

GENERAL NOTES CIVIL:

1. ALL WORK & MATERIALS SHALL CONFORM TO CURRENT OREGON U.P.C., A.P.W.A., O.D.O.T., & ALL APPLICABLE STATE AND CITY REGULATIONS AND STANDARDS. CONTACT ENGINEER FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS.
2. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS & LOCATIONS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
3. ALL GRADE SURVEYING AND HORIZONTAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL EXISTING SITE UTILITIES IDENTIFIED ON THIS PLAN ARE NOT INTENDED TO BE EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UTILITIES AND PROTECT AS REQUIRED DURING THE COURSE OF CONSTRUCTION.
5. CONTRACTOR SHALL NOTIFY ALL APPLICABLE REGULATORY AGENCIES AND UTILITY COMPANIES 48 HRS PRIOR TO BEGINNING WORK.
6. ALL SITE EXCAVATION, TRENCH BACKFILL, PARKING LOT SUBGRADE, FLATWORK SUBGRADE, COMPACTION REQUIREMENTS, ETC. SHALL BE AS NOTED IN THE SITE PREPARATION NOTES.
7. ALL SITE CONCRETE SHALL BE  $f_c = 3500$  PSI @ 28 DAYS, 6% ENTRAINED AIR, 4" SLUMP, U.N.O.
8. ALL UTILITY SERVICES SHALL BE INSTALLED PER THE RESPECTIVE UTILITY CODES & STANDARDS.
9. ALL UTILITIES SHALL HAVE A MINIMUM COVER OF 30" UNLESS OTHERWISE SPECIFIED.
10. ALL SERVICES SHALL BE ADEQUATELY MARKED AS REQ'D SO AS TO IDENTIFY THE SIZE, TYPE, & DEPTH OF THE SERVICE.
11. ALL SERVICES SHALL BE PLUGGED AS REQ'D TO ADEQUATELY ENSURE THAT NO FOREIGN MATERIALS ENTER THE LINE.
12. CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION.
13. STORM COLLECTION SYSTEM DESIGNED FOR SILT TIGHT COMPONENTS.
14. ALL STORM PIPE IDENTIFIED AS "HDPE" SHALL BE ADS N12. "PVC" SHALL CONFORM TO ASTM D 3034 - SDR 35 WITH GASKET JOINTS. ALL STORM PIPE IDENTIFIED AS "CMP" SHALL BE GALV. 12 GAUGE CORRUGATED METAL, U.N.O. SEE PLAN SET FOR ADDITIONAL INFORMATION.
15. ALL STORM COLLECTION SYSTEM CONNECTIONS AND COMPONENTS SHALL CONFORM TO PIPE MFR. REQ'TS. GC TO COORDINATE STORM SYSTEM LAYOUT W/ ENGINEER AND STORM SYSTEM SUPPLIER AT TIME OF CONSTRUCTION.
16. ALL CATCH BASINS SHALL BE BY GIBSON MANUFACTURING COMPANY OR APPROVED EQUAL W/ CITY APPROVED SETTLEMENT TRAP. SUBMIT MANUFACTURER'S SHOP DRAWINGS FOR ENGINEERS APPROVAL PRIOR TO CONSTRUCTION.
17. ALL STORM DRAIN PIPE SHALL BE BEDDED IN 3/4" MINUS CRUSHED ROCK COMPACTED TO 95% MODIFIED PROCTOR. SEE PIPE MANUFACTURER INSTALLATION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. ALL PIPE SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
18. ENGINEER SHALL INSPECT ALL STORM DRAIN SYSTEMS FOR CONFORMANCE TO SUBMITTED PLANS. GC SHALL NOTIFY ENGINEER 48 HRS PRIOR TO ALL BACKFILL OPERATIONS ABOVE PIPE HAUNCH.
19. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH CROOK COUNTY PUBLIC WORKS DEPT., ENGINEERING DIVISION PRIOR TO "NOTICE TO PROCEED" AND PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. GC SHALL COORDINATE THE MEETING SCHEDULE. ZOS SHALL BE NOTIFIED AND ATTEND MEETING.
20. CROOK COUNTY ENGINEER SIGNATURE DOES NOT GRANT APPROVAL TO COMMENCE CONSTRUCTION. ALL WORK TO BE COORDINATED WITH COUNTY INSPECTOR.
21. ACCESS TO ALL EXISTING RESIDENTS AND BUSINESSES AFFECTED BY CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES. DAMAGED DRIVEWAYS SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION UPON COMPLETION OF THE PROJECT AND BE CONSTRUCTED TO THE SATISFACTION OF EACH RESIDENT. EMERGENCY ACCESS SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE COORDINATED WITH CROOK COUNTY EMERGENCY SERVICES.
22. ALL LANDSCAPING BY OTHERS.
23. A CURRENT TOPOGRAPHICAL SURVEY WAS NOT PROVIDED. THE TOPO SHOWN IS FOR INFORMATION ONLY.

LEGEND:

- / — STORM WATER DRAINAGE DIRECTION
- ▣ NEW CATCH BASIN
- FINISH GRADE SPOT ELEVATION
- 3.0% FINISHED SURFACE SLOPE AND DIRECTION
- GRADE BREAK
- PROPERTY LINE
- ss — NEW SANITARY SEWER
- w — NEW DOMESTIC WATER
- NEW PRIVATE STORM SEWER
- ac ASPHALT CONCRETE WEARING SURFACE
- sw SIDEWALK
- IE INVERT ELEVATION
- grd GROUND
- CB CATCH BASIN
- FF FINISHED FLOOR
- C/O CLEANOUT
- BOT BOTTOM
- lbc TOP BACK OF CURB
- conc CONCRETE
- GB GRADE BREAK

CONSTRUCTION NOTES:

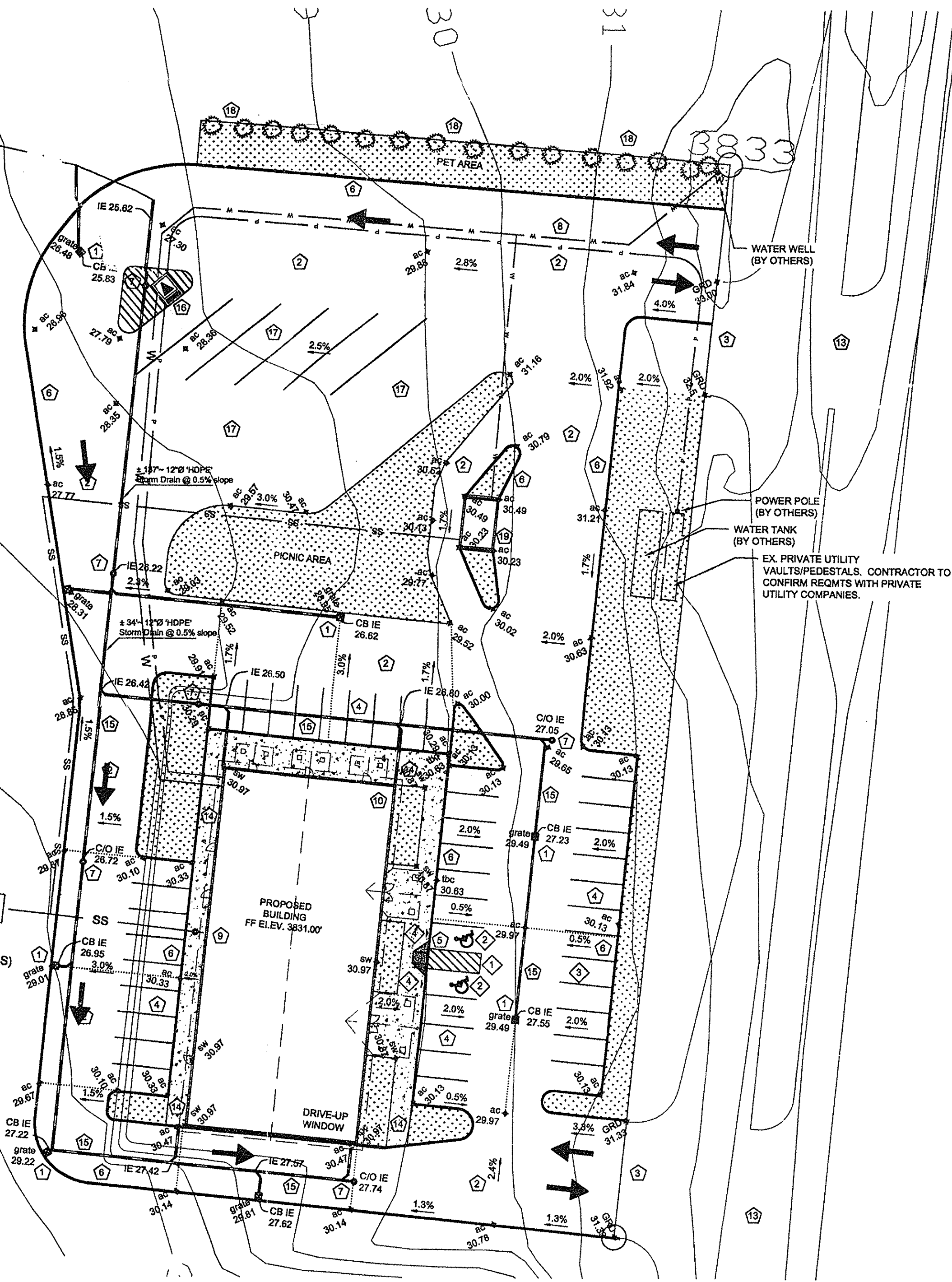
1. 24" SQUARE H-20 RATED GIBSON STEEL CATCH BASIN WITH 24" SLUMP & APPROVED TURN DOWN POLLUTION CONTROL SNORKEL.
2. CONSTRUCT 3-INCHES ODDT CLASS "C" AC PAVING OVER 8-INCHES OF 3/4" MINUS CRUSHED AGGREGATE BASE COURSE.
3. 40' COMMERCIAL DRIVEWAY PER ODOT REQ'TS.
4. 8' x 20' PARKING STALLS TYP.
5. ADA RAMP - CURB SHALL BE FLUSH AND FREE OF ABRUPT CHANGES IN HEIGHT.
6. NEW TYPE 'B' CURB - SEE DETAIL THIS SHEET.
7. PROVIDE TRAFFIC RATED CLEAN-OUT RISER TO GRADE. PROVIDE CLEAN-OUTS PER CURRENT UPC REQ'TS.
8. PROPOSED LOCATION OF WATER SERVICE. CONTRACTOR TO DETERMINE LINE SIZE.
9. PROPOSED SANITARY SEWER SERVICE. GC TO VERIFY LOCATION AND OBTAIN NECESSARY ON-SITE PERMITS.
10. APPROXIMATE LOCATION OF COLD WATER SERVICE TIE-IN (SEE MECHANICAL PLANS).
11. APPROXIMATE LOCATION OF SANITARY SEWER TIE-IN (SEE MECHANICAL PLANS).
12. GC TO CONFIRM LOCATION OF PROPOSED US POWER LINES AND ELECTRICAL SERVICE WITH POWER COMPANY.
13. ROAD DESIGN NOT PART OF THIS CONTRACT.
14. NEW SITE SIDEWALK TO BE 4" THICK CONCRETE (3,500 PSI, 4" SLUMP, 6% ENTRAINED AIR) WITH 6" x 6" WELDED WIRE MESH. CONCRETE TO BE PLACED OVER 6" MIN. LAYER OF 3/4" MINUS COMPACTED CRUSHED ROCK.
15. ALL STORM DRAIN PIPE TO BE 8" HDPE WITH 0.5% SLOPE U.N.O.
16. PROPOSED LOCATION OF ELECTRICAL TRANSFORMER
17. GRAVEL SURFACED RV PARKING
18. PROPOSED TREE AND SHRUB BORDER
19. PROPOSED LOCATION OF COFFEE KIOSK

HORIZONTAL CONTROL NOTES:

- 1. PAINT 4" YELLOW LINES ROTATED @ 45° SPACED 2' O.C. TYP.
- 2. PAINT WHITE HANDICAP SYMBOL IN PARKING SPACES AS SHOWN.
- 3. NEW 4" SOLID YELLOW STRIPING ROTATED @ 90° AS SHOWN.
- 4. PROVIDE HANDICAP PARKING SIGNS PER COB STDs.
- 5. ALL PAINT SHALL BE FAST DRYING "TRAFFIC LINE PAINT" CONFORMING TO ODOT STD. SPECS. ALL STRIPING SHALL BE APPLIED TWICE.
- 6. ALL STRIPING, SIGNS, LETTERS & ARROWS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS.

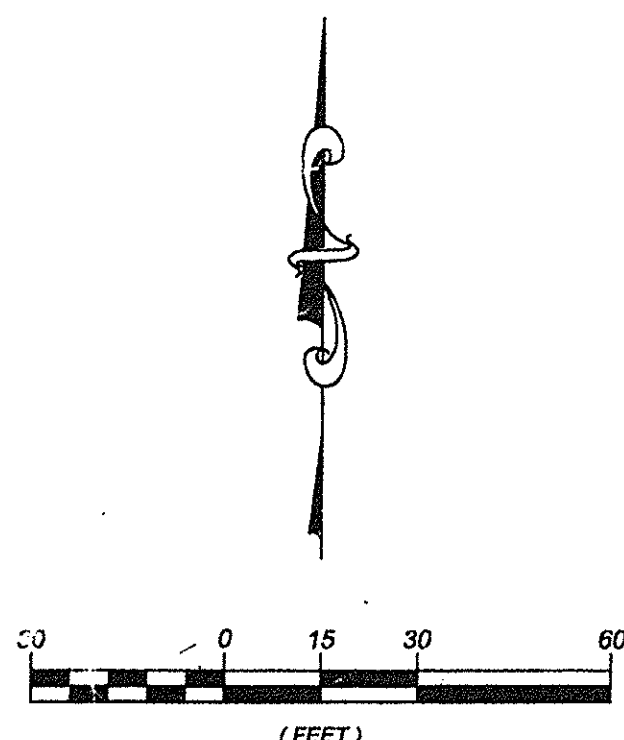
SITE GRADING, DRAINAGE, AND UTILITY PLAN

1" = 30'



**STORMWATER BASIN SIZING**  
 SITE IMPERVIOUS AREA = 60,500 SF  
 25-YR, 24-HR STORM = 2.3 INCHES  
 RUN-OFF VOLUME = 11,600 CF  
 BASIN VOLUME = 35' X 60' BOTTOM WITH 3:1 SIDE SLOPES, DEPTH = 4' = 12,220 CF, OK

THIS PLAN IS SUBMITTED FOR GRADING AND SITE DRAINAGE ONLY. UTILITIES SERVICES SHOWN ARE ONLY SCHEMATIC AND THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.



SITE PREPARATION NOTES:

**CLEARING AND GRUBBING**  
 REFER TO STRUCTURAL (FOUNDATION) PLANS FOR SPECIFIC SOIL EXCAVATION & BACKFILL REQ'TS WITHIN BUILDING FOOTPRINT.

ALL AREAS BELOW ROADWAYS, PARKING AND WALKWAYS SHALL BE CLEARED AND GRUBBED OF ALL PAVEMENT, FOREIGN MATTER, DEBRIS, ORGANIC AND DISTURBED MATERIAL, U.N.O. STRIPPING DEPTHS ACROSS THE SITE WILL VARY DEPENDING ON LOCATION AND PAVEMENT SECTION REQUIREMENTS. ALL EXPOSED MATERIAL SHALL BE MOISTURE CONDITIONED PRIOR TO PLACEMENT OF FILL MATERIAL DESCRIBED BELOW.

ALL CLEARED AND GRUBBED MATERIAL SHALL BE REMOVED FROM SITE. GC SHALL COORDINATE DISPOSAL LOCATION.

ALL AREAS WITH ABANDONED UTILITY LINES, STORM DRAINS, UNDERGROUND TANKS, ETC. WHICH PROVIDE VOID SPACE BENEATH THE SURFACE SHALL BE LOCATED AND REMOVED PRIOR TO SITE GRADING.

AFTER CLEARING THE ABOVE MENTIONED AREAS, ALL EXPOSED SUBGRADE SHALL BE PROOFROLLED WITH A LOADED DUMP TRUCK OR HEAVY NON-VIBRATORY ROLLER. SOILS SHALL BE REMOVED AND RECOMPACTED OR REPLACED WITH IMPORTED APPROVED STRUCTURAL FILL IF THEY DO NOT DEMONSTRATE A FIRM, UNYIELDING CONDITION. GEOTECHNICAL ENGINEER SHALL APPROVE SUB-GRADE SURFACE PRIOR TO STRUCTURAL FILL IMPORT EXPLAINED BELOW.

**STRUCTURAL FILL PLACEMENT & COMPACTION**  
 APPROVED STRUCTURAL FILL SHALL BE IMPORTED AND PLACED BENEATH AREAS RECEIVING ASPHALT AND/OR CONCRETE PAVEMENT.

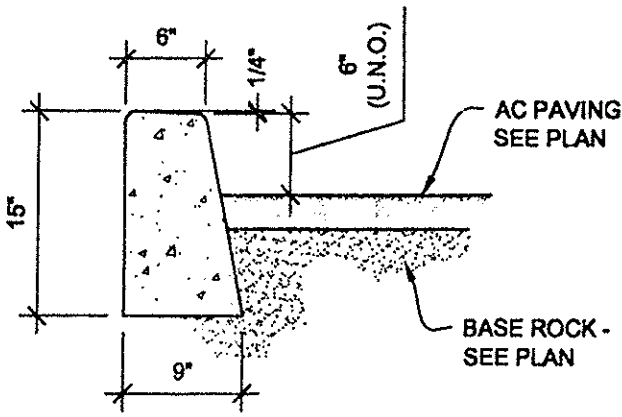
STRUCTURAL FILL SHALL BE APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO IMPORTING. ALL FILL SHALL BE FREE OF ORGANIC AND EXPANSIVE CLAY MATERIAL. ALL BASE ROCK IDENTIFIED ON CIVIL PLAN SET SHALL CONFORM TO THE SPECIFICATIONS IDENTIFIED IN THE GEOTECHNICAL REPORT.

PLACEMENT LIFTS TO BE DETERMINED BY GEOTECHNICAL ENGINEER BASED ON MATERIAL PROPERTIES OF STRUCTURAL FILL CHOSEN AND TYPE OF COMPACTION EQUIPMENT USED. BASE ROCK PLACEMENT LIFTS SHALL NOT EXCEED 6". EACH LIFT SHALL BE NEARLY EQUAL IN THICKNESS AND COMPACTION TO A MINIMUM OF 95% OF ASTM D1557. FILLS SHALL BE PLACED AT OR SLIGHTLY ABOVE THEIR OPTIMUM MOISTURE CONTENT.

ALL UTILITY TRENCH BACKFILL SHALL CONFORM WITH THE CROOK COUNTY PUBLIC WORKS DEPARTMENT STANDARDS.

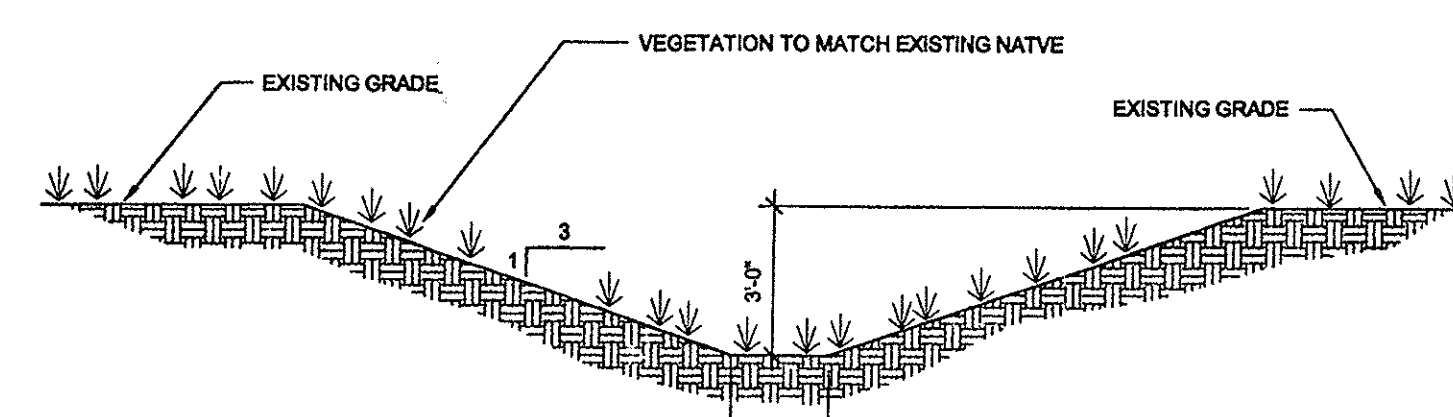
EROSION CONTROL NOTE:

G.C. SHALL IMPLEMENT AN EROSION CONTROL PLAN AS REQUIRED TO CONTAIN ALL SEDIMENT ON-SITE AND REMOVE ANY SEDIMENT THAT ENTERS THE Right-of-Way DURING THE COURSE OF CONSTRUCTION. SPECIAL ATTENTION SHALL BE TAKEN AT ALL EXISTING STORM DRAIN CATCH BASINS AND STORM DRAIN CHANNELS AS TO PREVENT ANY SEDIMENT TRANSFER INTO THE EXISTING STORM DRAIN SYSTEM. AN ALL WEATHER ROCK SURFACE SHALL BE PROVIDED AT ALL CONSTRUCTION SITE ENTRANCES. ALL CONSTRUCTION SHALL BE MAINTAINED WITHIN THE DEVELOPMENT LIMITS OF THIS PHASE.



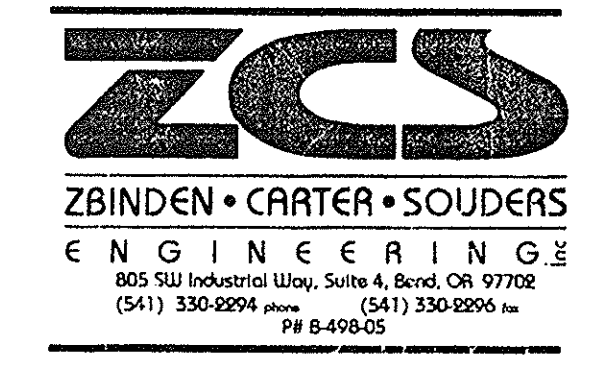
PROVIDE CONTRACTION JOINTS @ 10' o.c. & 3/8" ISOLATION JOINTS @ 30' o.c.

TYPE 'B' CURB  
N.T.S.



DRAINAGE SWALE DETAIL  
1/4" = 1'

Juniper Canyon Convenience Center  
 New Market & Convenience Center  
 Owner: Richard Bartels  
 Site Address: Juniper Canyon Rd., Prineville, Oregon



FOR INFORMATION ONLY