## SUDBURY ROAD LANDFILL

## REMEDIAL ACTION

 WALLA WALLA WASHINGTON
## J.UB



LOCATION MAP
FINAL PLANS CONSTRUCTION DOCUMENTS JANUARY 2016

PREPARED FOR:
CITY OF
WALLA WALLA
MAYOR: JERRY CUMMINS

| LINETYPES |  |  |
| :---: | :---: | :---: |
| DESCRIPTION | PROPOSED | Existing |
| Overhead Power, <br> Tele, Cable TV, Gas Underground Power, Tele, Cable TV, Gas) Ditch <br> Road Asphalt Road Gravel Road Center Line Major Contour Minor Contour Fence Edge of Landscaping Cut Limits Fill Limits Top of Bank Toe of Bank Property Line Property R/W Temporary Easement Permanent Easement Sanitary Sewer Service Condensate Pipe Potable Water Non Potable Water Irrigation Storm Drain Erosion Control Ditch FL Grade Break Air Line HDPE Header HDPE Lateral Wattles Silt Fence MSW Extents Electrical |  |  |



NOTE:
THE DRAWG MOUULES ARE ARRANGED BY COLUNS AND ROWS. COLUNS ARE IDENTIFIED WTTH
NUMBERS STARTING ON THE LEFT WTH 1 AND INCREASING TO HHE RIGHT. ROWS ARE IPENTIFIED


SECTION AND DETAIL IDENTIFIERS
NOTE:
ADASH MAY BE PLACED IN THE LOWER
PORTION OF THE IDENTIFIER TF THE
DETAL DRAWNG OR SECTION VIEW IS
LOCATED ON THE SAME SHEET


SHEET NUMBERING
EXAMPLE sheet number
C-101 C- 1

| DISCIPLINE DESIGNATORS |  |  |
| :---: | :---: | :---: |
| DISCIPLINE | DESIGNATOR | DESCRIPTION |
| GENERAL | 6 | ALL GENERAL |
|  | GI | GENERAL INFORMATION |
|  | GC | GEnERAL CONTRACTUAL |
|  | GR | GENERAL RESOURCE |
| SURVEY/MAPPING | $\checkmark$ | ALL SURVEY |
| GEOTECHNICAL | в | ALL GEOTECHNCAL |
| CIVIL | c | ALL CIVIL |
| LANDSCAPE | L | ALL LANDSCAPE |
| STRUCTURAL | s | ALL STRUCTURAL |
| ARCHITECTURAL | A | ALL ARCHITECTURAL |
| EQUPMENT | Q | ALL EQUPMENT |
| MECHANICAL | M | ALL MECHANICAL |
| ELECTRICAL | E | ALL ELECTRICAL |
| PLUMBING | P | ALL Plumbing |
| PROCESS | D | ALl Process and gas collection |
| RESOURCE | R | ALL RESOURCE |
| Adotive bid | 2\# | \# = ADIITVE BID SCHEDULE |


| SHEET TYPE DESIGNATORS |  |
| :---: | :--- |
| DESIGNATOR | SHEET TYPE |
| 0 | GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.) |
| 1 | PLANS (HORIZONTAL VIEWS) |
| 2 | ELLEVATIONS, PROFILES, COMBINED PLAN AND PROFLLES |
| 3 | SECTIONS (SECTIONAL VIEWS) |
| 4 | LARGE-SCALE VIEWS (PLANS, ELLVATIONS, ETC.) |
| 5 | DETALS OR COMBINED DETALLS AND SECTIONS |
| 6 | SCHEDULES OR DIAGRAMS |
| 7 | USER DEFINED |
| 8 | USER DEFINED |
| 9 | 3D REPRESENATIONS (ISOMETRICS, PERSPECTIVES, <br> PHOTOS) |

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## J-ube enginerss, inc.




| ABBREVIATIONS |  |
| :---: | :---: |
| ABBREVIATION | TERM |
| ASSY． | ASSEMBLY |
| ＞ | ANGLE |
| © | At（MEASUREMENTS） |
| BLDG． | BUILING |
| в．м． | BENCH MARK |
| BSC | BTUMINOUS SURFACE COURSE |
| BSW | BACK OF SIIEWALK |
| Bw． | Both ways |
| c | CHANNEL |
| C／L | CENTERLINE |
| СмP | CORRUGATED METAL PIPE |
| co | CLEANOUT |
| conc． | CONCRETE |
| cont． | continuous |
| CPLG． | COUPLING |
| cstc | CRUSHED SURFACING TOP COURSE |
| $\mathrm{Cu} . \mathrm{FT}$ ． | CUBIC FEET |
| $\mathrm{Cu} . \mathrm{YD}$ ． | CUBIC YARD |
| DEG．OR | DEGREE |
| DET． | DETALL |
| DIA．OR $\varnothing$ | dIAMETER |
| D．I． | DUCTILE IRON PIPE |
| DIST． | DISTRIBUTION |
| ows． | DRAWING |
| EA． | EACH |
| ELB． | ElBow |
| ELEV．OR EL． | Elevation |
| E．W． | EACH WAY |
| ExIST． | ExISTING |
| F．G． | FINISH GRADE |
| F．H． | FIRE HYDRANT |
| FL | FLANGE |
| F OR | FEET |
| G．V． | GATE Valves |
| HoRIz． | HORIZONTAL |
| $1{ }^{10}$ | INSIDE DIAMETER |
| IN．OR＂ | INCH |
| LB．OR \＃ | POUND |
| LF | LINEAL FEET |
| LN． | LINAL |
| MAX． | MAXIMUM |
| MIN． | MINMUM |
| mJ． | MECHANICAL Joint |
| No．OR \＃ | NUMBER |
| O．C．E．W | ON Center each way |
| PE | POLYETHLENE OR PLAIN END |


| ABBREVIATIONS |  |  |
| :---: | :---: | :---: |
| AbBreviation | TERM |  |
| PL | Plate |  |
| PVC | PoLYINYL－CHLORIDE |  |
| R | Radius |  |
| R\＆R | REMOVE AND REPLACE |  |
| ReQ＇D | Required |  |
| Rev． | REVSIION |  |
| RFCA | RESTRAINED FLANGE COUPLING ADAPTER |  |
| RJ． | RESTRAINED Joint |  |
| R／W | RIGHT－OF－WAY |  |
| s | SLOPE |  |
| SAN | SANTARY SEWER |  |
| ss | STANLESS STEEL |  |
| SOG | SLAB ON GRADE |  |
| SPEC． | SPECIFICATION |  |
| STA | Station |  |
| STD | STANDARD |  |
| STL． | Steel |  |
| ST．STL． | Stanless steel |  |
| TBC | TOP BACK OF CURB |  |
| Tow | TOP OF WALL |  |
| TYP． | TYPICAL |  |
| TFC | TOP FACE OF CURB |  |
| w／ | WTH |  |
| w／o | WTHOUT |  |
| W／REQ＇D | WHERE REQUIRED |  |
| ABDN | ABANDONED |  |
| NPW | NON－POTABLE WATER （UTLITY WATER） |  |
| ELECTRIC |  |  |
| SYMBOL DESCRIPTION | $\begin{gathered} \text { EXIITTING } \\ \text { SYMBOL \& } \\ \text { BLOCK NAME } \end{gathered}$ | PROPOSED SYMBOL BLOCK NAME |
| ELEC． MANHOLE | ${ }^{( }$ | $\bullet$ |
| ELEC． | 旨 | ${ }_{5}^{\text {E }}$ |
| ELEEC． | 可 | ® |
| GUY | $\downarrow$ | $\downarrow$ |
| $\underset{\substack{\text { JUNCTION } \\ \text { BOX }}}{ }$ | 『 | 『 |
| POWER POLE | $\square$ | － |
| $\begin{aligned} & \text { POWER } \\ & \text { STUBB } \end{aligned}$ | © | © |
| $\underset{\substack{\text { STREET } \\ \text { LGHT }}}{ }$ | 笅 | ＊ |
| $\begin{aligned} & \text { TRAFFIC } \\ & \text { SAGAL } \\ & \text { SOLE } \end{aligned}$ | （2） |  |



| FITTINGS |  |  |
| :---: | :---: | :---: |
| $\underset{\text { DESCRIPTION }}{\text { SYMBL }}$ | EXISTING BLOCK NAME | $\begin{gathered} \text { PROPOSED } \\ \text { SYMBOL\& } \\ \text { BLOCK NAME } \end{gathered}$ |
| $\begin{gathered} \text { BEND } \\ \left(11.5^{\prime}\right) \end{gathered}$ | H | I |
| $\begin{aligned} & \text { BEND } \\ & \left(22.5^{\prime}\right) \end{aligned}$ | 从 | ${ }^{\wedge}$ |
| $\begin{aligned} & \text { BEND }\left(45^{\prime}\right) \end{aligned}$ | 4 | T |
| $\begin{gathered} \text { BEND } \\ \left(9^{\circ}\right) \end{gathered}$ | $\zeta$ | ¢ |
| CAP | T | T |
| COUPLING | \＃ | \＃ |
| cross | 壬 | 壬 |
| $\begin{gathered} \text { REDUCER } \\ \text { (CONCENTRIC) } \end{gathered}$ | $\stackrel{ }{\wedge}$ | 14 |
| $\begin{gathered} \text { REDUCER } \\ \text { (ECCENTRC) } \end{gathered}$ | $\downarrow$ | $\nabla$ |
| tee | 山 | 工 |
| TRUE UNON | 川 | 小 |
| WYE | 入 | $\stackrel{\text { 入 }}{ }$ |


| VALVES |  |  |
| :---: | :---: | :---: |
| SYMBOL <br> DESCRIPTION | EXISTING SYMBOL\＆ BLOCK NAME | PROPOSED SYMBOL\＆ BLOCK NAME |
| VALVE | 4 | $\triangle$ |
| ${ }_{\substack{\text { OLIOW } \\ \text { OFF }}}$ | 会 | 眞 |
| $\underset{\substack{\text { COMBO } \\ \text { VALVE }}}{\text { ．}}$ | $\bigcirc$ | $\triangle$ |
| ball valve | － | J ${ }_{\text {c }}$ |

$\underset{\text { Ju－benginezs，inc．}}{\text { JU－B }}$





## KEYED NOTES

(1) ECOLOGY BLOCK WALL $240 \pm$ LF. SEE DETALL C3 (2) FORM CONCRETE BARRIER WALL FROM EXISTING (3) $\begin{array}{r}520 \pm \\ \text { TEMPORA } \\ \hline\end{array}$

4 NOT USED
5 LANDFILL GAS WELL, SEE SHEET D-101. PLACE 10' $\times 10^{\prime} \times 44^{\prime \prime}$ DEEP PAD OF CRUSHED CONCRETE,
PLACE BOLARS ARONO WEL PER DETALL AI
(6) CUT/FILL TO SUBGRADE LEVEL (SEE SHEET C-106) THEN CUT/FLL TO ROUGH GRADIN
LEVEL. EXCESS CUT FROM AREA 5 MAY BE PLACED ON AREA 2 AS NEEDED FOR AREA 2.

8 APPLY 1-INCH THICK COMPOST OVER AREA 2
(9) APpIY MULCH, TACKIFIER AND DRYLAND SEED
(10) APPLY MULCH, TACKIIFRR, DRY LAND SEED AND 2, $1 \pm$ ACRE (IN VICINTIY OF AREA 2)
(11) IMPROVE HAUL ROAD, SEE SHEET V-102 AND

12 APPROXIMATE EXTENTS OF AREA 2 WASTE
13 GAS COLIECTION SYSTEM SEE SHEET D-
(14) ALTERNATE AFTER-Hours haul road. SEe shet
(15) M-102. ANTAN AND PROTECT EXISTING MONTORRING

16 haul road, see sheet v-102.
17 CONDENSATE SUMP AND PUMP, SEE SHEEE D-101. PLAE 10'x10'A4" DEEP PAD OF
CRUSHED CONCRTE PLACE BELARDS AROUND
SUMP PER DETALL A1 ON C-501.





CONSTRUCTION NOTES:

1. GRADNG OF TESTITE MUST BE DONE IN THE FOLLOWNG SEQUENCE:
1.1. AREA 5 ROUGH GRADING MUST BE COMPLETED BEFORE BEGINNING
AREA 5 ROUGH GRAD NG MUST BE COMLETED BEFORE BEGINING AREA 2 ROUGH GRADING. CUT
MTERAL FRM AREA 5 MUT BE EXAUUTED BEFOR IMEORNED FILL IS BROUGHT IN.
1.2. CLEAR SITE OF LARGE VEGEAATIONT (SAGEBRUSHITREESA
1.3. CUT EXISTING GROUND TO 5-FEET BELOW FINSHED GRADE

SHEETS C-106 AND C-107 FOR SUBGRADE CONTOURS

IMPORT FILL MIXED WTH BIOSOLDS (FINSHED GRADNG) IN COMPACTED LIFTS TO THE FINSHED GRADES
1.6. APPYY COMPOST FROM CIIY COMPOST FACLITY TO APPROX. A 1 -INCH DEPTH AND WORK INTO TH
SURACE BY TRACK WALKING LOW GROUND PRESSURE EQUPMENT PERPENICULAR TO SLOPE.
 3. CONTRCTOR SHALL
THIL LAD AN AND HAUL COMPOST PURCHASED FROM CITY COMPOST FACILITY AND APPLY To
 2 STOCKPILE LOCATION FOR AREA 5

$$
\begin{aligned}
& 3 \text { ROAD CROSSING. PATCH, SEE SHEET } \\
& \text { DETALL C2 ON C-501. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { GRADING LEVEL. } \\
& \text { IMPRT FNSHED GRANG APPROX } \\
& 21,860 \text { CYH (DOES NOT INCLUDE }
\end{aligned}
$$

$$
\begin{array}{cc}
7 & \text { Nof } \\
8 & \text { CAL }
\end{array}
$$

$$
\begin{aligned}
& \text { COMPOST OR BOOOLDS) SEE } \\
& \text { COSTTUCTON NOTES } \\
& \text { NORTH DITCH IMPROVEMENTS, SEE SHEET } \\
& \text { C-201 }
\end{aligned}
$$

$$
\begin{aligned}
& 8 \text { HAUL ROAD, SEE SHEET V-102 } \\
& 9 \text { RUNOF CONROL BERM } 416 \pm \text { LF. SEE } \\
& \text { DETAIL A2 ON SHEET C } 501
\end{aligned}
$$

$$
\text { (10) EROSION CNTROL DTTCH } 1,200 \pm 1
$$

$$
\begin{array}{ll}
11 & \text { COMPOST ACCESS ROAD. SEE SHEE } \\
\text { C-ONO } \\
\text { COORETE RUBLE PLLE. SEE SHE } \\
\text { C-102 }
\end{array}
$$

$$
\begin{aligned}
& \text { OUTIDE OF ARE 5, } 5 \pm \text { ACRES (II } \\
& \text { VICINTY OF AREA 5) }
\end{aligned}
$$

$$
16 \text { STORM DRAIN CULVERT, SEE C-202 }
$$

$$
\begin{aligned}
& 17 \text { APPROXIMATE EXTENTS OF AREA } 5 \text { WASTE } \\
& 18 \text { GAS COLLECTION SYSTEM, SEE SHEET } \\
& \text { D-101 }
\end{aligned}
$$

(19) REMOVE AND DISPOSE OF EXIST. TREE

$$
20 \text { VENT FOR DECOMMISSIONING, SEE D-101 }
$$

(21) CONDENSATE SUMP AND PUMP, SEE

(22) ONANT-501. AND PROTECT EXISTING
 (23) Not Used




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THE IEMPORARY EROSION CONTROL SILT FENCING AND CONSTRUCTION ENTRANCE SHALL
BE INSTALLED PRIOR TO ALL OTHER CONSTRUCTION
2. ALL CLEARING LMMTS AND/OR EASEMENTS SETBACKS, SENSTTVE/CRTIICAL AREAS AND
THER BUFFERS, SIGNIFCANT TREES AND DRAIAGE COURES SHALL BE CLEARLY STAKED
3. AROP MARTIED AD ALACENT TO THE PROSJECT SITE THAT ARE SUBJECT TO POTENTAL EROSION


5. WABEREVER CONSTRUCTITN VEHICLE ACCESS ROUEES ITTERSECT PAVED ROADS, A
 TO MINMIZ NSE THANSPORN OF SEDIMENT (MAD) ONTO THE PAVED READ IF IF SEDMEN
IS TRANSPORTED ONTO A ROAD SURFACE, THE ROADS SHALL BE CLEANED THOROUGHLY


6. SHALL BE INSTALLED.

SHALL BE PERMANENLY STABLILED
AL POLLUTANT OTHER THAN SEDMENT THAT OCCUR ON-SITE DURING CONSTRUCTION
SOU







12. AITE. ALL TMES OF THE YEAR, THE CONTRACTOR SHALL HAVE SUFFICIEN MATERIALS,
EOUUPMENE AND LABOR OA-SITE TO STABILZE AND AREVENT EROSION FROM ALL



 ORIGNAL CONDITON DU
COST TO THE OWNER.


CHANNEL CROSSING DETAIL


1. THE TEMPORARY CONSTRUCTION ENTRANCE SHOULD BE CLEARED OF ALL VEGETATIN,
 SPECIFCATIONS.
2. GRAVEL SHALL BE CRUSHED BALAST ROCK, $8^{\prime \prime}$ to $12^{\prime \prime}$ IN DEPTH AND INSTALLED To THE
SPECLIFED DIMENSIONS AT THE ENTRANCE.
3. THE GRAVEL BALLAST ROCK SHALL BE 4 " TO $8^{\prime \prime}$ IN DIAMETER AND PLACED ACROSS THE
4. IF CONDITIONS ON THE SIIE ARE SUCH THAT MOST OF THE MUD IS NOT REMOVED FROM VEHICLE TRES BY CONTACT WTH GRAVEL THEN THE TRES MUST BE WASHED BEFORE
VEHICLES ENTER ONTO A PUBLLC ROAD. WASH WATER MUST BE CARRIED AWAY FROM

5. THE ENTRANCE SHALL BE MAINTANED IN A CONDITION WHICH WIL PREVENT TRACKING O
FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WTTH 2" STONE, AS CONDITONS DEMMND AND REPAIR AND/OR CLEAN OUT ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERAALS SPILLED, DROPPED, WASHED O
TRACED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRANS MUST BE REMOVED

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

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(JUB

KEYED NOTES
1 AREA 5 GRADING, SEE SHEET C-102
HAUL ROAD, SEE SHEET V-102
RETAIN AND PROTECT EXIST. 24" CMP PIPE
(4) REMOVE AND DISPOSE OF EXIST. PYRAMAT
(5) CONSTRUCT CONCRETE CHANNEL PER DETAL

Cl oN
$22+00)$

6 EXIST. 24"ゅ CuLVERT, INV. OUT. 793.72
7 GAS COLLECTION SYSTEM, SEE D-101
8 EXITT. 18 " $\phi$ Culvert, INv. IN: 797.07, Inv.
9 CONDENSATE SUMP, SEE D-502

10 IMPORT FILL IN COMPACTED LIFS (98\% COMPACTION) FROM TOP OF CONCRETE
CHANNEL WALL TO EXISTING GROUND.
(11) EROSION CONTROL DITCH, SEE SHEET C-102.
(12) NORTH DITCH INLET \#1. SEE C-401

13 NORTH DITCH INLET \#2. SEE C-402
(14) NORTH DITCH INLET \#3. SEE C-402
(15) RESTORE DISTURBED AREAS WITH MULCH,

|  |
| :---: |
| Escosy |
|  |
|  |
| SHEET NUMEER: |
| C-201 |
















## 1 GENERAL

A. SERMITS, LICENSES APPROVALS AND OTHER ARRANGMENTS FOR WORK B. ELECTRICAL WORK SHAL BE EXECUTED IN STRICT ACCORDANCE WTH THE C. ORDINANCES END REGLLATIONS.


E. PHENOLC NAMEPATTES SHALL BE PROVIDED ON ALL ELECTRICAL DEVVCES
F. PROVDE GROUNIING RERENEC, AL RACWAN SHALL CONTAIN A
 H. PROVIDE SEAL FITITNGS AND INSTALLATIONS PER CODE REQUIREMENTS IN

## 2 PRoducts

A. ALL WIRES SHAL BE STRANDED CONDCCTORS THWN AND SHALL BE B. All Suppors AN HPRD STARE (BOLTS, NUTS, SCREWS, ETC.) SHALL BE C. UNDERGROUND RACEWYYS SHAL RE SCHEDULE 40 PVC. EXPOSED D. BoXes Shal be nema 4 X
E. SUPPORTS SHALL Be STAINLeSS SteEl, aluminum or non-metallic.

## 3EXECUTION

A. ALL RACEWAYS SHALL be have a phenolic marker on each end.
B. ALL WORK WIL BE INSPECTED AND TESTED PRIOR TO ACCEPTANCE.

D. INSTTRLLCETOUPMENT AND INSTRUMENTATION PER MANUFACTURERS





general notes

2. this drawing shows relative locations of devices and panels and is not drawn to scale.
3. ALL SHELDED AND UNSHELDDD CONDUCTORS SHAL BE RUN IN CONDUIT. SHIELDED CONDUCTORS SHALL
4. THIS DRAWNG DOES NOT SHOW CONDUIT SYSTEMS. PROVIDE, AS A MINMMUM PULL BOXES AS
5. CONDUIT SIZED FOR CONDUCTORS SHOWN.
6. SHAELLEED AND UNSHIELDED CONDUCTORS SHALL HAVE A MINMUM OF 6" $^{\prime \prime}$ SEPARATION BETWEEN CONDUIT on
7. SHERLDED CONNUCTORS SHALL BE SEPARATED FROM UNSHELLDED CONDUCTORS BY STEEL BARRIERS IN ALL

9. CONDUCTORS SHALL NOT BE SPLICED EXCEPT AT TERMINALS.
10. SHIELDED CONDUCTORS SHALL BE RUN IN GRS OR PVC COATED GRS CONDUIT. UNSHIELDED CONDUCTORS
11. ROUTE CONDUIT FOLLOWING PIPE ROUTE
12. PROVIDE 5 FEET FLEX CONNECTION FOR FUTURE REMOVAL At FLOW ELEMENT ASSEmbly.
13. WSTAAL FLOW METER WITH MINIMUM 80" UPSTREAM AND $40^{" \prime}$ DOWNSTREAM STRAIGHT PIPE LENGTHS

AREA NOTES
 Mutin Mes ind


$4 \times$ ' ${ }^{\prime} \times 52$ " HIGH PRECAST OPEN BOTTOM VAULT
SPRING ASSISTED LID, AS PROVIDED BY WUBER

 INSTALLATION PER NEC.


[^0]:    (JUB)
    
    
    
    

