GENERAL SITE NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND BECOMING FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING.
2. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THAT NEW FEATURES TIE INTO EXISTING SITE DEVELOPMENT, PAVEMENT JOINTS MATCH CORRECTLY, AND THAT GENERAL DESIGN ELEVATIONS FOR NEW CONSTRUCTION PROVIDE PROPER PAVEMENT AND DRAINAGE SLOPES FROM EXISTING TIE IN POINTS. REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
3. IN AREAS WHERE ASPHALT PAVING IS BEING REWORKED, PROVIDE NEW PAINT STRIPING FOR ALL REVISED PAVING WORK AND PARKING STALLS. EXISTING STRIPING TO BE BLACKENED OUT IN RECONFIGURED AREAS AS REQUIRED.

DEMOLITION NOTES

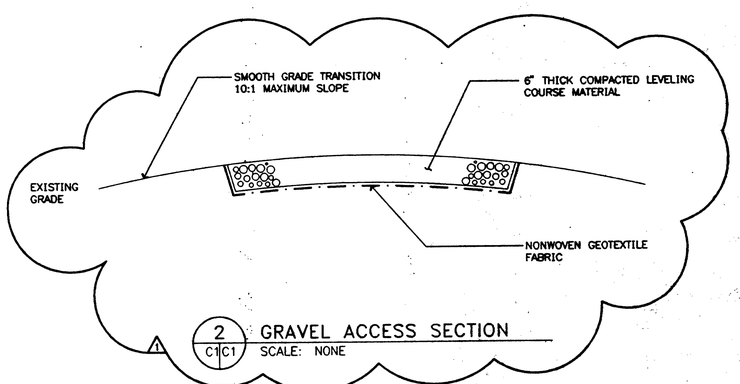
1. CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN PRIOR TO CONSTRUCTION OUTLINING ITEMS TO BE REMOVED.
2. ALL UTILITY LINES AND STRUCTURES SHOWN WITHIN THE LIMITS OF DEMOLITION SHALL BE REMOVED EXCEPT THOSE INDICATED AS "TO REMAIN". ALL LINES THAT ARE CUT AT LIMITS OF DEMOLITION OR POINTS OF DISCONNECTION WITHIN THE WORK AREA, ARE TO BE CAPPED OR PLUGGED.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY ACCESS DURING CONSTRUCTION. UTILITY OUTAGES AND ACCESS CLOSURES REQUIRE A MINIMUM OF 48 HOURS NOTICE TO OWNER OR SITE TENANTS.

CIVIL ABBREVIATIONS

AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CONCRETE PIPE
BLDG	BUILDING
BOT	BOTTOM OF TRENCH
BOC	BOTTOM OF CONCRETE
BOS	BOTTOM OF SUMP
CA	COMPRESSED AIR
CB	CATCH BASIN
CJ	CONSTRUCTION JOINT
CI	CURB INLET
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CND	CONDUIT
CO	CLEANOUT
CONC	CONCRETE
CR	CONDENSATE RETURN
DIA ø	DIAMETER
DIP	DUCTILE IRON PIPE
DS	DOWNSPOUTS
DW	DRYWELL
DWG	DRAWING
E	ELECTRICAL POWER
ELEV	ELEVATION
ELEC	ELECTRICAL
EXIST	EXISTING
FA	FIRE ALARM
FD	FOUNDATION DRAIN
FF	FINISH FLOOR
FH	FIRE HYDRANT
FW	FIRE WATER
G	GUTTER
GR	GRADE
GV	GATE VALVE
HB	HOSE BIBB
HH	HAND HOLE
HPG	HIGH PRESSURE GAS
HC	HANDICAPPED
HYD	HYDRANT
IE	INVERT ELEVATION
IRR	IRRIGATION
L	LENGTH
LP	LIGHT POLE
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OW	OIL/WATER SEPARATOR
PD	POLYDRAIN
PERF	PERFORATED STORM DRAIN
PIV	POST INDICTOR VALVE
POC	POINT OF CONNECTION
PP	POWER POLE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PW	POTABLE WATER
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RIM	RIM ELEVATION
RR	RAILROAD
S	SLOPE
SAN	SANITARY
SB	SPLASH BLOCK
SD	STORM DRAIN
SS	SANITARY SEWER
STM	STEAM
TB	THRUST BLOCK
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TEL	TELEPHONE
TOB	TOP OF BERM
TOC	TOP OF CONCRETE
TOG	TOP OF GRATE
TOP	TOP OF PIPE
TYP	TYPICAL
VCP	VITRIFIED CLAY PIPE
VT	VENT
VV	VALVE VAULT
WM	WATER METER
WTR	WATER
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER

CIVIL SYMBOLS

- CATCH BASIN
- MANHOLE
- DIRECTION OF FLOW
- HANDICAPPED RAMP
- HYDRANT
- WATER VALVE
- FENCING
- EROSION CONTROL FENCING
- THRUST BLOCK



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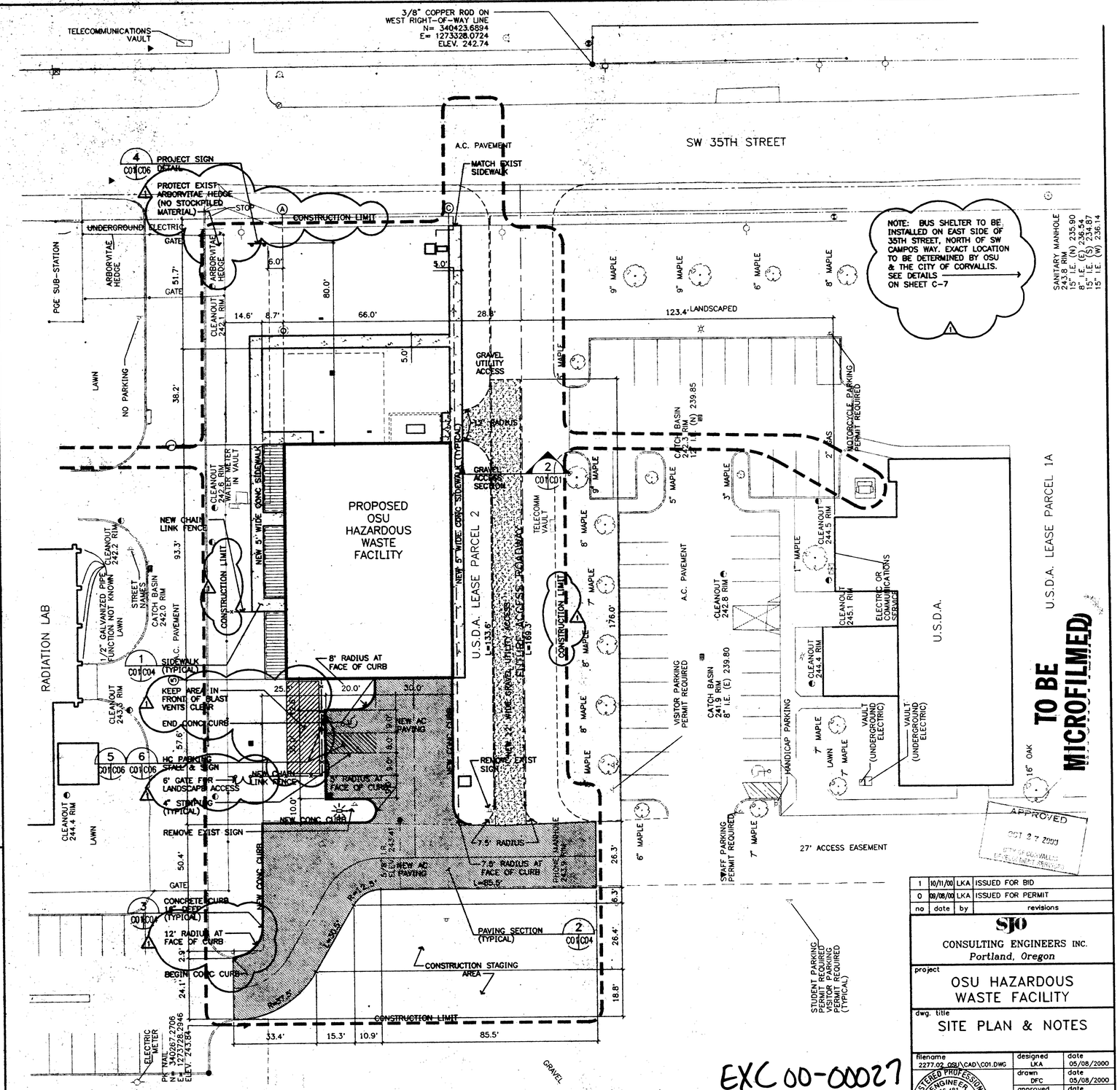

N

1 C1|C1 SITE PLAN
SCALE: 1" = 20'-0"

1" = 20'-0" 20' 0 20' 40' 60'

EXC 00-00027

TO BE MICROFILMED

no	date	by	revisions
1	10/11/00	LKA	ISSUED FOR BID
0	09/08/00	LKA	ISSUED FOR PERMIT

SJO
CONSULTING ENGINEERS INC.
Portland, Oregon

project
OSU HAZARDOUS WASTE FACILITY

dwg. title
SITE PLAN & NOTES

filename 2277.02 OSU\CAD\C01.DWG	designed LKA	date 05/08/2000
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	project no. 2277	02
	drawing no.	C-1

REGISTERED PROFESSIONAL ENGINEER 16,481 OREGON MAY 18, 1982 LUAY KHAMIS AL-JAMIL
12/31/01

PLOTTED: 10/12/2000-16:46

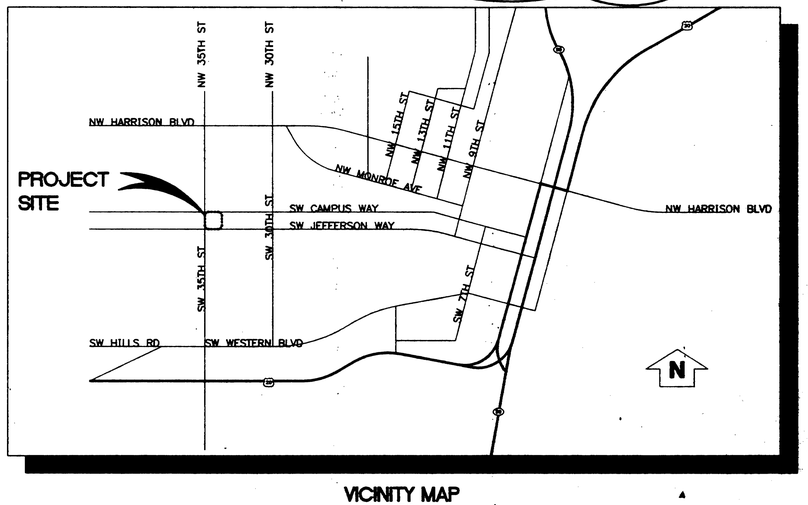
UTILITY NOTES

1. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM RECORD DRAWINGS AND INTERPOLATION OF PHYSICAL EVIDENCE ON THE SITE AND ARE SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR.
2. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION UNDER THIS SECTION OR ANY OTHER SECTION.
3. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, OR FITTING REQUIRED TO COMPLETE THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND WORKING SYSTEM.
4. CONTRACTOR SHALL COORDINATE A UTILITY LOCATE 48 HOURS PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION FOR LOCATION MARK-UP OF EXISTING UTILITIES. CONTRACTOR SHALL COORDINATE THE UTILITY LOCAL WITH MUNICIPALITY HAVING JURISDICTION FOR ALL UTILITY WORK WITHIN A PUBLIC RIGHT-OF-WAY. UTILITY LOCATE HOTLINE NUMBER IS 1-800-332-2344. 1
5. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, FEATURES, AND STRUCTURES LOCATED ON THE SITE. LOCATE, PROTECT, AND AVOID DISRUPTION OF ALL ABOVE AND BELOW GRADE UTILITIES DURING CONSTRUCTION.
6. ALL UTILITY CONSTRUCTION ON PRIVATE PROPERTY SHALL CONFORM TO THE LATEST EDITION OF THE UNIFORM PLUMBING CODE (UPC). ALL UTILITY CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE STANDARD REQUIREMENTS OF THE MUNICIPALITY HAVING JURISDICTION.
7. ALL BURIED LINES TO HAVE 3 FEET MINIMUM COVER UNLESS OTHERWISE NOTED. 1
8. CONNECTION OF DISSIMILAR GRAVITY PIPE MATERIALS ACCOMPLISHED WITH FERNCO FLEXIBLE COUPLINGS.
9. ALL UTILITY CONNECTIONS TO BE SHOWN ON BUILDING DRAWINGS. REFER TO BUILDING DRAWINGS FOR CONTINUATION OF UTILITY LINES INTO BUILDING.
10. THRUST BLOCKING REQUIRED ON ALL PRESSURE LINES BENDS AND FITTINGS. SEE STANDARD THRUST BLOCKING DETAIL.
11. INSTALL 1" AIR VALVES AT HIGH POINTS OF ALL PUBLIC WATER MAINS. SEE STANDARD DETAILS FOR MUNICIPALITY HAVING JURISDICTION. 1
12. SEE LANDSCAPE DRAWINGS FOR IRRIGATION LINES.
13. ALL EXISTING UTILITIES AND TIE-IN POINTS SHOULD BE CONSIDERED ACTIVE UTILITIES UNLESS OTHERWISE INDICATED.
14. CONFIRM FIRE HYDRANT TYPE, NOZZLE SIZES, AND THREAD CONFIGURATIONS WITH LOCAL MUNICIPALITY HAVING JURISDICTION PRIOR TO CONSTRUCTION.
15. CONFIRM ALL UTILITY VALVE VAULTS, VALVES, METERS, BACKFLOW PREVENTION ASSEMBLIES, AND OTHER PUBLIC UTILITY APPURTENANCES IN THE RIGHT-OF-WAY WITH THE MUNICIPALITY HAVING JURISDICTION.
16. CONTRACTOR TO VERIFY DOWNSPOUT ELEVATIONS WITH STRUCTURAL DRAWINGS.

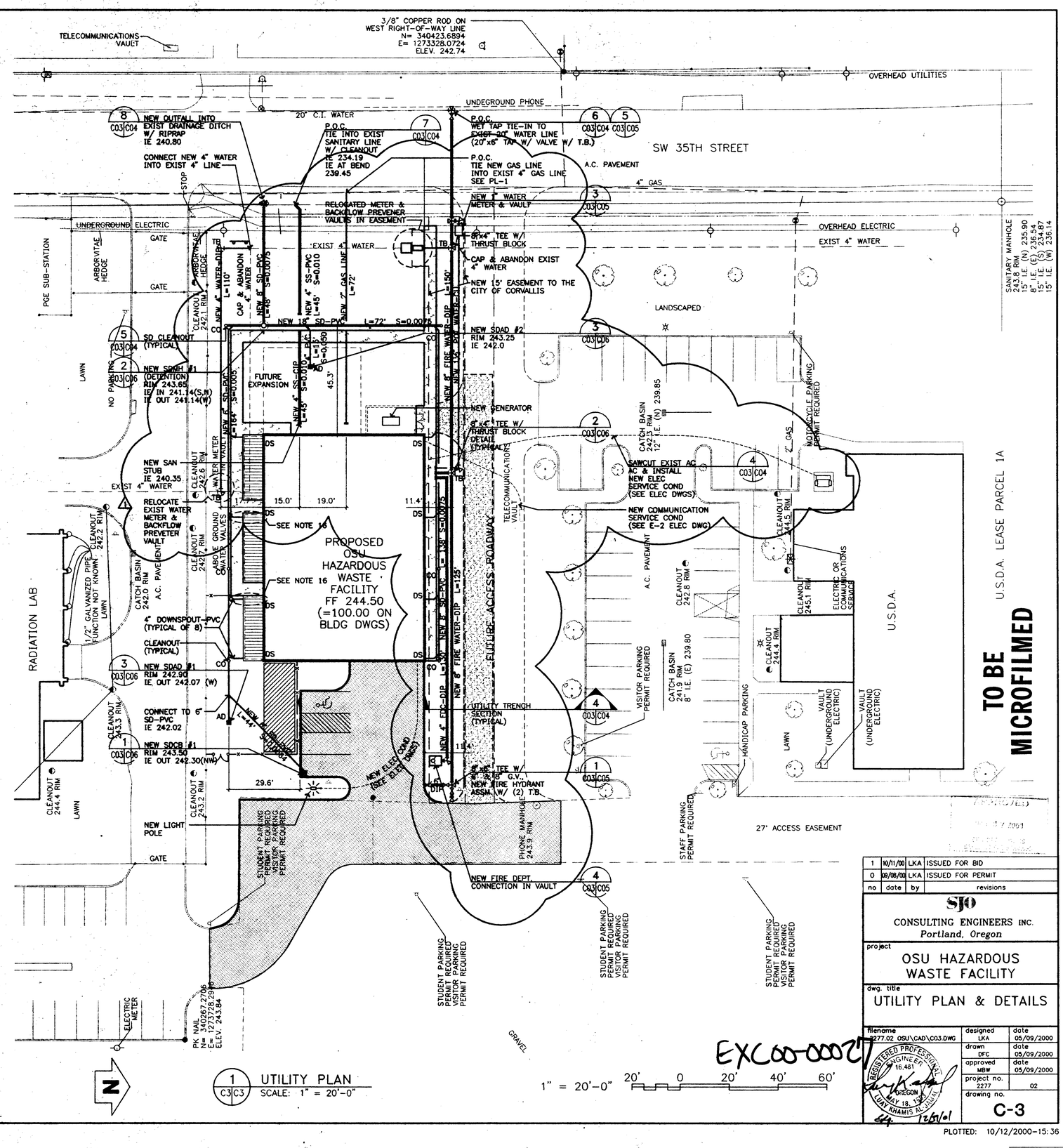
2. EXCAVATOR MUST COMPLY WITH ALL PROVISIONS OF ORS 757.541 TO 757.57 INCLUDING NOTIFICATION OF ALL PERTINENT COMPANIES OR AGENCIES OF UNDERGROUND UTILITIES IN THE PROJECT AREA AT LEAST 48 BUSINESS-DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS, SO THAT SAID UTILITIES MAY BE ACCURATELY LOCATED BEFORE COMMENCING ANY EXCAVATION. OREGON LAW REQUIRES COMPLIANCE WITH RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR952-001-0090. COPIES OF THESE RULES MAY BE OBTAINED BY CALLING (503) 232-1987.
3. HOT TAP SHALL BE PROVIDED BY CITY CREWS AT CONTRACTORS, EXPENSE. CONTRACTOR SHALL EXCAVATE FOR HOT TAP AND PROVIDE AND INSTALL ASSOCIATED SHORING, STAINLESS STEEL TAPPING SADDLE, AND GATE VALVE. NOTE THAT THE EXCAVATION FOR THE HOT TAP SHOULD BE 8-FEET LONG ON THE TAPPING SIDE OF THE MAIN, 4-FEET WIDE, 1-FOOT BEHIND THE MAIN, AND 1-FOOT BELOW THE MAIN. THE TAP SHALL BE LOCATED A MINIMUM OF 18 INCHES FROM ALL JOINTS AND APPURTENANCES. (THE CONTRACTOR NEEDS TO SUBMIT A TRAFFIC CONTROL PLAN TO THIS OFFICE FOR REVIEW AND APPROVAL A MINIMUM OF 48 HOURS IN ADVANCE OF THE TAP).
4. ALL VALVED SECTIONS OF PUBLIC WATERLINE MUST HAVE A CHLORINATION CORP OR SERVICE WITHIN THE SECTION TO ALLOW EACH VALVED SECTION TO BE TESTED SEPARATELY FOR PRESSURE AND LEAKAGE. A CHLORINATION CORP MUST BE LOCATED BETWEEN 18 INCHES AND 10 FEET OF THE NEW VALVE. 1
5. THRUST BLOCKING SHALL BE INSTALLED PER CITY STANDARD DETAIL NO. 301.
6. ACCEPTABLE FIRE HYDRANTS ARE: CLOW MEDALLION, KENNEDY K-81, MUELLER SUPER CENTURION, OR M & H REGENT 129. HYDRANTS SHALL BE PAINTED WITH "INTERNATIONAL ORANGE" PAINT (BENJAMIN MOORE).
7. ALL TAPPING SADDLES/SLEEVES SHALL BE FULL CIRCLE STAINLESS STEEL.
8. ANGLE STOP LOCATION VERIFICATION SHALL BE REQUIRED PRIOR TO ANY WATERLINE TESTING.
9. PER AWWA REQUIREMENTS, SAMPLES OF THE WATERLINE MUST BE TAKEN A MINIMUM OF EVERY 200 FEET, AT EVERY BRANCH, AND AT THE END OF THE LINE. ADDITIONAL SAMPLING CORPS OR SERVICES MAY BE REQUIRED.
10. ALL WATER SAMPLES SHALL BE OBTAINED AND PROCESSED BY CITY REPRESENTATIVES AT THE DEVELOPER'S COST. THE DEVELOPER SHALL BE BILLED UNDER THE FOLLOWING SCHEDULE: $64.40 FOR THE FIRST SAMPLE TAKEN ON A GIVEN DAY AND $33.35 FOR EACH SUBSEQUENT SAMPLE TAKEN THE SAME DAY.
11. ALL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY'S PUBLIC IMPROVEMENT BY PRIVATE CONTRACT PROCESS GUIDE AND PERMIT PACKET AS OUTLINED IN SECTION 1, STEP 4 (PAGES 8-14).
12. THE ENGINEER SHALL CERTIFY ALL TEST RESULTS AS REQUIRED FOR ALL PUBLIC INFRASTRUCTURE. THESE TEST RESULTS SHALL BE SUBMITTED TO THE CITY FOR REVIEW PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
13. THE ENGINEER SHALL STAMP AND SUBMIT AS-BUILT DRAWINGS FOR CITY REVIEW WITH THE REQUEST FOR A FINAL INSPECTION OF THE PROJECT. AS-BUILT DRAWINGS SHALL REFERENCE TWO STATE PLAN COORDINATES ON THE PLANS TO ALLOW INCORPORATION BY GIS INTO THE CITY DATABASE SYSTEM. AS-BUILT DRAWINGS SHALL BE REVIEWED WITH THE FINAL INSPECTION AND A FINAL COPY (REPRODUCIBLE, PRINT AND ELECTRONIC COPIES) SHALL BE SUBMITTED AND APPROVED PRIOR TO ACCEPTANCE OF THIS PROJECT AND INITIATION OF THE WARRANTY PERIOD.
14. ALL REQUIRED PUBLIC EASEMENTS AND/OR DEDICATIONS SHALL BE RECORDED, AND COPIES OF THE RECORDED DOCUMENTS SHALL BE SUBMITTED TO THE CITY, PRIOR TO THE FINAL ACCEPTANCE OF THIS PROJECT AND INITIATION OF THE WARRANTY PERIOD.

STANDARD CITY OF CORVALLIS NOTES

1. ALL CONSTRUCTION AND MATERIAL SHALL CONFORM TO CITY OF CORVALLIS STANDARD CONSTRUCTION SPECIFICATIONS, LATEST EDITION.



VICINITY MAP
N.T.S.



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1	10/11/00	LKA	ISSUED FOR BID
0	09/08/00	LKA	ISSUED FOR PERMIT

SJO
CONSULTING ENGINEERS INC.
Portland, Oregon

project
OSU HAZARDOUS WASTE FACILITY

dwg. title
UTILITY PLAN & DETAILS

filename	designed	date
2277.02 OSU\CAD\C03.DWG	LKA	05/09/2000
	drawn DFC	05/09/2000
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	project no. 2277	02
	drawing no.	C-3

REGISTERED PROFESSIONAL ENGINEER 16,481 OREGON MAY 18, 1979 LUAY KHAMIS AL-JANABI

12/5/01

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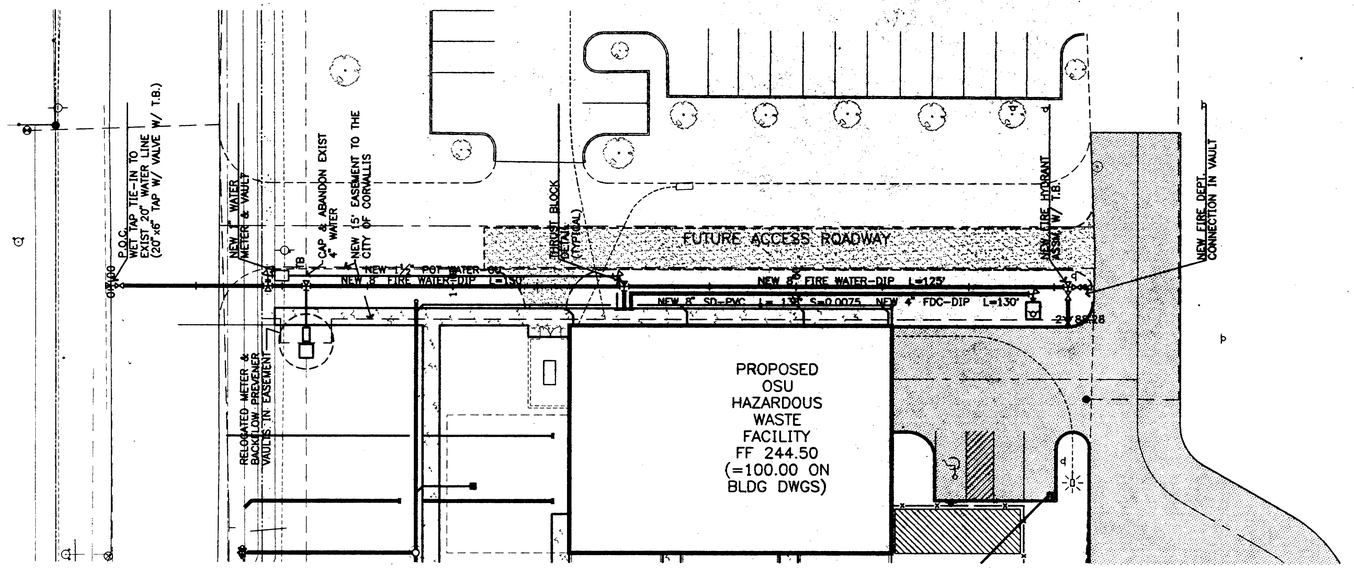
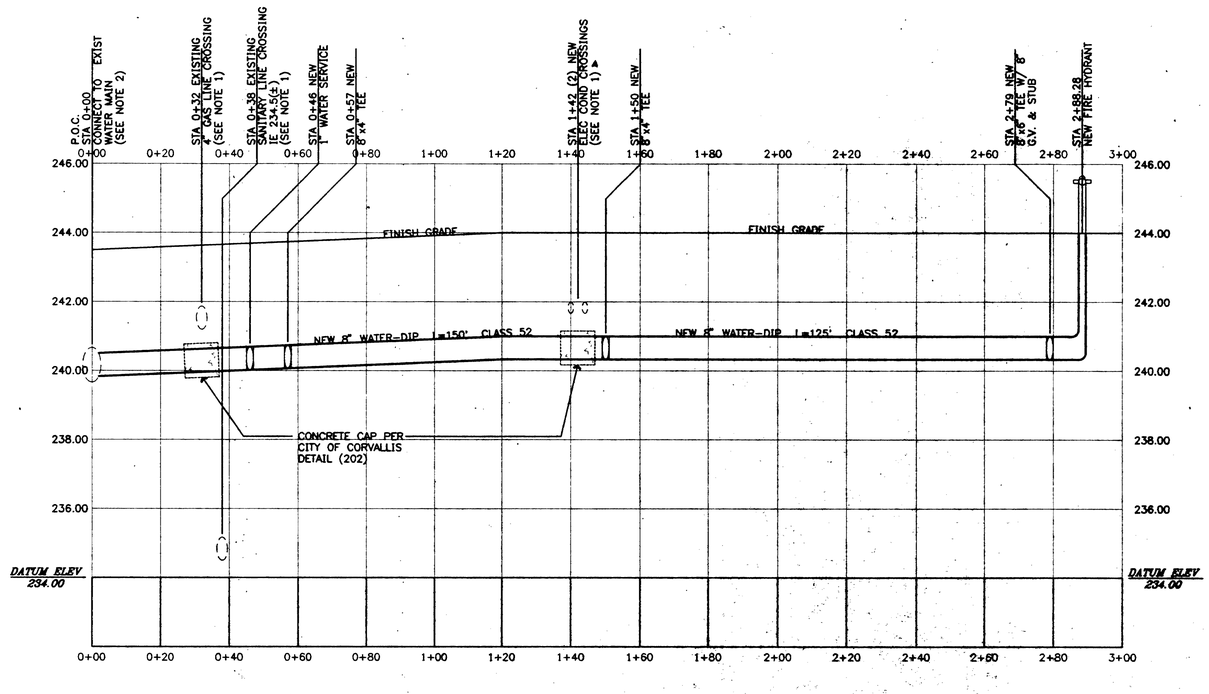


1 WATERLINE PLAN
C3A C3A SCALE: 1" = 20'-0"

1" = 20'-0" 20' 0 20' 40' 60'



2 WATERLINE PROFILE
C3A C3A SCALE: 1" = 20' HORZ 2' VERT.

NOTES:

1. MINIMUM OF 12" OF CLEARANCE IS REQUIRED BETWEEN WATERLINE AND OTHER UTILITIES.
2. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT ELEVATION OF WATER MAIN CONNECTIONS.
3. DEPTH OF COVER SHALL BE A MINIMUM OF 36" AND A MAXIMUM OF 42" FROM FINISH GRADE.

TO BE MICROFILMED

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no	date	by	revisions
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SJO
CONSULTING ENGINEERS INC.
Portland, Oregon

project
OSU HAZARDOUS WASTE FACILITY

dwg. title
WATERLINE PLAN & PROFILE

filename	designed	date
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REGISTERED PROFESSIONAL ENGINEER 16,481 OREGON MAY 18, 1993 LOAY KHAMIS AL-JAMAL 12/31/01

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