

North Eugene High School Softball Field

Addendum – 2

The following deletions and additions are hereby made a part of the Bidding and Project Documents, effective this date.

June 18, 2020

PROJECT MANUAL

1. SECTION 01 11 00 – SUMMARY OF WORK

A. Article 1.07, Paragraph 1, Change to read:

- “1. Synthetic Turf: Owner has contracted with a vender for purchase, delivery, and installation of the Synthetic Turf. Contractor is responsible for the following:
- a. Scheduling the timely delivery of synthetic turf to the project site with Owner's vendor.
 - b. Reviewing shop drawings, product data and samples and return them to Architect noting any discrepancies or problems in use of the product. Owner will arrange for submittals to be delivered to the Contractor for review.
 - c. Accepting and protecting material/vendor furnished items from damage during storage and handling including damage from elements.
 - d. Coordinating site access for Owner's vendor.
 - e. Providing support systems to Owner's vendor for the installation of their work, including plumbing, mechanical, and electrical connections as necessary.
 - f. Coordinating installation schedule of synthetic turf with Owner's vendor to allow all work to be carried out smoothly, without interfering with or delaying work under this contract.
 - g. Protecting Owner's vendor-furnished items from damage during storage and handling, including damage from exposure to the elements.
 - h. In the event that Owner's Vendor-furnished items are damaged as a result of General Contractor's operations, General Contractor shall repair or replace them.”

2. SECTION 01 23 00 – ALTERNATES

A. Article 3.01, Paragraph C.2, Change to read:

- “2. Alternate Bid Item: Delete press box specified in Section 13 34 18 and indicated on Drawings. Provide structural support, foundations, electrical power rough-in and storm drainage rough-in to accommodate future installation of press box. Provide decking and guardrails at deleted press box location.”

3. SECTION 11 68 53 – HIGH SCHOOL DISCUS CAGE

A. Article 2.2, Paragraph A: Delete Number 2 (Portable Model). Clarification: Discus cage to be in-place type.

4. SECTION 13 34 16 – GRANDSTANDS AND BLEACHERS

A. Article 1.01: Delete Paragraph B. Clarification: Vinyl seat covers are not required.

B. Article 1.06, Paragraph A, Clarification: Footings are delegated design. The Drawings are intended to show conceptual configurations only.

C. Article 2.03:

- i) Change paragraphs B and C to read as follows:

“B. Decking: Tongue and groove interlocking type, mill finish aluminum planks.

C: Nominal 2 x 10 inch plank, mill finish aluminum.”

ii) Add the following:

“G. Risers: Closed deck design, anodized aluminum”

5. SECTION 32 31 13 – CHAIN LINK FENCES AND GATES

A. Clarification: Chain link fences and gates are delegated design. Foundations indicated on Drawings are intended to indicate minimum sizes for components and foundations.

6. SECTION 33 11 00 – WATER UTILITY DISTRIBUTION PIPING

A. Article 2.2:

i) Add paragraphs D and E as follows:

“D. Hard Copper Tube: ASTM B 88, Type K and ASTM B 88, Type L, water tube, drawn temper.

1. Copper, Solder-Joint Fittings: ASME B16.18, cast-copper-alloy or ASME B16.22, wrought-copper, solder-joint pressure type. Furnish only wrought-copper fittings if indicated.

E. PVC Schedule 40 Pipe: ASTM D 1785.

2. PVC, Schedule 40 Socket Fittings: ASTM D 2466.”

B. Article 3.2:

i) Add paragraph H as follows:

“H. Underground water-service piping NPS 3/4 to NPS 3 shall be:

1. Soft copper tube, ASTM B 88, Type K or ASTM B 88, Type L; wrought-copper, solder-joint fittings; and brazed joints.

2. PVC, Schedule 40 socket fitting; and solvent-cemented joints.”

DRAWINGS

2. DRAWING SHEET A201

A. South Elevation, A4; Clarification: There are two exhaust louvers on the southern end of the building. The note “Exhaust Louver” has one arrow pointing to a section of CMU wall. There should be two arrows, one pointing to Louver No. 6 and one to Louver No. 7.

3. DRAWING SHEET A601 (Issued with Addendum No. 1)

A. Door and Frame Schedule, Door No. 111D: Change Door Type from “G” to “H”.

4. DRAWING SHEET C101

A. Drawing Sheet C101: Replace with updated Drawing Sheet C101 attached to this Addendum. Clarification:

i) Added note for security fencing. Contractor to include site security fencing

around perimeter of project site.

5. DRAWING SHEET C200

- A. Drawing Sheet C200: Replace with updated Drawing Sheet C200 attached to this Addendum. Clarifications:
- i) Revised the sheet note for scoreboard. Scoreboard footings and structure of the scoreboard to be bidder designed in coordination with manufacturer.
 - ii) Added a mow strip between bull pen and playing field to match Architectural.
 - iii) Deleted thickened concrete edge callouts at bleachers. Footing to be provided at backstop per Architectural bleacher section A6/A401.
 - iv) Added hatch for 2" concrete rat slab under bleachers.

6. DRAWING SHEET C400

- A. Drawing Sheet C400: Replace with updated Drawing Sheet C400 attached to this Addendum. Clarifications:
- i) Added a mow strip between bull pen and playing field to match Architectural. Grading notes have been updated.
 - ii) Deleted thickened concrete edge callouts at bleachers. Footing to be provided at backstop per Architectural bleacher section A6/A401.

7. DRAWING SHEET C500

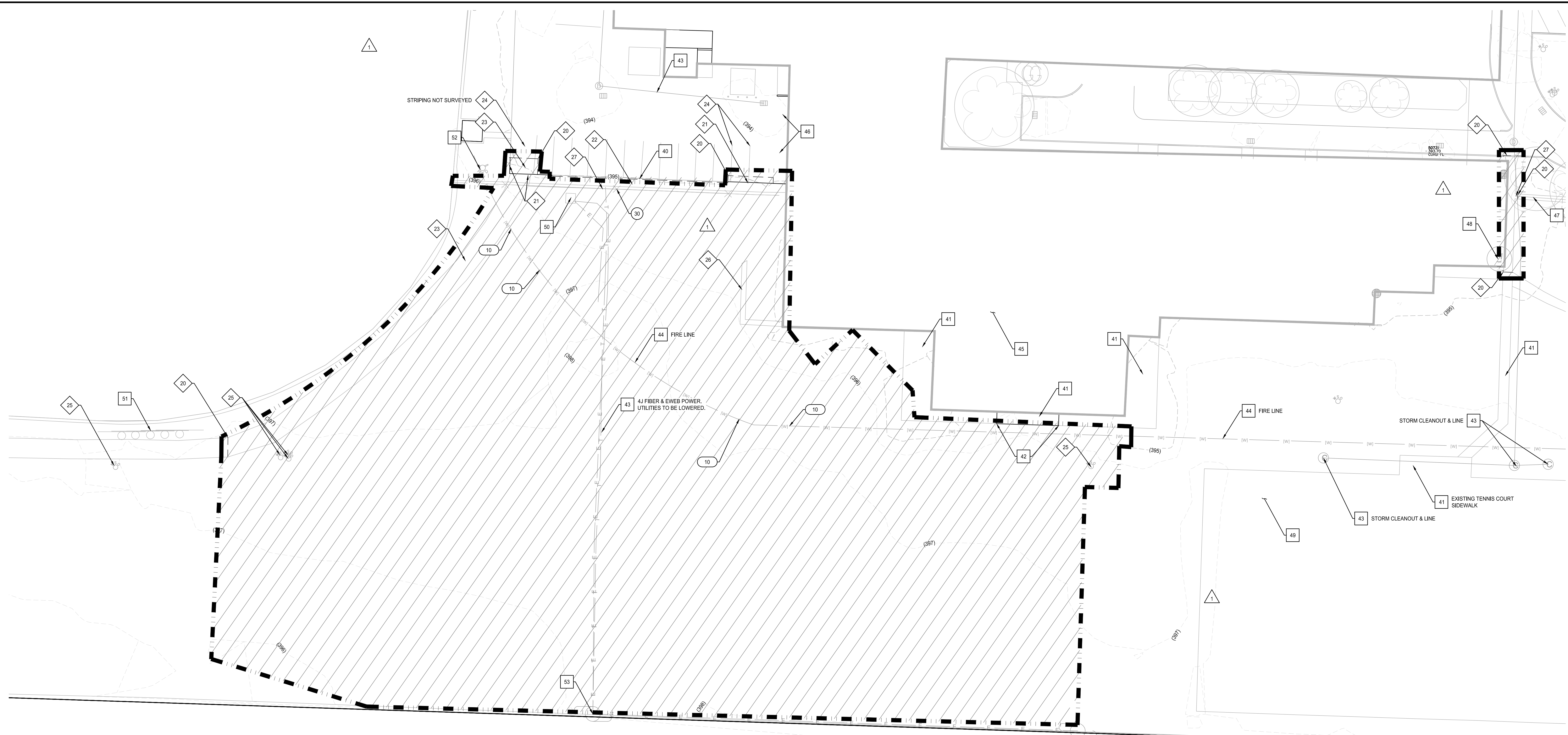
- A. Drawing Sheet C500: Replace with updated Drawing Sheet C500 attached to this Addendum. Clarification:
- i) Revised note for proposed conduit. Conduit is to be contractor installed. Fiber is to be pulled by contractor in coordination with 4J. EWEB to install new power service and contractor to coordinate.

SUPPLEMENTAL INFORMATION

Record drawings for the water and sewer connections within the existing North Eugene High School building.

APPROVALS

SECTION	ITEM	MANUFACTURERS/PRODUCTS
13 34 16	Grandstand	Bleachers International
26 50 00	Light Fixture Type L1	Day-Brite
26 50 00	Light Fixture Type L1 EM	Day-Brite
26 50 00	Light Fixture Type L3	Lightolier
26 50 00	Light Fixture Type L4	PA-CO Lgt
26 50 00	Light Fixture Type L5 EM	Legion
26 50 00	Light Fixture Type X1	Evenlite
26 50 00	Light Fixture Type X2	Evenlite



SHEET NOTES

- CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
 - REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
 - GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR.
 - ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
 - THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
 - PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL CONDITION.
 - PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
 - SAWCUT STRAIGHT LINES IN SIDEWALK, AS NECESSARY.
 - CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD, AND DURING TRANSPORTATION OF DEMOLITION.
- DEBRIS, ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE KEPT CLEAN.
10. THE CITY OF EUGENE DEMOLITION PERMIT REQUIRES THE FOLLOWING INFORMATION, TO BE PROVIDED BY THE CONTRACTOR:
- ANTICIPATED TIME FRAME FOR THE DEMOLITION
 - DETAILS OF PEDESTRIAN PROTECTION, WHERE REQUIRED. REFER TO OREGON STRUCTURAL SPECIALTY CODE SECTION 3308.
 - DESCRIPTION OF HOW THE SITE WILL BE SECURED AGAINST ACCESSIBILITY BY CHILDREN AND OTHER UNAUTHORIZED PERSONS.
 - DESCRIPTION OF HOW WIND SPEED WILL BE MONITORED AT THE SITE DURING DEMOLITION, AND DEMOLITION OR MOVING OF DEMOLITION DEBRIS MAY TAKE PLACE WHEN WIND SPEEDS EXCEED 25 M.P.H.)
 - DESCRIPTION OF HOW DEMOLITION OPERATIONS WILL BE CONDUCTED AND HOW DEBRIS, OBJECTS AND MATERIALS WILL BE WETTED DOWN OR OTHERWISE TREATED TO PREVENT DUST OR OTHER AIRBORNE DEBRIS.
 - DESCRIPTION OF THE MEANS AND METHODS FOR PROTECTION OF ANY ADJACENT OR NEIGHBORING STRUCTURES.
11. CONTRACTOR TO PROVIDE SITE SECURITY FENCING AROUND SITE DURING CONSTRUCTION ACTIVITIES.

PROTECTION KEY NOTES

- X PROTECT CURB
- 41 PROTECT SIDEWALK
- 42 PROTECT EXISTING DOWNSPOUTS
- 43 PROTECT UNDERGROUND UTILITIES.
- 44 UTILITY NOT-SURVEYED, PROTECT UNDERGROUND UTILITY. POTHOLE UTILITY WHERE NOTED.
- 45 PROTECT EXISTING BUILDING AND FACILITIES.
- 46 PROTECT EXISTING SIDEWALK NOT DOCUMENTED IN SURVEY. SURVEY AND PROVIDE FINDINGS TO KPFF.
- 47 PROTECT FENCE AND MOW STRIP.
- 48 PROTECT GAS METER AND LINE.
- 49 PROTECT TENNIS COURTS.
- 50 PROTECT VAULT, VAULT TO BE RELOCATED 3' NORTH AND ADJUSTED TO FINISHED GRADE.
- 51 PROTECT SCOREBOARD, FOUNDATION, AND POWER SUPPLY.
- 52 PROTECT FIRE HYDRANT.
- 53 PROTECT UTILITY POLE AND GUY ANCHORS.

POTHOLE KEY NOTES

- X POT HOLE EXISTING UTILITY DURING SITE CLEARING WHERE SHOWN. LOCATION SHOWN ON PLANS IS APPROXIMATE, USE LOCATOR, REPORT FINDINGS TO KPFF.

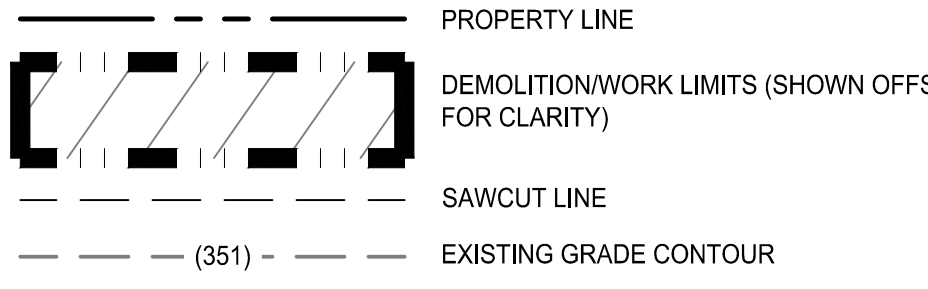
DEMOLITION KEY NOTES

- 20 SAWCUT LINE
- 21 REMOVE CONCRETE CURB.
- 22 REMOVE CONCRETE SIDEWALK
- 23 REMOVE ASPHALT PAVEMENT.
- 24 REMOVE PARKING STRIPE.
- 25 REMOVE AND REPLACE IRRIGATION. SEE LANDSCAPE PLANS FOR PROPOSED IRRIGATION PLAN.
- 26 REMOVE CONCRETE PAD.
- 27 REMOVE FENCE.

SALVAGE KEY NOTES

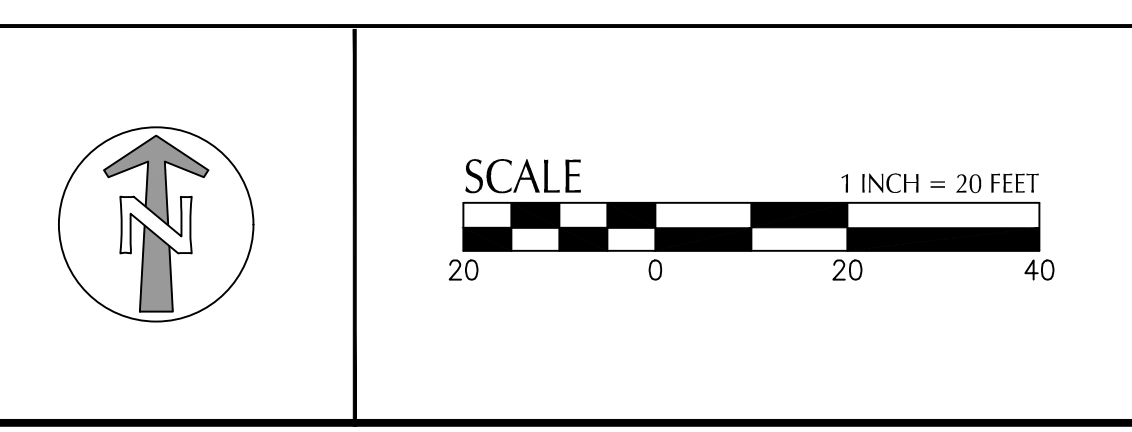
- X SALVAGE SIGN AND STORE IN LOCATION AS DIRECTED BY OWNER.

SHEET LEGEND



File: C:\p\2019\1900430-HERS-Softball\CAD\LOT1900430-01DM.dwg TAB: C101
Plot: 6/18/20 11:46pm By: thood

REVISION	DATE	DESCRIPTION	BY	REVISION	DATE	DESCRIPTION	BY	REVISION	DATE	DESCRIPTION	BY
1	06/12/2020	ADD-1	TH								
2	06/18/2020	ADD-2	TH								



800 Williams Street, Suite 400
Eugene, OR 97401
O: 541.684.4902
F: 541.684.4909
www.kpff.com

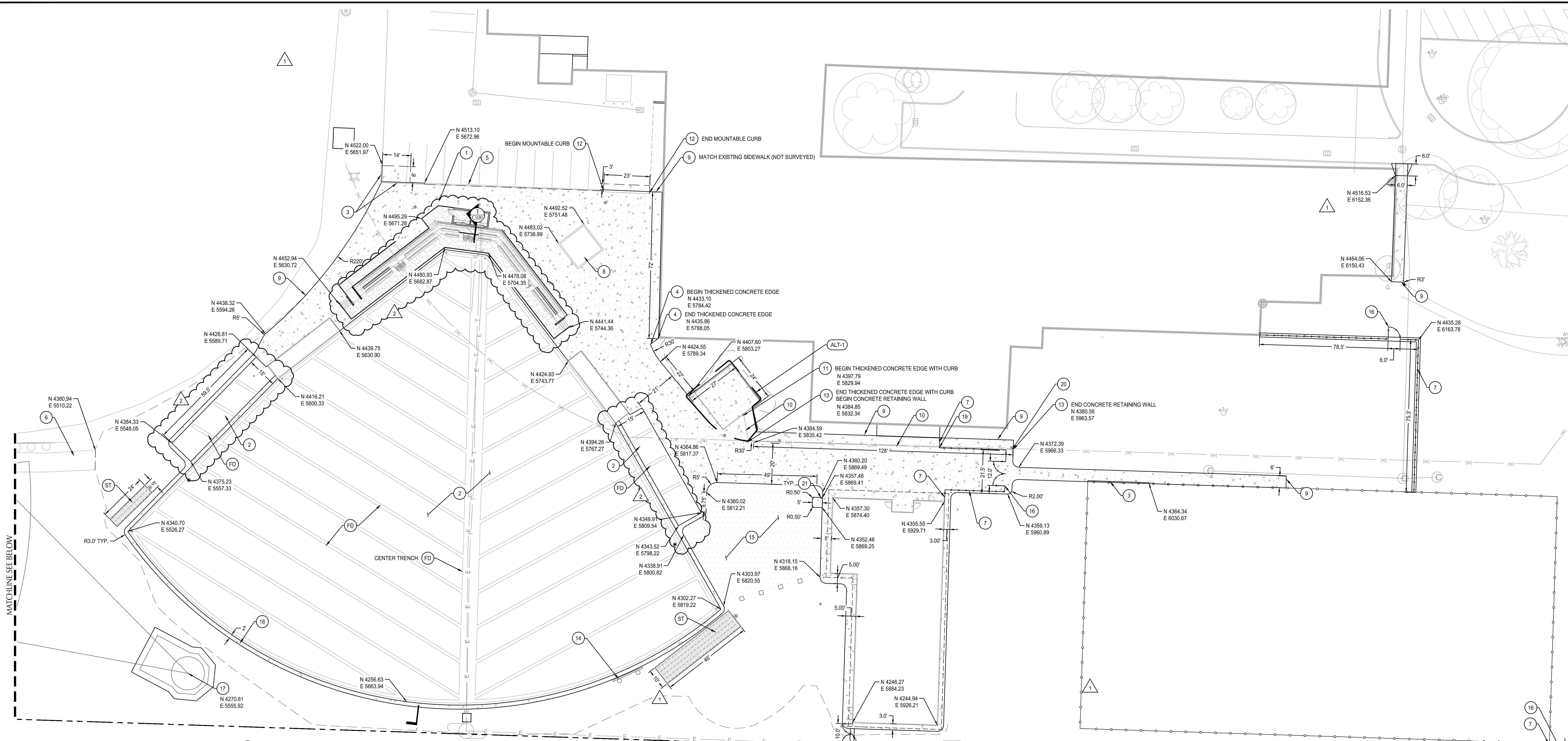
JOB No.:	1900430
DESIGNED BY:	AB/TH
DRAWN BY:	AB/TH
CHECKED BY:	AB/MBK
PLOT DATE:	6/18/20 1:48pm
PLOTTED BY:	thood
DWG NAME:	1900430-01DM.dwg
TAB NAME:	C101

BID SET - 06/01/2020

NORTH EUGENE HIGH SCHOOL
SOFTBALL FIELD
200 SILVER LANE, EUGENE, OR 97404

DEMOLITION PLAN

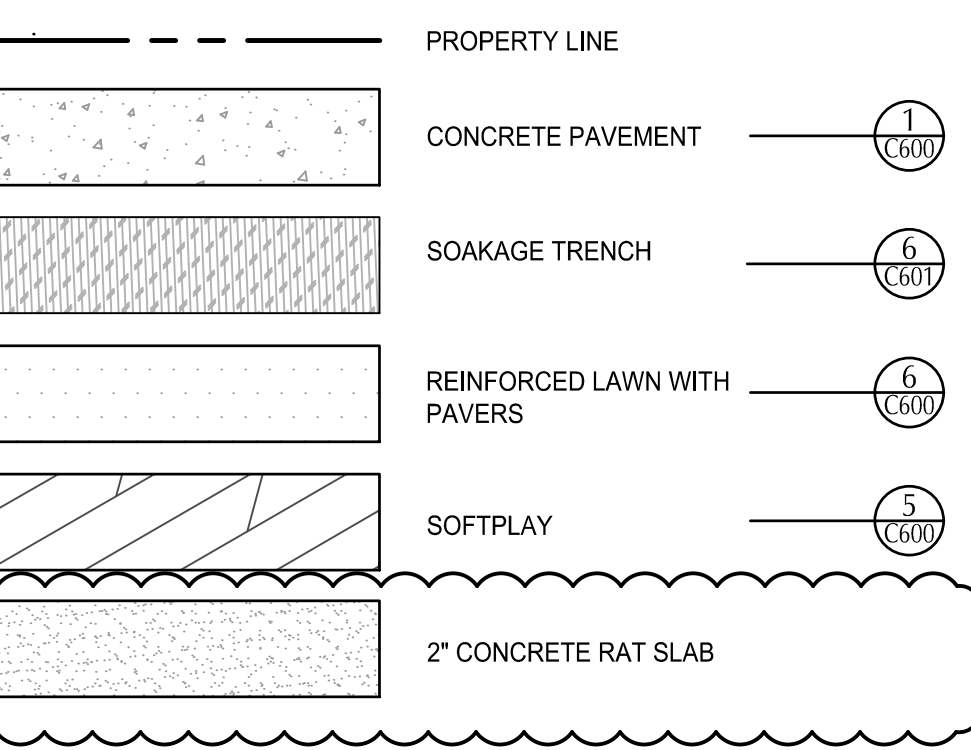
SHEET NO.
C101



SHEET NOTES

- SEE SHEET G003 FOR SITE CONTROL
- ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG).
- RADIUS AT CORNERS TO BE 3' U.N.O.

SHEET LEGEND



ALTERNATES

(ALT-1) ADD ALTERNATE 1 TO INCLUDE SHADE STRUCTURE, SHADE STRUCTURE PAVEMENT, AND STORM PIPES THAT SERVE SHADE STRUCTURE DOWNSPOUTS.

KEY NOTES

NOTE	DESCRIPTION	DETAIL REF.
1	ADJUST EXISTING VAULT. SEE UTILITY PLANS.	
2	SYNTHETIC TURF FIELD. SEE LANDSCAPE PLANS FOR TURF DETAIL AND SECTION.	
3	CURB	11/C601
4	THICKENED CONCRETE EDGE	3/C600
5	PROTECT EXISTING CURB.	
6	PROTECT EXISTING ASPHALT	
7	FENCE	
8	SEAT WALL AND PLINTH. SEE LANDSCAPE PLANS.	
9	MATCH EXISTING	
10	CURB & RETAINING WALL JOINTING	1A/L200
11	THICKENED CONCRETE EDGE WITH CURB	4/C600
12	MOUNTABLE CURB	9/C600
13	CONCRETE RETAINING WALL	7/C600
14	SCOREBOARD TO BE BA-2022 WITH ID PANEL LOGO ACCENT BY DAKTRONICS OR APPROVED EQUAL. COLORS AND NAMING TO BE CONFIRMED BY CONTRACTOR WITH SUBMITTALS AND SHOP DRAWINGS AT START OF CONSTRUCTION. FOOTINGS AND STRUCTURE TO BE CONTRACTOR/MANUFACTURER DESIGNED.	
15	REINFORCED LAWN WITH PAVERS	6/C600
16	FENCE GATE	
17	HIGH SCHOOL DISCUS CAGE AND CIRCLE BY AAE SPORTS OR APPROVED EQUAL	10/C600
18	CONCRETE EDGE	8/C600
19	FENCE TRANSITION	11/C600
20	CURB SPILLWAY	6/C600
21	BOLLARD	
22	FRENCH DRAIN	12/C601
FD	FIELD DRAINAGE TRENCH	7/C601
ST	SOAKAGE TRENCH	6/C601

File: C:\p\2019\1900430-NEHS-Softball\CAD\PL01\1900430-02HC.dwg TAB: C200
 Plotter: 07/17/20 11:46pm By: thood

REVISION	DATE	DESCRIPTION	BY	REVISION	DATE	DESCRIPTION	BY
1	06/12/2020	ADD-1	TH				
2	06/18/2020	ADD-2	TH				

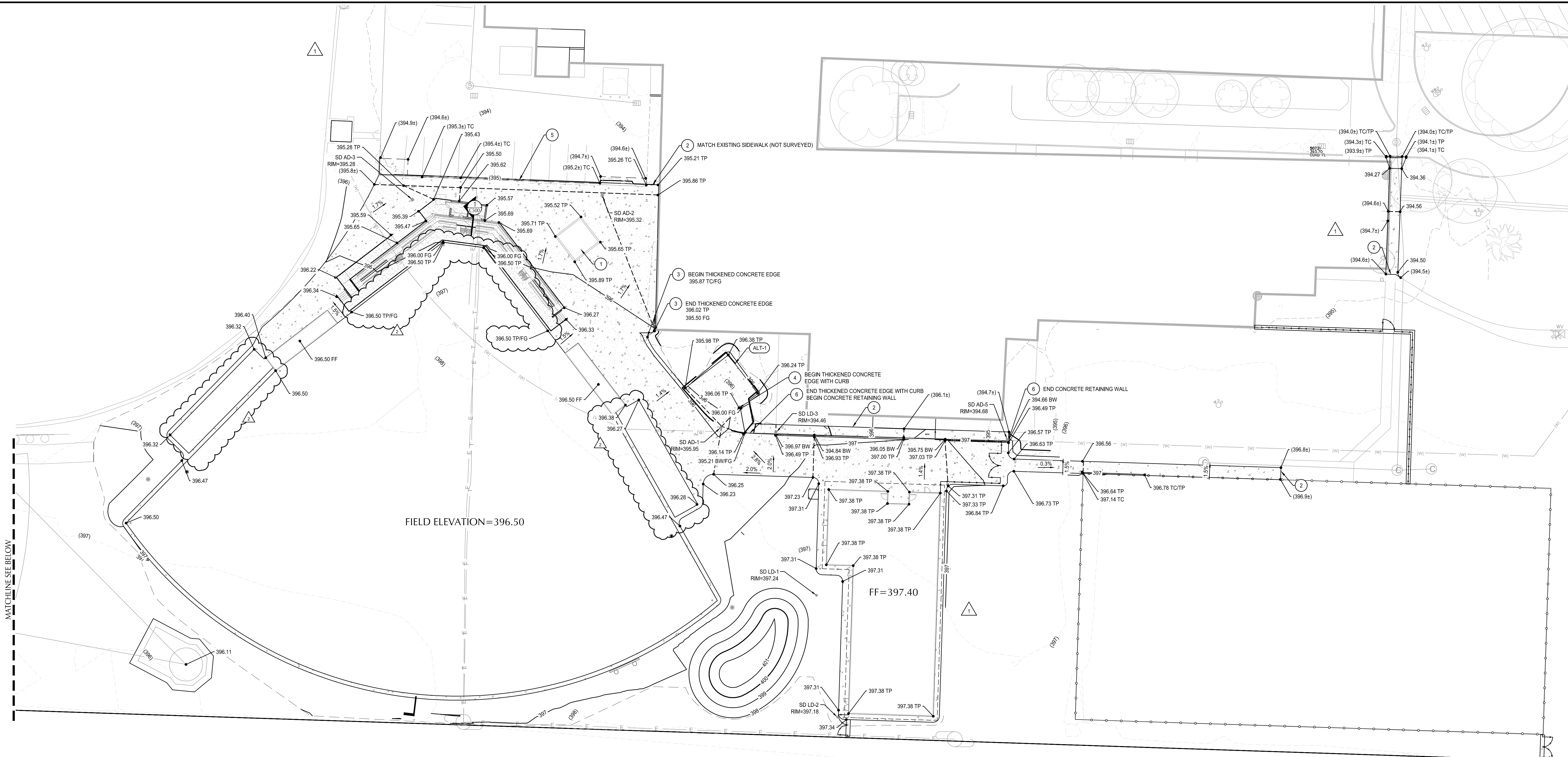


JOB No.:	1900430
DESIGNED BY:	AB/TH
DRAWN BY:	AB/TH
CHECKED BY:	AB/TK
PL0T DATE:	6/18/20 1:48pm
PL0TTER BY:	thood
DWG NAME:	1900430-02HC.dwg
TAB NAME:	C200

BID SET - 06/01/2020
 NORTH EUGENE HIGH SCHOOL
 SOFTBALL FIELD
 200 SILVER LANE, EUGENE, OR 97404
HORIZONTAL CONTROL & PAVING PLAN

C200

SHEET NO.



SHEET NOTES

- SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.
- LANDINGS ON ACCESSIBLE ROUTES SHALL NOT EXCEED 2% IN ANY DIRECTION.
- ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG).

KEY NOTES

NOTE	DESCRIPTION	DETAIL REF.
1	SEAT WALL AND PLINTH. SEE LANDSCAPE PLANS.	
2	MATCH EXISTING	
3	THICKENED CONCRETE EDGE	3/C600
4	THICKENED CONCRETE EDGE WITH CURB	13/C600
5	MATCH EXISTING CURB	
6	CONCRETE RETAINING WALL	7/C600

GRADING LABEL LEGEND

CALLOUT	DESCRIPTION
X.X%	GRADING SLOPE AND DIRECTION (DOWNHILL)
XXX.XX	SPOT ELEVATION DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG
XXXX XX	BW EG FF FG FL G RIM TC TG TP TW
(XXX.Xs)	EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

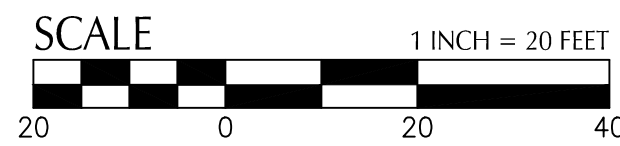
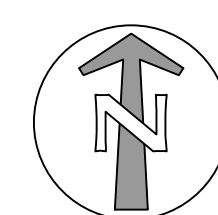
	DRAINAGE FLOW DIRECTION
	PROPERTY LINE
	GRADE BREAK
(49)	EX. CONTOUR MINOR
(50)	EX. CONTOUR MAJOR
49	CONTOUR MINOR (FG)
50	CONTOUR MAJOR (FG)
	LIMITS OF GRADING

ALTERNATES

(ALT-1) ADD ALTERNATE 1 TO INCLUDE SHADE STRUCTURE, SHADE STRUCTURE PAVEMENT, AND STORM PIPES THAT SERVE SHADE STRUCTURE DOWNPOUTS.

File: C:\p\2019\1900430-NEHS-Softball\CAD\LOT1\1900430-03GD.dwg TAB: C300
 Plotter: 6/18/20 11:49pm By: thood

REVISION	DATE	DESCRIPTION	BY	REVISION	DATE	DESCRIPTION	BY
1	06/12/2020	ADD-1	TH				
2	06/18/2020	ADD-2	TH				



JOB No.:	1900430
DESIGNED BY:	AB/TH
DRAWN BY:	AB/TH
CHECKED BY:	AB/MK
PLOT DATE:	6/18/20 1:49pm
PLOTTED BY:	thood
DWG NAME:	1900430-03GD.dwg
TAB NAME:	C300

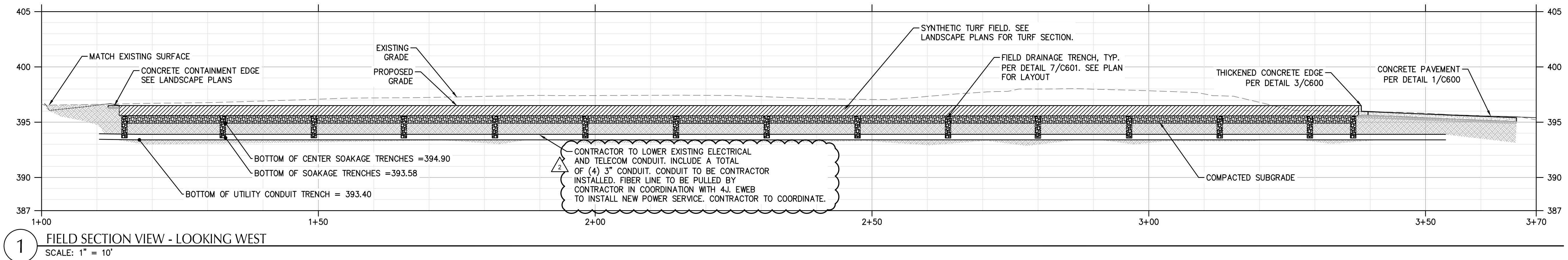
BID SET - 06/01/2020

NORTH EUGENE HIGH SCHOOL
SOFTBALL FIELD
200 SILVER LANE, EUGENE, OR 97404

GRADING PLAN

SHEET NO.

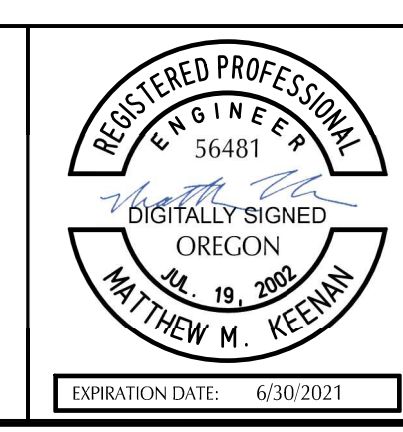
C300



1 FIELD SECTION VIEW - LOOKING WEST
SCALE: 1" = 10'

File: C:\p\19\2019\1900430-NERHS-Softball\CAD\PL01\1900430-05SS.dwg TAB: C500
 Plot: 6/18/20 11:49pm By: thood

REVISION	DATE	DESCRIPTION	BY	REVISION	DATE	DESCRIPTION	BY
2	06/18/2020	ADD-2	TH				



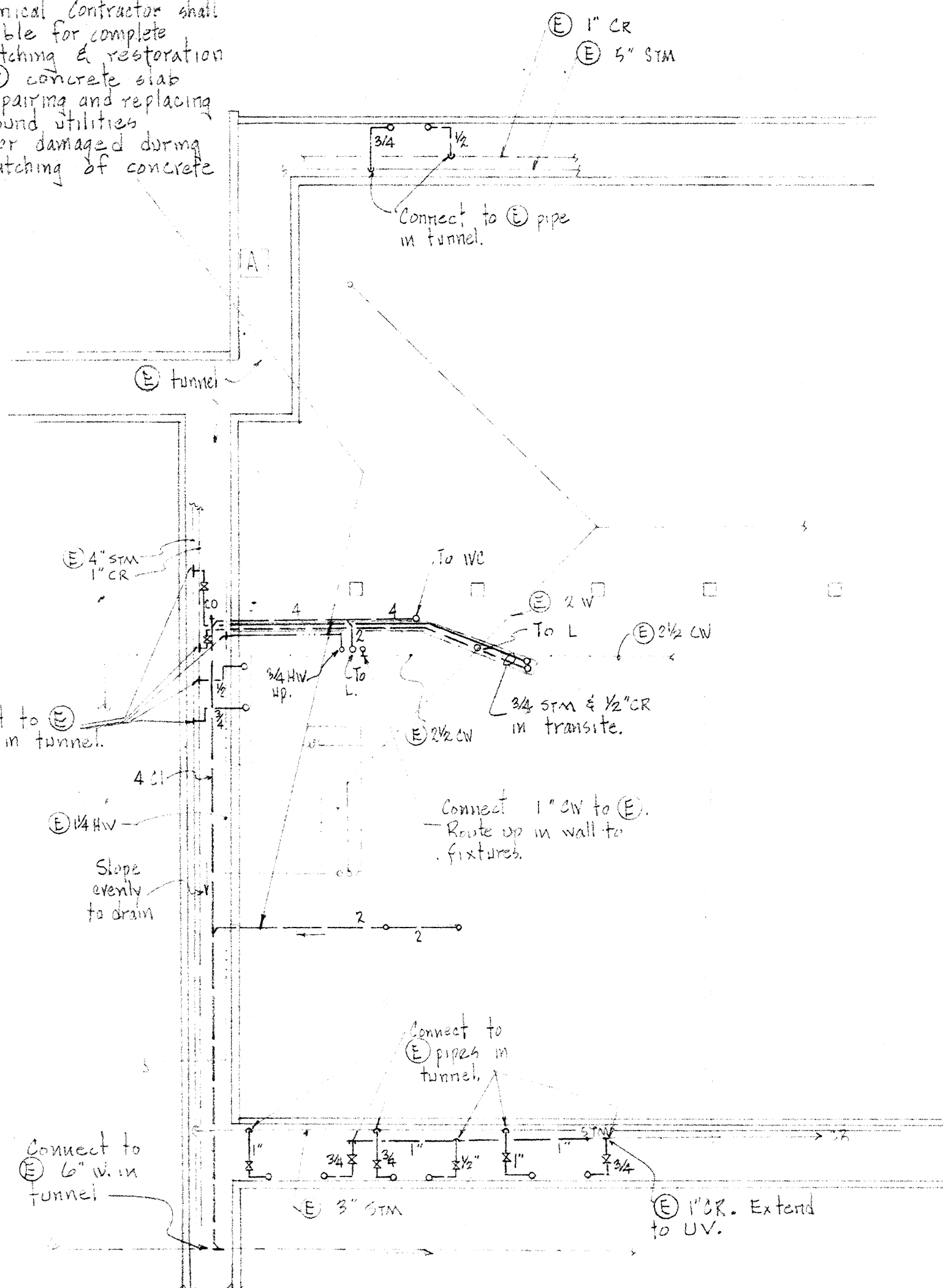
JOB No.:	1900430
DESIGNED BY:	AB/TH
DRAWN BY:	AB/TH
CHECKED BY:	AB/MK
PLOT DATE:	6/18/20 1:49pm
PLOTTED BY:	thood
DWG NAME:	1900430-05SS.dwg
TAB NAME:	C500

BID SET - 06/01/2020	
NORTH EUGENE HIGH SCHOOL SOFTBALL FIELD 200 SILVER LANE, EUGENE, OR 97404	
SITE SECTIONS	

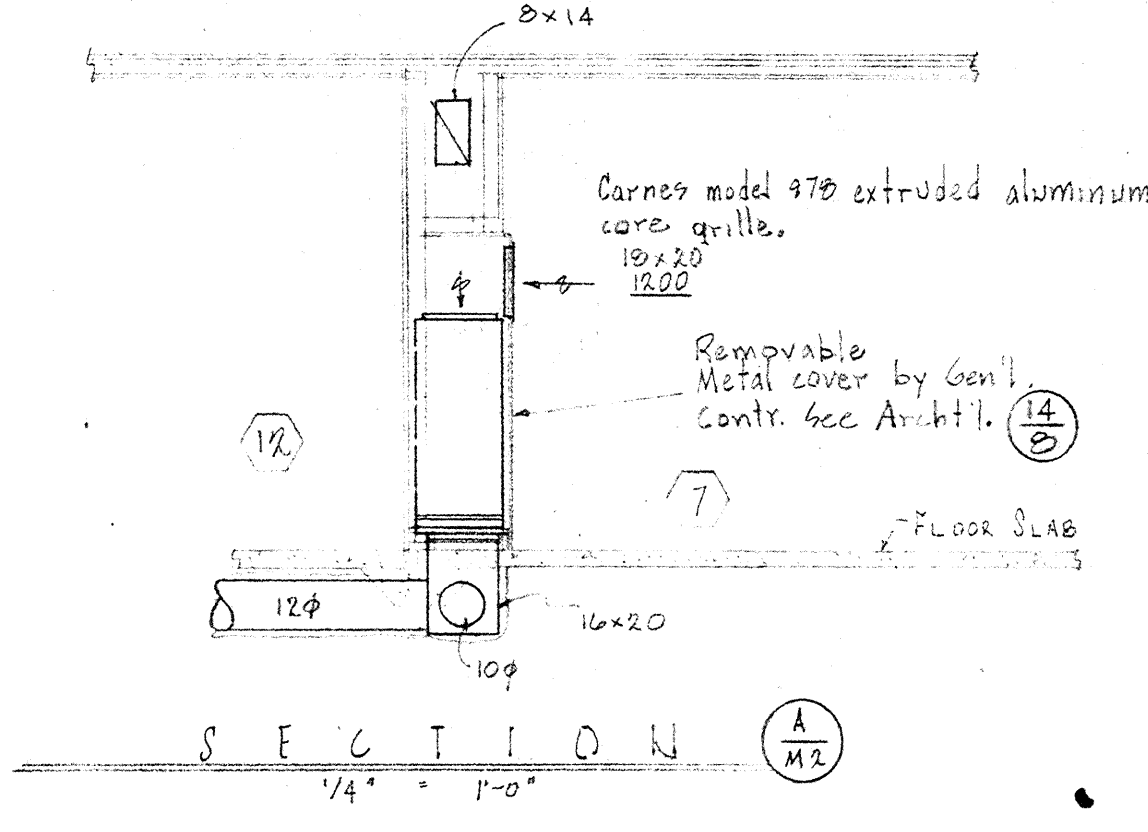
SHEET NO.
C500

NOTE:

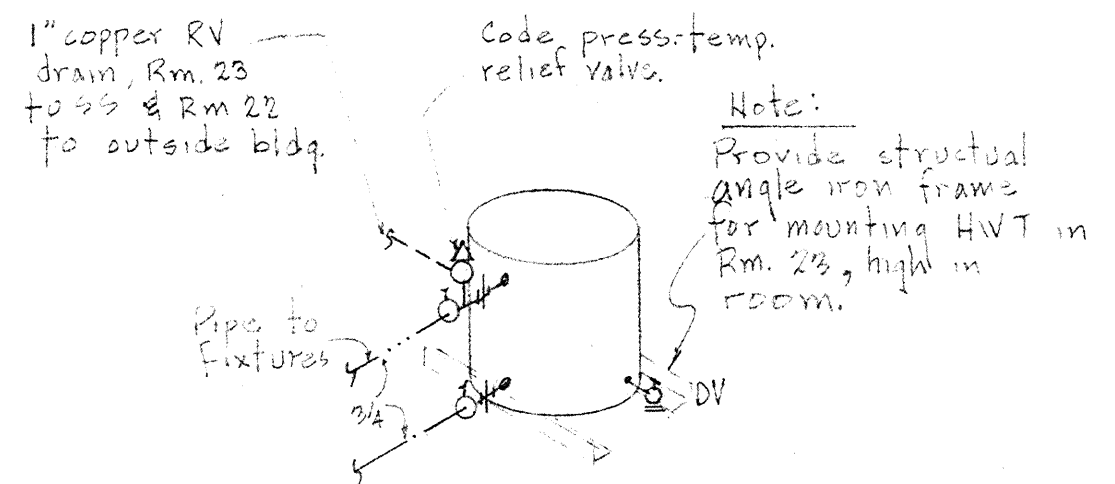
The Mechanical Contractor shall be responsible for complete cutting, patching & restoration work of concrete slab and for repairing and replacing any underground utilities disturbed or damaged during cutting & patching of concrete slab.



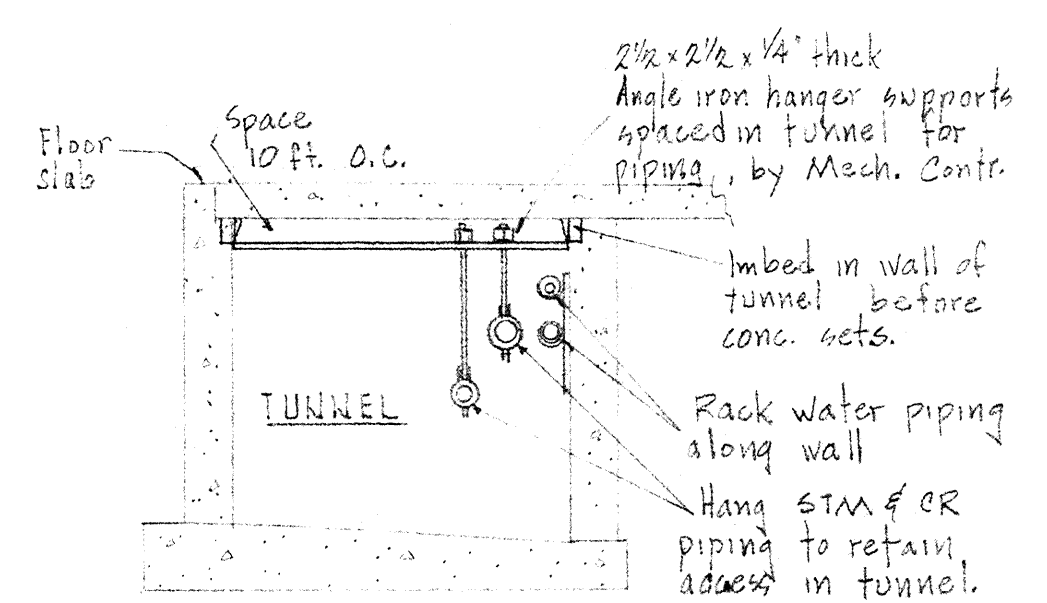
**HEALTH TEACHER COUNSELING
FOUNDATION PLAN**
1/8" = 1'-0"



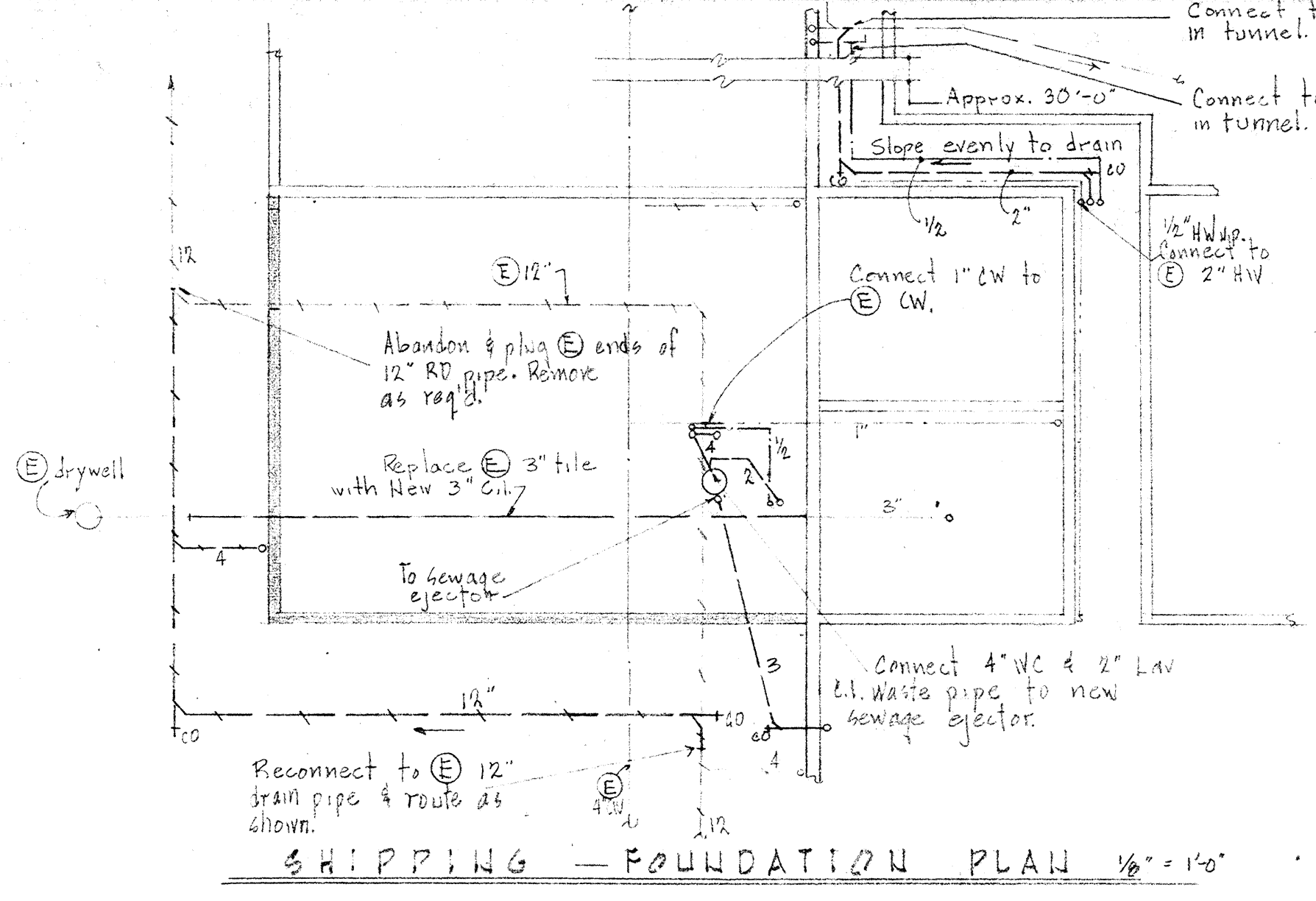
SECTION A-MZ



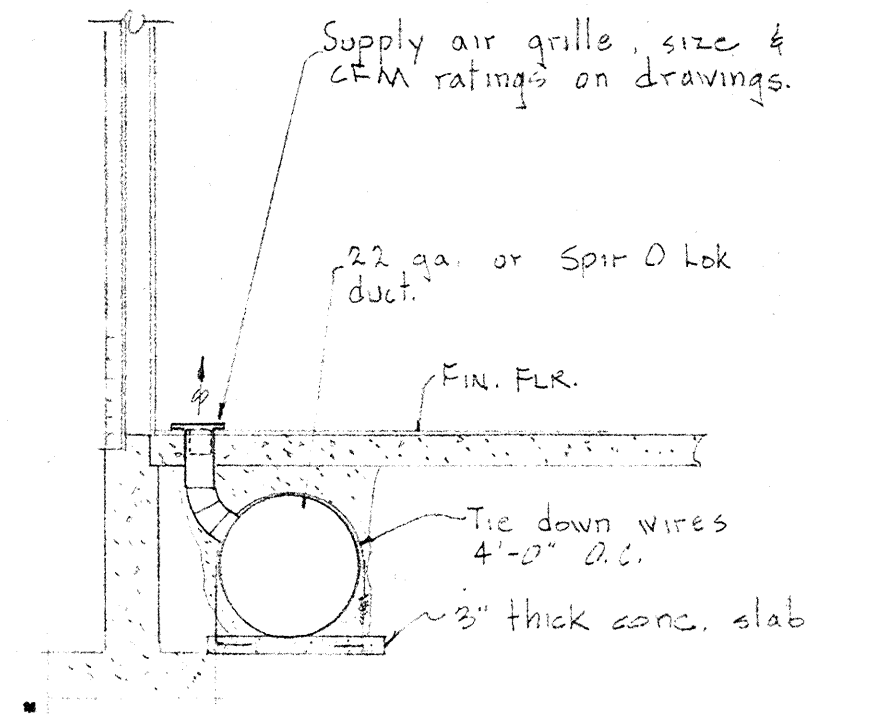
**TYPICAL HWT
INSTALLATION DETAIL**
NO SCALE



DETAIL D-MZ
NO SCALE

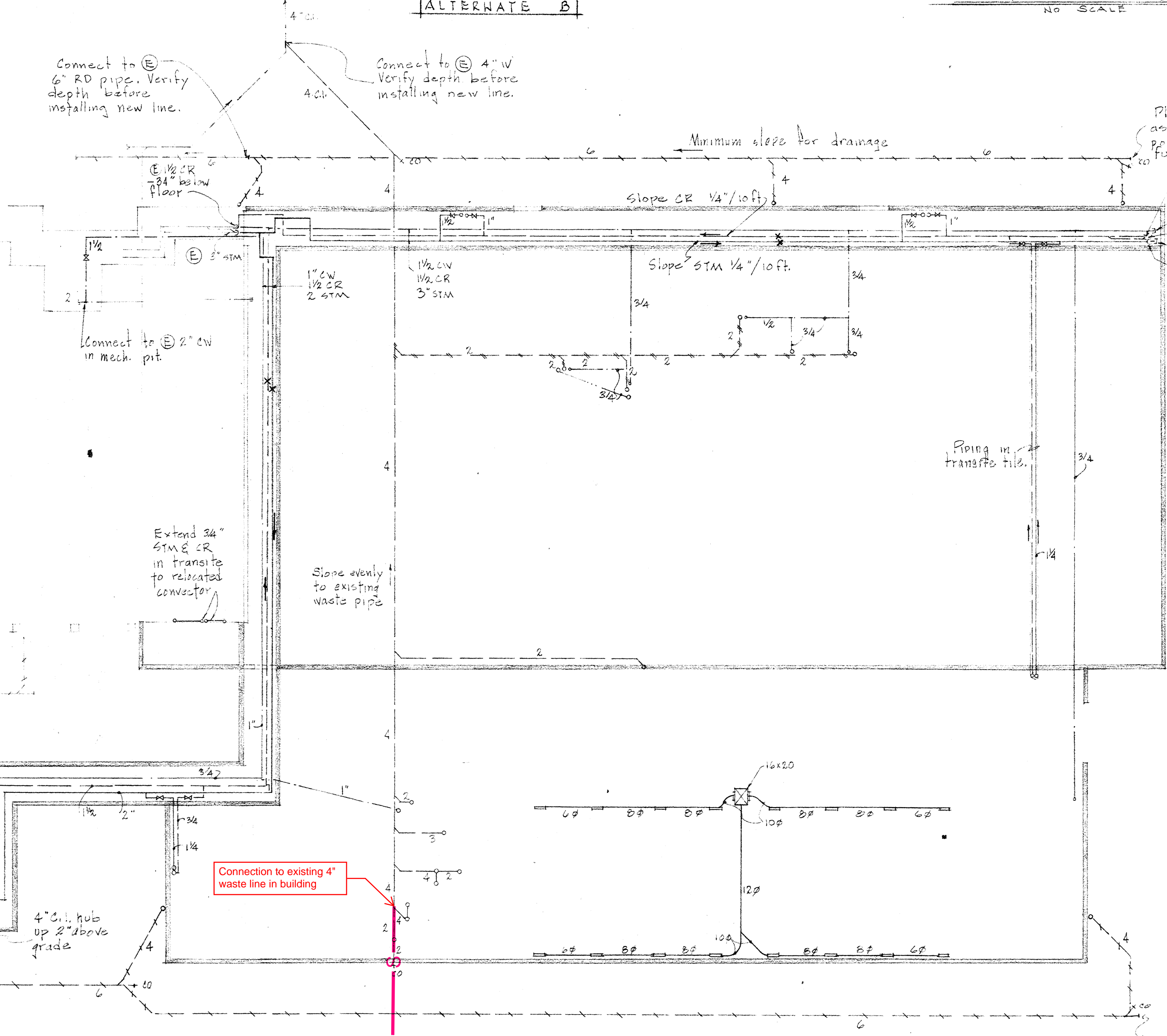


SHIPPING - FOUNDATION PLAN
1/8" = 1'-0"
ALTERNATE B



NOTE: 3" slab poured with tie-down wires for duct anchorage. Ducts encased in 2" min. concrete. All concrete work by Gen'l Contr. Mech. Contr. shall be responsible for duct, boot & register alignment while conc. is poured and bot.

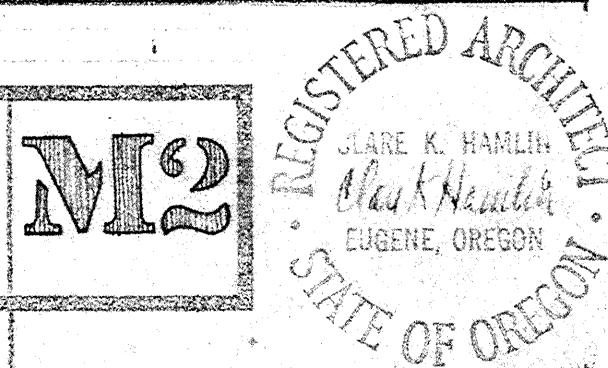
**UNDERFLOOR DUCT
INSTALLATION DETAIL**
NO SCALE

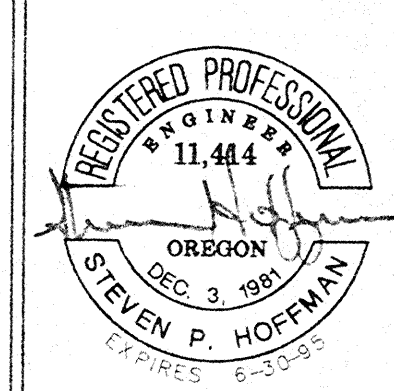


CLASSROOM UNIT - FOUNDATION PLAN
1/8" = 1'-0"



CLASSROOM UNIT FOUNDATION MECH. PLAN
NORTH EUGENE HIGH SCHOOL
1966 LIBRARY EXPANSION \$
CLASSROOM ADDITIONS \$
EUGENE OREGON 1966





SYSTEMS WEST ENGINEERS, INC.
 Eugene, Oregon 97401
 1600 Valley River Drive
 Salem, Oregon 97301
 Phone (503) 342-7210
 Fax (503) 342-7210

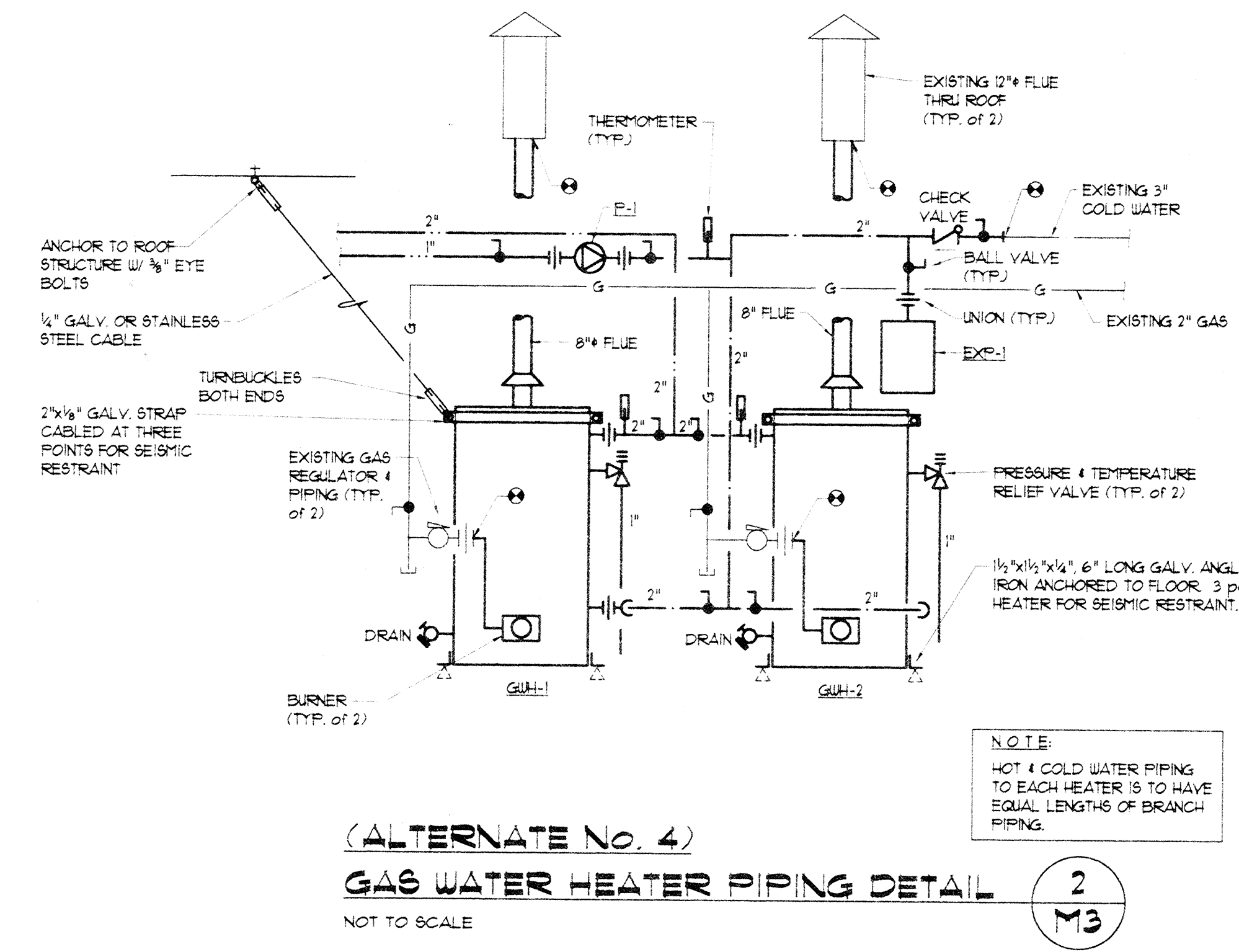
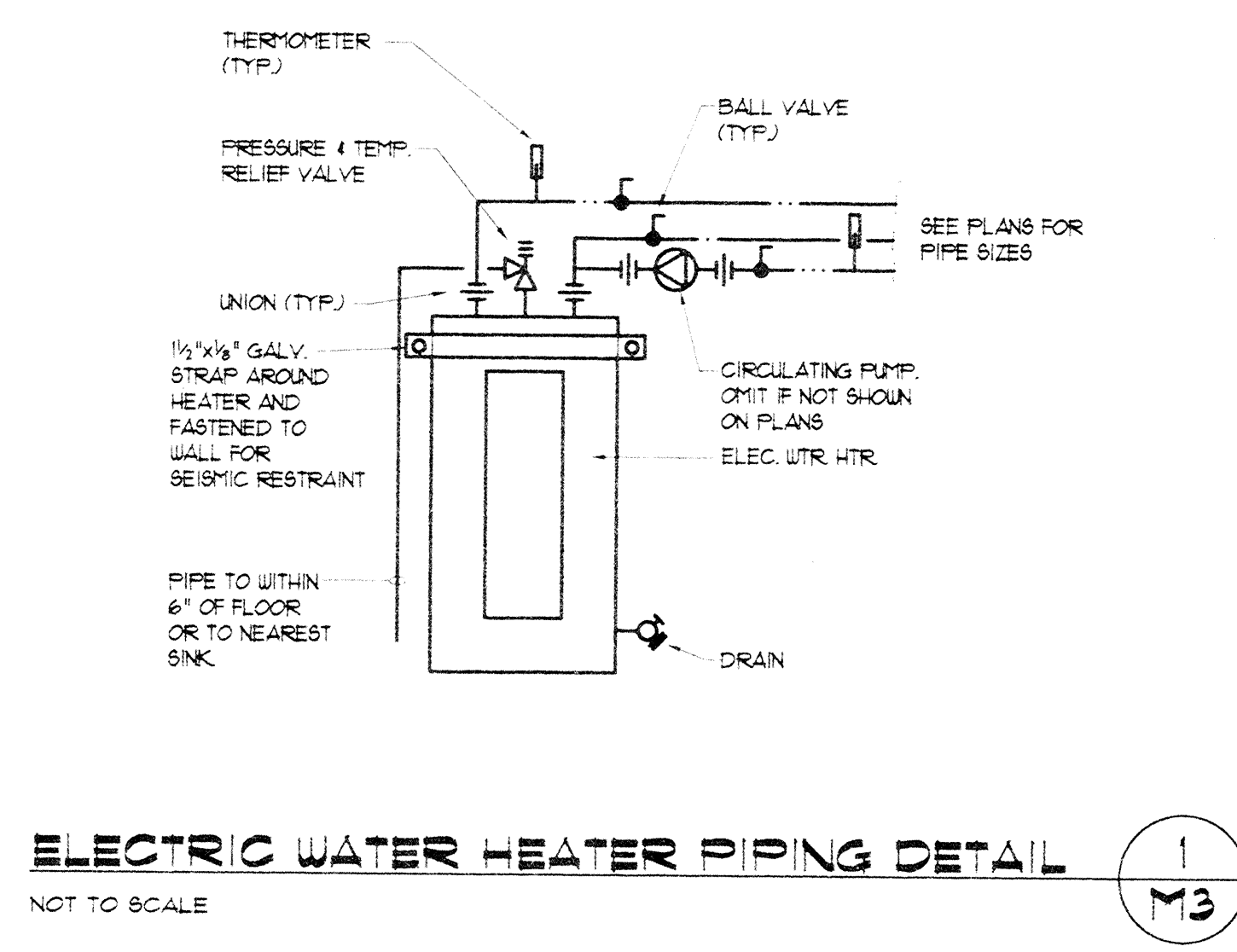
EUGENE SCHOOL DISTRICT 4J
NORTH EUGENE HIGH SCHOOL
PIPING REPLACEMENT
 EUGENE OREGON

DESIGNED RJM
 DRAWN KE
 CHECKED SPH
 SCALE AS SHOWN
 DATE 6/22/95
 PROJECT 3016/20

POTABLE WATER HEATER SCHEDULE									
TAG No.	MANUFACTURER & MODEL No.	STORAGE GALLONS	GPH	EWT F	LWT F	BTU INPUT	BTU OUTPUT	VOLTAGE / KW	REMARKS
GUH-1	A. O. SMITH BTF-300-600	300	582	40	110	6000000	--	120V, 1 PH	NATURAL GAS
GUH-2	A. O. SMITH BTF-300-600	300	582	40	110	6000000	--	120V, 1 PH	NATURAL GAS
EUH-1	A. O. SMITH DEL-10	10	10	40	110	--	--	208V, 1 PH / 2.5 KW	PROVIDE WALL MOUNTING KIT
EUH-2	A. O. SMITH DEL-80	80	18	110	140	--	--	208V, 1 PH / 4.5 KW	2 NON-SIMULTANEOUS ELEMENTS
EUH-3	A. O. SMITH DEN-80	80	18	40	110	--	--	208V, 1 PH / 4.5 KW	2 NON-SIMULTANEOUS ELEMENTS
EUH-4	A. O. SMITH DEN-120	120	25	40	110	--	--	208V, 1 PH / 6.0 KW	2 NON-SIMULTANEOUS ELEMENTS
EUH-5	NOT USED								
EUH-6	A. O. SMITH DEL-10	10	10	40	110	--	--	208V, 1 PH / 2.5 KW	MOUNT IN CABINET
EUH-7	A. O. SMITH DEL-10	10	10	40	110	--	--	208V, 1 PH / 2.5 KW	MOUNT IN CABINET
EUH-8	A. O. SMITH DEL-80	80	18	40	140	--	--	208V, 1 PH / 4.5 KW	2 NON-SIMULTANEOUS ELEMENTS
EUH-9	A. O. SMITH DEL-10	10	10	40	110	--	--	208V, 1 PH / 2.5 KW	MOUNT IN CABINET

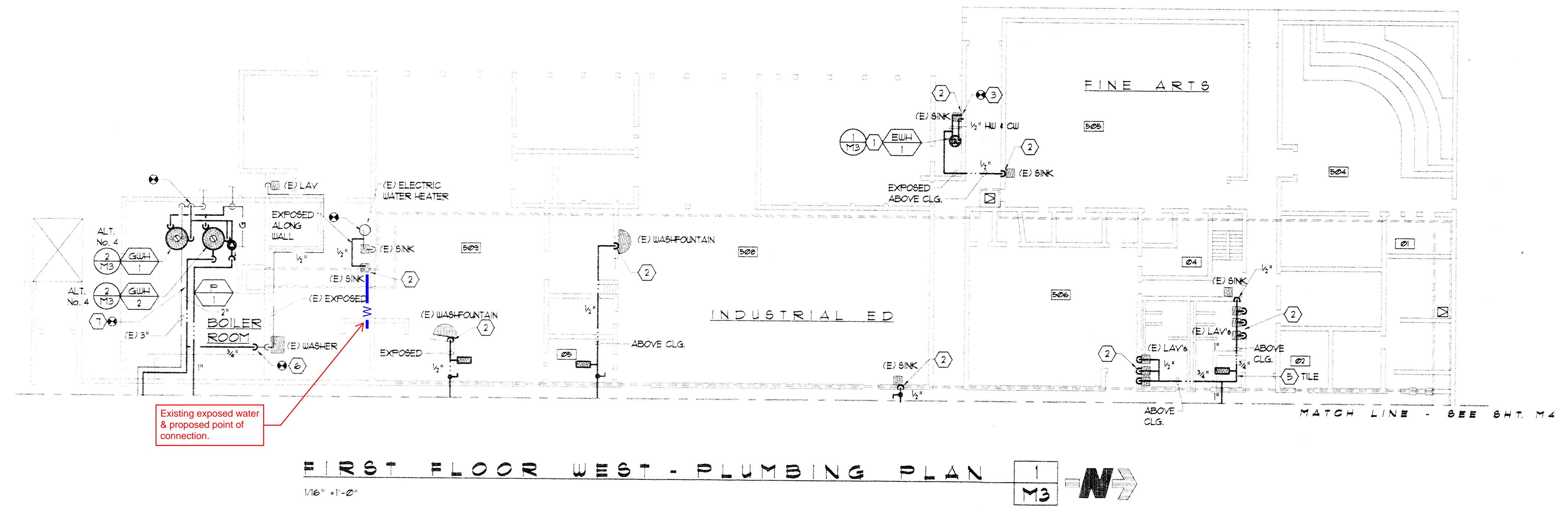
EXPANSION TANK SCHEDULE (EXP)				
TAG No.	MANUF. & MODEL No.	ACCEPTANCE CAPACITY GALLONS	DIAMETER x LENGTH	REMARKS
EXP-1	ANTROL ST-80V	34.0	22 x 36	PROVIDE DRAIN VALVE

PUMP SCHEDULE (P)											
TAG No.	TYPE	SERVICE	MANUFACTURER & MODEL No.	GPM	TOTAL HEAD FT. H ₂ O	MINIMUM EFFICIENCY (%)	MOTOR				REMARKS
							RPM	HP	VOLTS	PHASE	
P-1	N-LINE	POTABLE HOT WATER RECIRCULATING	BELL & GOSSETT 60-11-1AA	10	20	--	1750	1/4	115	1	
P-2	N-LINE	POTABLE HOT WATER RECIRCULATING	BELL & GOSSETT LR-15B	10	10	--	1750	1/2	120	1	
P-3	N-LINE	POTABLE HOT WATER RECIRCULATING	BELL & GOSSETT LR-15B	10	10	--	1750	1/2	120	1	
P-4	N-LINE	POTABLE HOT WATER RECIRCULATING	BELL & GOSSETT LR-15B	10	10	--	1750	1/2	120	1	



NOTE:
 HOT & COLD WATER PIPING TO EACH HEATER IS TO HAVE EQUAL LENGTHS OF BRANCH PIPING.

- SHEET NOTES:**
- MOUNT WATER HEATER ON WALL APPROXIMATELY 8'-0" ABOVE FLOOR.
 - CUT INTO PLASTER WALL. REPIPE NEW HOT WATER AS SHOWN. PROVIDE NEW ANGLE STOP. INSULATE BOTH THE EXISTING COLD WATER AND NEW HOT WATER PIPING. PATCH WALL TO MATCH EXISTING. TYPICAL.
 - CONNECT 1/2" CU TO EXISTING CU BELOW SINK AND SERVE NEW WATER HEATER.
 - NOT USED.
 - REMOVE AND REPLACE CEILING AS REQ'D. FOR NEW PIPING.
 - CONNECT TO EXISTING COPPER HU PIPING SERVING FIXTURE. VERIFY SIZE.
 - BASE BID: CONNECT TO EXISTING HOT WATER AND HOT WATER RECIRC. PIPING.



- GENERAL NOTES:**
- PIPING SERVING MORE THAN ONE FIXTURE TO BE 3/4" MINIMUM. 1/2" TO SERVE ONE FIXTURE ONLY.
 - PROVIDE NEW ANGLE STOPS ON HOT WATER PIPING TO FIXTURE.

