary L. Hall
July 11, 2011

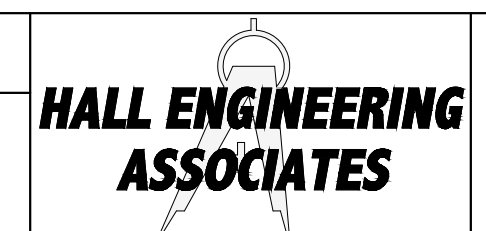


DATE: 07-11-11
DRAWN BY: DJK
DWG. NO. 162-D006

CALL BEFORE YOU DIG (800) 424-5555

PORT OF KENNEWICK

CEDARS PARKING LOT
C2 - GRADING, UTILITIES, & DETAILS



10 SOUTH AUBURN
KENNEWICK, WA 99336
(509) 582-2200