

SITE PLAN- PHASE 3A

1" = 30'-0"



SHEET NOTES

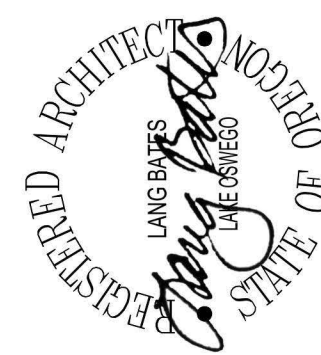
1. NEW PARKING LOT STRIPING, SEE CIVIL DRAWINGS.
2. PROVIDE FIRE DEPARTMENT APPROVED LOCK BOX. VERIFY LOCATION WITH FIRE DEPARTMENT O.F.C.I. EAST GATE: KNOX KEY SWITCH MODEL 3502
3. REINSTALL EXISTING LOOP DETECTION SYSTEM AT BUS EXIT. CONFIRM LOCATION WITH OWNER PRIOR TO INSTALLATION.
4. NEW 30'-0" WIDE SWING GATE WITH AUTOMATIC OPERATOR ON SECURE SIDE OF GATE AND ACCESS CONTROL. SEE ELECTRICAL DRAWINGS. PROVIDE LOOP DETECTION FOR EXIT ONLY. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION. SEE SPECIFICATIONS.
5. NEW CONCRETE CURB, SEE CIVIL DRAWINGS
6. NEW ASPHALT PAVING, SEE CIVIL DRAWINGS
7. EXISTING LANDSCAPING TO REMAIN
8. EXISTING CURB AND LANDSCAPE PLANTER TO REMAIN (PROTECT)
9. LINE OF EXISTING PAVING
10. NEW DRIVEWAY APRON, SEE CIVIL DRAWINGS
11. NEW LANDSCAPING, SEE LANDSCAPE DRAWINGS
12. NEW CHAIN LINK FENCE, SEE LANDSCAPE DRAWINGS
13. EXISTING FENCE TO REMAIN (PROTECT)
14. NEW LIGHT POLE AND BASE, SEE ELECTRICAL DRAWINGS
15. RELOCATE EXISTING LIGHT POLE AND BASE, SEE ELECTRICAL DRAWINGS
16. NEW PARKING LOT STRIPING TO MATCH EXISTING
17. EXISTING LIGHT POLE AND BASE TO REMAIN (PROTECT)
18. NEW CONCRETE SIDEWALK, SEE CIVIL DRAWINGS
19. PROVIDE 12" W. "STOP BAR" STRIPING
20. PROVIDE GATE OPERATOR WITH 24" X 28" X 30" D. CONCRETE PAD, SEE SPECIFICATIONS.
21. PROVIDE PARKING LOT STENCIL STRIPING, SEE SPECIFICATIONS
22. PROVIDE DIRECTIONAL SIGNAGE, TYP. - SEE SPECIFICATIONS

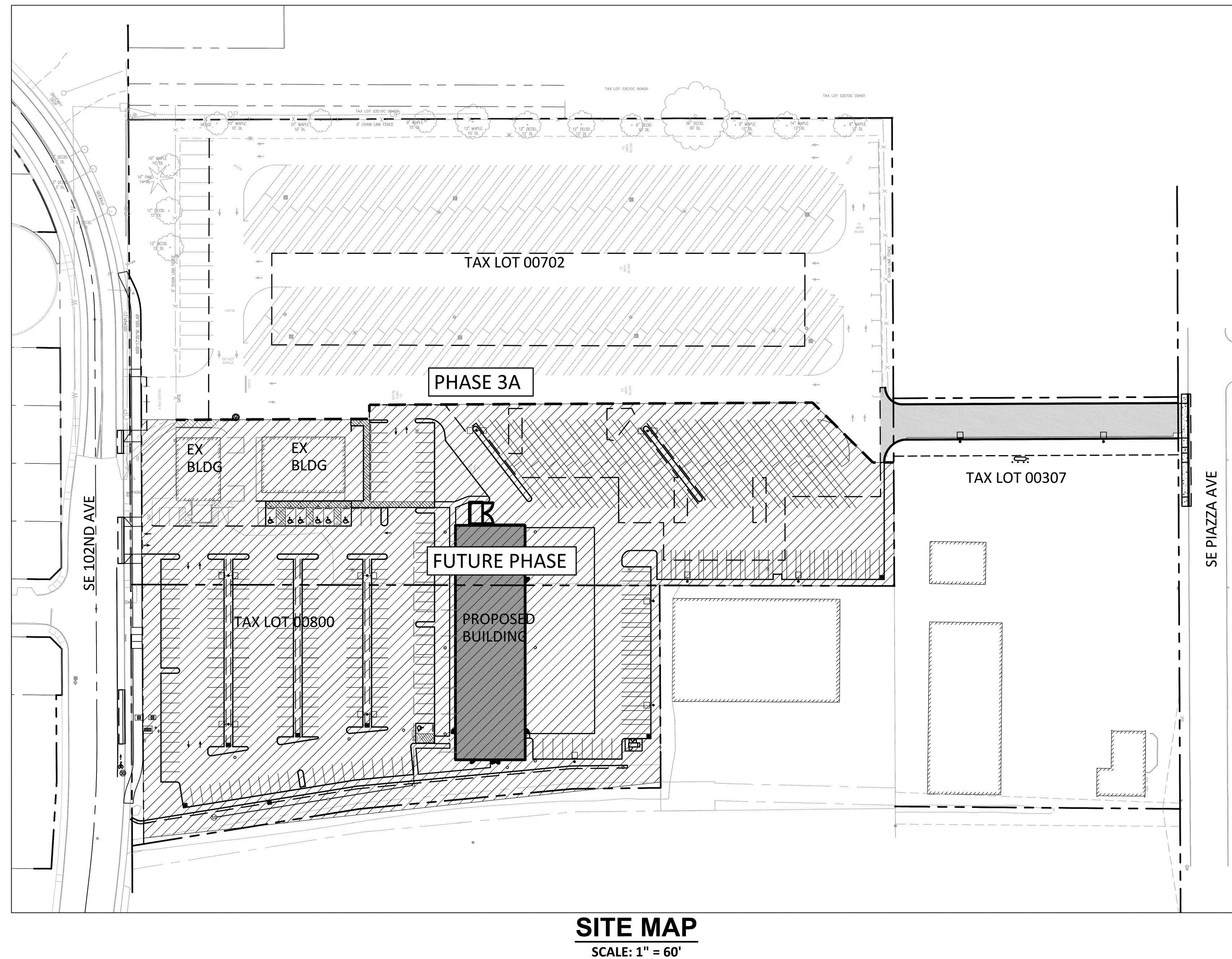
NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3A
15191 SE PLAZZA AVE, CLACKAMAS, OR 97015
SITE PLAN - PHASE 3A

17003.08.1
PROJECT NUMBER
10 FEB 2020
DATE
REVISIONS

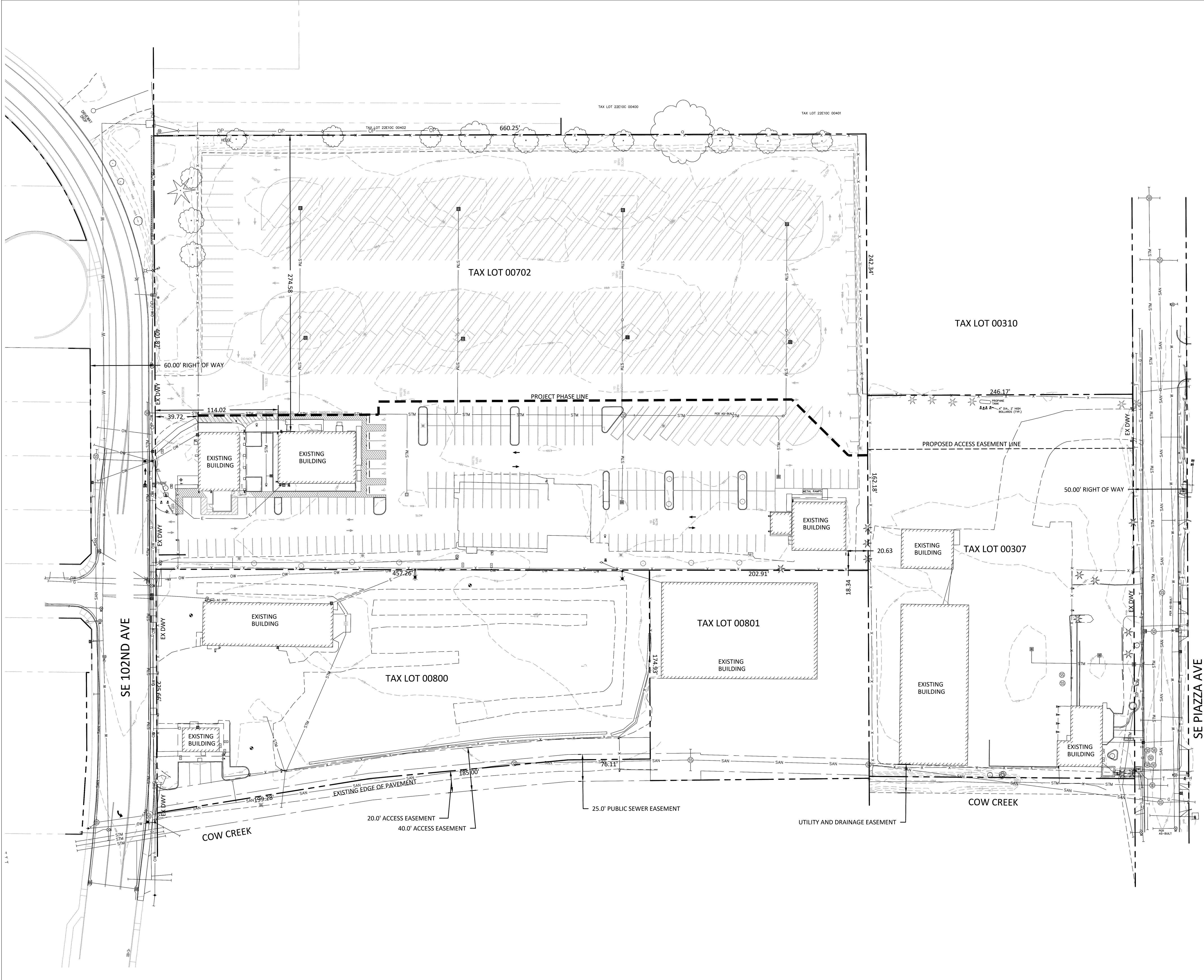
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205 SE SPOKANE STREET, SUITE 200
PORTLAND, OREGON 97202
503-221-1131
CONTACT: JANELLE BRANNAN, P.E.
EMAIL: JANELLEB@HHPR.COM



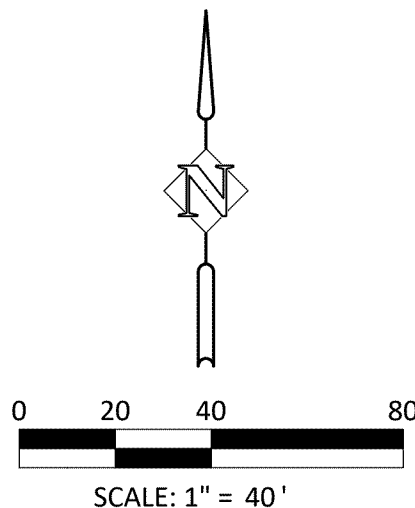
NOTES:

SLOPE ANALYSIS:
NO PORTIONS OF THE SITE HAVE SLOPES GREATER THAN 20%.

POTENTIAL HAZARDS:
NO PORTIONS OF THE SITE ARE WITHIN ANY MAPPED HAZARD AREA.

NATURAL FEATURES:
THERE ARE NO RIVERS, STREAMS, WETLAND, UNDERGROUND SPRINGS, WILD LIFE HABITAT, EARTH MOUNDS OR LARGE ROCK OUTCROPPINGS ON THE SITE. DRAINAGE DITCH LABELED AS COW CREEK IS SOUTH OF THE SITE.

WOODED AREAS:
THERE ARE NO WOODED AREAS OR SIGNIFICANT GROVES OF TREES ON THE SITE.

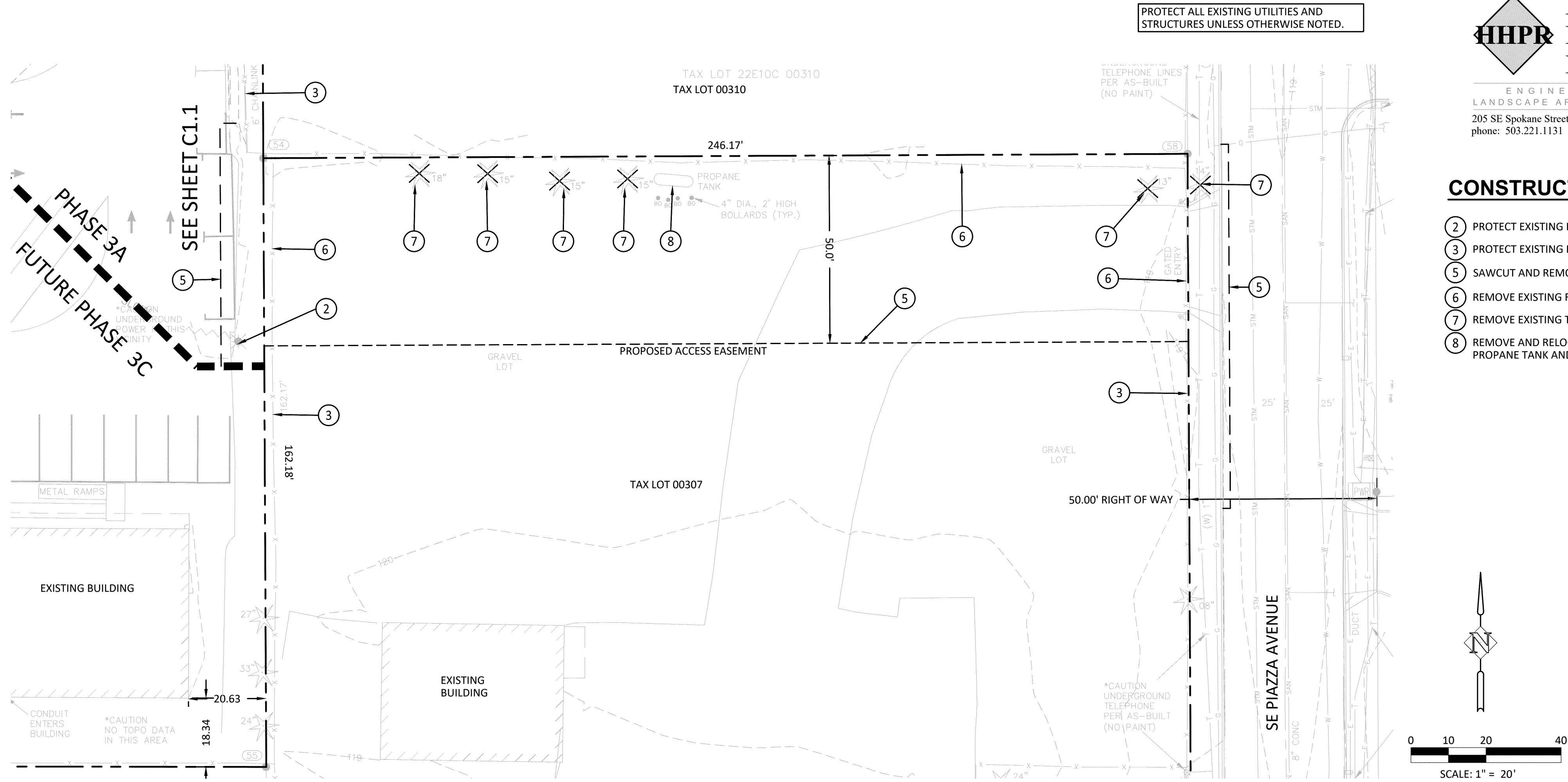


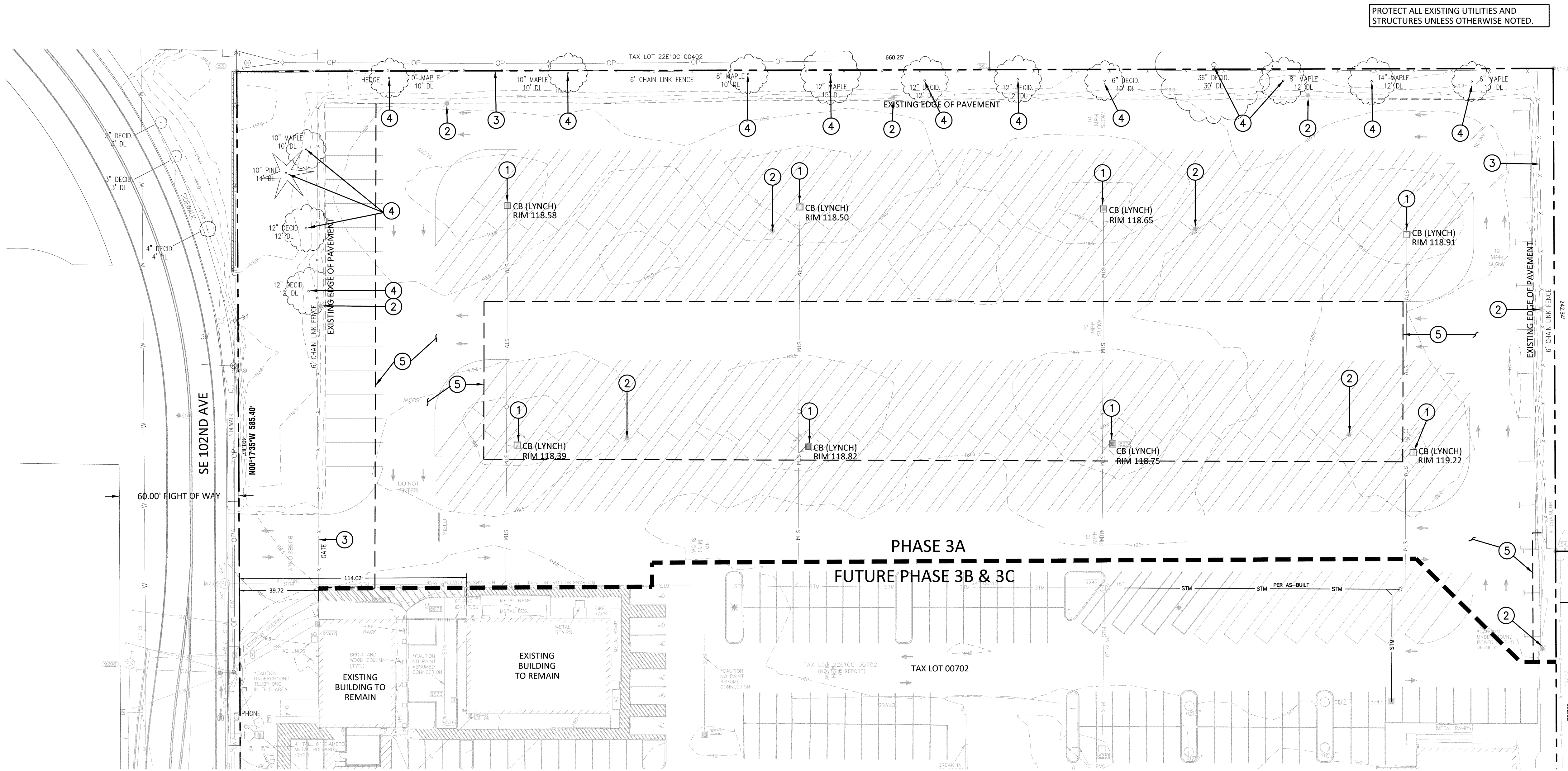
NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15610 SE 102ND AVE, CLACKAMAS, OR 97015
OVERALL EXISTING CONDITIONS PLAN

11003.003.1
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EXISTING SANITARY SEWER INFORMATION

9208 SEWER MANHOLE
RIM= 118.53'
IE 24" CONC(S)= 104.03'
IE 24" CONC(N)= 103.98'
BOTTOM= 103.98'

EXISTING STORM SEWER INFORMATION

8221 CATCH BASIN - LYNCH
RIM= 118.79'
**IE 8" CONC(N)= 116.89'
BOTTOM= 114.84'

8247 STORM MANHOLE
RIM= 120.41'
IE 10" CONC(N)= 114.41'
IE 8" CONC(S)= 114.41'
IE 15" CONC(E)= 114.31'
IE 24" CONC(W)= 114.01'
BOTTOM= 114.16'

8278 CATCH BASIN
RIM= 118.735'
IE 10" CONC(S)= 116.88'
SUMP= 114.84'

8281 CATCH BASIN
RIM= 118.61'
IE 2"??(N)= UNABLE TO MEASURE
BOTTOM= UNABLE TO MEASURE

8573 CATCH BASIN - LYNCH
RIM= 118.07'
**IE 2"??(W)= 116.41'
BOTTOM= 114.60'

8576 CLEAN OUT
RIM= 118.21'

8668 AREA DRAIN
RIM= 118.80'
**IE 2"??= 117.31'
BOTTOM= 116.01'
*CONNECTION UNKNOWN

8671 CLEAN OUT
RIM= 118.81'

8732 STORM MANHOLE
RIM= 118.86'
IE 24" CONC(E)= 111.86'
IE 24" CONC(N)= 111.66'
IE 24" CONC(S)= 111.56'
BOTTOM= 111.66'

8747 CATCH BASIN
RIM= 119.17'
IE= UNABLE TO MEASURE

PROTECT ALL EXISTING UTILITIES AND
STRUCTURES UNLESS OTHERWISE NOTED.

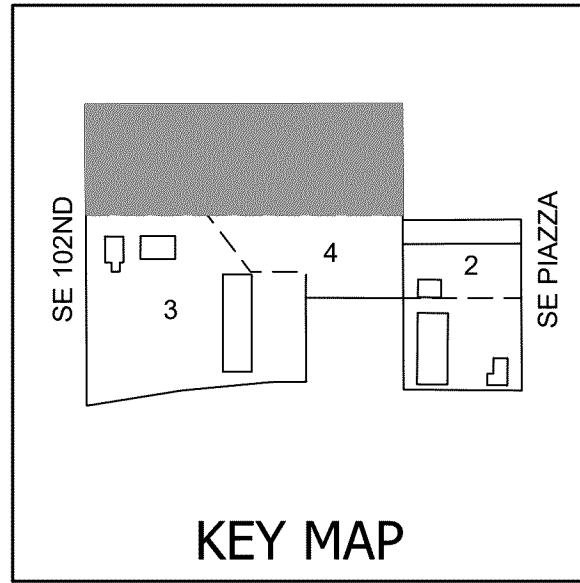
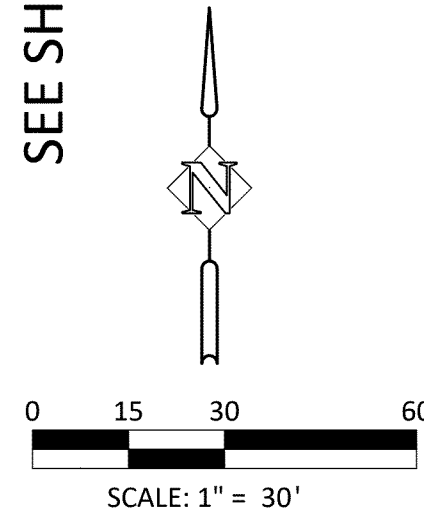
CONSTRUCTION NOTES:

- 1 PROTECT EXISTING CATCHBASIN.
- 2 PROTECT EXISTING LIGHT POLE.
- 3 PROTECT EXISTING FENCING.
- 4 PROTECT EXISTING TREE.
- 5 SAWCUT AND REMOVE ASPHALT AND/OR CONCRETE.
- 6 REMOVE EXISTING FENCING.

SEE PAVING PLAN FOR ADDITIONAL
INFORMATION REGARDING PAVING LIMITS.

PROTECT ALL EXISTING UTILITIES AND
STRUCTURES UNLESS OTHERWISE NOTED.

SEE SHEET C1.2



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NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15610 SE 102ND AVE, CLACKAMAS, OR 97015
EXISTING CONDITIONS & DEVELOPMENT PLAN

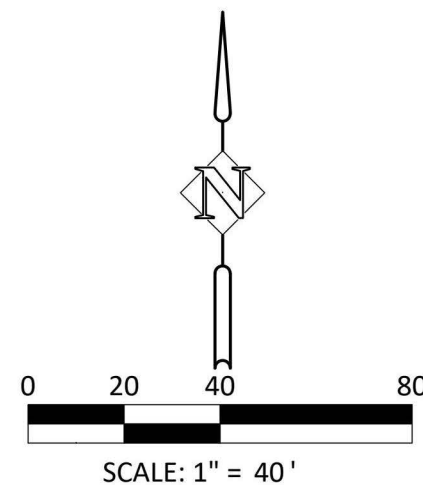
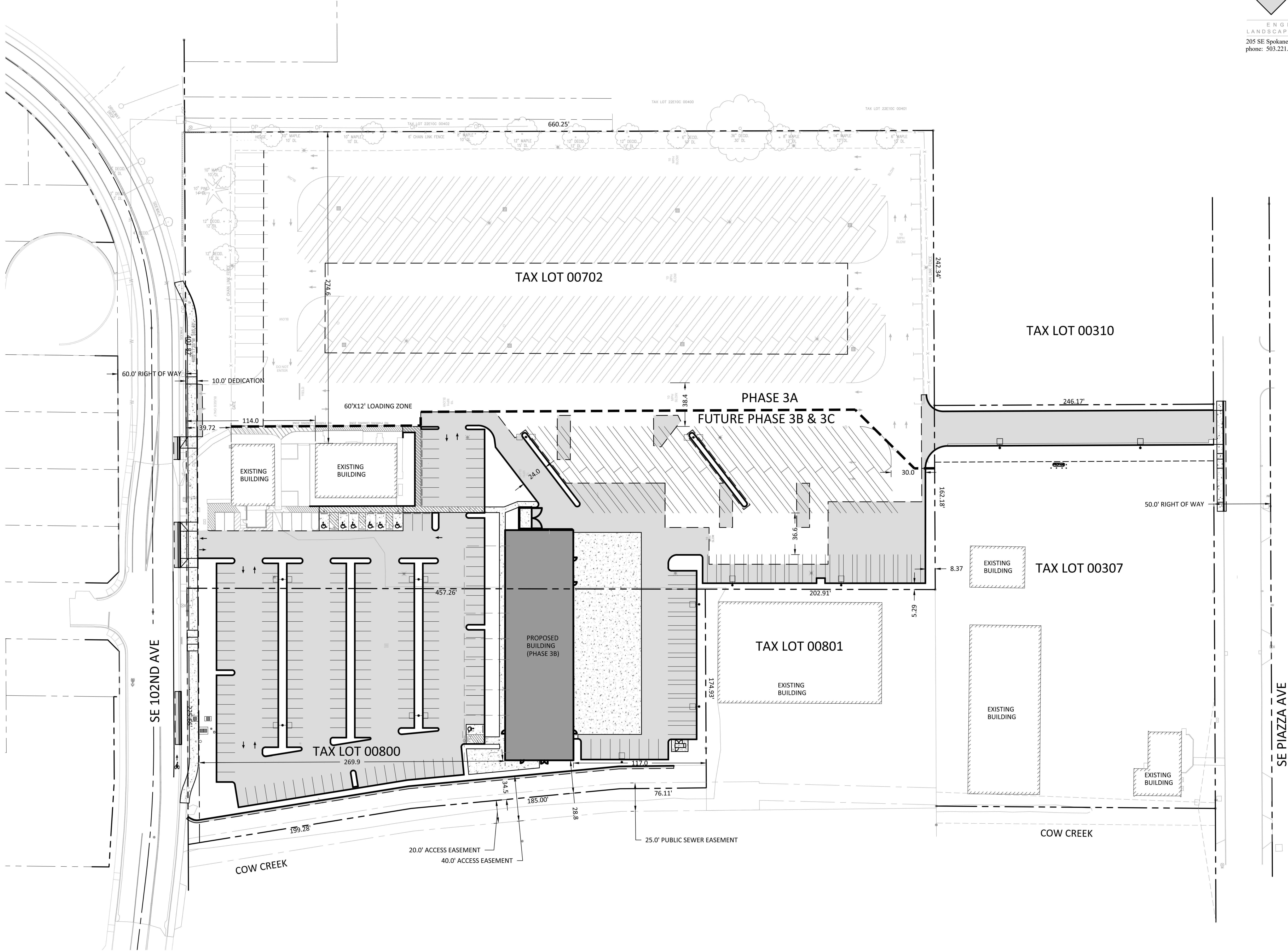
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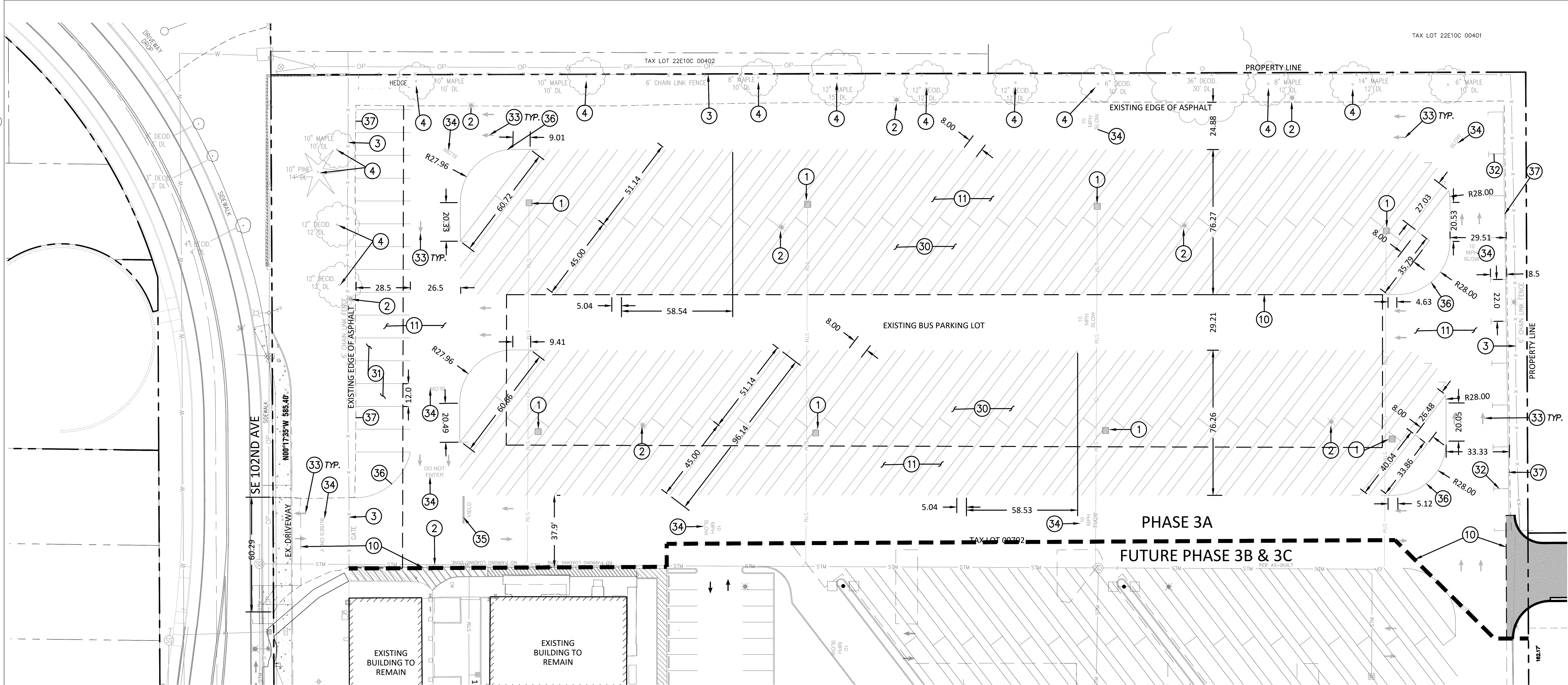
C1.1

PHASE 3A
BID SET


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LANDSCAPE ARCHITECT
ORIGON
JAN 11, 2005
KIPRIER 12/28/2021





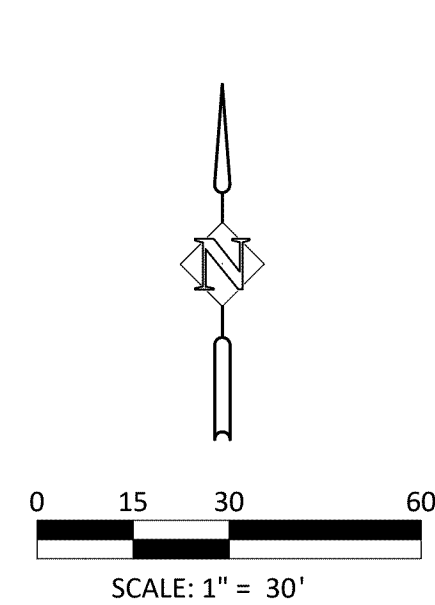
SIDEWALK IMPROVEMENTS ON SE 102ND TO BE COMPLETED WITH FUTURE PHASE 3B & 3C



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- CONSTRUCTION NOTES:**
- 1 PROTECT EXISTING CATCHBASIN.
 - 2 PROTECT EXISTING LIGHT POLE.
 - 3 PROTECT EXISTING FENCING.
 - 4 PROTECT EXISTING TREE.
 - 10 SAWCUT ASPHALT ALONG PHASE LINE AND AS SHOWN ON THE PLAN.
 - 11 SEE SHEET C2.6 FOR PAVING PLAN.
 - 30 LARGE BUS PARKING STALL STRIPING. SEE DETAIL ON SHEET C5.0.
 - 31 SMALL BUS PARKING STALL STRIPING. SEE DETAIL ON SHEET C5.0.
 - 32 PARALLEL PARKING STALL. SEE DETAIL ON SHEET C5.0.
 - 33 TRAFFIC ARROW.
 - 34 TEXT STENCIL.
 - 35 STOP BAR WITH 'YIELD' TEXT STENCIL.
 - 36 4" WHITE STRIPE.
 - 37 PLACE WHITE STRIPE AT EDGE OF PAVEMENT.



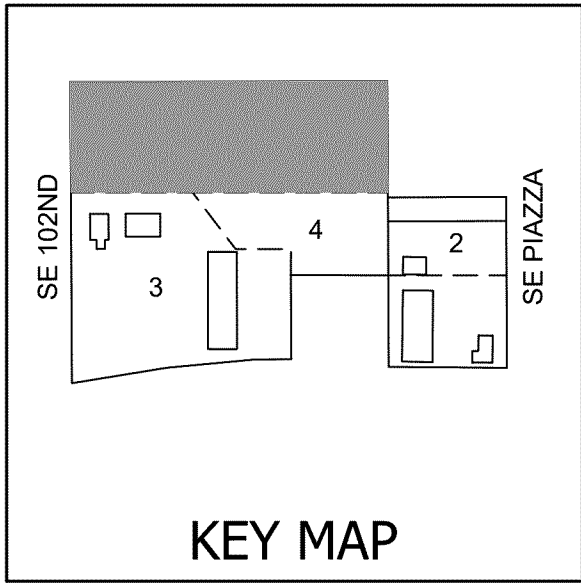
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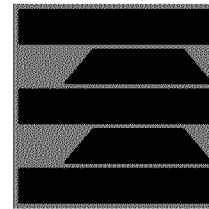
EXISTING INFORMATION SHOWN WAS COMPILED FROM RECORD DRAWINGS AND SURVEY INFORMATION.

CONTRACTOR SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS PRIOR TO DEMOLITION OF EXISTING PAVEMENT.

UPON COMPLETION OF PAVING, CONTRACTOR SHALL STRIPE BUS PARKING LOT TO MATCH EXISTING PAVEMENT MARKINGS.

NUMBERING FOR BUS PARKING STALLS ARE NOT IDENTIFIED ON THE PLAN. CONTRACTOR SHALL MAKE NOTE OF THE BUS PARKING NUMBERING SCHEME AND RENUMBER THE PARKING STALLS TO MATCH.





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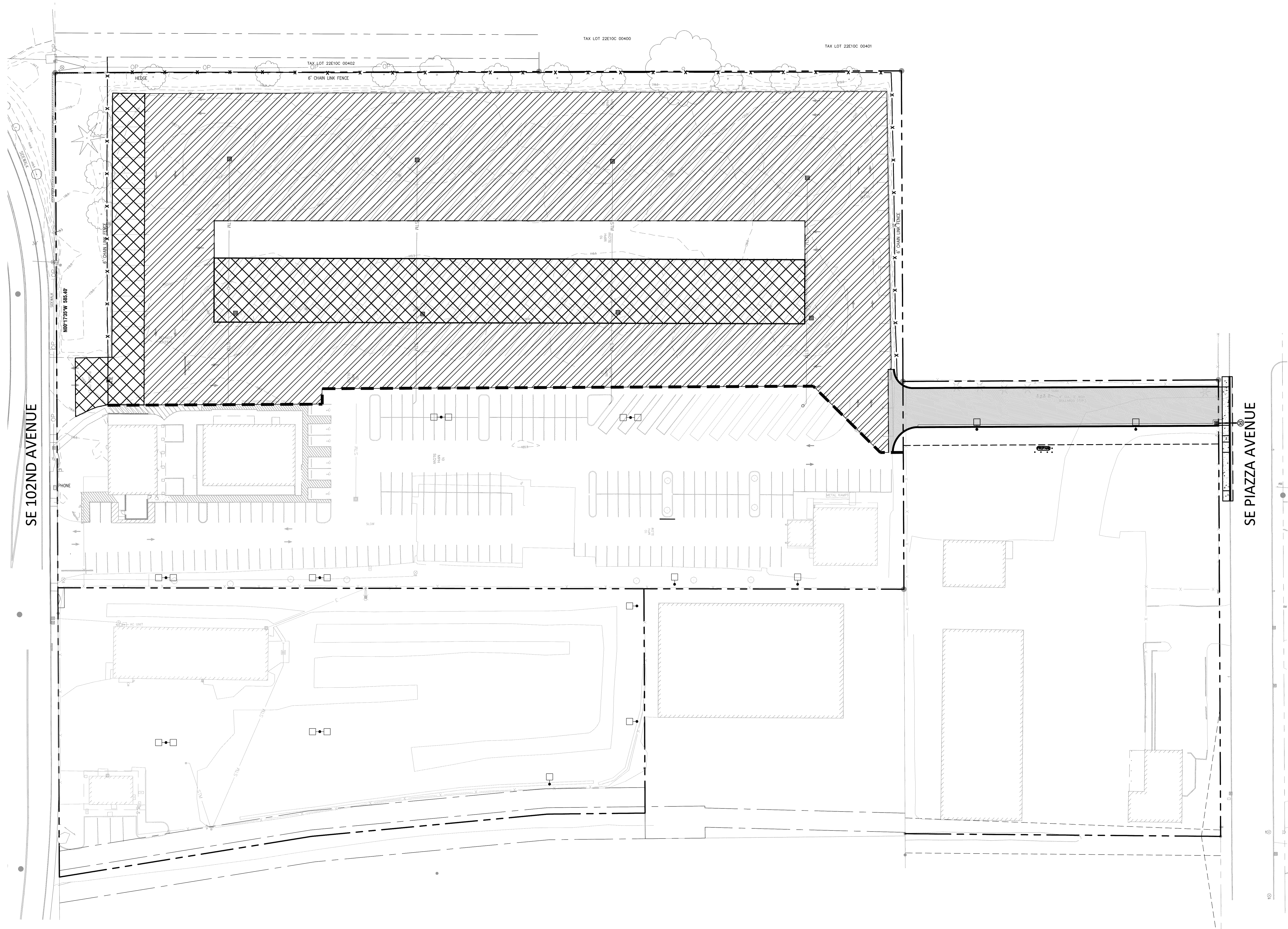
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PHASE 3A
BID SET

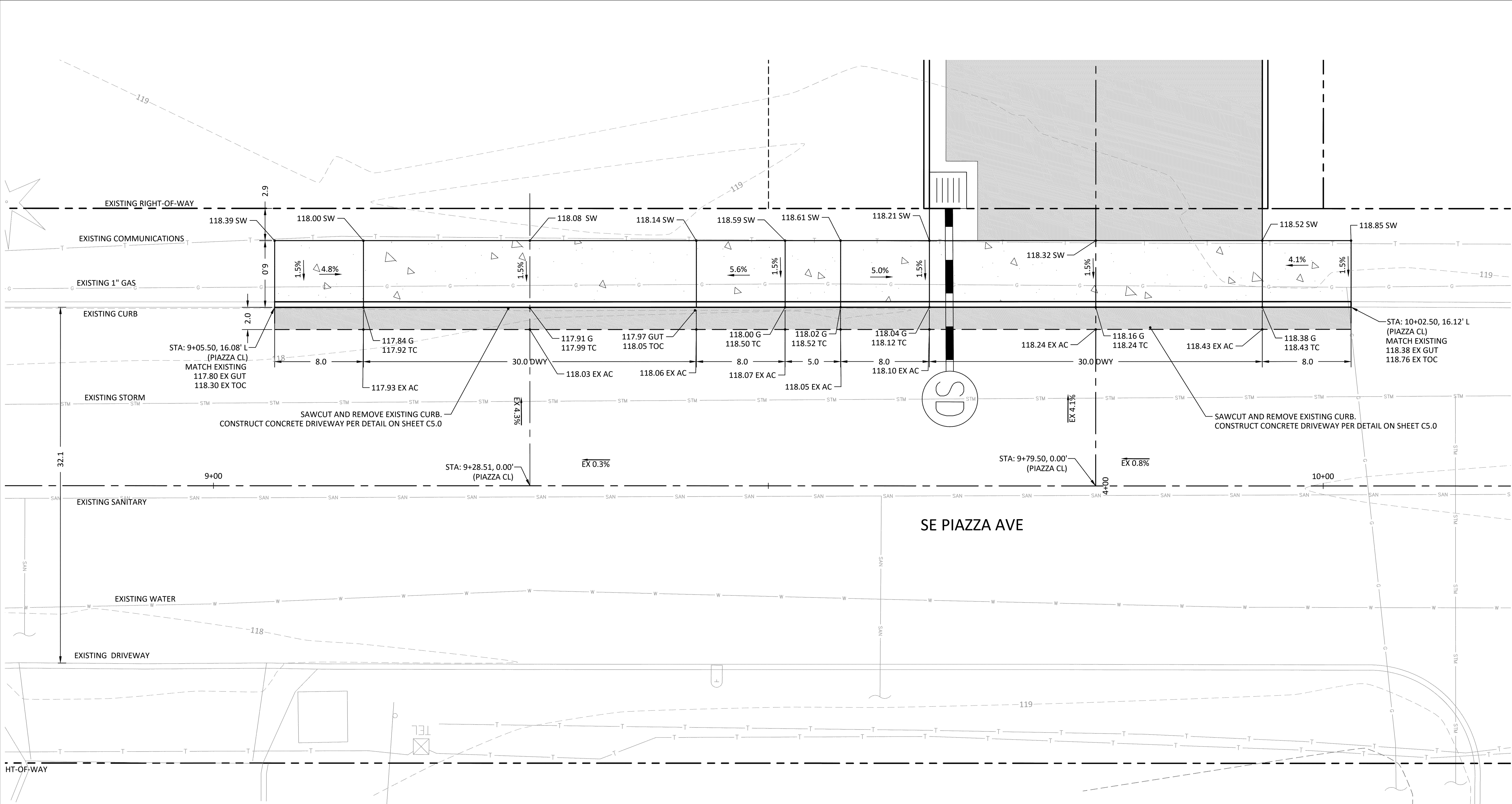
C2.1

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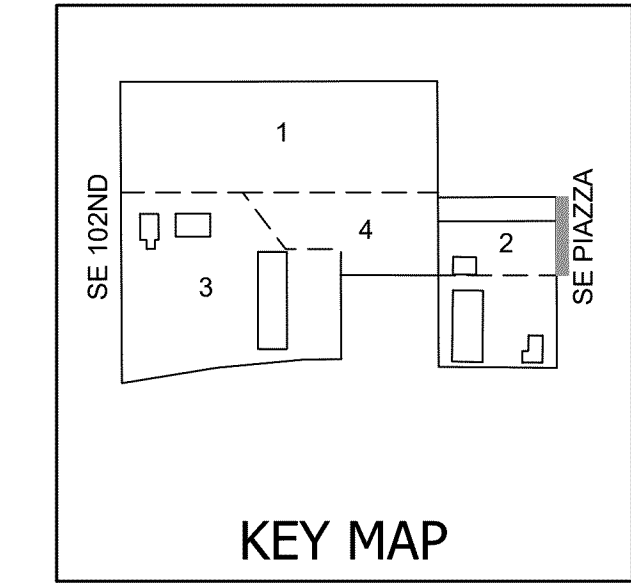
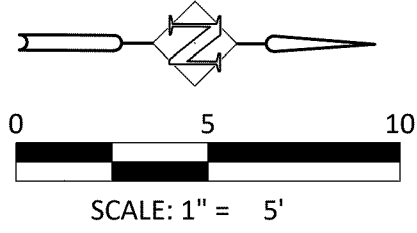
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JAN 11, 2020
KYLE LYNN BRANNAN
EXPIRES: 12/31/2021



PROPOSED LEGEND	
	FULL DEPTH ASPHALT REMOVAL, PROTECT EXISTING BASE ROCK. INSTALL 6" ASPHALT OVER 2" LEVELING ROCK
	ASPHALT PAVEMENT SEE SECTION ON SHEET C5.0
	3" GRIND AND INLAY
	CONCRETE PAVEMENT SEE DETAIL ON SHEET C5.0



PIAZZA DRIVEWAY GRADING DETAIL
SCALE: 1" = 5'



KEY MAP

HHPR Harper Houf Peterson Righellis Inc.
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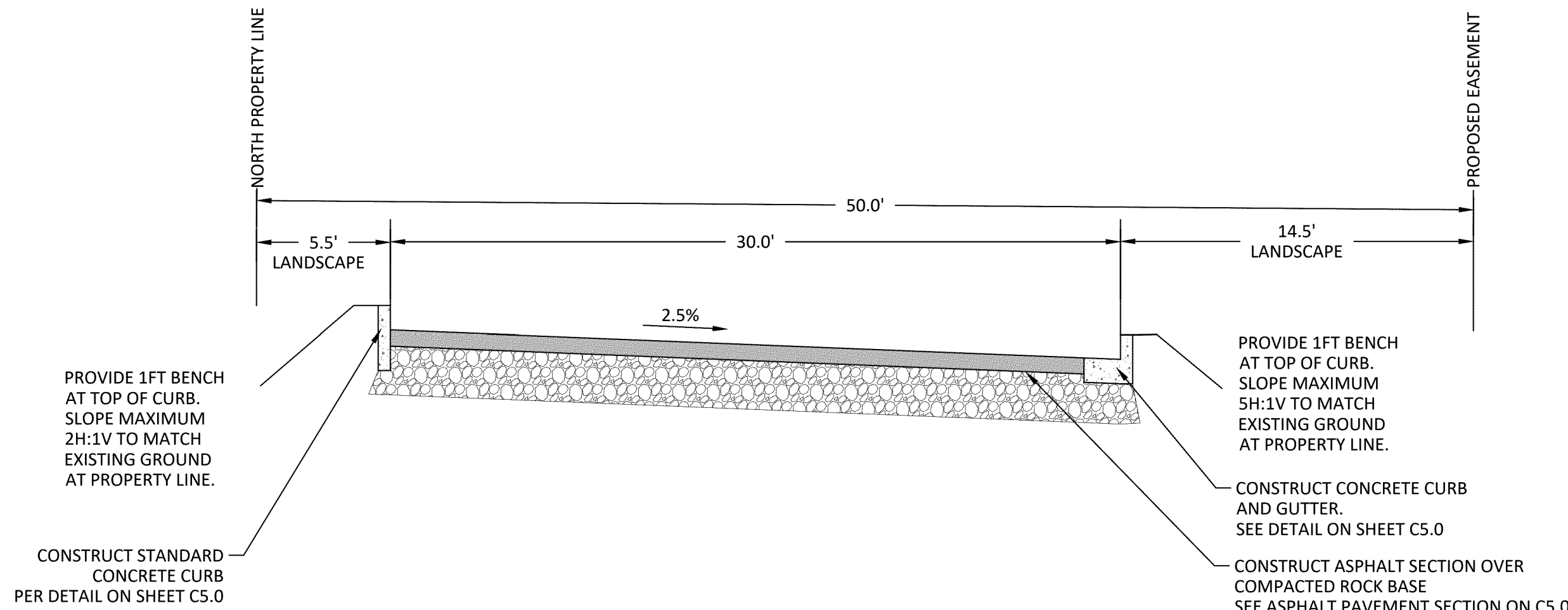
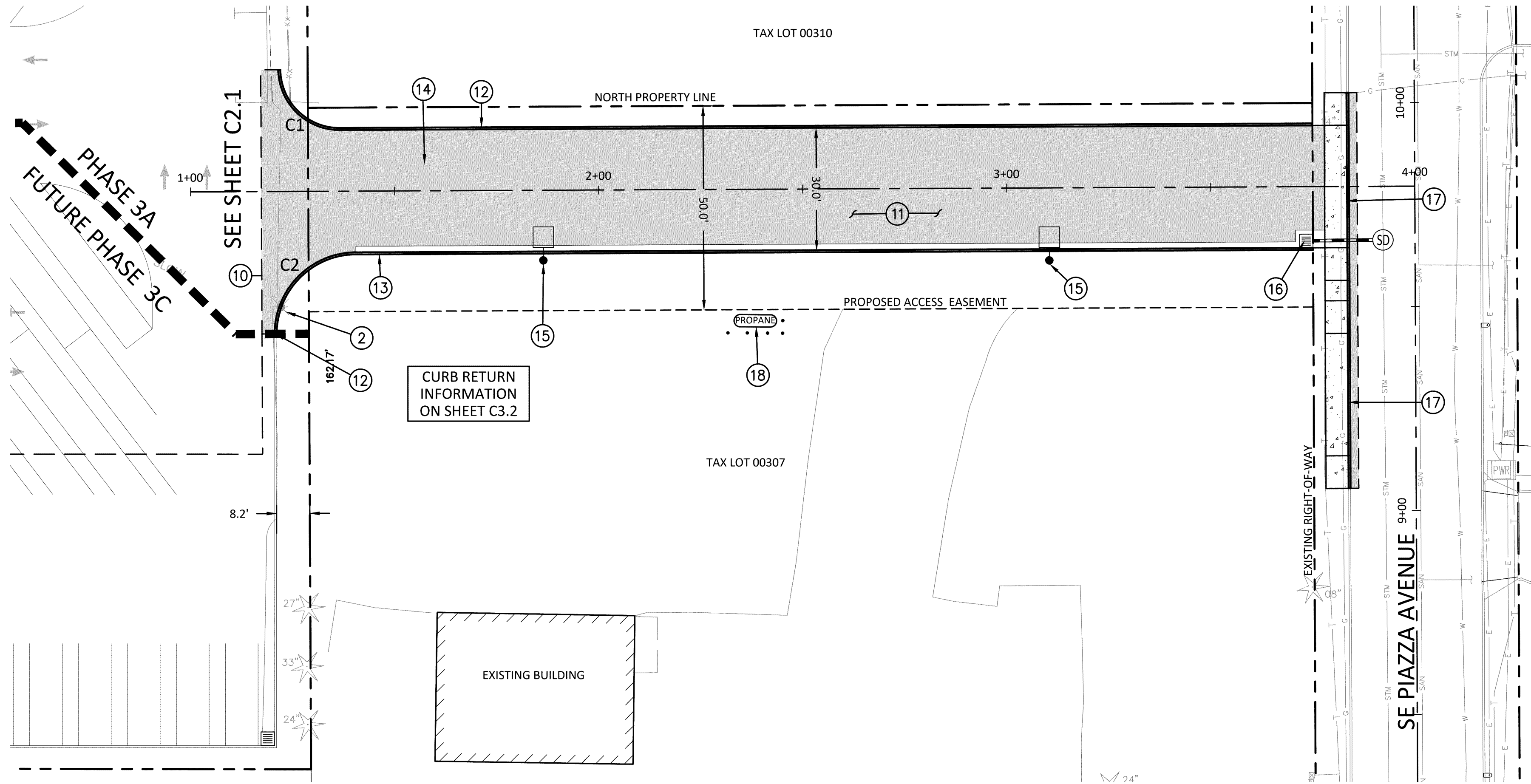
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LANDSCAPE ARCHITECT
OR 11-205
LYNN BRANNAN
EXPIRES: 12/31/2021

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NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15610 SE 102ND AVE, CLACKAMAS, OR 97015
PIAZZA DRIVEWAY IMPROVEMENTS

11003.09.1
PROJECT NUMBER
7 FEB 2020
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C2.8



TYPICAL SECTION
NTS



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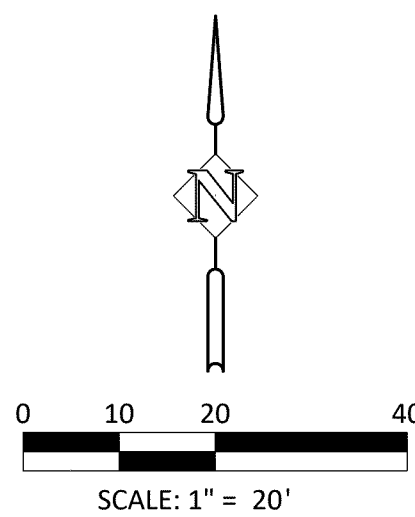
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CONSTRUCTION NOTES:

- 2 PROTECT EXISTING LIGHT POLE.
- 10 SAWCUT ASPHALT ALONG PHASE LINE AND AS SHOWN ON THE PLAN.
- 11 SEE SHEET C2.6 FOR PAVING PLAN.
- 12 CONSTRUCT STANDARD CURB PER DETAIL ON SHEET C5.0.
- 13 CONSTRUCT CURB AND GUTTER PER DETAIL ON SHEET C5.0.
- 14 CONSTRUCT ACCESS DRIVE PER TYPICAL SECTION BELOW AND GRADING ON SHEET C3.2.
- 15 PROPOSED SITE LIGHTING. REFER TO SITE LIGHTING PLAN FOR ADDITIONAL INFORMATION.
- 16 PROPOSED CATCHBASING. SEE SHEET C4.0 FOR ADDITIONAL INFORMATION.
- 17 CONSTRUCT CONCRETE DRIVEWAY PER DETAIL ON SHEET C5.1 AND GRADING ON SHEET C2.8.
- 18 PROPOSED LOCATION FOR RELOCATED PROPANE TANK AND BOLLARDS. FINAL LOCATION SHALL BE CONFIRMED PRIOR TO RELOCATION.

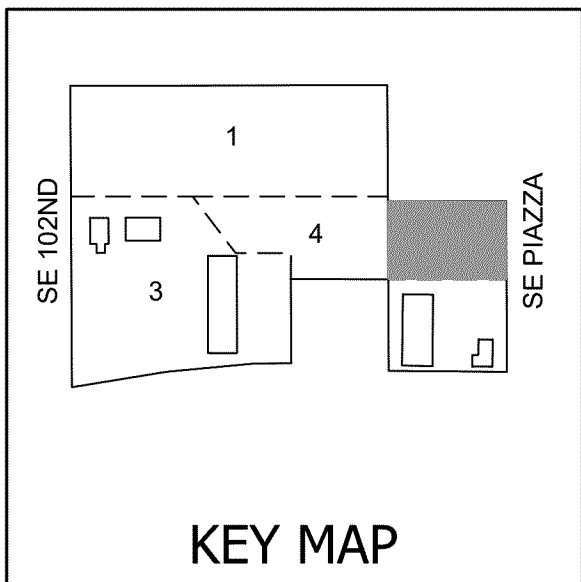


NOTES:

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CONTRACTOR SHALL VERIFY ALL EXISTING PAVEMENT MARKINGS PRIOR TO DEMOLITION OF EXISTING PAVEMENT.

SEE SHEET C2.8 FOR SE PIAZZA AVE IMPROVEMENTS.



KEY MAP

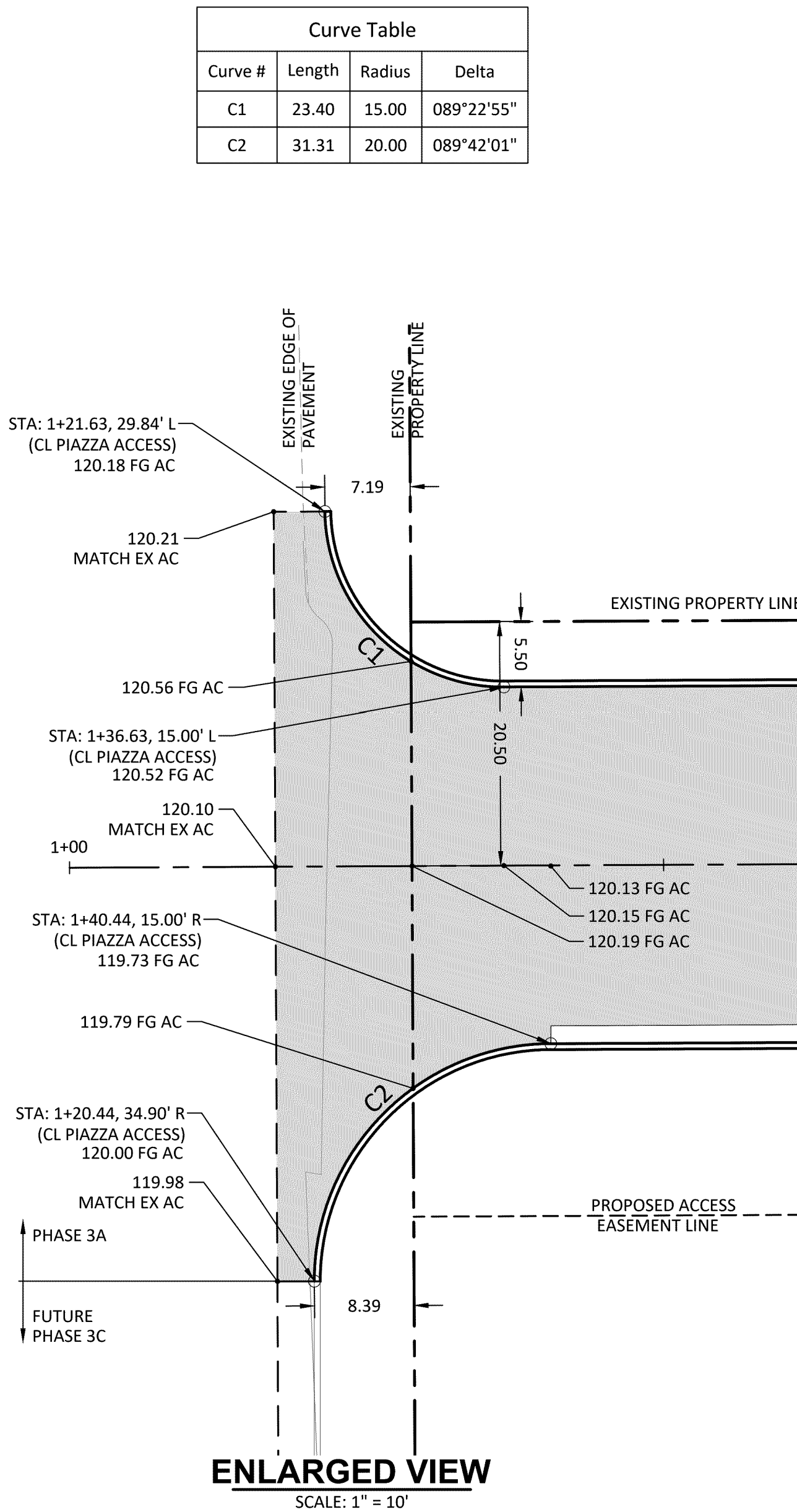
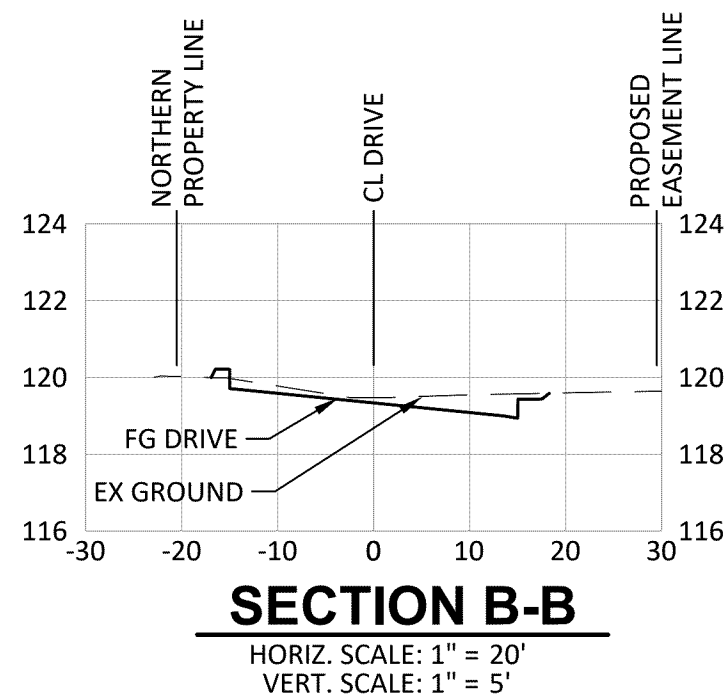
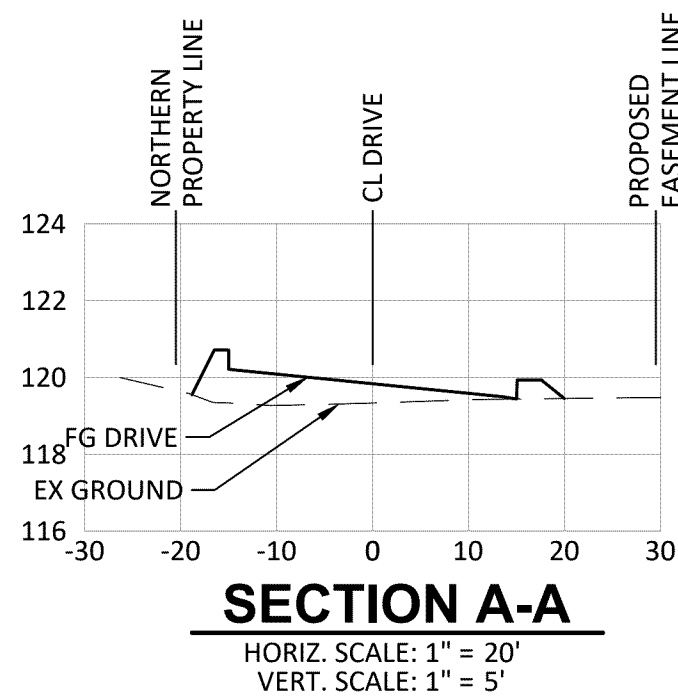
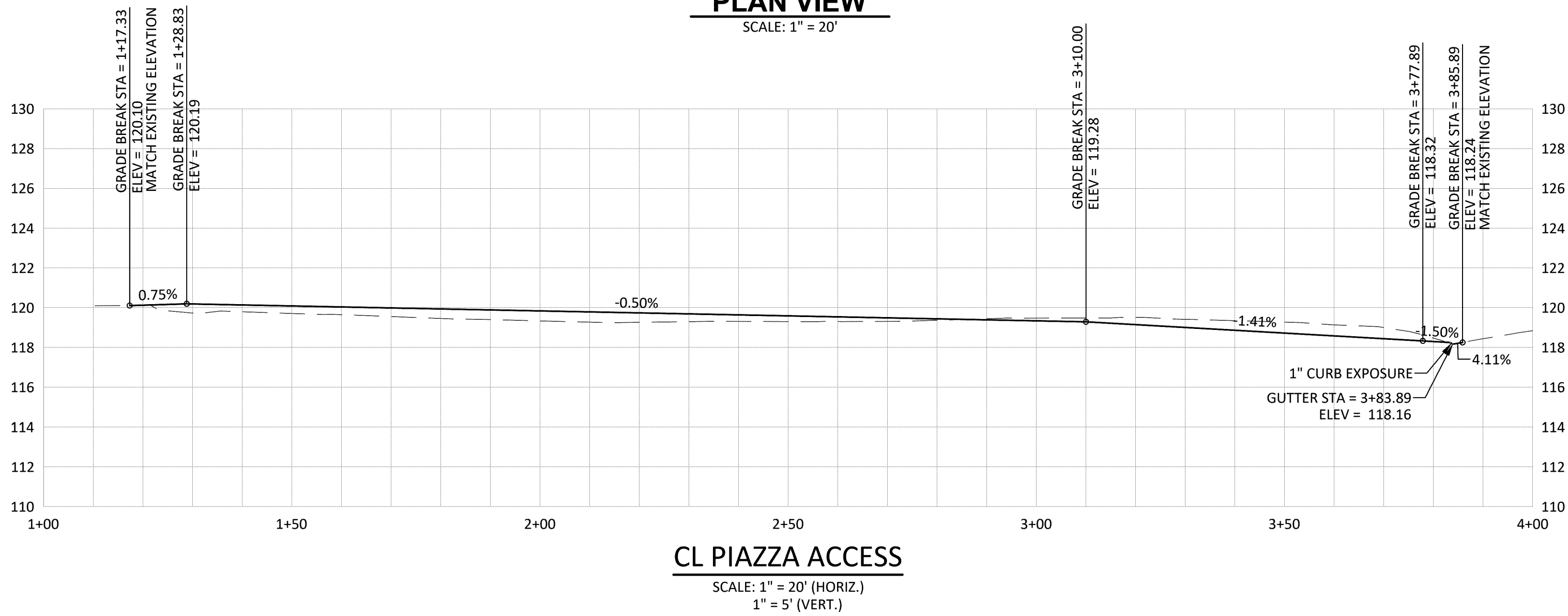
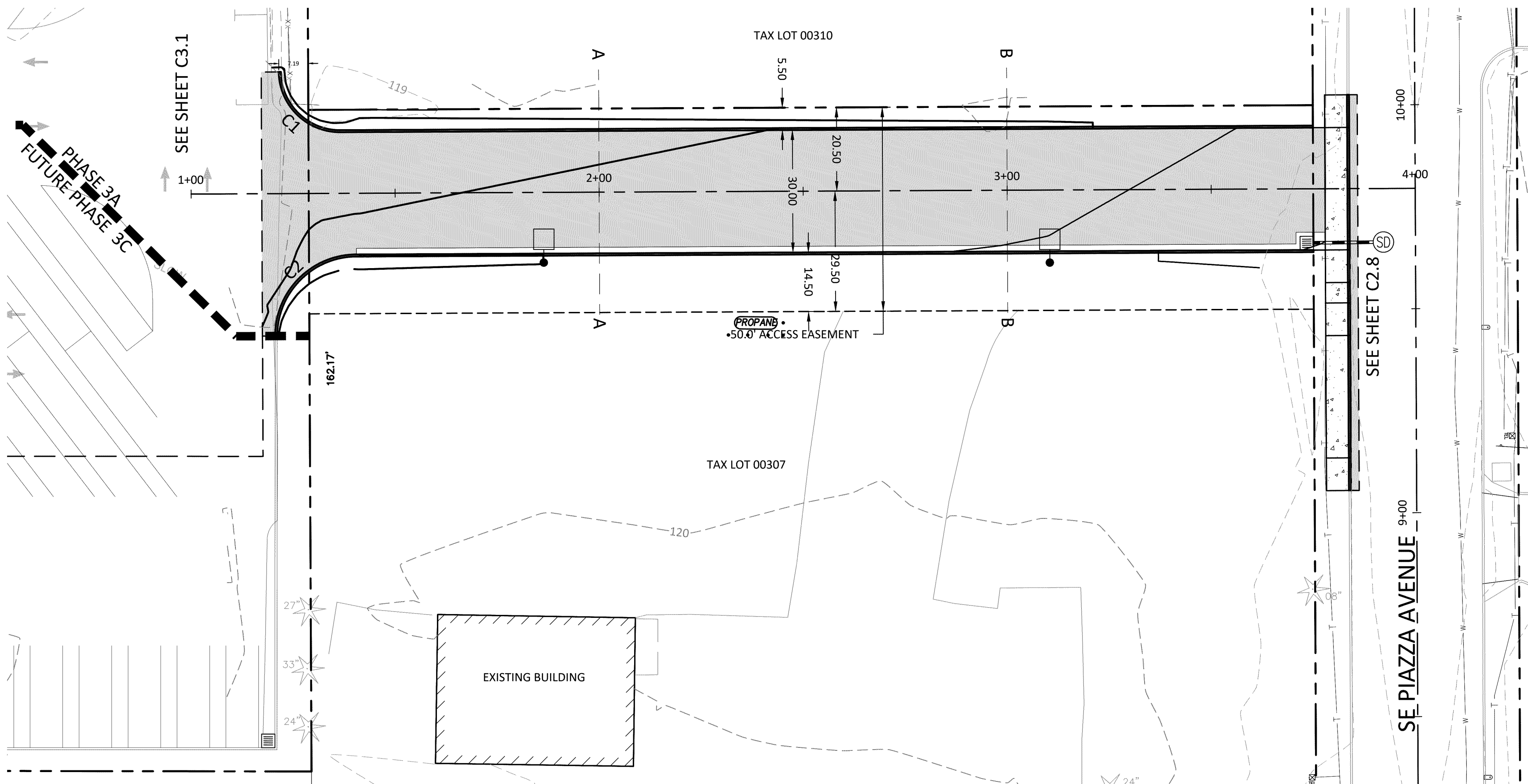
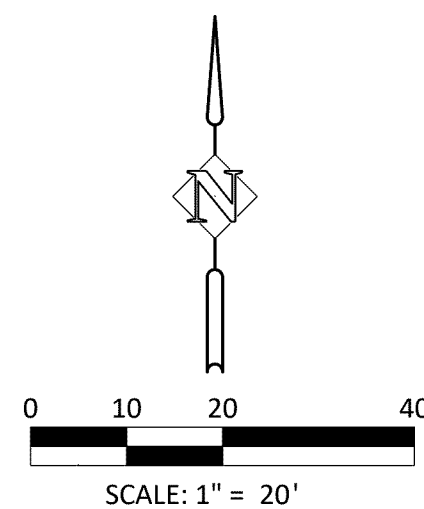
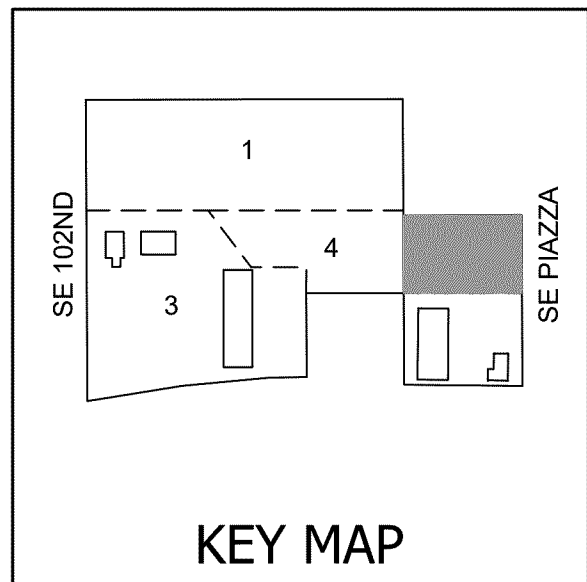
NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15610 SE 102ND AVE, CLACKAMAS, OR 97015
SITE PLAN

11003.05.1
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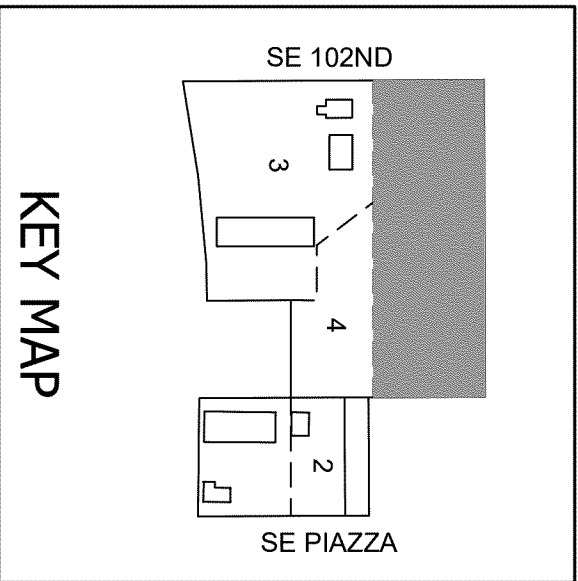
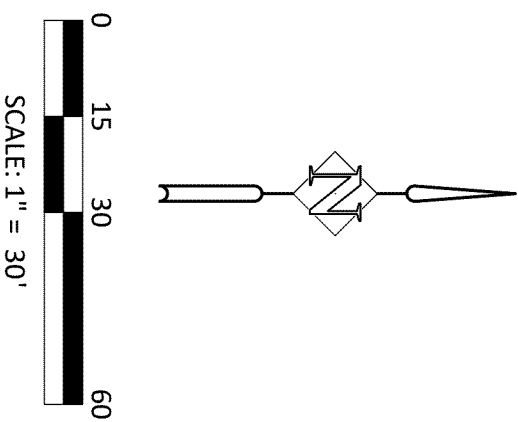
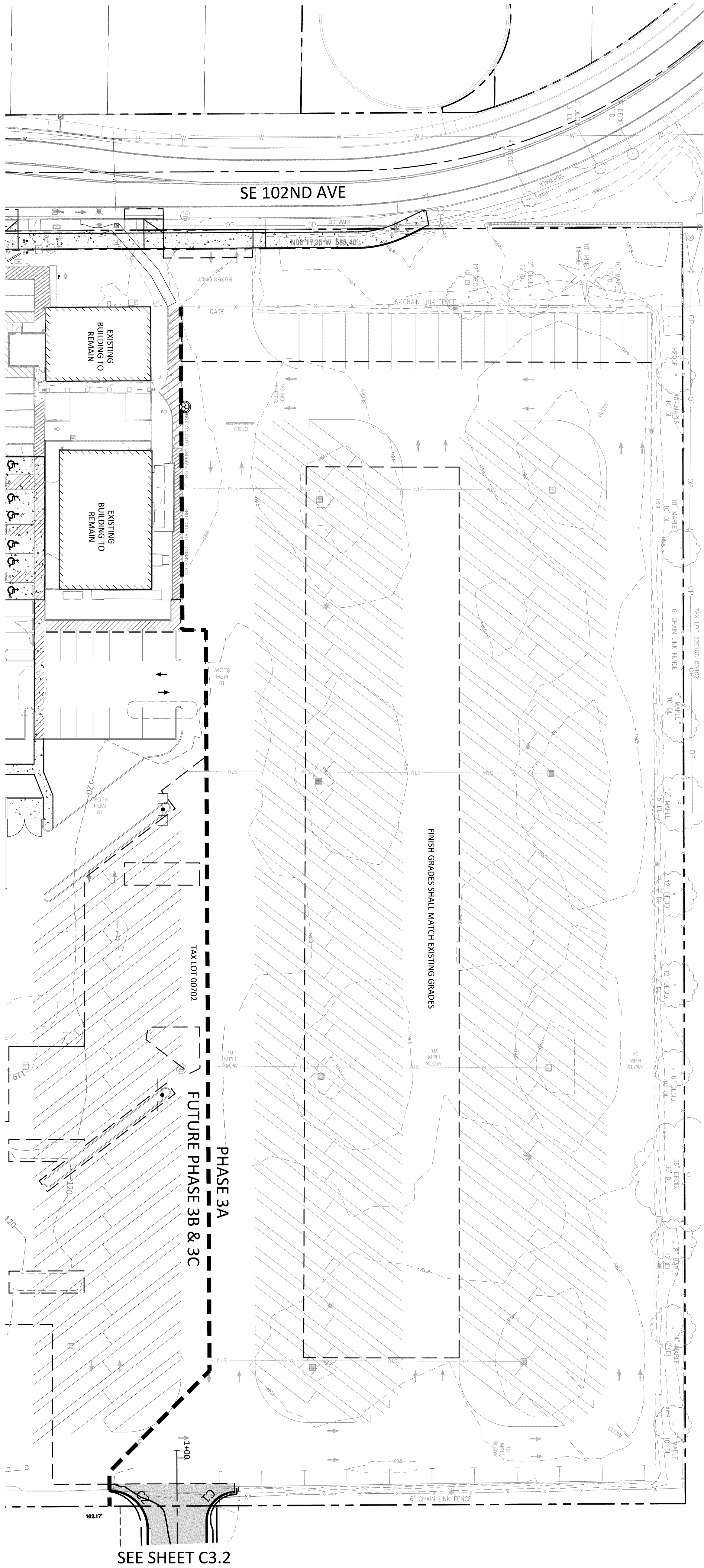
C2.2

PHASE 3A
BID SET

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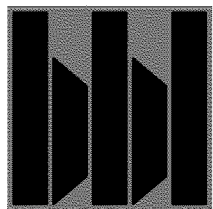


Curve Table			
Curve #	Length	Radius	Delta
C1	23.40	15.00	089°22'55"
C2	31.31	20.00	089°42'01"



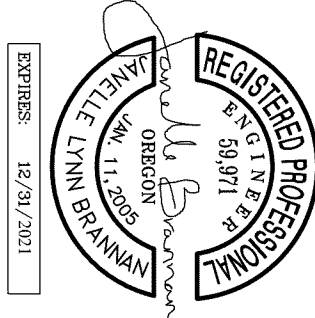
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NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15610 SE 102ND AVE, CLACKAMAS, OR 97015
GRADING PLAN



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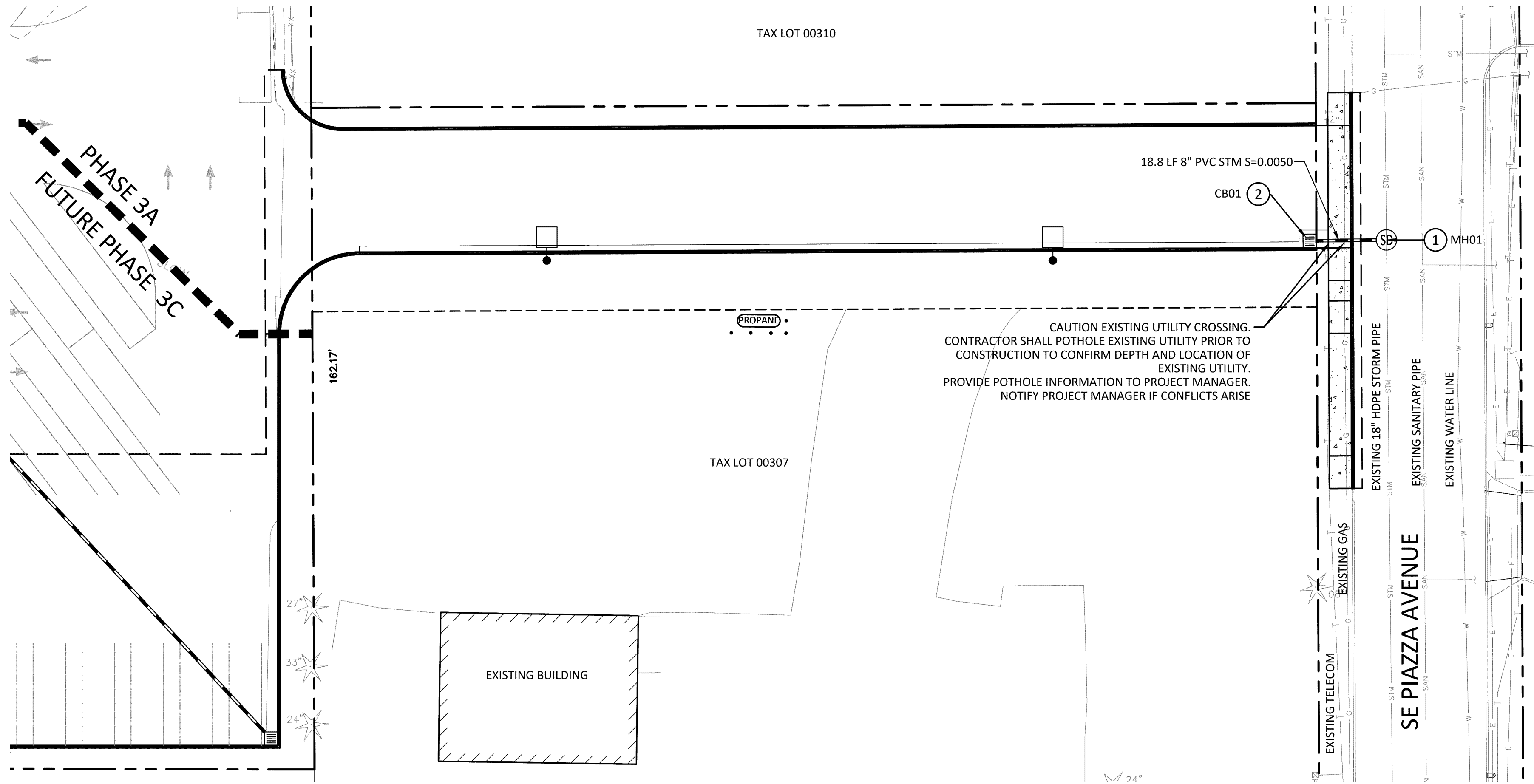
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C3.1

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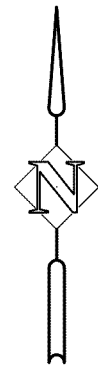
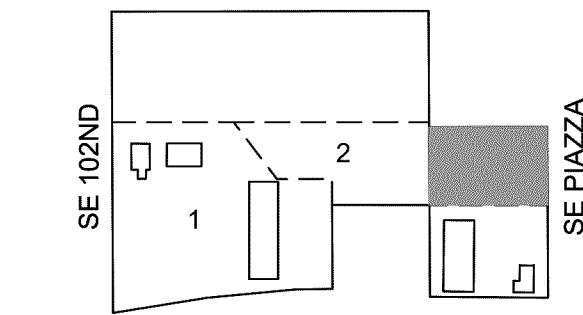
PHASE 3A
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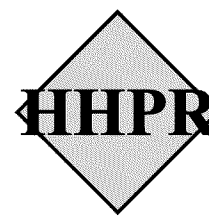


STORM DRAINAGE DATA	
STRUCTURE	DESCRIPTION
CB01	LYNCH STYLE CATCH BASIN RIM: 118.00 8" IE OUT (E): 116.21
MH01	48" STANDARD MANHOLE RIM: 118.42 8" IE IN (W): 116.12 EX. 18" IE IN (S): 114.62 EX. 18" IE IN (N): 114.61

STORM CONSTRUCTION NOTES:

1. INSTALL 48" STANDARD MANHOLE OVER EXISTING 18" STORM LINE. CONTRACTOR SHALL POTHOLE TO CONFIRM LOCATION AND DEPTH OF EXISTING STORM PIPE. SEE STORM DATA TABLE BELOW FOR MANHOLE ELEVATIONS. SEE MANHOLE DETAIL ON SHEET C5.3.
2. INSTALL 24" LYNCH CATCH BASIN PER DETAIL ON SHEET C5.0. SEE STORM DATA TABLE FOR ELEVATIONS.

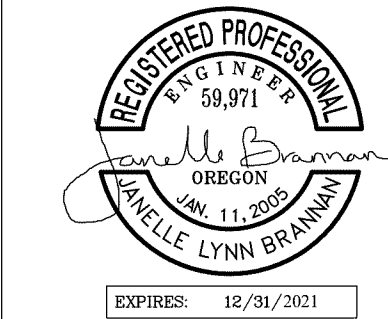




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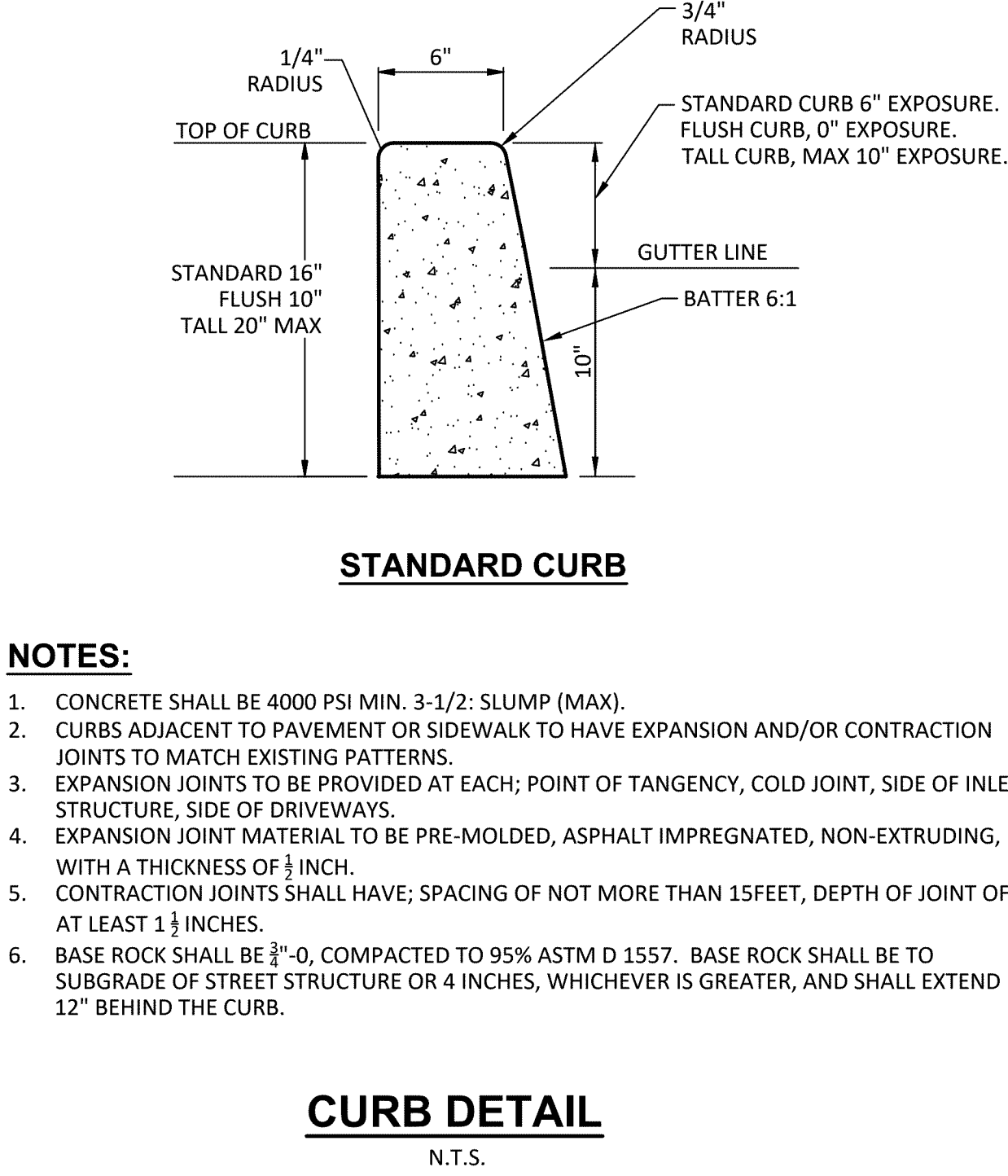
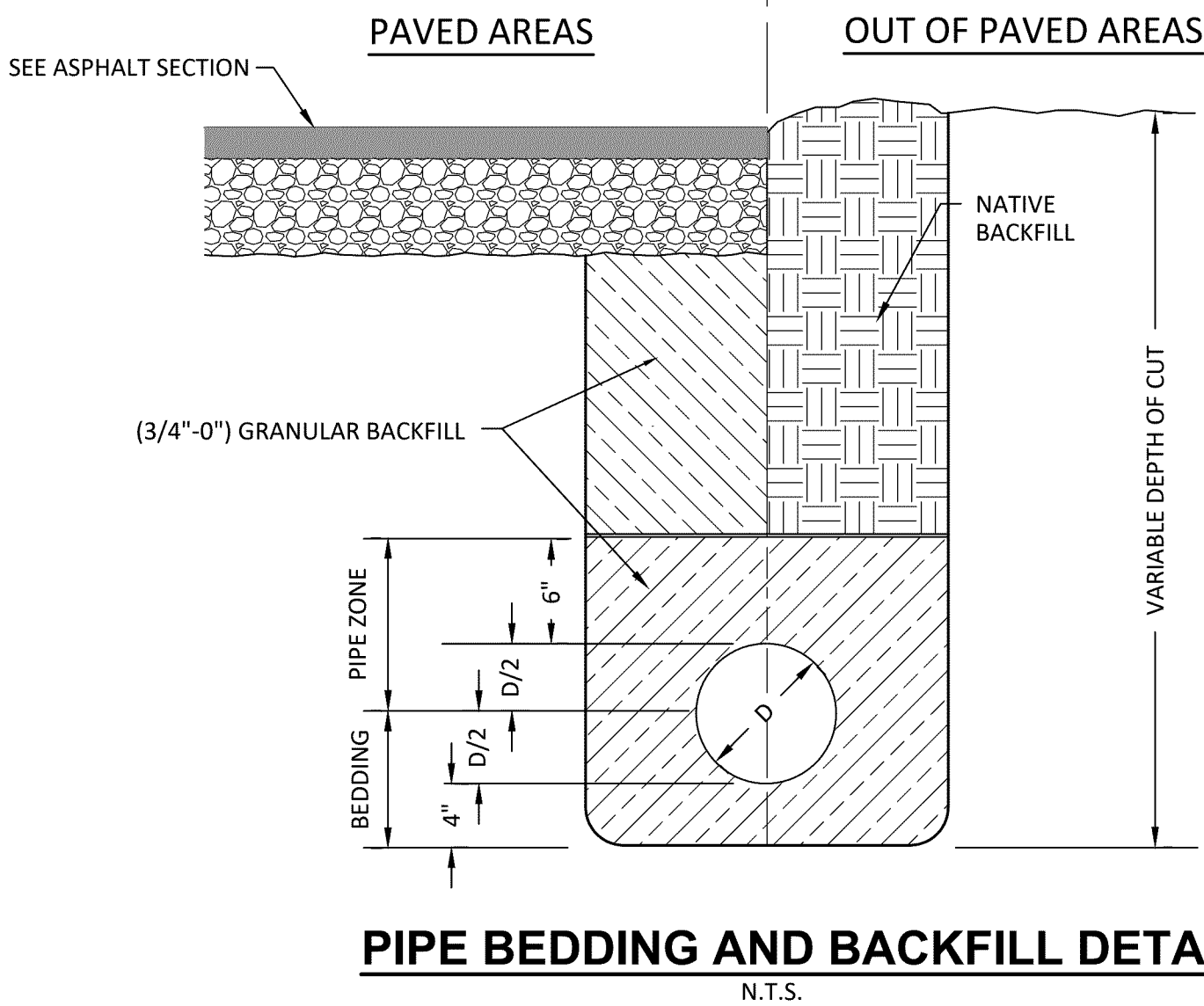
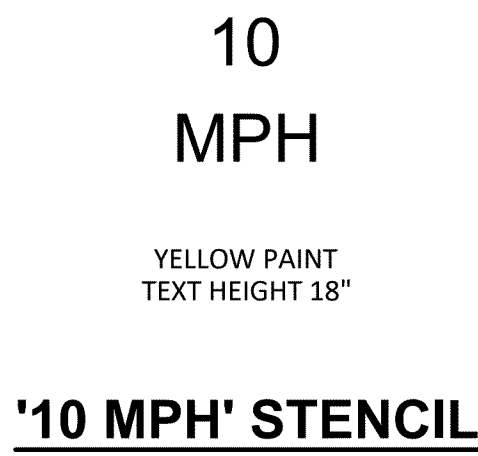
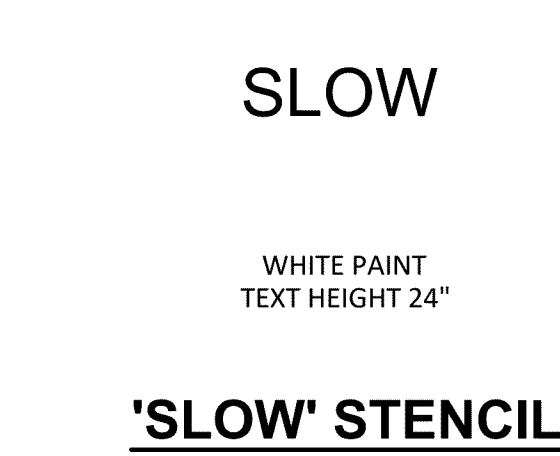
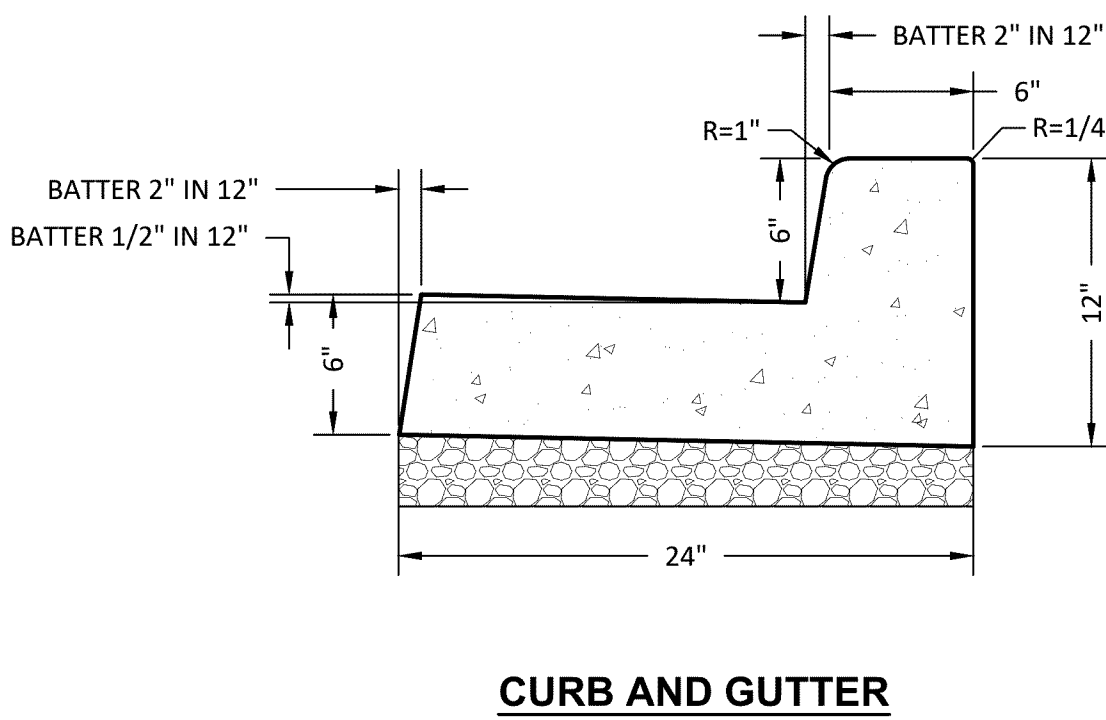
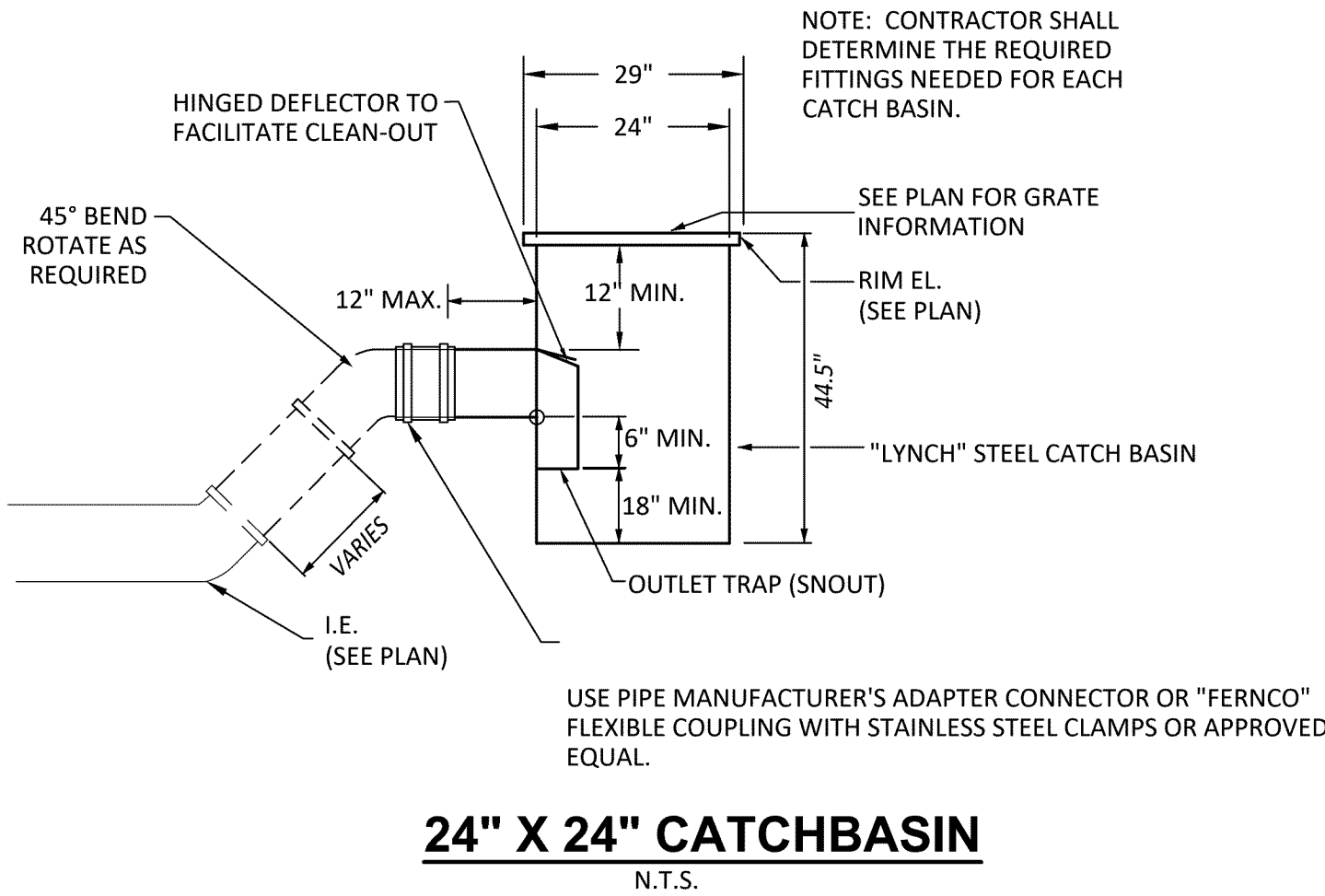
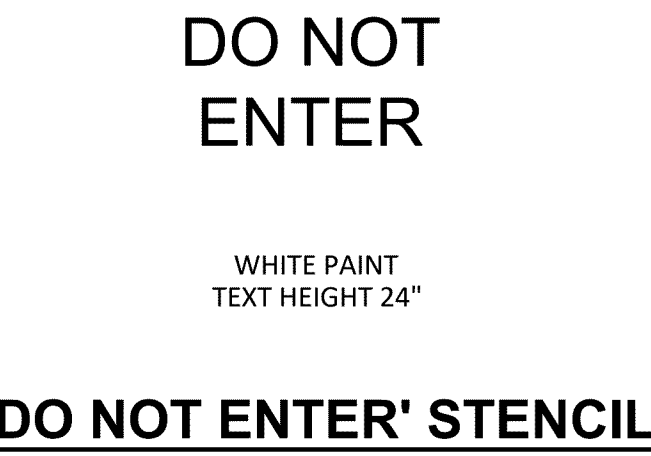
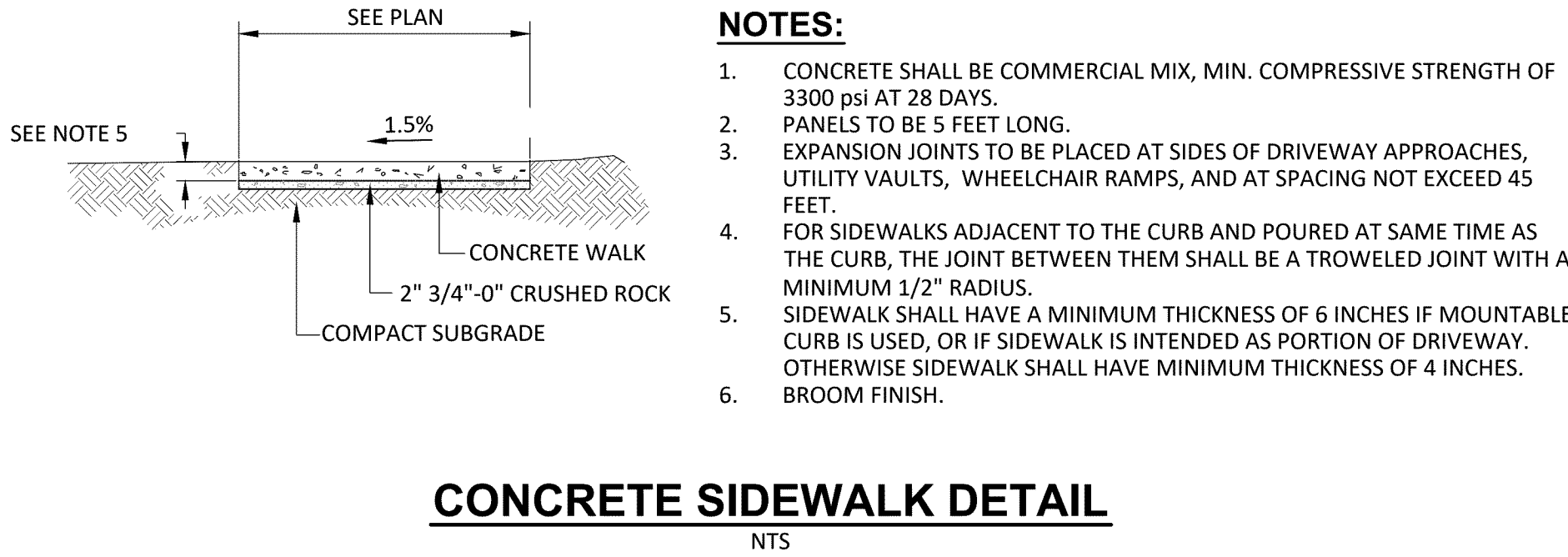
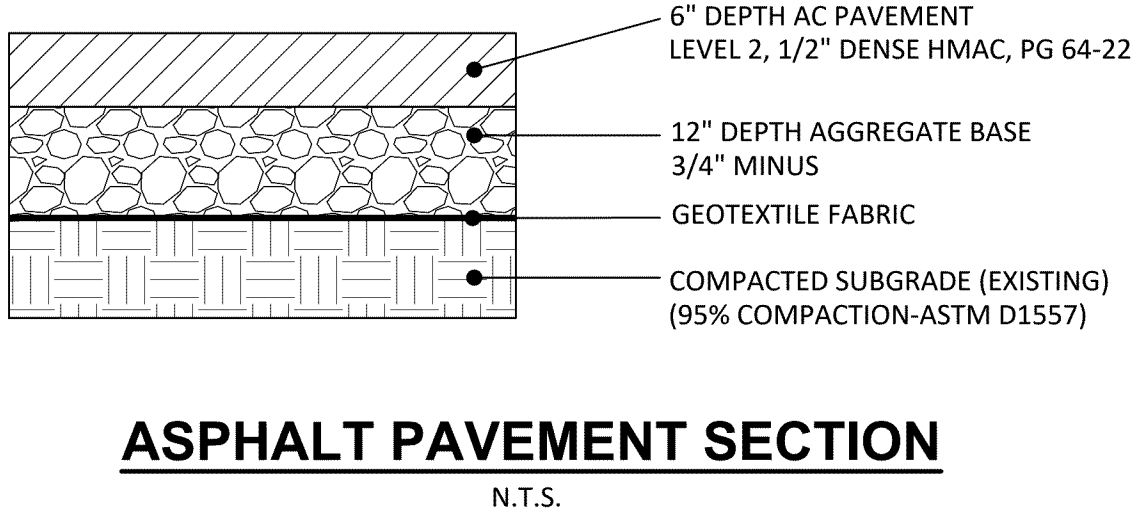
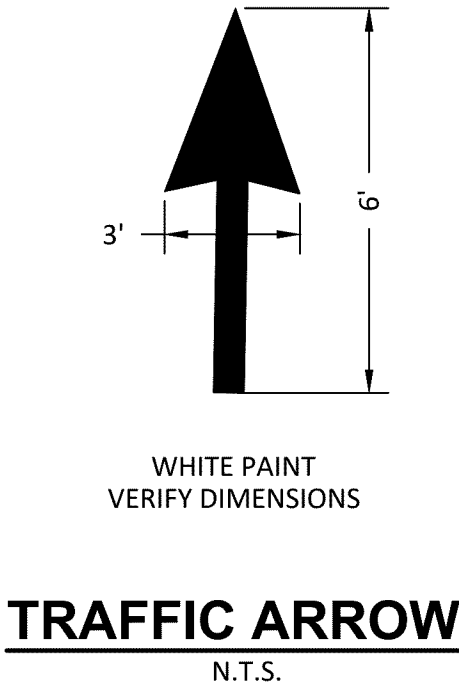
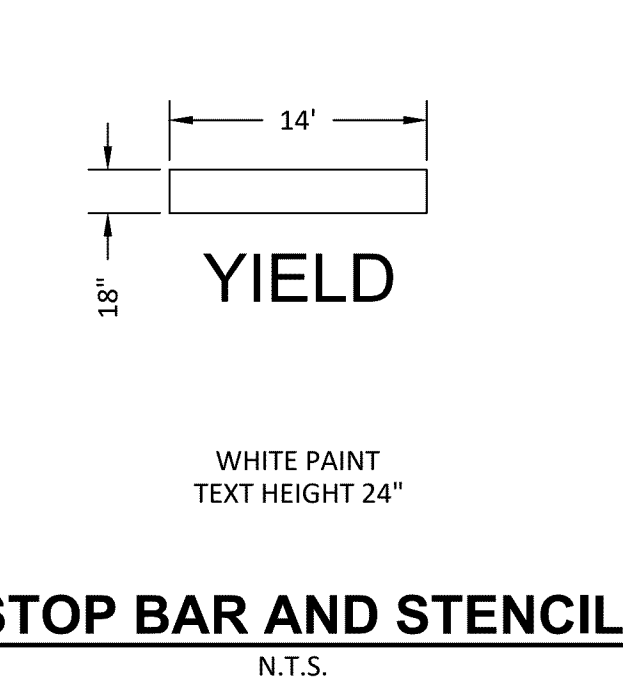
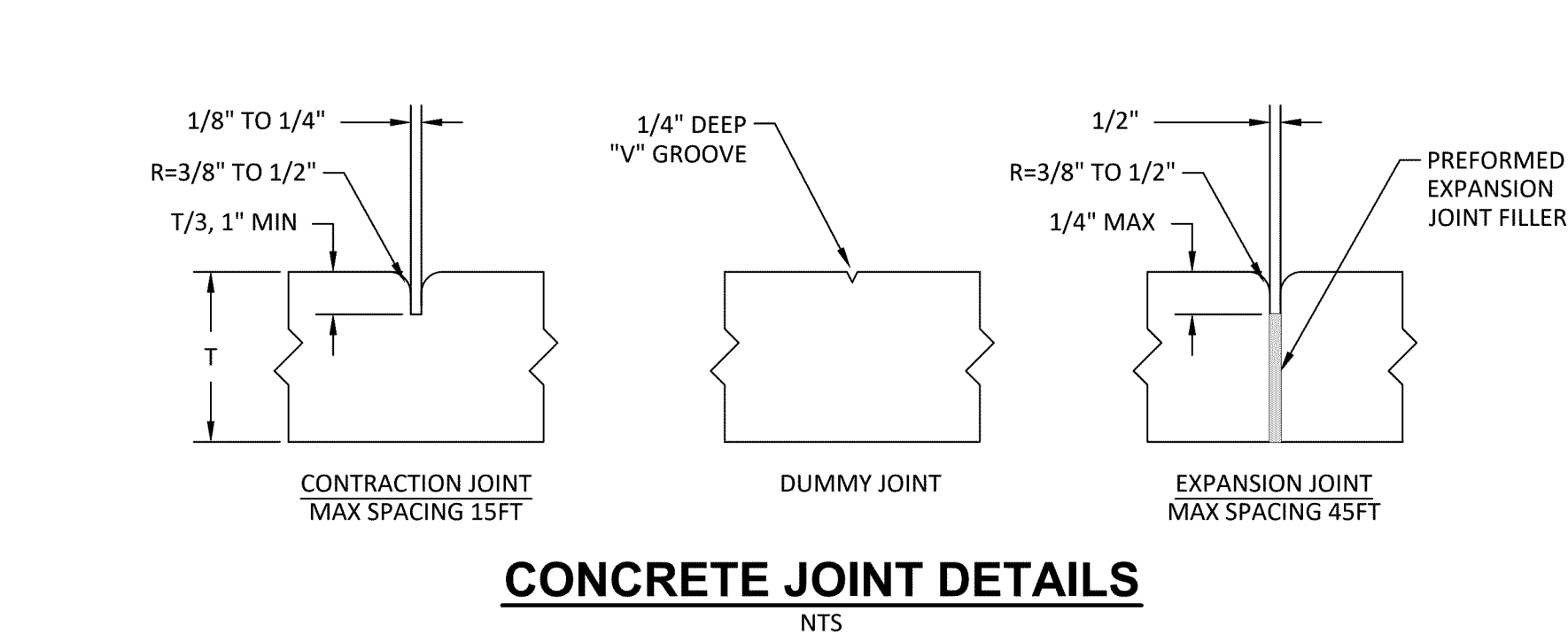
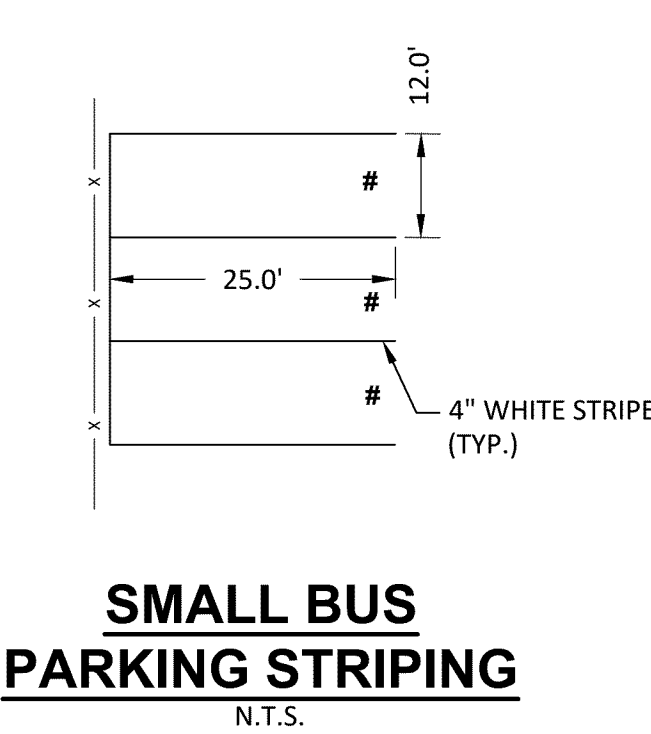
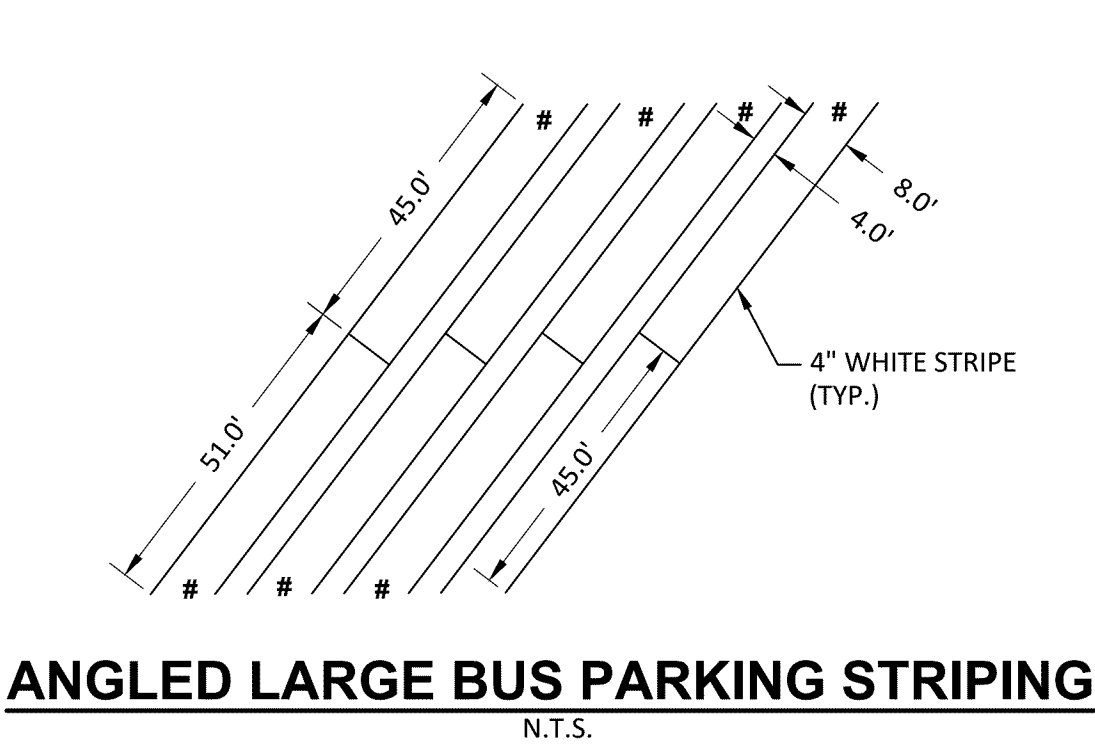
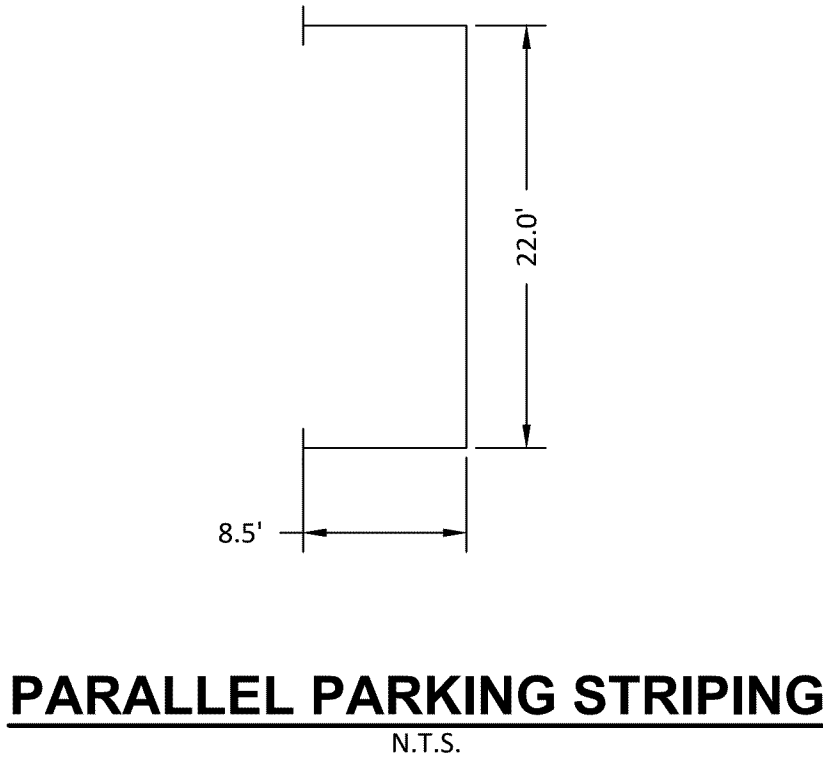
BBL ARCHITECTS
ARCHITECTURE ■ PLANNING ■ INTERIOR DESIGN

NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15610 SE 102ND AVE, CLACKAMAS, OR 97015
DRAINAGE PLAN

11003.00.1
PROJECT NUMBER
7 FEB 2020
DATE
REVISIONS

C4.0

PHASE 3A
BID SET




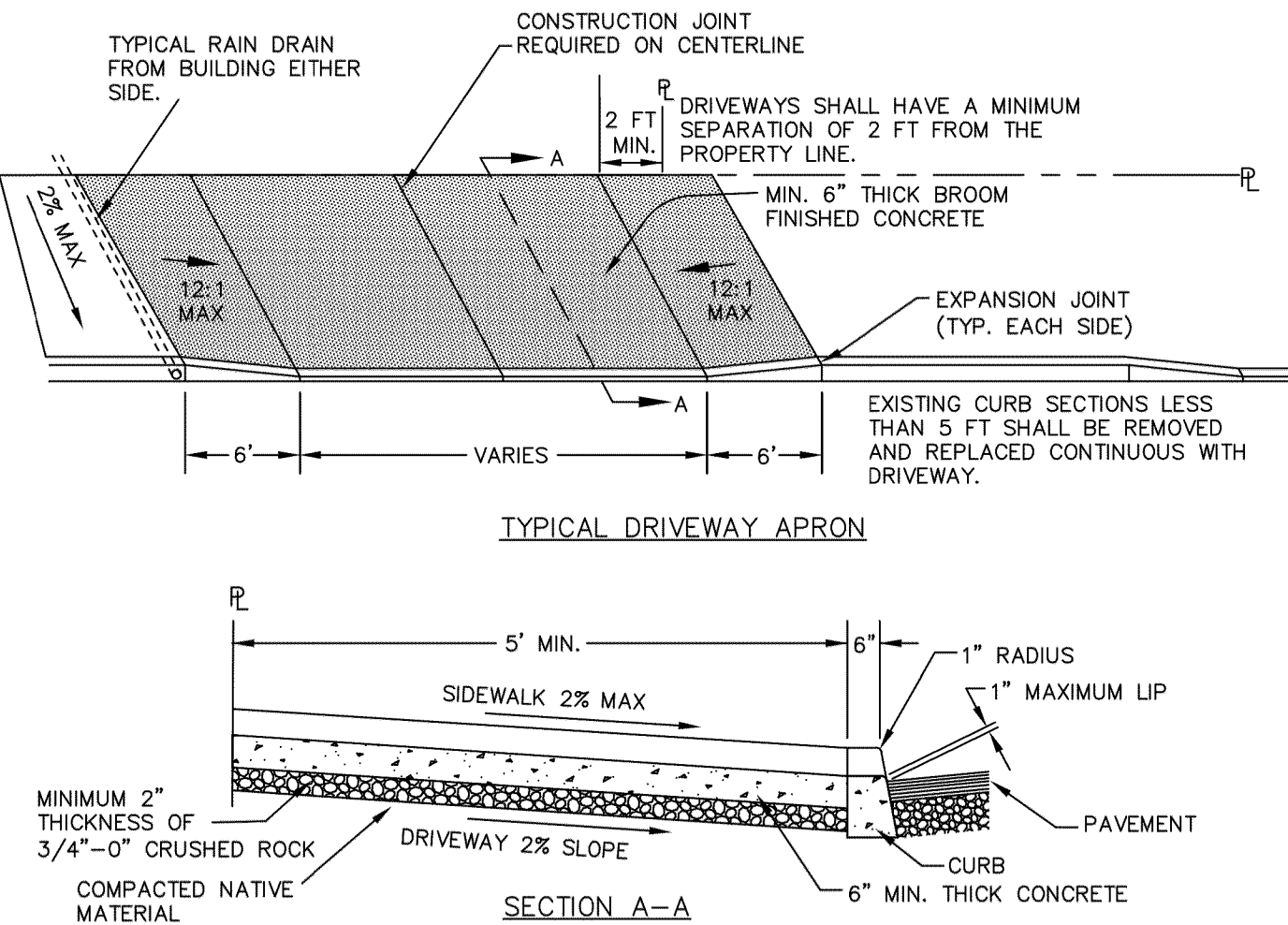
GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND THE APPLICABLE PROVISIONS OF THE CLACKAMAS COUNTY ROADWAY STANDARDS. IMPROVEMENTS DEPICTED ON THESE PLANS ARE IN CONFORMANCE WITH COUNTY LAND USE ACTION CASEFILE _____ (INSERT PLANNING FILE NUMBER, EXAMPLE- 20123-03-D).
2. IN ORDER TO PROTECT UNDERGROUND FACILITIES, EXCAVATORS PERFORMING THE WORK SET FORTH ON THESE PLANS MUST COMPLY WITH THE PROVISIONS OF ORS 757.557 (REQUIRES CONTRACTOR TO NOTIFY THE ORIGIN UTILITY NOTIFICATION CENTER AT LEAST 48 HOURS, BUT NO MORE THAN 10 BUSINESS DAYS, PRIOR TO ANY EXCAVATION).
3. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS IS APPROXIMATE AND SHOWN FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION. NOTIFY ENGINEER AND DTD, ENGINEERING OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ADDITIONAL UNDERGROUND UTILITIES MAY EXIST.
4. VERTICAL DATUM: (INSERT BENCH MARK ELEVATION).
5. TOPOGRAPHIC SURVEY BY: (INSERT LICENSED SURVEYOR'S OR ENGINEER'S COMPANY AND NAME).
6. TRENCHES WITHIN THE RIGHTS-OF-WAY SHALL BE BACKFILLED WITH LOW STRENGTH CONTROLLED DENSITY FILL (CDF) WHEN:
 - TRENCHES ARE WITHIN THE ROADWAY OF ALL ARTERIALS AND COLLECTOR CLASSIFIED ROADS;
 - THE AFFECTED ROADWAY SURFACE IS NEWER THAN FIVE (5) YEARS FROM THE TIME OF THE LAST OVERLAY; WITHOUT REGARD TO THE ROADWAY CLASSIFICATION;
 - DEEMED NECESSARY BY THE COUNTY ROAD OFFICIAL.

WHEN TRENCHES ARE EXEMPT FROM USE OF CDF THE ROADWAY TRENCH SHALL BE BACKFILLED WITH AN APPROVED GRANULAR MATERIAL CONFORMING TO ODOT/APWA CLASS B SPECIFICATIONS. SEE SECTION 311 AND 312 OF THE CLACKAMAS COUNTY UTILITY REGULATION FOR SPECIFICATIONS, LOCATED WITHIN COUNTY CODE.


7. TRENCHES OUTSIDE OF RIGHTS-OF-WAY MAY BE BACKFILLED IN ACCORDANCE WITH NATIVE MATERIAL AND COMPACTOR SPECIFICATIONS FOR 000T/APWA CLASS A BACKFILL.
8. VEGETATION AND TOPSOIL ARE TO BE STRIPPED TO MINERAL EARTH (AND INSPECTED BY THE COUNTY) PRIOR TO PLACEMENT OF FILL OR BASE MATERIALS.
9. IN ADDITION TO ANY REQUIRED COMPACTION TESTING, THE COUNTY REQUIRES A PROOF ROLL WITH A FULLY LOADED 10-YARD DUMP TRUCK TO CHECK SUBGRADE COMPACTION PRIOR TO PLACEMENT OF ROCK SUBBASE AND AGAIN AT THE COMPLETION OF THE PLACEMENT OF THE BASE ROCK PRIOR TO PAVING THE FIRST LIFT OF ASPHALT CONCRETE.
10. ASPHALTIC CONCRETE MIX IS TO BE BATCHED FROM A MIX FORMULA APPROVED BY OSHD FOR MATERIAL USED. PAVING CONTRACTOR SHALL PROVIDE A CERTIFICATE OF COMPLIANCE FROM ASPHALT PAVEMENT PLANT.
11. SUBSEQUENT SETTLEMENT OR CRACKING OF FINISHED SURFACE WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A FAILURE OF THE SUBGRADE AND REPAIRED AT NO COST TO THE COUNTY AND IN A MANNER ACCEPTABLE TO THE COUNTY.
12. THE CONTRACTOR SHALL CONTROL TRAFFIC THROUGH THE PROJECT SITE IN CONFORMANCE WITH THE LATEST EDITION OF THE UNIFORM TRAFFIC CONTROL DEVICES, AND OREGON SUPPLEMENTS. THE CONTRACTOR SHALL, AT ALL TIMES, MAINTAIN LOCAL ACCESS FOR EMERGENCY VEHICLES, BUSINESSES, BUSES, AND HOMEOWNERS ALONG THE PROJECT SITE.
13. THE CONTRACTOR AND/OR SUB-CONTRACTOR SHALL HAVE A MINIMUM OF ONE (1) SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION PHASES.
14. CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, TOPSOIL, AND OTHER MATERIAL ENCOUNTERED DURING THE CONSTRUCTION OF THE ROADWAY AND WHERE INDICATED ON THE PLANS. MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, REGIONAL AND STATE REGULATIONS AT FACILITIES AUTHORIZED TO ACCEPT SUCH MATERIAL. CONTACT THE CLACKAMAS COUNTY COMMUNITY ENVIRONMENT SECTION AT 503-742-4400 FOR DISPOSAL OPTIONS.
15. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL EARTHWORK, TRENCH BACKFILL, AND ROAD CONSTRUCTION AND GEOTECHNICAL TESTING AND SOILS TESTING LAB AS REQUIRED FOR ACCEPTANCE OF PROJECT WORK BY CLACKAMAS COUNTY.

REVISION	DATE	BY	 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT 150 BEAVERCREEK ROAD OREGON CITY, OR 97045	APPROVAL DATE: 2/1/13	SCALE: N.T.S.	STANDARD DRAWING N100
EDIT SPACING	12/12	RN		STANDARD NOTES GENERAL		



NOTES

1. LOCATION AND WIDTH TO BE APPROVED BY THE COUNTY ON A SITE SPECIFIC BASIS. PLACE A MARKER, AS INDICATED, AT THE CENTER OF THE PROPOSED DRIVEWAY FOR INITIAL INSPECTION BY THE COUNTY.
2. RESIDENTIAL DRIVEWAY WIDTH SHALL BE MIN. 12' TO 35' MAX.
3. COMMERCIAL DRIVEWAY WIDTH SHALL BE MINIMUM 28' FOR TWO LANES AND 40' FOR THREE LANES.
4. MATERIALS USED IN CONSTRUCTION SHALL CONFORM TO CURRENT ODOT/APWA STANDARD SPECIFICATIONS.
5. AT CORNER LOTS, DRIVEWAY ENTRANCE SHALL BE PLACED ON THE SECONDARY ROADWAY AND NO PORTION OF THE DRIVEWAY SHALL BE PERMITTED WITHIN 25 FEET OF THE PROPERTY CORNER OR INTERSECTION OF RIGHT-OF-WAY LINES.
6. A MINIMUM OF 50 FEET MUST SEPARATE DRIVEWAY APPROACHES (CENTERLINE TO CENTERLINE) FOR CIRCULAR DRIVEWAYS.
7. INSTALL CULVERT PIPE PER STANDARD DRAWING D250, IF REQUIRED.
8. SPECIFICATIONS FOR CONCRETE AND MISC. MATERIALS USED IN CONSTRUCTION SHALL CONFORM TO CURRENT ODOT/APWA STANDARD SPECIFICATIONS. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 P.S.I. IN 28 DAYS.
9. COMMERCIAL DRIVEWAYS SHALL HAVE 6" MINIMUM THICKNESS CONCRETE WITH 6" x 6" 10 GAUGE WELDED WIRE FABRIC.
10. PROVIDE SIGHT DISTANCE PER STANDARD DRAWING T300 AND SECTION 240.


REVISION	DATE	BY	 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT 150 BEAVERCREEK ROAD OREGON CITY, OR 97045	APPROVAL DATE: 2/1/13	SCALE: N.T.S.	STANDARD DRAWING D600
EDIT 2" ROCK	12/12	RN		STANDARD DRIVEWAY TO CURBED COUNTY		
				ROADS WITH NO LANDSCAPE STRIP		

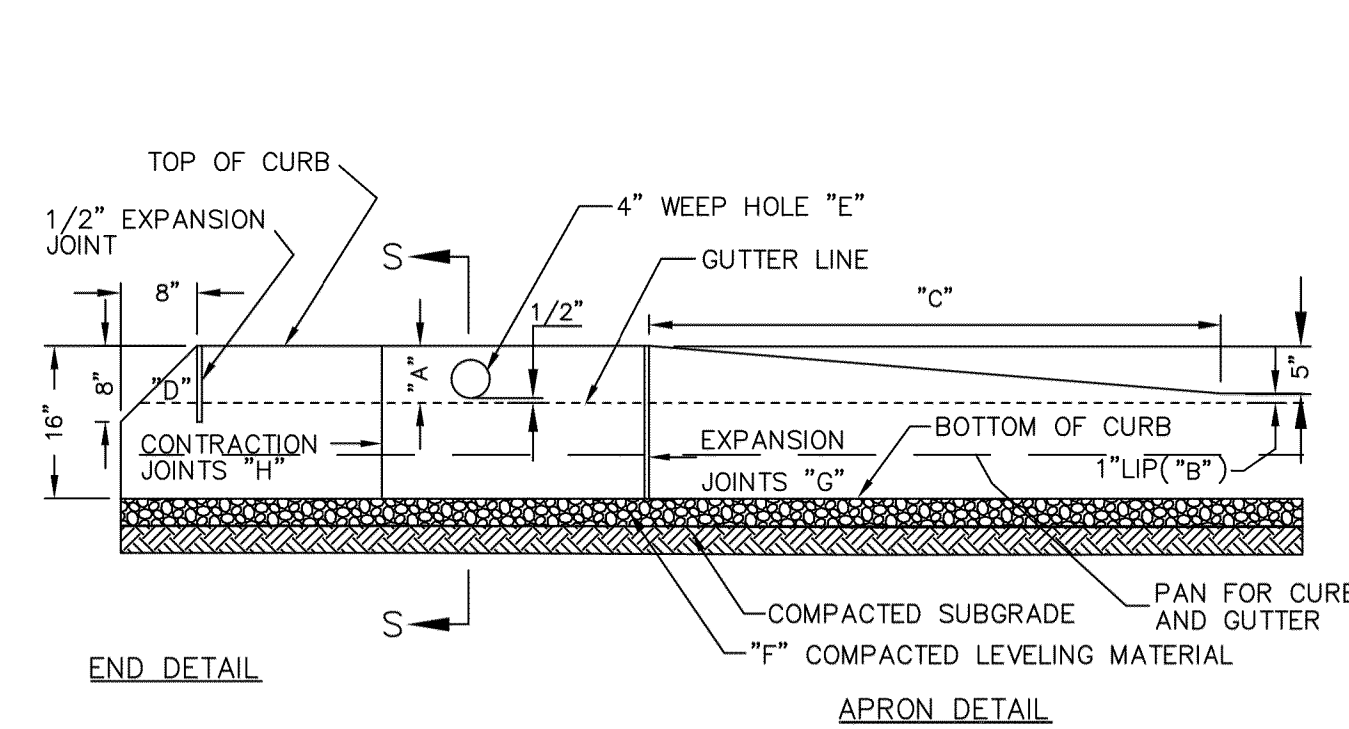
GENERAL NOTES (CONTINUED)

16. THE CONTRACTOR SHALL CAREFULLY MAINTAIN BENCHMARKS, PROPERTY CORNERS, MONUMENTS, AND OTHER REFERENCE POINTS PURSUANT TO ORS 209.140 AND ORS 209.150. IF SUCH POINTS ARE DISTURBED OR DESTROYED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND PAY FOR THEIR REPLACEMENT BY EMPLOYING A PROFESSIONAL LAND SURVEYOR TO RESET PROPERTY CORNERS & OTHER SUCH MONUMENTS.
 17. EXCESS EXCAVATED MATERIAL SHALL BE HAULED AND DISPOSED OF AT SITES PROVIDED BY THE OWNER AND APPROVED PURSUANT TO A CLATSOP COUNTY GRADING PERMIT. FILL SITES SHALL BE LEVELLED AND GRADED TO DRAIN. THE CONTRACTOR SHALL CORRECT ANY FILL RELATED CONDITIONS.
 18. AT THE PRECONSTRUCTION MEETING, PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL PRESENT A LIST OF SUBCONTRACTORS, A PROJECT SCHEDULE, A TRAFFIC CONTROL PLAN AND A LIST OF AT LEAST THREE PEOPLE, WITH PHONE NUMBERS, RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL DURING NON-WORK PERIODS.
 19. FINAL CLEANUP - PRIOR TO FINAL ACCEPTANCE AND PAYMENT, THE CONTRACTOR SHALL CLEAN THE WORK SITE AND ADJACENT AREAS OF ANY DEBRIS, DISCARDED ASPHALTIC CONCRETE MATERIAL OR OTHER ITEMS DEPOSITED BY THE CONTRACTOR'S PERSONNEL DURING THE PERFORMANCE OF THIS CONTRACT.
 20. THE LOCATION OF ABOVE GROUND IMPROVEMENTS (EXISTING AND PROPOSED) SHALL NOT CONFLICT WITH THE REQUIRED SIDEWALK WIDTHS, ROADWAY IMPROVEMENTS, AND REQUIRED SIGHT DISTANCE.
- (ADDITIONAL NOTES SHALL BE ADDED SPECIFIC TO THE PROJECT.)

GRADING NOTES


1. FILLS IN LOT A557 SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY ASTM TEST D1557-91, METHOD A, OR AN APPROVED EQUIVALENT. THE APPLICANT SHALL BE RESPONSIBLE FOR MAKING THE NECESSARY ARRANGEMENTS FOR SUCH TESTING AND FOR SUPPLYING THE RESULTS TO CLACKAMAS COUNTY.
2. ALL FILLS MUST BE PLACED CONSISTENT WITH SECTION 10 OF THE EXCAVATION AND GRADING ORDINANCE. SITE PREPARATION MUST INCLUDE THE REMOVAL OF VEGETATION, NON-COMPLYING FILL, TOPSOIL, OR OTHER UNSUITABLE MATERIAL PRIOR TO PLACEMENT OF THE FILL. FILL SLOPES SHALL NOT EXCEED A GRADE OF TWO HORIZONTAL TO ONE VERTICAL.
3. ALL CUTS SHALL BE MADE CONSISTENT WITH SECTION 9 OF THE EXCAVATION AND GRADING ORDINANCE. NO CUT SHALL EXCEED A GRADE OF TWO HORIZONTAL TO ONE VERTICAL UNLESS APPROVED BEFOREHAND BY THE PROJECT GEOTECHNICAL ENGINEER AND CLACKAMAS COUNTY.
4. APPROPRIATE BENCHING OF FILLS IS REQUIRED FOR FILLS OVER FIVE FEET IN HEIGHT ON SLOPES IN EXCESS OF FIVE VERTICAL TO ONE VERTICAL. BENCHING MUST BE DONE IN ACCORDANCE WITH THE APPROVED PLANS. CLACKAMAS COUNTY SHALL INSPECT BENCHES PRIOR TO FILL PLACEMENT.
5. CUT AND FILL SLOPES SHALL BE PROTECTED FROM EROSION. SUCH CONTROL MAY CONSIST OF APPROPRIATE REVEGETATION OR OTHER ACCEPTABLE MEANS AND METHODS. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTHWORK OR SITE STRIPPING AS REQUIRED BY THE LOCAL SURFACE WATER MANAGEMENT AUTHORITY.
6. THE CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL BY CALLING 503-742-4700 ANYTIME FOR REQUIRED INSPECTIONS AT THE FOLLOWING STAGES OF CONSTRUCTION:
 - A. INSPECTION OF SITE STRIPPING, PRIOR TO FILL PLACEMENT. EROSION CONTROL MEASURES SHALL BE IN PLACE AT THIS TIME.
 - B. AFTER THE PLACEMENT OF EACH 300 CUBIC YARDS OF FILL.
 - C. IN PREPARATION OF BENCH CONSTRUCTION PRIOR TO FILL PLACEMENT.
 - D. AFTER THE MAJORITY OF FILL HAS BEEN PLACED AND IS IN 'ROUGH' GRADE PRIOR TO FINAL WHEN FINAL GRADING IS COMPLETE.
 - E. DURING FINAL GRADING, PRIOR TO BASE ROCK AND PAVEMENT CONSTRUCTION.
7. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE RELOCATION (AS NECESSARY) OF EXISTING UTILITIES DUE TO ANY CUT/FILL OPERATIONS. COORDINATION SHALL TAKE PLACE PRIOR TO INITIATION OF WORK.

REVISION	DATE	BY	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT 150 BEAVERCREEK ROAD OREGON CITY, OR 97045  CLACKAMAS COUNTY	APPROVAL DATE: 2/1/13	SCALE: N.T.S.	STANDARD DRAWING N200
MT SPACING	12/12	RN		STANDARD NOTES GENERAL (CONTINUED) & GRADING NOTES		
MT TITLE	12/12	RN				



NOTES

1. "A" CURB EXPOSURE, STANDARD 6", VARY AS SHOWN ON TYPICAL SECTION, OR AS DIRECTED.
- "B" CURB EXPOSURE ADJACENT TO DRIVEWAY, STANDARD 1", OR AS DIRECTED.
- "C" DRIVEWAY APRON W/IN, STANDARD RESIDENTIAL & COMMERCIAL 5" MIN, OR AS DIRECTED.
- "D" END CURB SECTION, TOP TO BE REMOVED UPON EXTENSION OF CURB.
- "E" WEEP HOLE, 4" PLASTIC DRAIN PIPE OR APPROVED EQUIVALENT, LOCATED AS INDICATED ON THE PLANS OR AS DIRECTED. DRAIN PIPE SHALL HAVE A BELL OR A 3" EXTENSION, FOR FUTURE HOOK-UP.
- "F" LEVELING COURSE, 3/4"-0" or 1/2"-0" CRUSHED ROCK, 4" MIN.
- "G" EXPANSION JOINTS, MAX. 45' SPACING AND AT BEGINNING AND END OF CURVES OR AS DIRECTED.
- "H" CONTRACTION JOINTS, MAX. 15' SPACING AND AT LOCATIONS AS DIRECTED.
- SECTION S-S
-
2. CURB TO BE CLASS 3300 PORTLAND CEMENT CONCRETE.
3. CONCRETE AND MISC. MATERIALS USED IN CURB CONSTRUCTION SHALL CONFORM TO CURRENT GOVT. STANDARD SPECIFICATIONS FOR CONSTRUCTION.
4. IF GUTTER SLOPE OR CURB LINE IS LESS THAN 1% DETAIL S150 SHALL BE USED.


REVISION	DATE	BY	<div>DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT</div> <div>150 BEAVERCREEK ROAD OREGON CITY, OR 97045</div> <div></div>	APPROVAL DATE: 2/1/13	SCALE: N.T.S.	STANDARD DRAWING S100
NOT	NOTE 3	12/12		STANDARD TYPE 'C' VERTICAL CURB AND CURB DETAILS		

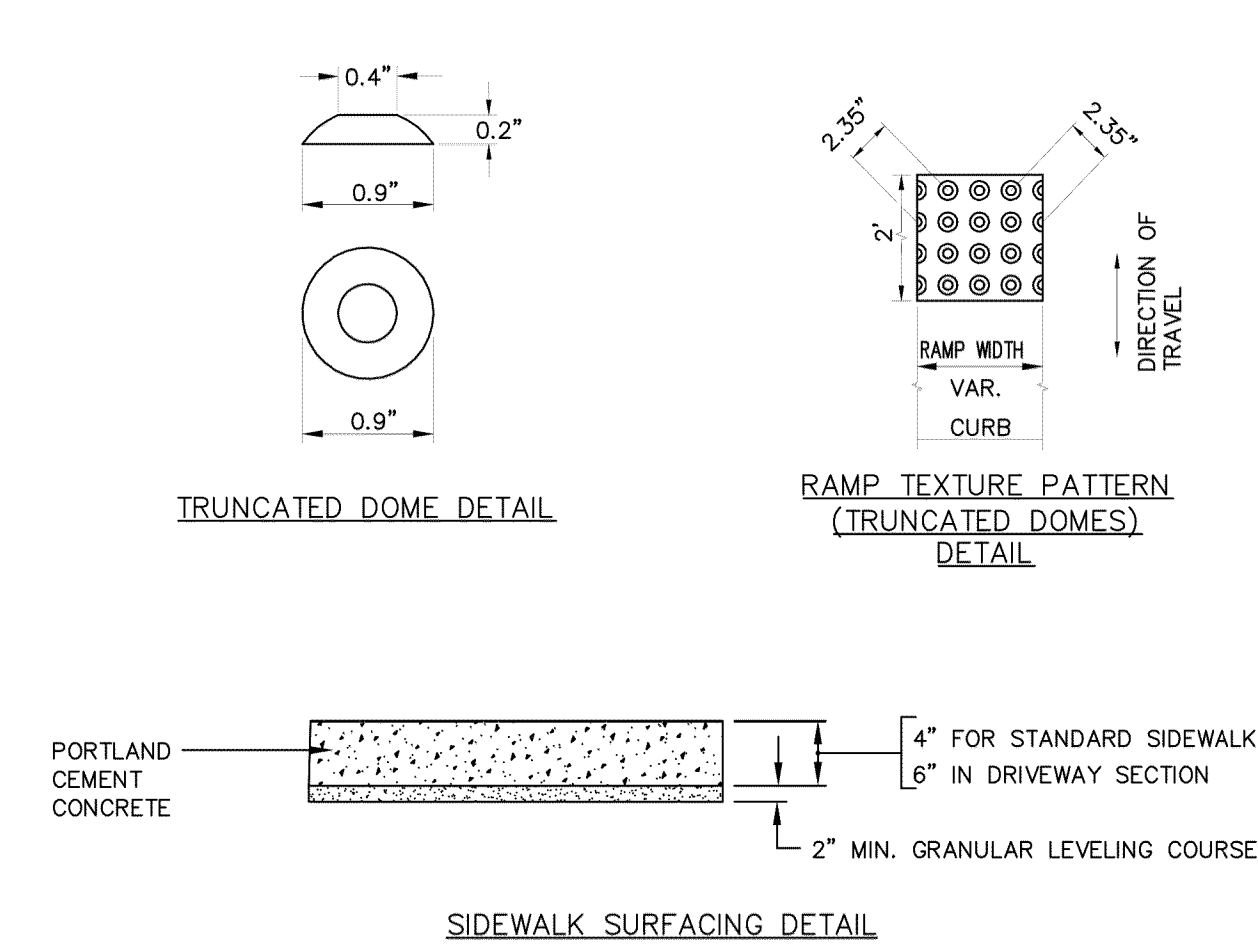
STREET & STORM DRAINAGE NOTES

1. STREET AND STORM DRAIN IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CLACKAMAS COUNTY ROADWAY STANDARDS AND THE APPROPRIATE SURFACE WATER DISTRICT. ALL STORM SEWER PIPES SHALL HAVE RUBBER GASKETS, WHICH SHALL PROVIDE A WATER TIGHT CONNECTION.
2. ALL TRENCH EXCAVATION SHALL CONFORM TO THE WATER ENVIRONMENT SERVICES PUBLICATION TITLED CLACKAMAS COUNTY SERVICE DISTRICT NO. 1 - STANDARD SURFACE WATER SPECIFICATION.
3. PIPE BEDDING AND PIPE ZONE SHALL CONFORM TO THE EXCAVATION AND BACKFILL DETAILS, AND SHALL BE 3/4"-0" CRUSHED ROCK.
4. COMPACTION SHALL BE PER ODOT/APWA STANDARD SPECIFICATIONS PART 3. CONTRACTOR TO DETERMINE TYPE OF EQUIPMENT AND THE METHOD USED TO ACHIEVE REQUIRED COMPACTION.
5. TRENCH BACKFILL OUTSIDE OF RIGHT-OF-WAYS OR PAVED AREAS MAY BE EXCAVATED TRENCH MATERIAL. TRENCH BACKFILL IN PAVED AREAS SHALL BE AN APPROVED GRANULAR MATERIAL.
6. MATERIAL IN SOFT SPOTS WITHIN THE ROADWAY SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A FIRM FOUNDATION AND SHALL BE REPLACED WITH 1-1/2"-0 CRUSHED ROCK. THE ENTIRE SUBGRADE SHALL BE THOROUGHLY COMPACTED TO 95% AASHTO T-99.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN SUBGRADE IS COMPLETE AND 24 HOURS PRIOR TO PLACEMENT OF BASE ROCK MATERIAL. CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER 24 HOURS PRIOR TO FINAL PAVING FOR INSPECTION OF THE WORK. CLACKAMAS COUNTY requires a PROOF ROLL WITH A HEAVY LOAD AND A PROOF ROLL TO CHECK SUBGRADE COMPACTION PRIOR TO PLACEMENT OF ROCK SUBBASE AND AGAIN AT THE COMPLETION OF THE PLACEMENT OF THE BASE ROCK PRIOR TO PAVING THE FIRST LIFT OF ASPHALT CONCRETE.
8. PRIVATE STORM WATER DETENTION SYSTEMS ARE NOT PERMITTED IN PUBLIC RIGHT-OF-WAY.

UTILITY NOTES


1. THE CONTRACTOR IS REQUIRED TO OBTAIN A UTILITY PLACEMENT PERMIT FOR UTILITY CONNECTIONS IN THE RIGHT-OF-WAY. CONTACT THE CLACKAMAS COUNTY ENGINEERING DEPARTMENT FOR A UTILITY PLACEMENT PERMIT. CONTACT THE COUNTY AT (503) 742-4400.
2. UTILITY TRENCHING IN CERTAIN CLACKAMAS COUNTY ROADWAYS IS REQUIRED, BY THE UTILITY SECTION OF THE ROAD DEPARTMENT, TO BE CONDUCTED IN A CONTROLLED DENSITY FILL (CDF). THE PIGMENT IN THE TRENCH AREA MUST BE SAWCUT PRIOR TO COMMENCING THIS WORK. THE CDF MUST CONFORM TO THE SPECIFICATIONS AS LISTED IN THE COUNTY DEPARTMENT OF TRANSPORTATION OFFICES. STEEL PLATING SHALL BE USED TO REINFORCE UNTIL CDF IS SET AND READY TO BE PAVED OVER. DEPENDING ON GROUND WATER LEVELS, TEMPERATURES AND THE VARIANCES IN THE FILL MATERIAL, IT COULD TAKE THE CDF ONE TO FOUR DAYS TO SET.
3. COPIES OF THE CDF MATERIAL DELIVERY SLIPS SHALL BE SUBMITTED FOR COUNTY RECORDS. SUBMIT COPIES TO THE ROAD PRESERVATION SECTION, CLACKAMAS COUNTY, 150 BEAVERCREEK RD, OREGON CITY, OR 97045.

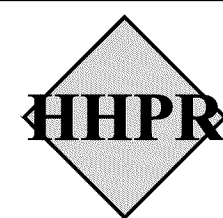
REVISION	DATE	BY	 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT 150 BEAVERCREEK ROAD OREGON CITY, OR 97045	APPROVAL DATE: 2/1/13	SCALE: N.T.S.	STANDARD DRAWING N300
EDIT SPACING	12/12	RN		STANDARD NOTES STREET, STORM, AND UTILITY		




NOTES

1. CONCRETE AND MISC. MATERIALS USED IN CONSTRUCTION SHALL CONFORM TO CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. DETECTABLE WARNINGS ON WALKING SURFACES AS PER ADA REQUIREMENTS.
2. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN (23 mm) A HEIGHT OF NOMINAL 0.2 IN (5 mm) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35in (60mm) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-OR-DARKER OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.
3. EXPANSION JOINT SPACING EVERY 45' MIN. OR AT EQUAL INTERVALS CORRESPONDING TO CURB LINE. CONTRACTION JOINT EVERY 15'. TOOLED JOINT EVERY 5 FEET.
4. THE SURFACE FINISH SHALL BE CROSS BROOMED.
5. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3300 PSI IN 28 DAYS.
6. APPROVAL MUST BE OBTAINED FROM ENGINEERING FOR SIDEWALK AT ANY LOCATION IN THE PUBLIC ROAD R/W.

REVISION	DATE	BY	 DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT 150 BEAVERCREEK ROAD OREGON CITY, OR 97045	APPROVAL DATE: 2/1/13	SCALE: N.T.S.	STANDARD DRAWING S960
EDIT NOTE 1	12/12	RN		STANDARD SIDEWALK & CURB RAMP NOTES & DETAILS		
EDIT NOTE 6	12/12	RN				



 **Harper
Houf Peterson
Righellis Inc.**

ENGINEERS • PLANNERS
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205 SE Spokane Street, Suite 200, Portland, OR 97202
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200 North State Street ■ Lake Oswego, Oregon 97034

NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3

5670 SE 102ND AVE. CLACKAMAS, OR 97015

REVISIONS

DETAILS

17003.08.L

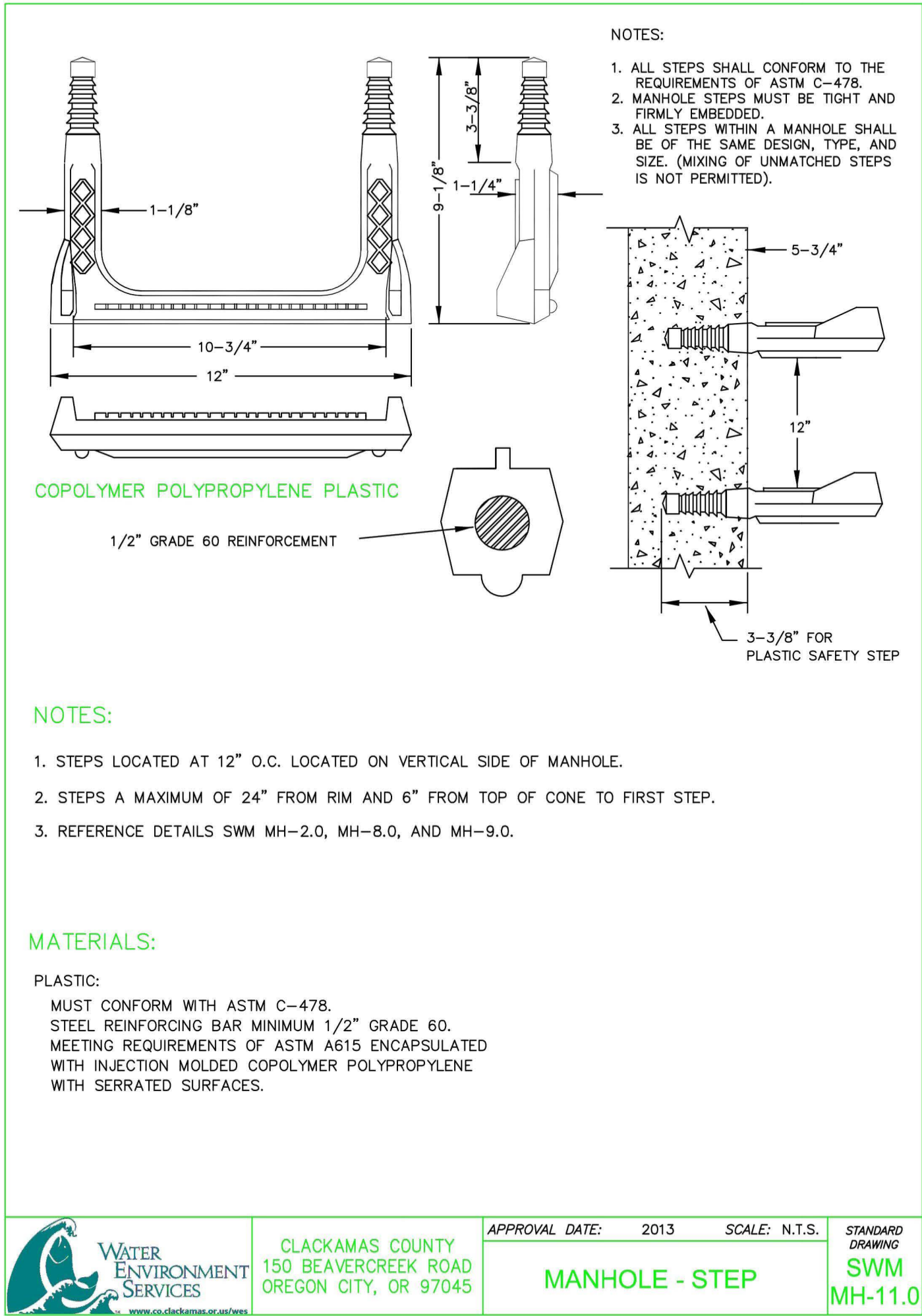
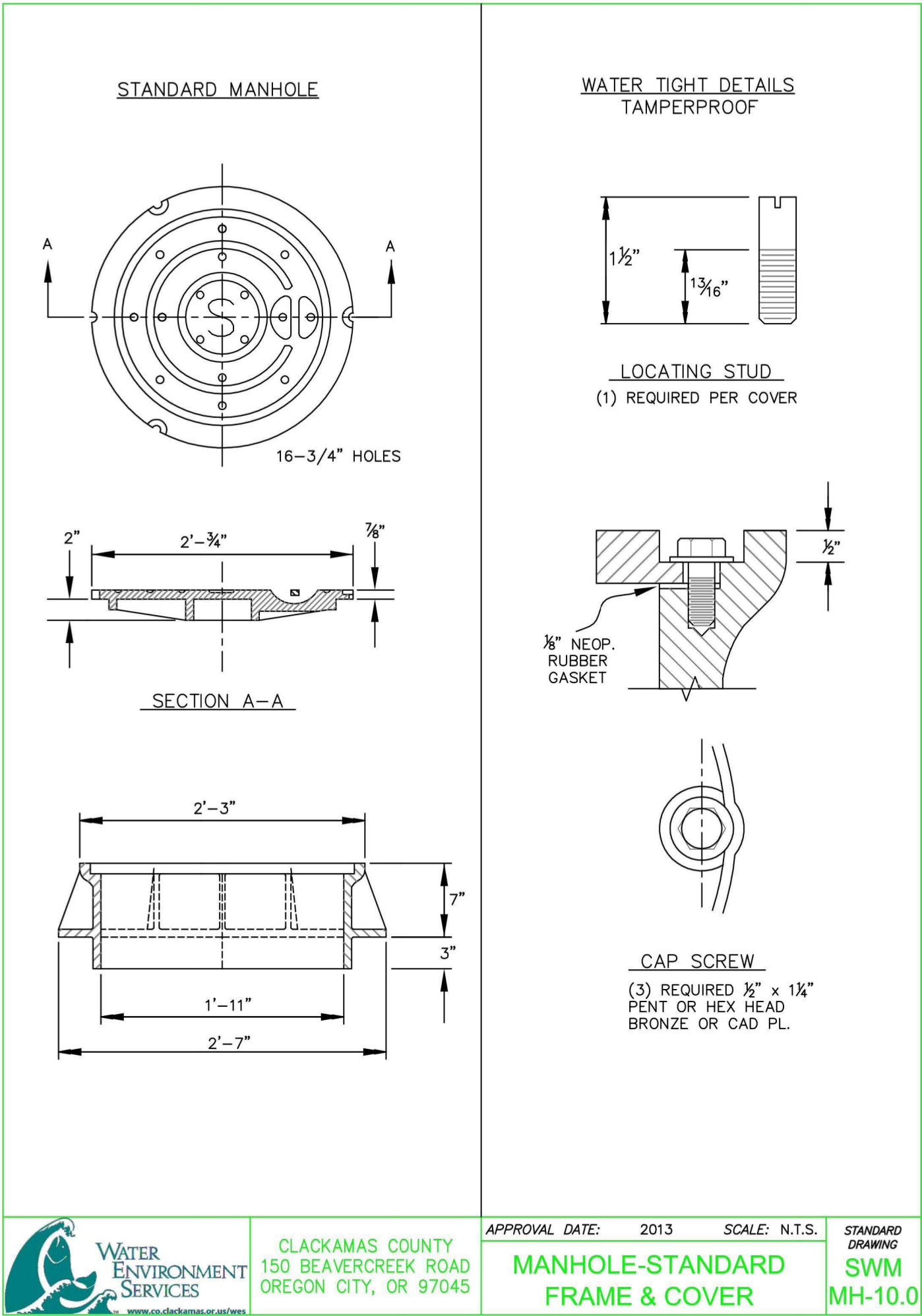
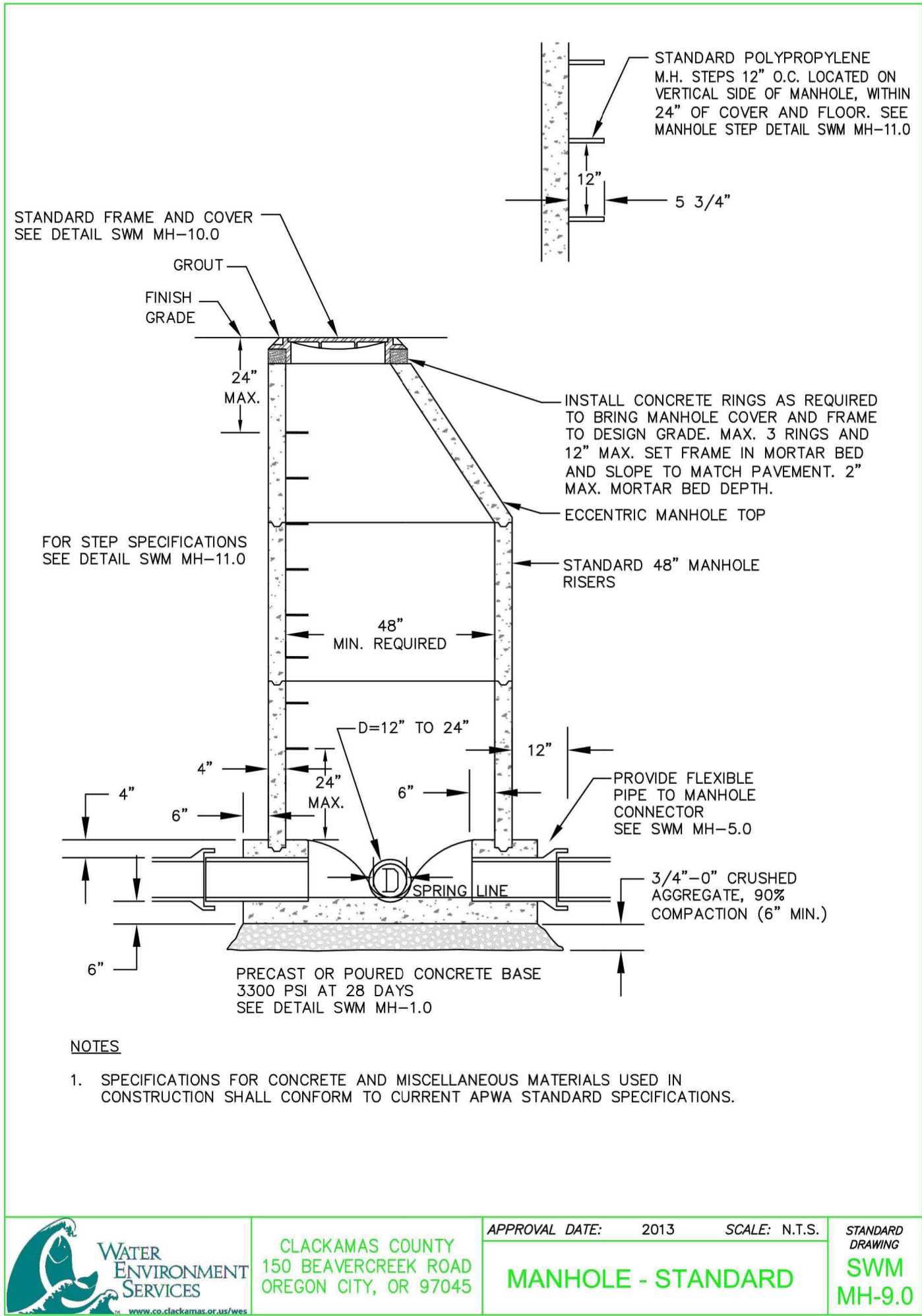
PROJECT NUMBER
7 FEB 2020

DATE _____

REVISIONS

C5.1

PHASE 3A
BID SET



Harper Houf Peterson Righellis Inc.

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205 SE Spokane Street, Suite 200, Portland, OR 97202
phone: 503.221.1131 www.hhpr.com fax: 503.221.1171

REGISTERED PROFESSIONAL
LANDSCAPE ARCHITECT
OR 59,971
JAN 11, 2005
MICHELLE LYNN BRANNAN
EXPIRES: 12/31/2021

BBL ARCHITECTS

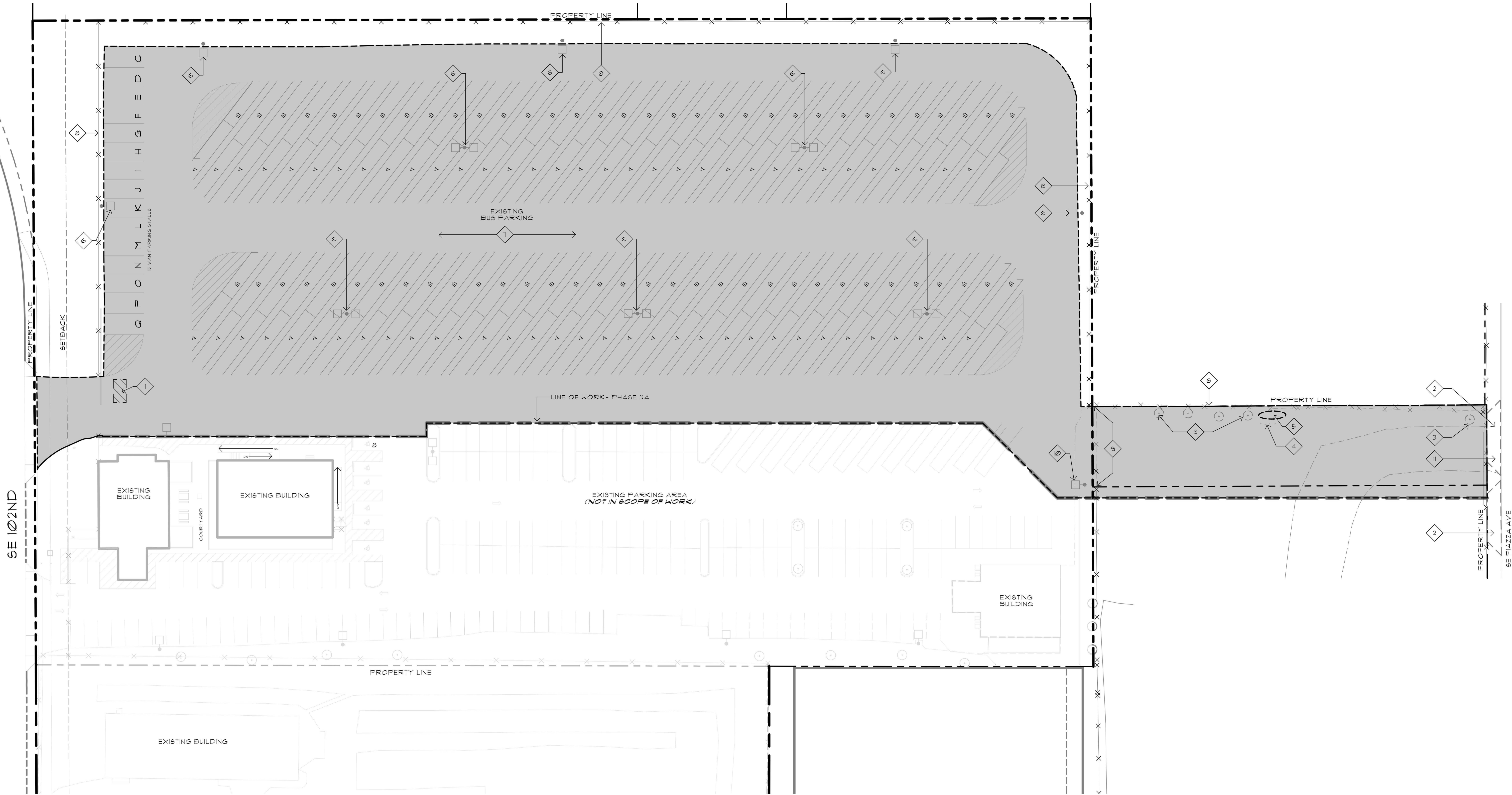
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NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15610 SE 102ND AVE, CLACKAMAS, OR 97015

17003.03.1
PROJECT NUMBER
1 FEB 2020
DATE
REVISIONS

C5.2



DEMOLITION NOTES

1. REMOVE EXISTING LOOP DETECTION SYSTEM AND SALVAGE FOR RELOCATION AT SAME LOCATION.
2. DEMOLISH EXISTING CONCRETE SIDEWALK, SEE CIVIL DRAWINGS.
3. DEMOLISH EXISTING TREES, SEE LANDSCAPE DRAWINGS.
4. DEMOLISH EXISTING BOLLARDS, SEE CIVIL DRAWINGS.
5. REMOVE EXISTING PROPANE TANK AND SALVAGE FOR RELOCATION AND ON MUTAL MATERIALS SITE.
6. EXISTING LIGHT POLE AND BASE TO REMAIN (PROTECT)
7. DEMOLISH EXISTING ASPHALT PAVING AT HATCHED AREA, SEE CIVIL DRAWINGS
8. EXISTING CHAIN LINK FENCING TO REMAIN (PROECT)
9. DEMOLISH EXISTING CHAIN LINK FENCING
10. REMOVE EXISTING LIGHT POLE AND BASE, SALVAGE FOR RELOCATION, SEE ELECTRICAL DRAWINGS
11. DEMOLISH EXISTING DRIVEWAY APRON, SEE CIVIL DRAWINGS



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200 North State Street ■ Lake Oswego, Oregon 97034

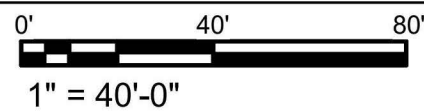
NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3A
19191 SE PIAZZA AVE, CLACKAMAS, OR 97015
DEMOLITION SITE PLAN - PHASE 3A

11003.08.1
PROJECT NUMBER
10 FEB 2020
DATE
REVISIONS

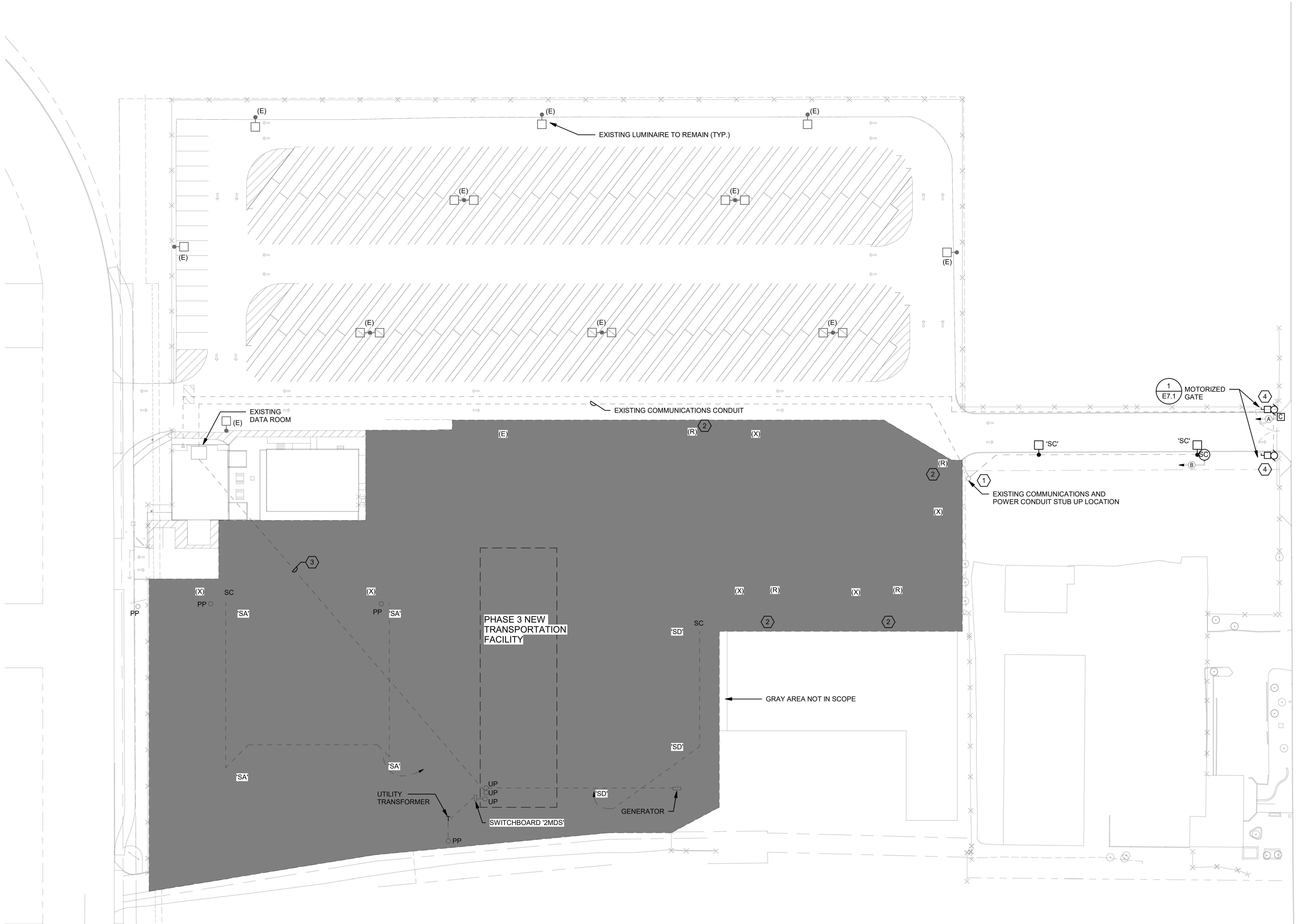
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1 SITE PLAN - ELECTRICAL



LUMINAIRE SCHEDULE - PHASE 3A																		
TYPE	DESCRIPTION	HOUSING	OPTICS	MOUNTING	FINISH	UL/IP RATING	DRIVER LOCATION	DIMMING CONTROL	INITIAL DELIVERED LUMENS	CCT	CRI	RATED LIFE	LM/W	WATTAGE	VOLTAGE	MANUFACTURER	PRE-APPROVED PRODUCTS	REMARKS
'SC'	POLE MOUNTED SINGLE HEAD LUMINAIRE	DIE CAST ALUMINUM	TYPE 2	POLE = 22' POLE & BASE = 25'	BLACK	IP 65	INTEGRAL	N/A	23741	4000K	70	100,000 (L80)	115	207.0	120	LITHONIA	DSX1-LED-P8-40K-T2M-MVOLT-HS	PROVIDE HOUSE-SIDE SHIELD



GENERAL SHEET NOTES

- COORDINATE INSTALLATION OF ALL UNDERGROUND FEEDERS TO MAINTAIN MINIMUM CLEARANCES OF 6' FROM GAS LINES THAT RUN BESIDE FEEDERS AND 1' FROM GAS LINES THAT CROSS UNDERGROUND FEEDERS. ALSO MAINTAIN 10' FROM SANITARY, STORM AND WATER LINES THAT RUN PARALLEL TO UNDERGROUND FEEDERS.
- NO WIRE SMALLER THAN #10 AWG SHALL BE USED AS BRANCH CIRCUIT WIRING OF EXTERIOR LIGHTING. USE #10 AWG FOR RUNS UP TO 300'. USE #8 AWG FOR RUNS UP TO 450'. USE #6 AWG FOR RUNS UP TO 750'. USE #4 AWG FOR RUNS UP TO 1200'. SIZE CONDUIT AS PER NEC STANDARDS.
- CONDUIT RUNS ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. CONFIRM AND COORDINATE FINAL LOCATIONS ON-SITE PRIOR TO ROUGH-IN. UNLESS OTHERWISE NOTED CONDUIT MUST BE RIGID PVC.
- THE INSTALLATION OF POLE BASES MUST BE COORDINATED ON SITE WITH ARCHITECTURAL AND CIVIL TRADES.

SHEET KEYNOTES

- WIRE AND CONNECT NEW TYPE 'SC' LUMINAIRES TO EXISTING EXTERIOR LIGHTING CIRCUIT ROUGHED-IN FOR FUTURE USE.
- (NOT IN SCOPE) RELOCATE EXISTING LUMINAIRE. WIRE AND CONNECT TO EXISTING CIRCUIT.
- (NOT IN SCOPE) PROVIDE NEW 2" COMMUNICATIONS CONDUIT FROM EXISTING DATA ROOM TO NEW DATA RACK ON MEZZANINE LEVEL. PROVIDE NEW 12-STRAND LOOSE-TUBE SINGLE MODE FIBER BACK TO EXISTING DATA ROOM.
- WIRE AND CONNECT NEW MOTORIZED GATE OPERATOR TO EXISTING 20A/120V SPARE CIRCUIT IN EXISTING BUILDING USING 2#6, 1 #10 GND. IN 1" RIGID PVC. PROVIDE ALL CONDUITS AND WIRING FOR A COMPLETE AND OPERATIONAL SYSTEM.

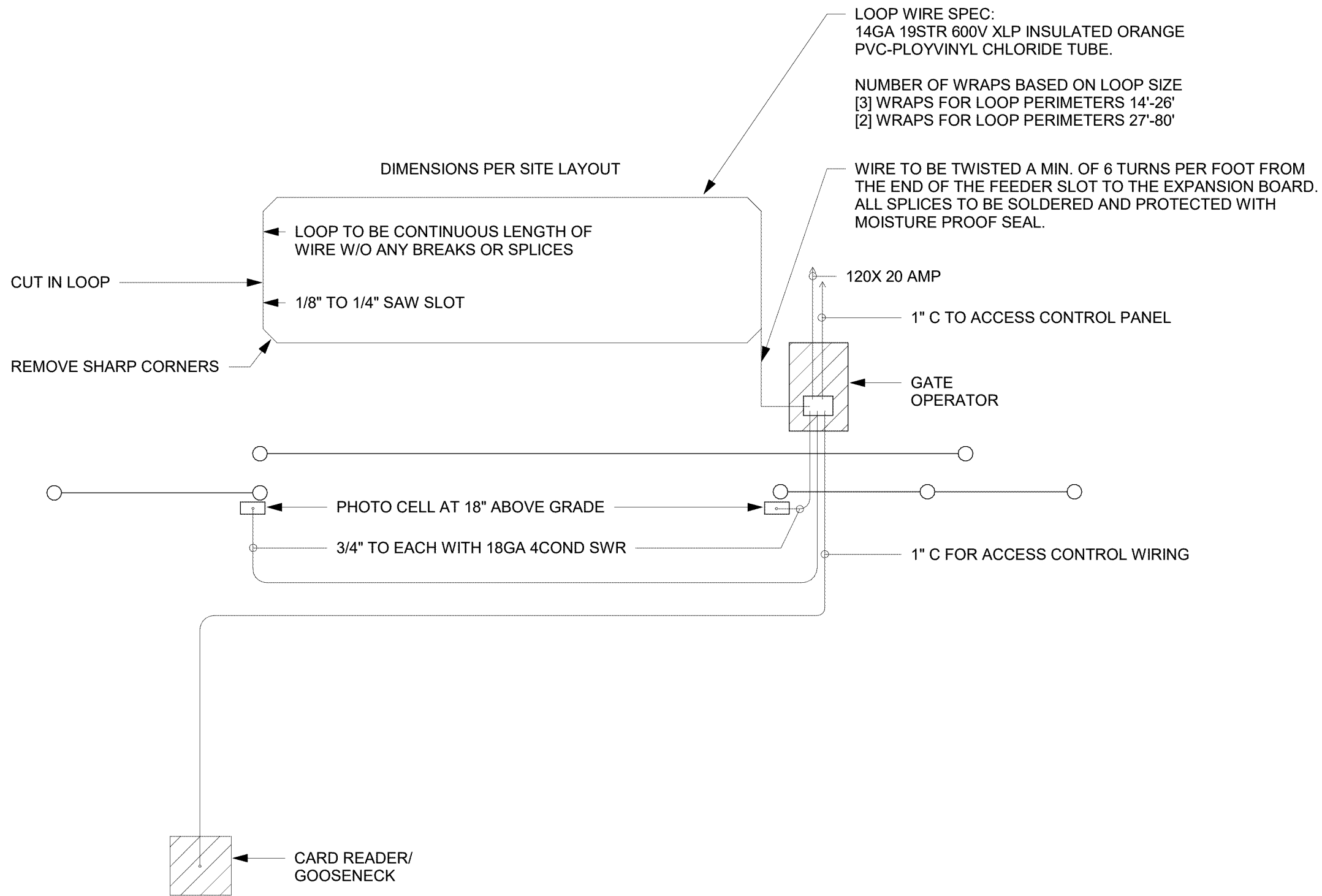
CONDUIT LEGEND

--- DENOTES UNDERGROUND POWER CONDUIT

HOME RUN LEGEND

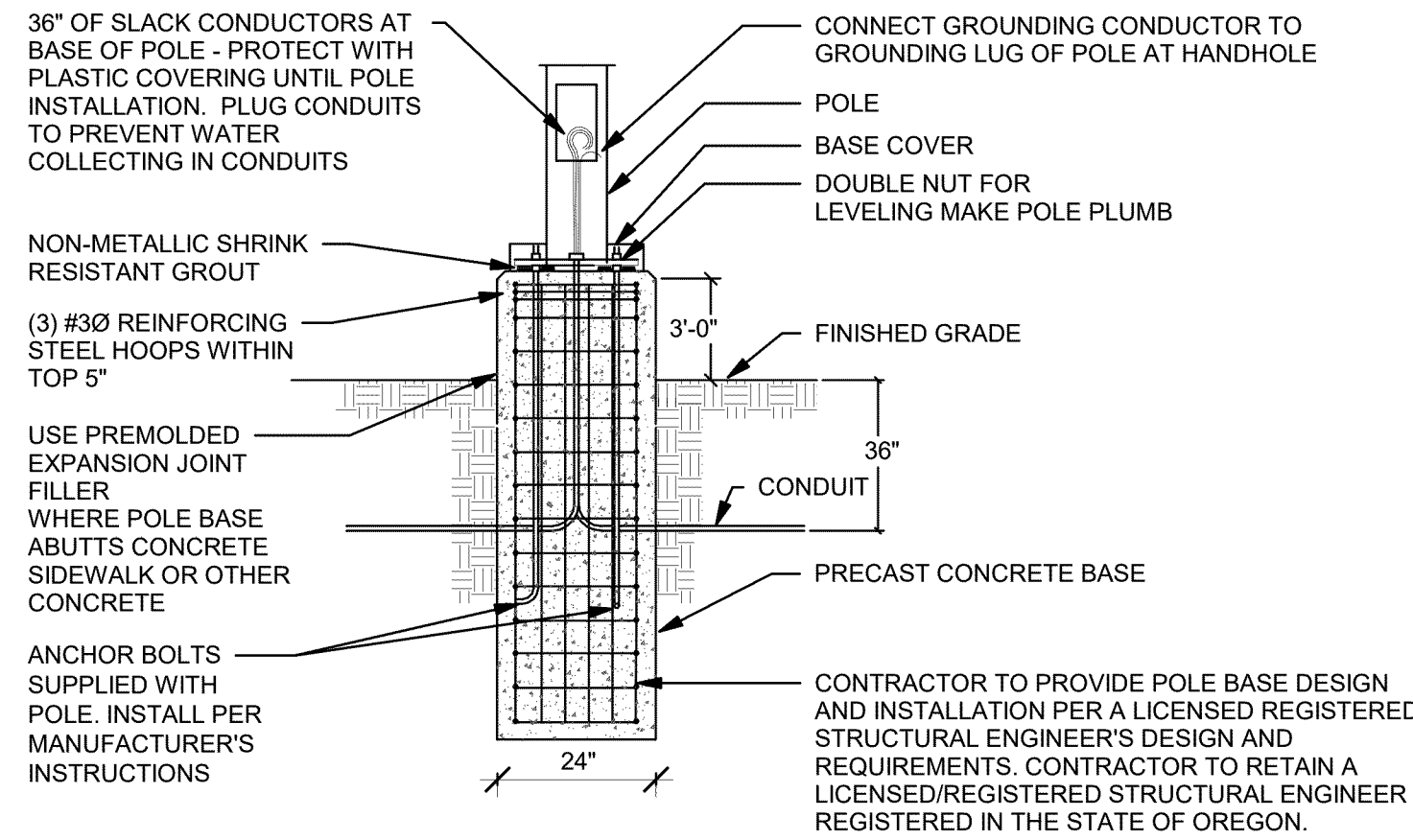
- (A) DENOTES 2-1/2" RPVC CONDUIT C/W SECURITY CABLING FROM NEW CARD READER LOCATION TO EXISTING COMMUNICATIONS CONDUIT STUB UP. EXTEND NEW SECURITY CABLING BACK TO EXISTING DATA ROOM.
- (B) DENOTES ARMORED 50 MICRON LASER OPTIMIZED OUTDOOR RATED LOOSE TUBE 6 PAIR MULTIMODE FIBER FROM NEW SECURITY CAMERA TO EXISTING DATA ROOM VIA EXISTING AND NEW 2" RPVC CONDUIT





1 MOTORIZED GATE SCHEMATIC

NO SCALE

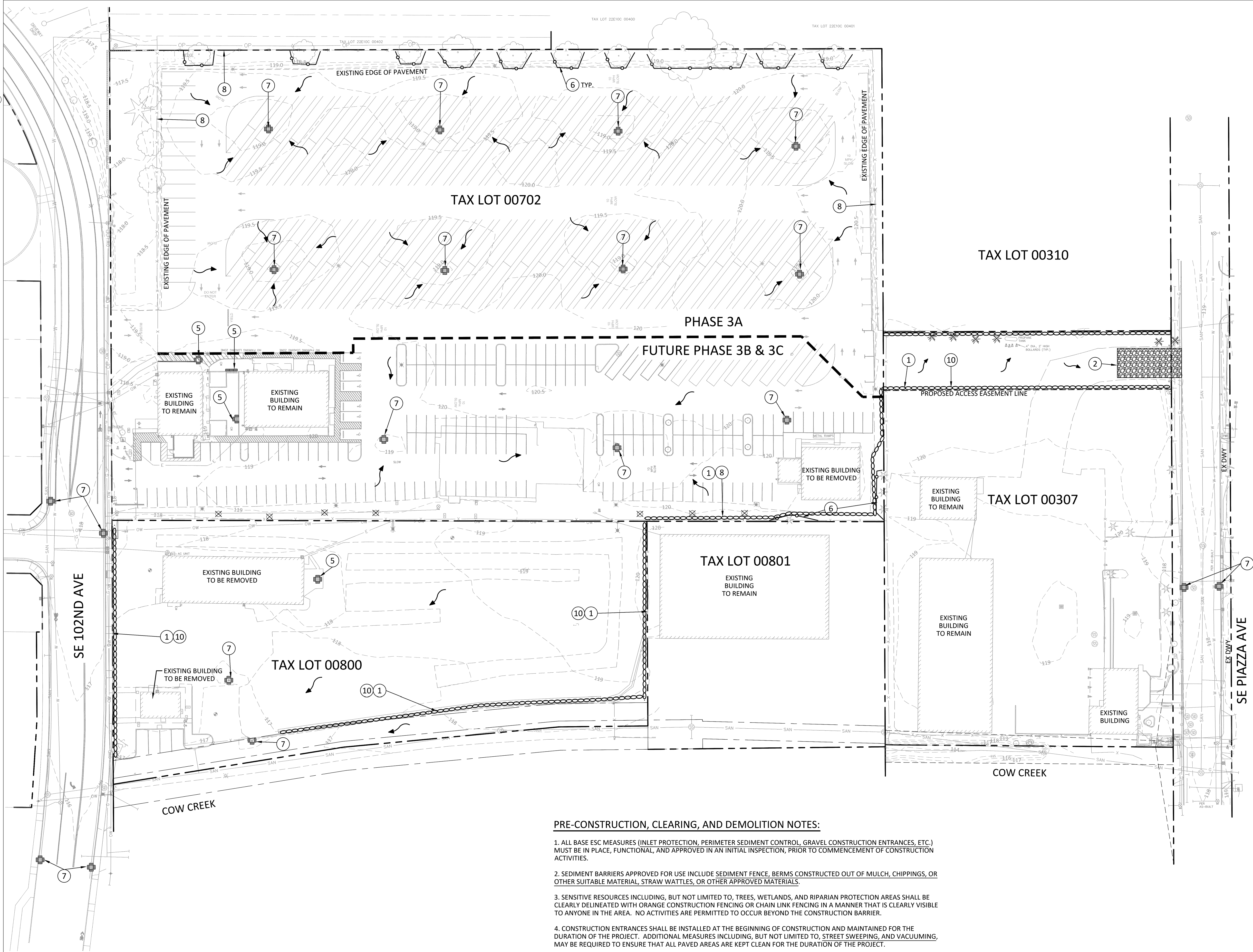


GENERAL DETAIL NOTES:

1. CONDUCTORS THROUGH POLE TO LUMINAIRE TO BE RATED 90° C

2 SECTION - AREA LUMINAIRE STANDARD PEDESTAL ANCHOR BASE

NO SCALE



PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
3. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
4. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
5. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING AND BANK STABILIZATION.

Harper Houf Peterson Righellis Inc.
ENGINEERS • PLANNERS
LANDSCAPE ARCHITECTS • SURVEYORS
205 SE Spokane Street, Suite 200, Portland, OR 97202
phone: 503.221.1131 www.hhpr.com fax: 503.221.1171

REGISTERED PROFESSIONAL
LANDSCAPE ARCHITECT
OR 11-2005
LYNN BRANNAN
EXPIRES: 12/31/2021

CONSTRUCTION NOTES:

1. INSTALL SEDIMENT FENCE PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
2. INSTALL CONSTRUCTION ENTRANCE AS SHOWN. SEE DETAIL ON SHEET EC4.
5. INSTALL BIOFILTER BAG INLET PROTECTION PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
6. INSTALL TREE PROTECTION INSERT PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
7. INSTALL INLET PROTECTION INSERT PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
8. MAINTAIN EXISTING CHAIN LINK FENCE AROUND PERIMETER OF AREA OF CONSTRUCTION AND DISTURBANCE. SEDIMENT FENCE MAY FOLLOW CHAIN LINK FENCE WHERE APPLICABLE (TYP).
10. INSTALL ORANGE CONSTRUCTION FENCING.

LEGEND:

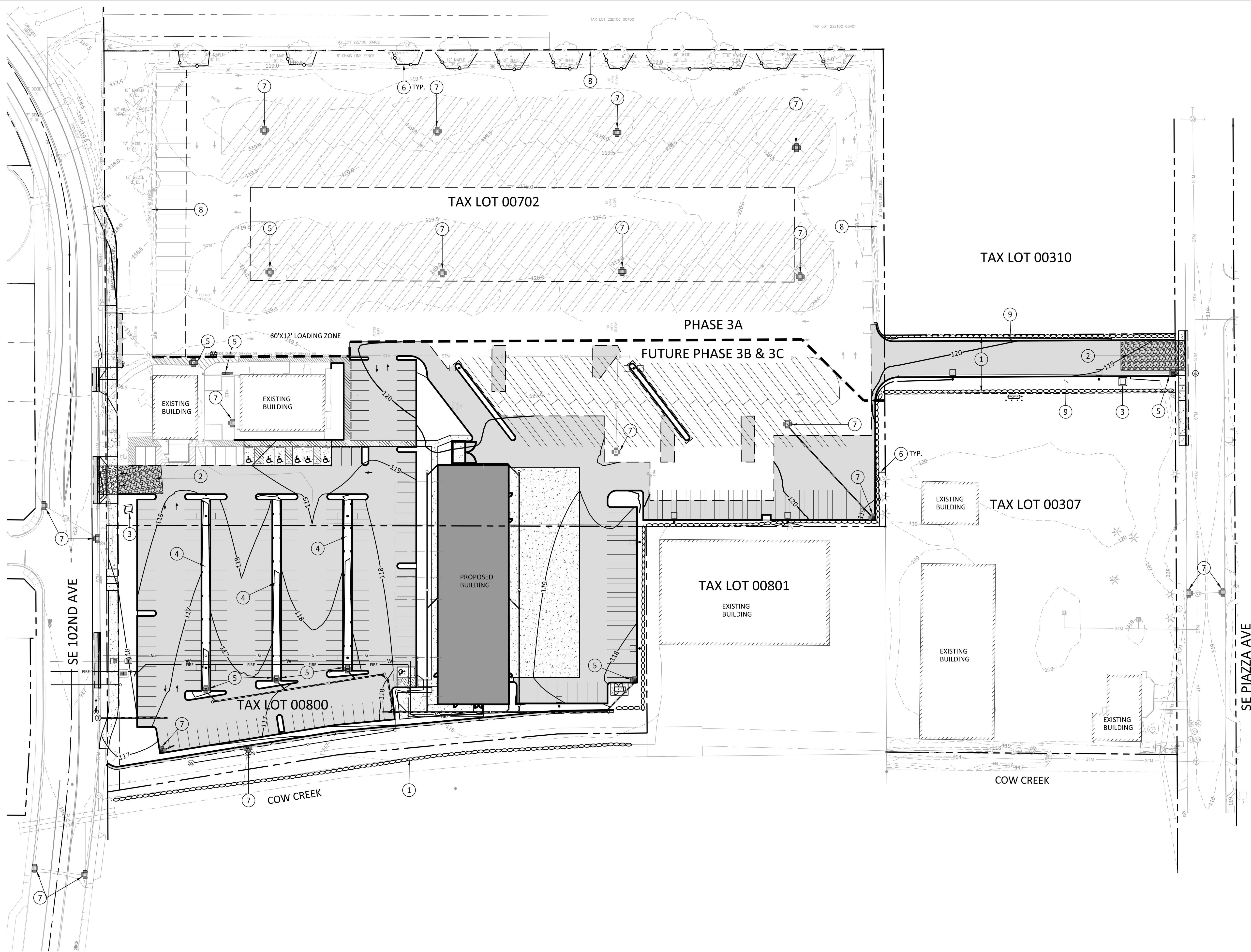
- 280 ——— EXISTING MAJOR CONTOUR - 5' INTERVALS
- 281 ——— EXISTING MINOR CONTOUR - 1' INTERVALS
- 280 ——— PROPOSED MAJOR CONTOUR - 5' INTERVALS
- 281 ——— PROPOSED MINOR CONTOUR - 1' INTERVALS
- LIMITS OF MASS GRADING
- SEDIMENT CONTROL FENCE
- TREE PROTECTION FENCE
- CONSTRUCTION ENTRANCE
- FLOW ARROW
- BIOFILTER BAGS
- CONCRETE WASHOUT
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED

BBL ARCHITECTS
ARCHITECTURE ■ PLANNING ■ INTERIOR DESIGN
200 North State Street ■ Lake Oswego, Oregon 97034

NORTH CLACKAMAS SCHOOL DISTRICT
TRANSPORTATION FACILITY - PHASE 3
15670 SE 102ND AVE, CLACKAMAS, OR 97015
ESC CLEARING AND DEMOLITION PLAN

11003.05.1
PROJECT NUMBER
1 FEB 2020
DATE
REVISIONS

EC2
PHASE 3A
BID SET

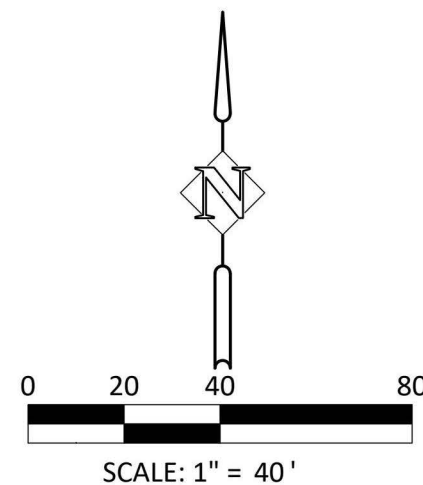


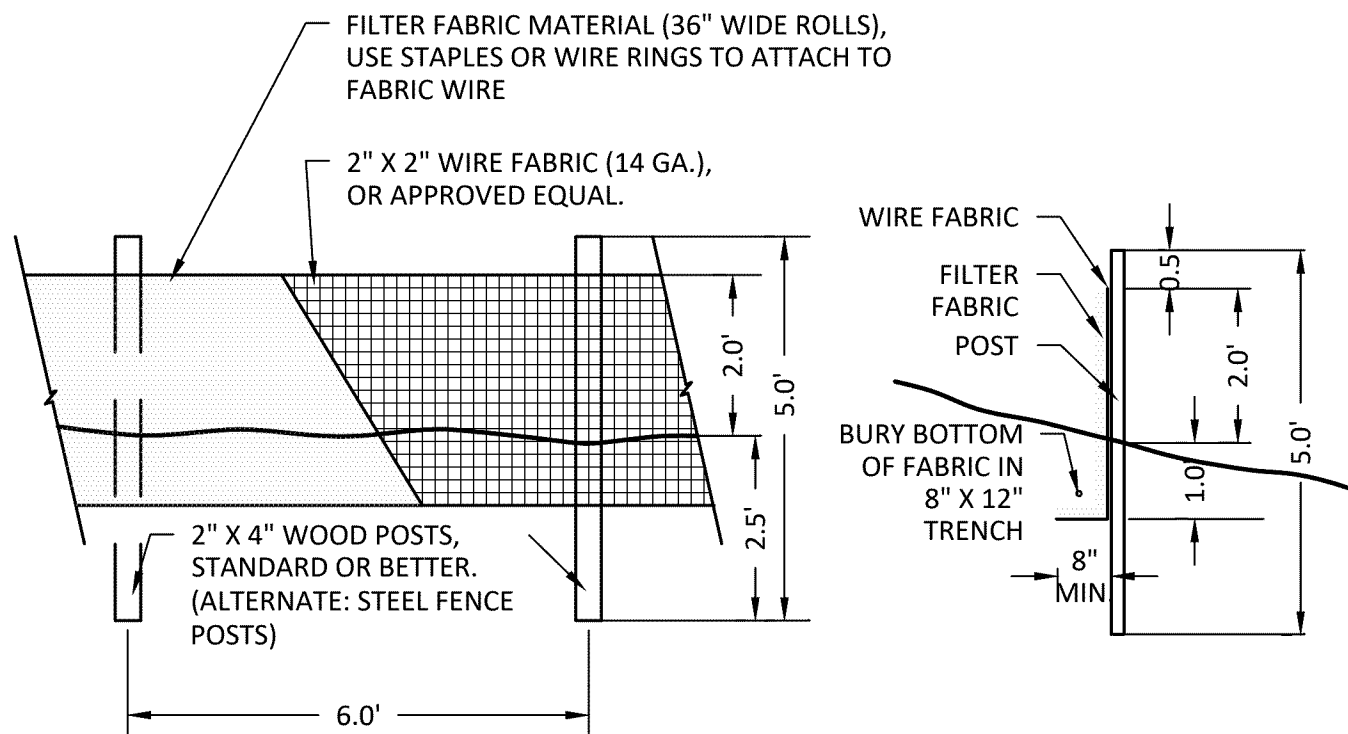
CONSTRUCTION NOTES:

1. INSTALL SEDIMENT FENCE PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
2. INSTALL CONSTRUCTION ENTRANCE AS SHOWN. SEE DETAIL ON SHEET EC4.
3. CONCRETE TRUCK WASH OUT BASIN PER DETAIL ON SHEET EC4.
4. PLACE JUTE NETTING IN STORMWATER SWALES.
5. INSTALL BIOFILTER BAG INLET PROTECTION PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
6. INSTALL TREE PROTECTION INSERT PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
7. INSTALL INLET PROTECTION INSERT PER DETAIL ON SHEET EC4 PRIOR TO CONSTRUCTION.
8. MAINTAIN EXISTING CHAIN LINK FENCE AROUND PERIMETER OF AREA OF CONSTRUCTION AND DISTURBANCE. SEDIMENT FENCE MAY FOLLOW CHAIN LINK FENCE WHERE APPLICABLE (TYP).
9. PLACE JUTE NETTING ON SLOPE.
10. INSTALL ORANGE CONSTRUCTION FENCING.

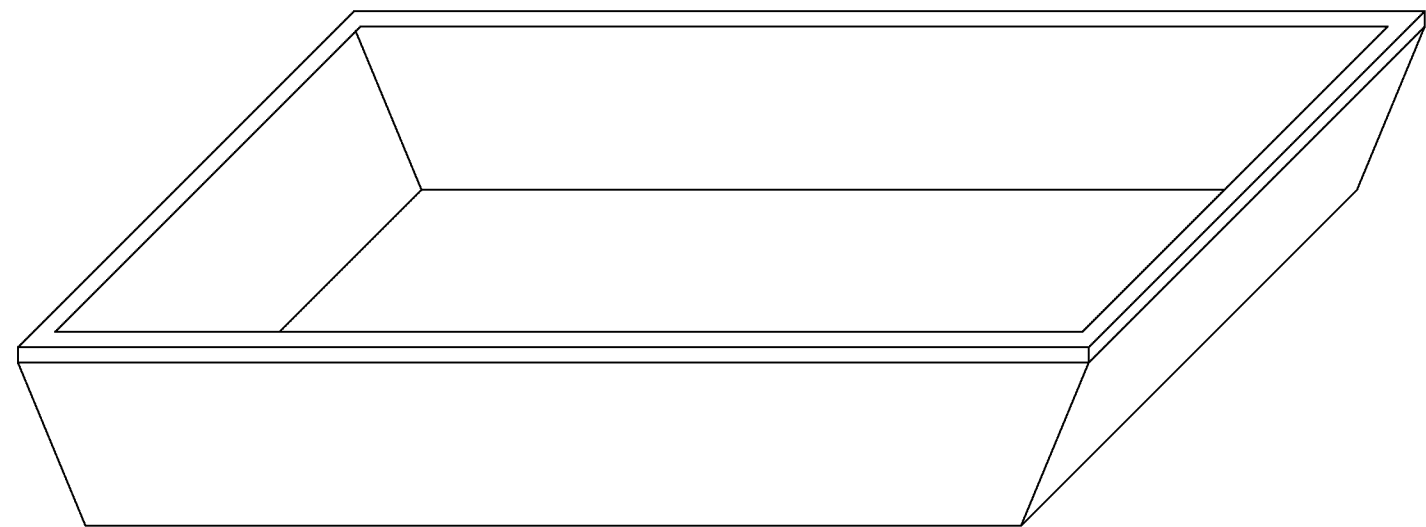
LEGEND:

- 280 EXISTING MAJOR CONTOUR - 5' INTERVALS
- 281 EXISTING MINOR CONTOUR - 1' INTERVALS
- 280 PROPOSED MAJOR CONTOUR - 5' INTERVALS
- 281 PROPOSED MINOR CONTOUR - 1' INTERVALS
- LIMITS OF MASS GRADING
- SEDIMENT CONTROL FENCE
- TREE PROTECTION FENCE
- CONSTRUCTION ENTRANCE
- FLOW ARROW
- BIOFILTER BAGS
- CONCRETE WASHOUT
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED



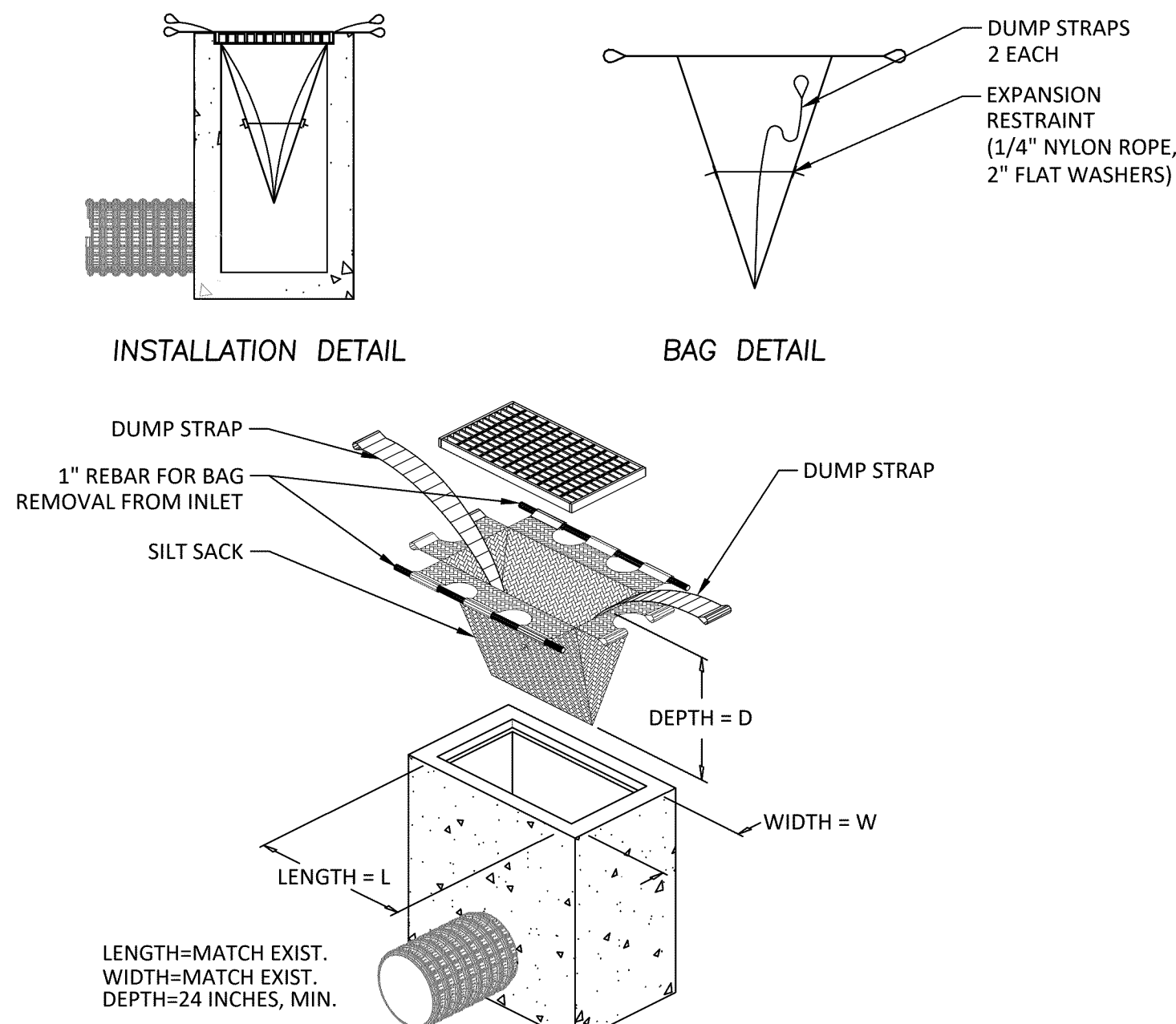


SEDIMENT CONTROL FENCE
NTS



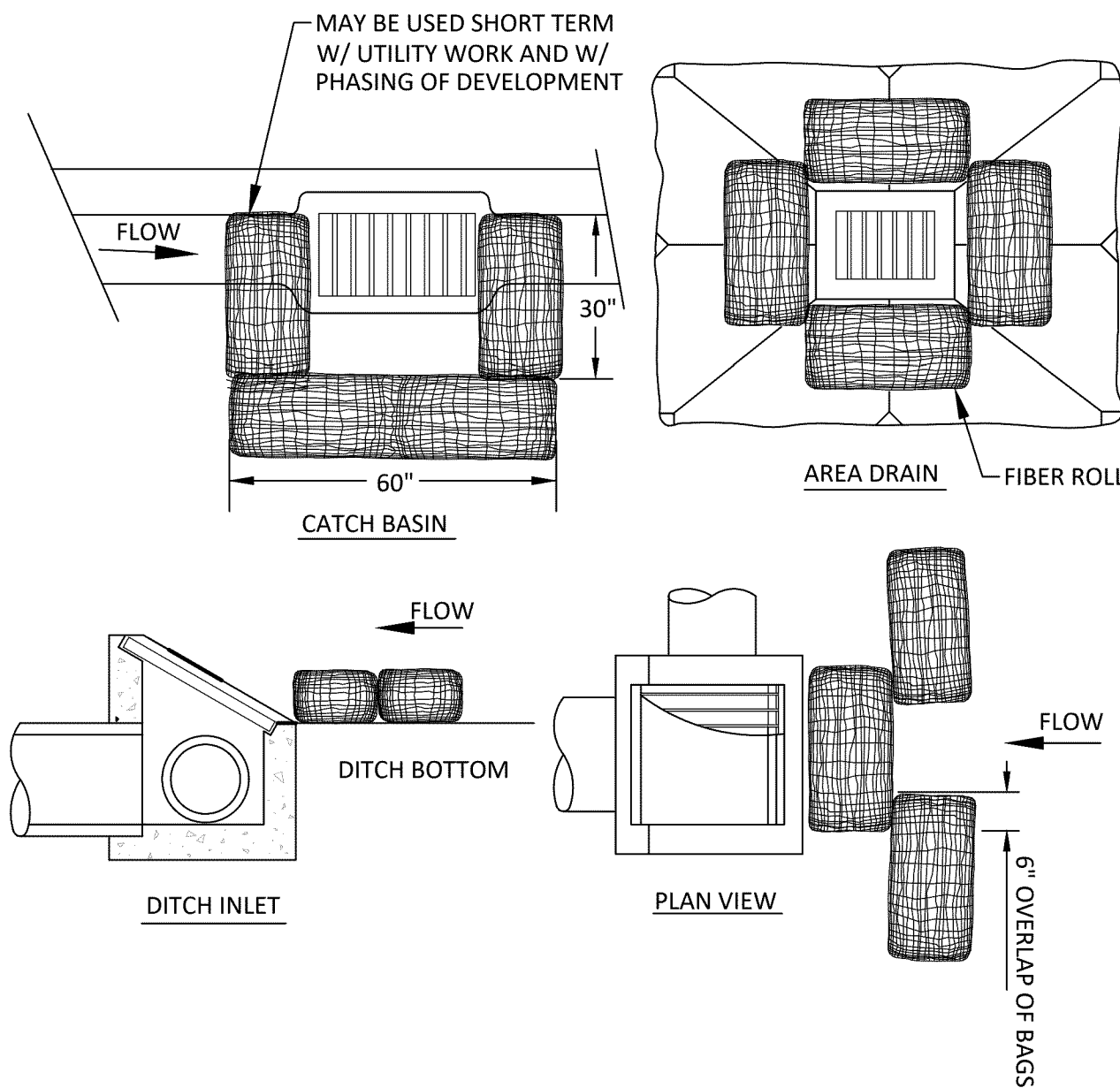
- NOTES:**
1. COLLECT AND RETAIN ALL THE CONCRETE WASHOUT WATER AND SOLIDS IN A LEAK PROOF BASIN.
 2. INSPECT FREQUENTLY. DO NOT OVERFILL BASIN.
 3. RECYCLE MATERIALS.
A. WASHWATER RECYCLING: WASHWATER SHOULD BE PASSED THROUGH A FILTER AND TREATMENT SYSTEM TO REMOVE SOLIDS REDUCE PH. WASHWATER MAY BE REUSED FOR CONCRETE WASHOUT WATER. DISPOSAL OF WASHWATER SHALL BE AT AN APPROVED DISPOSAL FACILITY. DO NOT DRAIN TO STORM OR SANITARY SYSTEM.
B. SOLIDS RECYCLING: COURSE AGGREGATE MATERIALS THAT ARE SEPARATED FROM WASHWATER MAY BE RETURN TO READY MIX PLANT. COORDINATE WITH READY MIX PLANT PRIOR TO CONSTRUCTION.
C. HARDENED CONCRETE RECYCLING: ALLOW CONCRETE WASHOUT TO HARDEN IN BASIN. THE HARDEN CONCRETE MAY BE DELIVERED TO RECYCLING PLANTS.

CONCRETE TRUCK WASHOUT BASIN
NTS



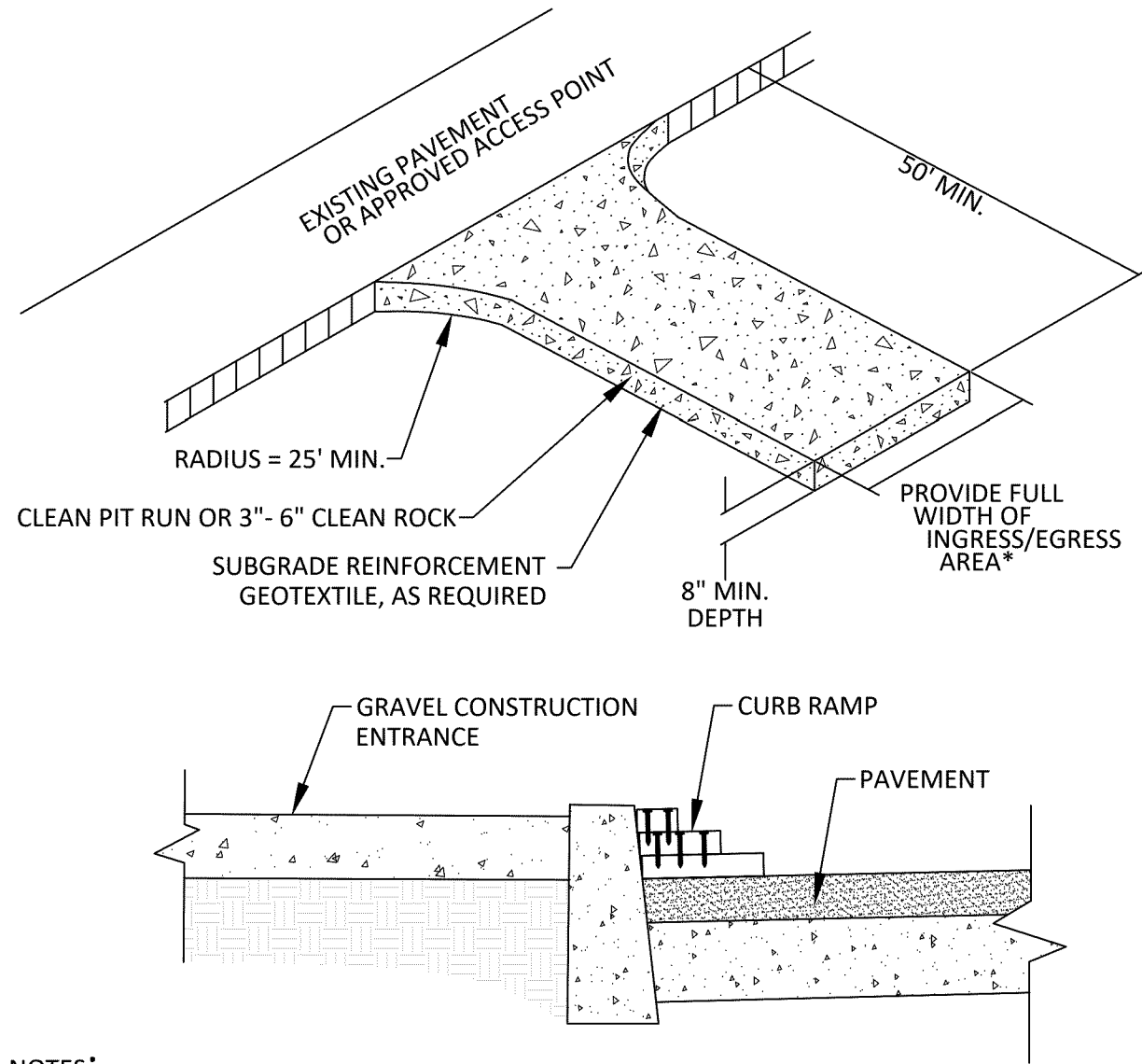
NOTE:
INSTALL SILT SACK AND ACCESSORIES AS SUPPLIED BY
ACF WEST, INC., PH. 771-5115, OR APPROVED EQUAL.

**INLET PROTECTION
SACK INSERT**
NTS



- NOTES:**
1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPES.
 2. BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1"x2" WOODEN STAKES OR APPROVED EQUAL PER BAG.
 3. WHEN USING 30" BIO-BAGS TO PROTECT A CATCH BASIN YOU MUST HAVE 4 BAGS AND THEY SHALL BE OVERLAPPED BY 6".
 4. USE INSERT SACKS ALONG W/BIOBAGS TO PROTECT INLETS.

**INLET PROTECTION, TYPE 4
BIOFILTER BAGS**
NTS



- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 4. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
 5. 50' LONG BY 20' WIDE 3-6" CLEAN ROCK, GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.

CONSTRUCTION ENTRANCE
NTS

NORTH CLACKAMAS SCHOOL DISTRICT TRANSPORTATION FACILITY - PHASE 3A

ABBREVIATIONS

4 1/4 Ø ± # SQ.	AND ANGLE CENTERLINE DIAGRESS DIAMETER OR ROUND PERPENDICULAR FLATE FOUND OR NUMBER SQUARE	EXP. EXT. EXIST. OR (E)	EXPANSION EXTERIOR EXISTING	FL. FLAM. FLYWD. FR P.T. FTD FTD/R FTN.	FLATE PLASTIC LAMINATE PLYWOOD FLAIR PRESSURE TREATED PAPER TOWEL DISPENSER COMBINATION PAPER TOWEL DISPENSER / RECEPTACLE PARTITION
A.B. ACoust. ADJ. A.F.F. ALT. ALUM. A.N.S.I. ARCH. ASPH. A/V	ANCHOR BOLT ACOUSTICAL ADJUSTABLE ABOVE FINISH FLOOR ALTERNATE ALUMINUM AMERICAN NATIONAL STANDARDS INSTITUTE A11.1-1980 ARCHITECTURAL ASPHALT AUDIO/VIDEO	F.D. FDN. F.E. F.E.C. F.H.C. FIN. FLS. FLUOR.	FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CAB. FIRE HOSE CABINET FINISH FLOOR FLUORESCENT FACE OF CONCRETE FACE OF FINISH FACE OF STUD FOOT OR FEET FOOTING	R. RAD. R.D. REF. REINF. REQD. REQUIREMENTS RESILIENT REVERSE ROOM ROUGH OPENING	RISER RADJUS ROOM DRAIN REFRIGERATOR OR REFERENCE REINFORCED REQUIRED REQUIREMENTS RESILIENT REVERSE ROOM ROUGH OPENING
BD. BIT. BLDG. BLK. BLKG. BM. BO. B.O.C. BRNG. BTM.	BOARD BITUMINOUS OR BITUMEN BUILDING BLOCK BOOKING BUSH BOTTOM OF BOTTOM OF CURB BURRING BOTTOM	G.A. GALV. GC GFCI G.L.B. G.M.U. GYP.	GAUGE GALVANIZED GENERAL CONTRACTOR GROUND-FAULT CIRCUIT INTERRUPTER GLUE LAMINATED BLANK GLASS MASONRY UNIT GYPSUM	S.C. SCD SCHED. SD SECT. S.F. OR SQ. FT. SHT.G. SIM. S.M. SND SNR SPEG. S.S. STL. STOR. STRUCT. SUSP. T.	SOLD CORE SEAT COVER DISPENSER SCHEDULE SOAP DISPENSER SECTION SQUARE FEET SHEATHING SIMILAR SHEET METAL SANITARY NAPKIN DISPENSER SANITARY NAPKIN RECEPTACLE SPECIFICATION STAINLESS STEEL STEEL STORAGE STRUCTURAL SUSPENDED TREAD
CAB. C.B. C.I. C.J. CCL. CLG. CLR. CMU COL. COLL. CONN. CONST. CONT. COORD. CORR. CTR. CUST.	CABINET CATCH BASIN CAST IRON CONTROL JOINT CLOSET CEILING CLEAR CONCRETE MASONRY UNIT CLEANOUT COLUMN CONCRETE CONNECT OR CONNECTION CONSTRUCTION CONTINUOUS COORDINATE CORRIDOR CENTER CUSTODIAL	H.B. H.C. HDR. H.M. HORIZ. HR. HT.	HOSE BIB HOLLOW CORE HEADER HOLLOW METAL HORIZONTAL HOUR HEIGHT	TIG TEL. TEMP. T.O. T.O.C. T.O.F. T.O.W. TPD T.S. TYP.	TONGUE AND GROOVE TELEPHONE TEMPERED TOP OF TOP OF CURB TOP OF FLEAVMENT TOP OF WALL TOILET PAPER DISPENSER TUBE STEEL TYPICAL
DBL. D.F. DIAG. DIM. DISP. DN. DR. DS. DTL. DAG	DOUBLE DRINKING FOUNTAIN DIAMETER DIAGONAL DIMENSION DISPENSER DOWN DOOR DOWNSPOUT DITAL DRAWING	I.D. INSUL. INT.	INSIDE DIAMETER OR INSIDE DIMENSION INSULATION INTERIOR	U.B.C. U.O.N. VERT. VEST. V.F.	UNIFORM BUILDING CODE UNLESS OTHERWISE NOTED VERTICAL VESTIBULE VENEER PLASTER
ELJ ELL. ELEV. EQ.	EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR EQUAL	JT.	JOINT	W/ W.C. W.D. W.H. W/O W.P. WT.	WITH WATER CLOSET WOOD NORMAL WATER HEATER WITHOUT WATERPROOF WEIGHT
		LAM. LAV. LT.	LAMINATE LAVATORY LIGHT		
		MAX. M.B. M.D.O. MECH. MEMB. MFR. OR MANUF. M.H. MIN. MISC. M.O. MOD. BIT. MTL.	MAXIMUM MACHINE BOLT MEDIUM DENSITY OVERLAY MECHANICAL MEMBRANE MANUFACTURER MAN HOLE MINIMUM MISCELLANEOUS MASONRY OPENING MODIFIED BITUMEN METAL		
		(N) N.I.C. NO. OR # NOM. N.T.S.	NEW NOT IN CONTRACT NUMBER NORMAL NOT TO SCALE		
		O.C. O.D. O.F.C.I. O.F.O.I. OPNS. OPP. O.S.S.C.	ON CENTER OUTSIDE DIAMETER OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED OPENING OPPOSITE OREGON STRUCTURAL SPECIALTY CODE		

STANDARD SYMBOLS

REF D A Ref B Ref C Ref	INTERIOR ELEVATION TAG	DOOR TAG
KEYNOTE TAG		
EXTERIOR ELEVATION TAG	SHEET NOTE TAG	
DEMOLITION NOTE TAG		
BUILDING SECTION FLAG	REVISION TAG	
WALL SECTION FLAG	WINDOW TYPE TAG	
WALL TYPE TAG		
CEILING HEIGHT TAG		
DETAIL FLAG	ROOM NAME	
DETAIL CALLOUT	FLOOR PLAN ROOM LABEL & NUMBER	
NORTH ARROW	ELEVATION TAG	
GRID BUBBLE & GRID LINE		

GENERAL NOTES

- COORDINATE ALL WORK WITH THE DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR AND SUB-CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS, LOCATIONS, AND PROJECT REQUIREMENTS PRIOR TO SUBMITTING A BID.
- CONTRACTOR AND SUB-CONTRACTORS SHALL FIELD VERIFY DIMENSIONS, AND FAMILIARIZE THEMSELVES WITH PROJECT REQUIREMENTS PRIOR TO COMMENCING WITH THE WORK. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ARCHITECT.
- WORK SHALL INCLUDE ALL REQUIRED TRADE PERMITS, LABOR, MATERIALS, AND EQUIPMENT TO COMPLETE ALL WORK INDICATED ON DRAWINGS AND SPECIFICATIONS.
- PROVIDE TEMPORARY DUST-PROOF PARTITIONS AS REQUIRED TO PROTECT ALL EXIST. AREAS AND EQUIPMENT FROM DAMAGE DUE TO DEMOLITION OR NEW CONSTRUCTION ACTIVITIES. COORDINATE LOCATIONS AND REQUIREMENTS WITH OWNER.
- GENERAL CONTRACTOR TO PATCH, REPAIR AND PAINT (REFINISH) SURFACES AND BUILDING ELEMENTS DAMAGED BY MECHANICAL, ELECTRICAL, AND PLUMBING WORK AND WHERE ITEMS ARE REMOVED, RELOCATED OR ADDED.
- REPAIR FLOORS WHERE DAMAGED BY THE WORK OF THIS PROJECT.
- PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING WHERE ITEMS ARE REMOVED OR ALTERED - FIELD VERIFY EXTENT REQUIRED.
- ALL PAINTING SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ADJACENT FINISHES AND CLEANUP.
- CONTRACTOR IS RESPONSIBLE FOR FINAL CLEANUP OF WORK AREA AND ALL EXPOSED BUILDING SURFACES AT SUBSTANTIAL COMPLETION.
- ALL TRASH AND TOOLS SHALL BE REMOVED FROM PREMISES EACH DAY AND THE AREA LEFT CLEAN WHENEVER UNATTENDED. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP. COORDINATE WITH OWNER IF SECURE STORAGE IS NEEDED ONSITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO FINISHED SURFACES, EQUIPMENT, FURNITURE, EXISTING MATERIALS OR FINISHES, CAUSED AS A RESULT OF HIS WORK, REPAIR OR REPLACE DAMAGED ITEMS AS DIRECTED BY ARCHITECT.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.
- WORK SHALL BE DONE BY THOSE SKILLED AND EXPERIENCED IN THEIR RESPECTIVE TRADES. WORK SHALL BE OF THE HIGHEST QUALITY WORKMANSHIP.

CONTACTS

OWNER

NORTH CLACKAMAS SCHOOL DISTRICT
12400 SE FREEMAN WAY
MILWAUKEE, OREGON 97222
PHONE: (503) 353-6050 FAX: (503) 353-6075
CONTACT: KEVIN MOISAN

ARCHITECT

BBL ARCHITECTS
200 NORTH STATE STREET
LAKE OSWEGO, OREGON 97034
PHONE: (503) 635-4425 FAX: (503) 635-3501
CONTACT: LANG BATES / MATT ATKINS

CIVIL / LANDSCAPE

HARPER HOUR PETERSON REIGHILLIS, INC
209 SE SPOKANE ST., SUITE 200
PORTLAND, OR 97202
PHONE: (503) 221-1131 FAX: (503) 221-1171
CONTACT: JANELLE BRANNAN (CIVIL)
JEFFREY CREEL (LANDSCAPE)

ELECTRICAL ENGINEER

INTERFACE ENGINEERING, INC.
100 SW MAIN STREET, SUITE 1000
PORTLAND, OR 97204
PHONE: (503) 392-2266
CONTACT: CODY BARGHOLZ (ELECTRICAL)

DRAWING INDEX

CIVIL

G1.0A TITLE SHEET - PHASE 3A

CIVIL

C0.1	CIVIL COVER SHEET
C1.0	OVERALL EXISTING CONDITIONS PLAN
C1.1	EXISTING CONDITIONS & DEMOLITION PLAN
C1.2	EXISTING CONDITIONS & DEMOLITION PLAN
C2.0	OVERALL SITE PLAN
C2.1	SITE PLAN
C2.2	SITE PLAN
C2.6	PHASE 3A PAVING PLAN
C2.9	PIAZZA DRIVEWAY IMPROVEMENTS
C3.1	GRADING PLAN
C3.2	GRADING PLAN
C4.0	DRAINAGE PLAN
C5.0	DETAILS
C5.1	DETAILS
C5.2	DETAILS
EC1	E6C COVER
EC2	E6C CLEARING AND DEMOLITION PLAN
EC3	E6C GRADING AND UTILITIES PLAN
EC4	E6C DETAILS

LANDSCAPE

L1.0	PLANTING PLAN
L1.1	PLANTING PLAN
L2.0	IRRIGATION PLAN
L2.1	IRRIGATION PLAN
L3.0	LANDSCAPE DETAILS

ARCHITECTURAL

D1.0A	DEMOLITION SITE PLAN - PHASE 3A
A1.0A	SITE PLAN - PHASE 3A

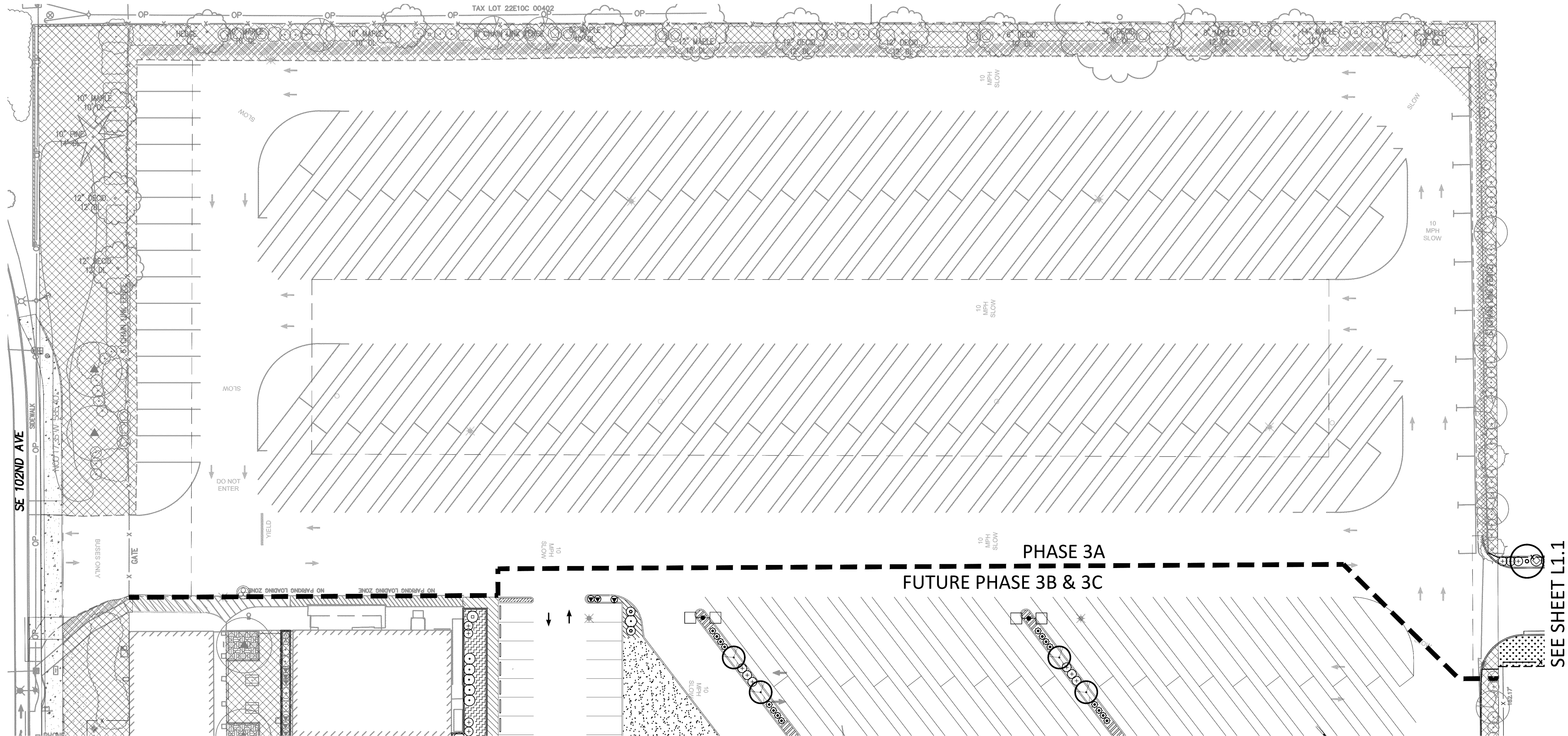
ELECTRICAL

E1.0	SITE PLAN
E1.1	DETAILS



REVISIONS

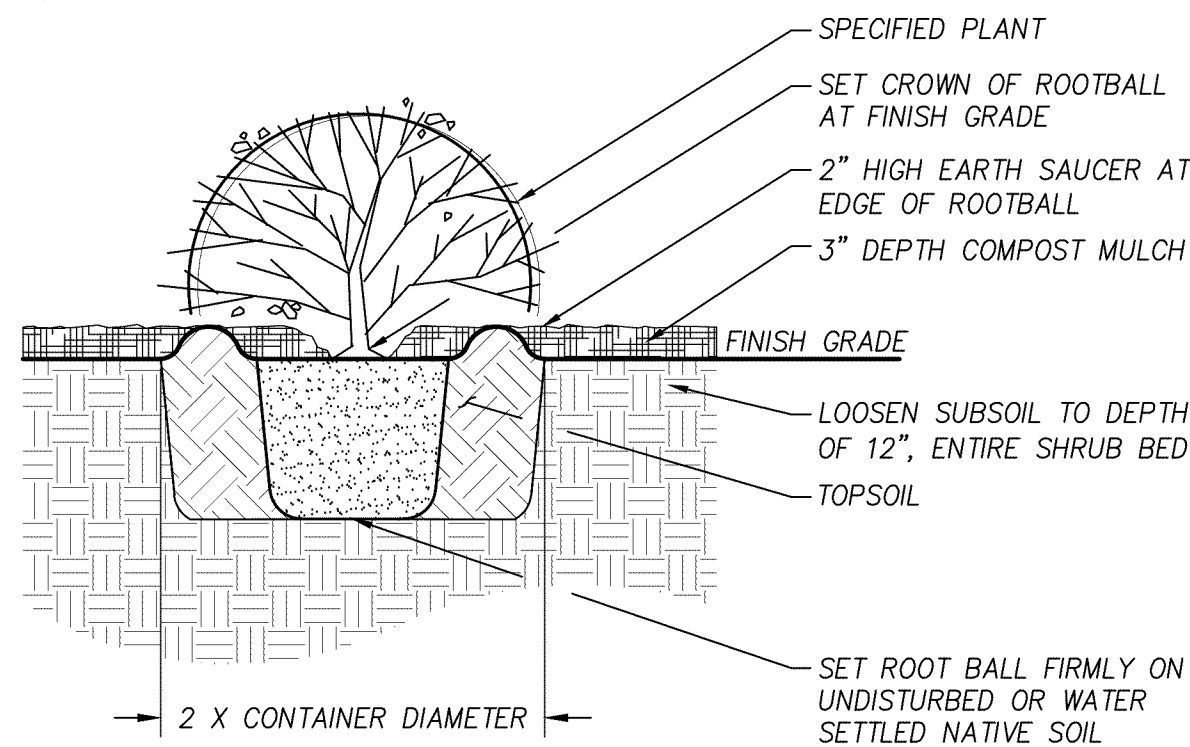
REVISION NUMBER	REVISION DATE	REVISION DESCRIPTION



PLANT SCHEDULE

EXISTING LANDSCAPE TO REMAIN

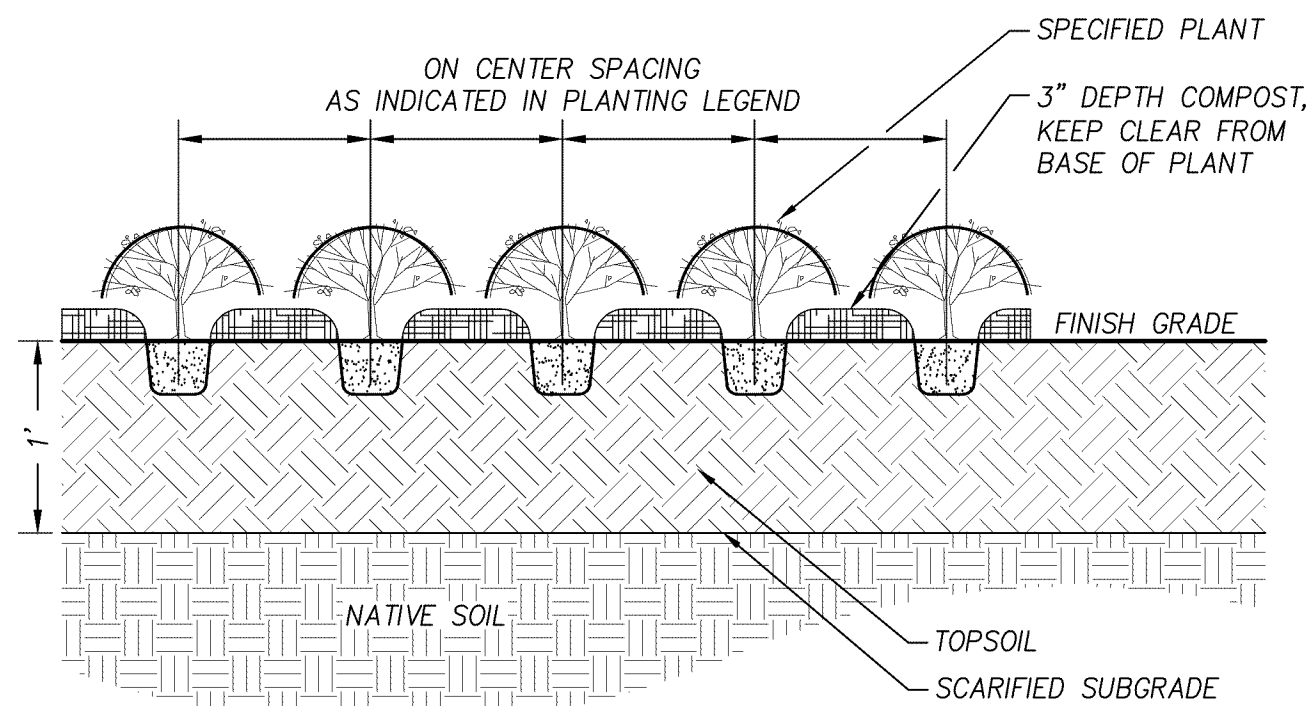
NOTE:
PROVIDE 36" DIAMETER MULCH OR COMPOST RING, AS SPECIFIED.



1 SHRUB PLANTING

Section

NOT TO SCALE

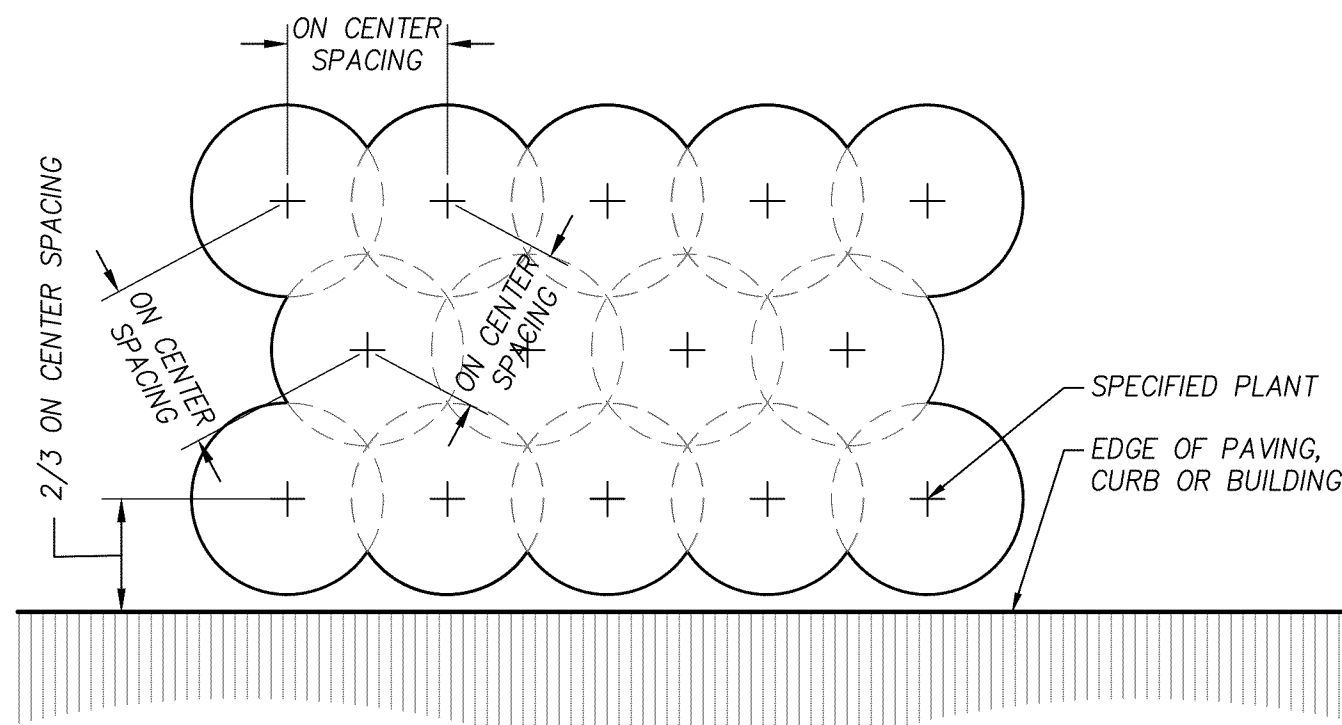


2 GROUNDCOVER PLANTING

Section

NOT TO SCALE

NOTE:
ON CENTER SPACING SHALL BE AS INDICATED IN PLANTING LEGEND.



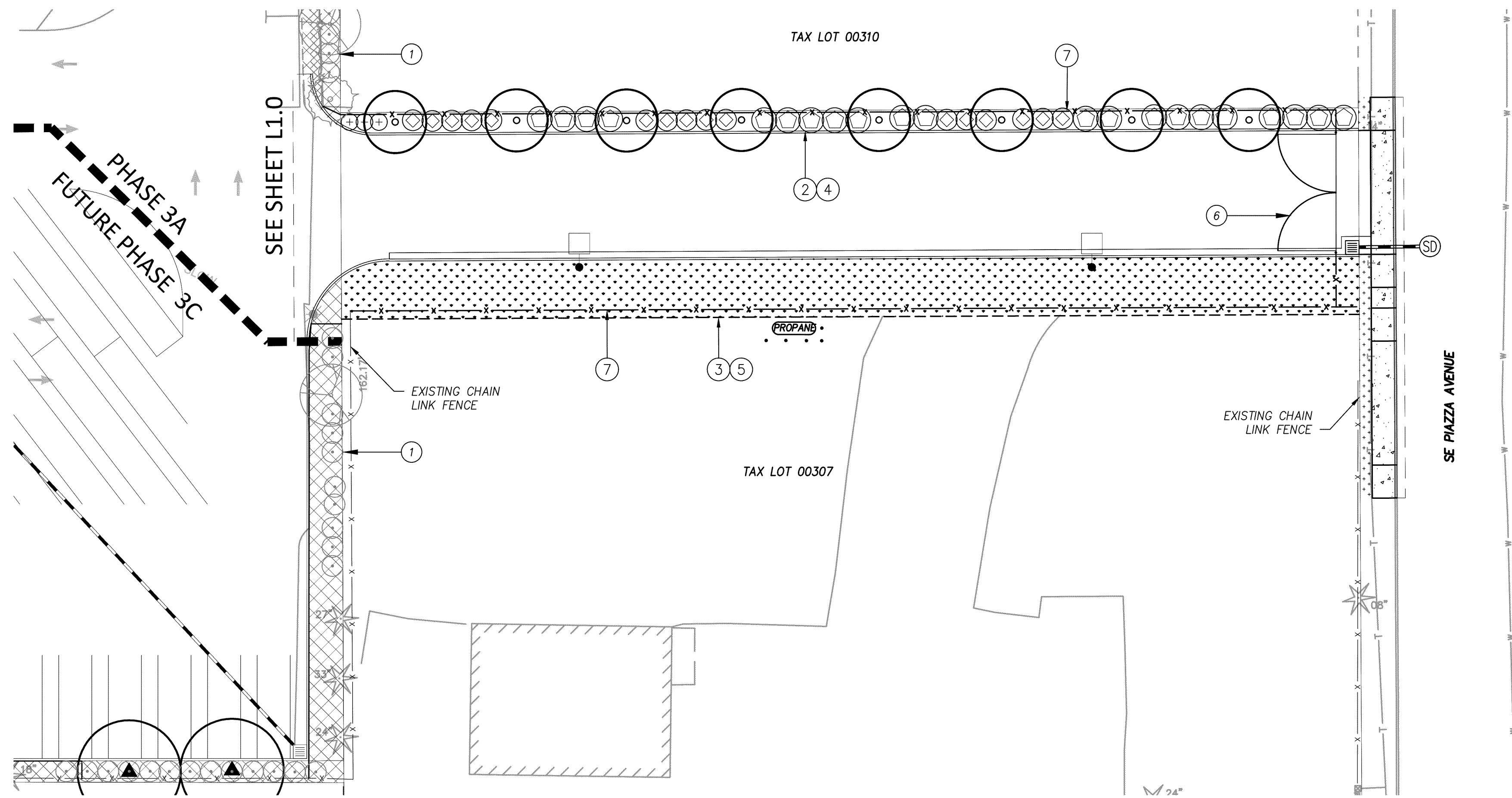
3 TRIANGULAR SPACING

Plan

NOT TO SCALE

GENERAL PLANTING NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT CLACKAMAS COUNTY STANDARDS AND BUILDING AND SPECIALTY CODES.
- INSTALL EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CITY OF CLACKAMAS COUNTY STANDARDS PRIOR TO SITE WORK AND LANDSCAPE INSTALLATION.
- CONTRACTOR SHALL MARK AND PROTECT ALL UTILITIES, SITE FEATURES, AND VEGETATION TO REMAIN IN PLACE.
- CONTRACTOR SHALL REMOVE ALL WEEDS AND INVASIVE SPECIES PRIOR TO PLANTING OR SEEDING.
- ALL DISTURBED AREAS SHALL BE SEEDED.
- PRIOR TO PLANTING, CONTRACTOR SHALL TEST ON-SITE SOILS FOR SOIL FERTILITY BY CERTIFIED TESTING LAB. IF NECESSARY, BACKFILL SOILS FOR TREE PITS, SHRUB AND GROUNDCOVER AREAS SHALL BE AMENDED AS RECOMMENDED BY SOIL ANALYSIS REPORT.
- ALL SEEDED AREAS SHALL BE STRIPPED OF VEGETATION, SCARIFIED AND RECEIVE 4" OF TOPSOIL PRIOR TO APPLICATION OF SEED.
- ALL PLANTER BEDS SHALL BE SCARIFIED 12" BELOW FINISHED GRADE AND HAVE 12" OF TOPSOIL ADDED TO BRING BACK TO FINISHED GRADE PRIOR TO PLANTING.
- CONTRACTOR TO INSTALL 3" LAYER OF COMPOST MULCH AT ALL TREE, SHRUB AND GROUNDCOVER AREAS.
- LANDSCAPE INSTALLATION SHALL INCLUDE PROVISION OF AN AUTOMATIC IRRIGATION SYSTEM TO SUSTAIN LANDSCAPE PLANTINGS, MEETING LOCAL AND STATE BUILDING CODES.
- PLANT MATERIAL INSTALLED SHALL CONFORM IN SIZE AND GRADE TO THE "AMERICAN STANDARD FOR NURSERY STOCK" CURRENT EDITION.
- QUANTITIES OF PLANT MATERIALS SHALL BE AS DETERMINED BY CONTRACTOR IN ACCORDANCE WITH SPECIFIED SPACING OR LOCATION ON PLAN. MATERIAL QUANTITIES SHOWN ON PLAN ARE FOR CONTRACTOR CONVENIENCE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO INSTALLATION. SURPLUS OR SHORTAGES OF PLANT QUANTITIES SHALL BE RESPONSIBILITY OF CONTRACTOR.
- SEE SPECIFICATION 32 94 45 MAINTENANCE FOR MAINTENANCE AND WARRANTY PERIOD REQUIREMENTS. LANDSCAPE CONTRACTOR SHALL REPLACE ALL DAMAGED, DEAD, OR DYING PLANTS COVERED BY WARRANTY WITHIN 30 DAYS OF INITIAL IDENTIFICATION OF CONDITION.
- PLANTING AND SEEDING SHALL TAKE PLACE DURING FROST FREE PLANTING WINDOW: APRIL 15 THROUGH OCTOBER 15. PLANTING SHALL OCCUR AT THE END OF CONSTRUCTION ACTIVITIES TO PRECLUDE DAMAGE DURING CONSTRUCTION ACTIVITIES.



PLANT SCHEDULE

EXISTING LANDSCAPE TO REMAIN

TREES

8 *Carpinus betulus 'Frans Fontaine'* - Hornbeam
2" CAL B&B, WELL BRANCHED, LIMBED TO 6'
MATURE SIZE: 35' H x 15' W

SHRUBS

21 *Photinia x fraseri* - Fraser Photinia
1 GAL CONT., FULL PLANTS, SPACING AS SHOWN
MATURE SIZE: 8' H x 8' W (CAN BE PRUNED TO 3')

16 *Myrica californica* - Pacific Waxmyrtle
1 GAL CONT., FULL PLANTS, SPACING AS SHOWN
MATURE SIZE: 10' H x 10' W (CAN BE PRUNED TO 6')

3 *Thuja plicata 'Whicord'* - Whicord Cedar
1 GAL CONT., FULL PLANTS, SPACING AS SHOWN
MATURE SIZE: 4' H x 4' W

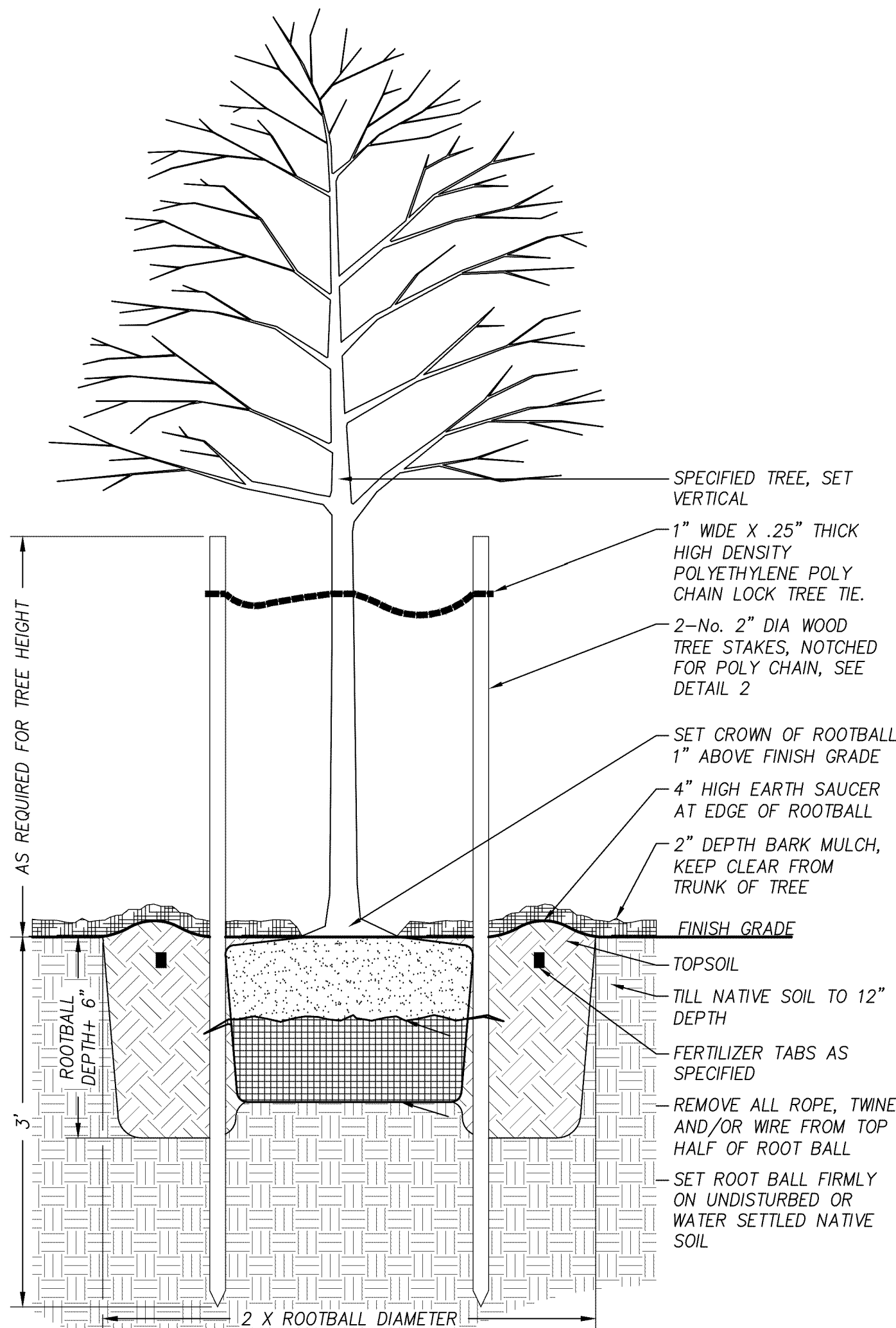
SEED MIXES

ODOT EROSION CONTROL MIX BY SUNMARK SEEDS (OR
APPROVED EQUAL)
40 PLS / ACRE

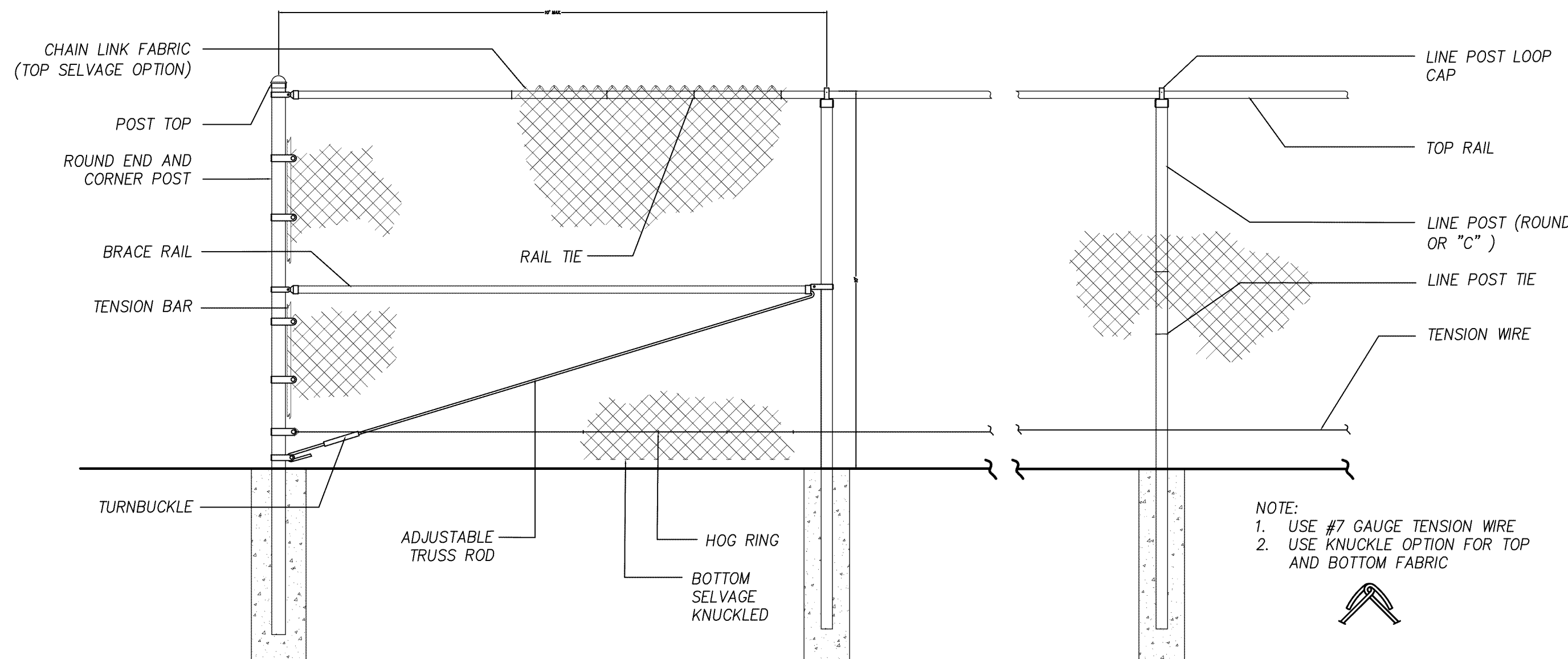
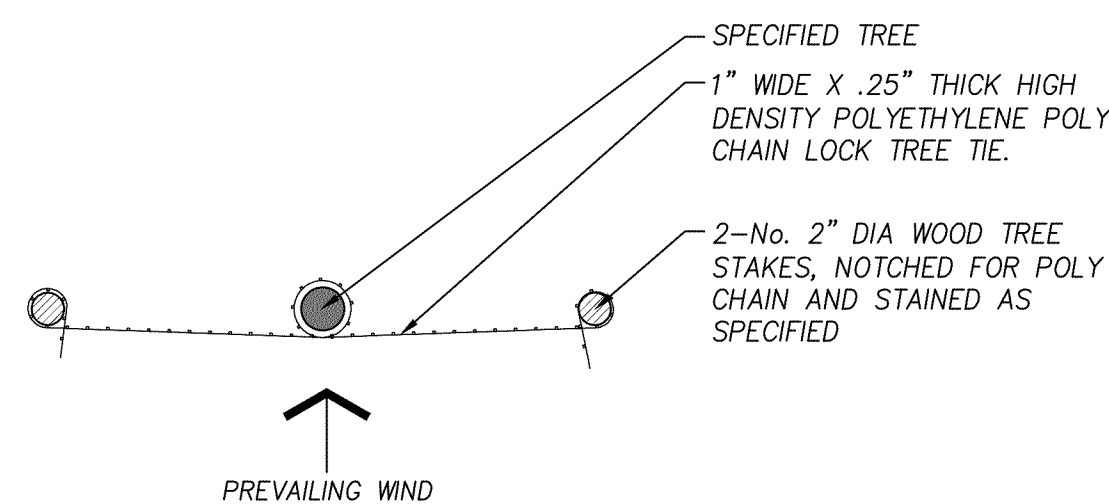
CONSTRUCTION NOTES:

- EXISTING LANDSCAPE TO REMAIN, TYP.
- PLACE 12" DEEP TOP SOIL IN PLANTER BEDS, TYP. - 45.3 CY
- PLACE 4" DEEP TOP SOIL IN SEEDED AREAS, TYP. - 43.2 CY
- PLACE 3" DEEP BARK MULCH IN PLANTER BEDS, TYP. - 11.3 CY
- PLANT ROUGH SEED AS SHOWN - .08 AC
- INSTALL DOUBLE SWING GATE PER DETAIL SHEET L3.0.
- INSTALL 6' TALL CHAIN LINK FENCE AS SHOWN. SEE DETAIL THIS SHEET.

SEE SHEET L1.0 FOR PLANT NOTES



NOTE:
WRAP POLY CHAIN AROUND NOTCHED STAKE AND LOCK TO SECURE. WRAP TRUNK TO MOVE 3" IN ALL DIRECTIONS.



1 DECIDUOUS TREE PLANTING
Section

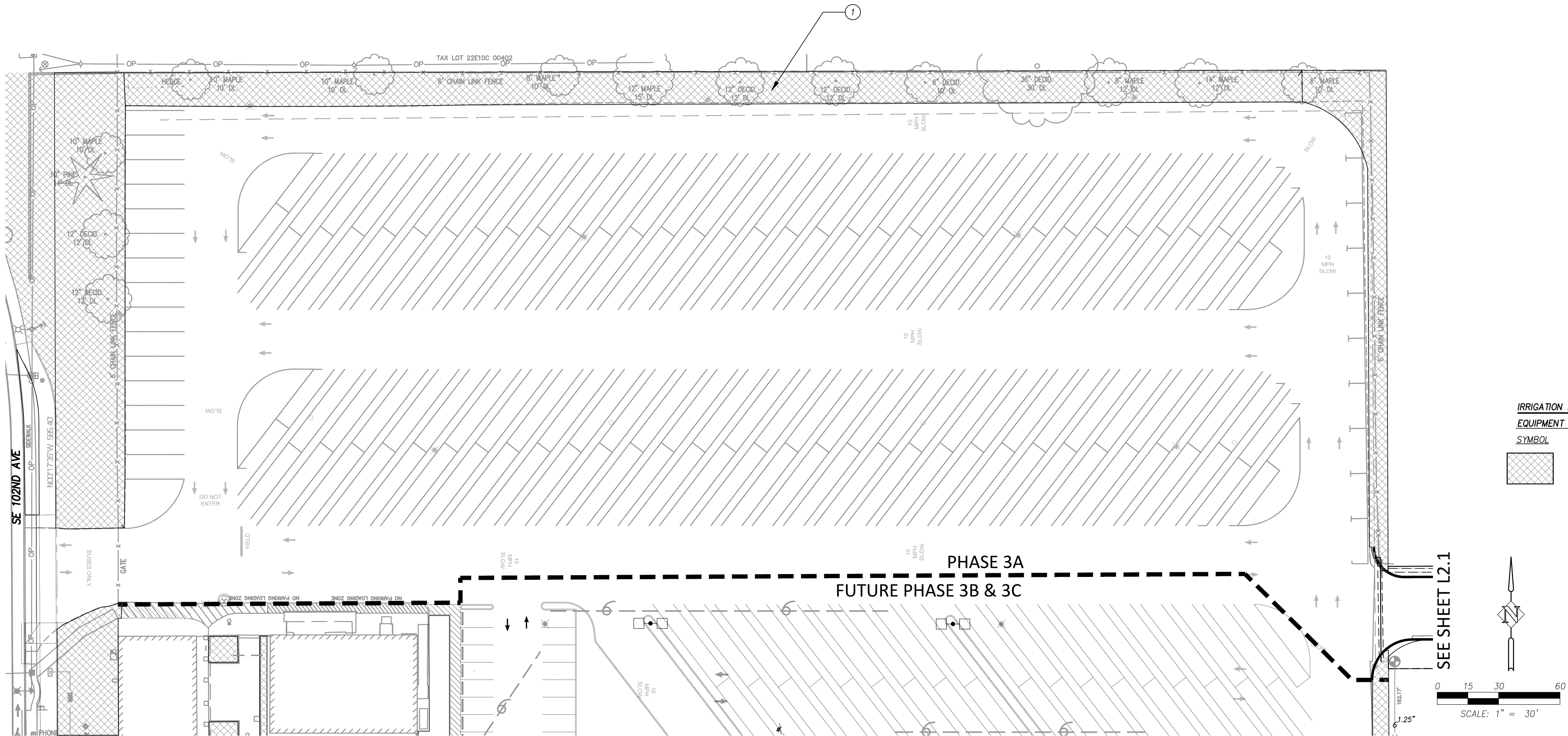
NOT TO SCALE

2 TREE STAKING
Plan

NOT TO SCALE

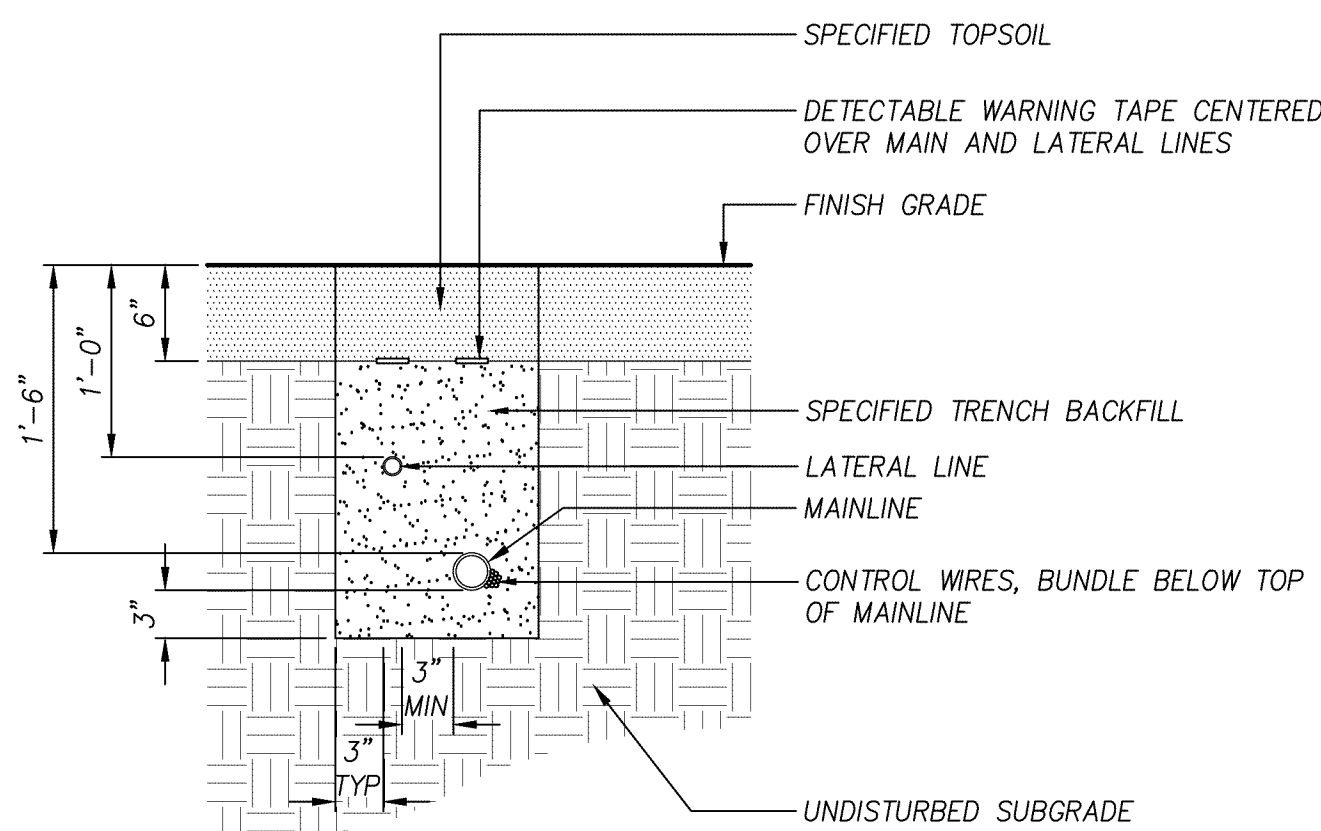
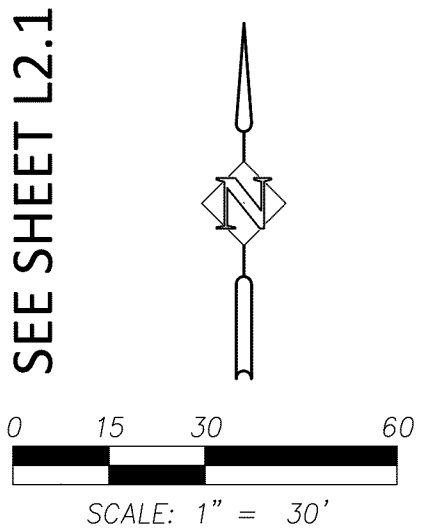
3 CHAINLINK FENCE
Section

0 1' 2' 4'

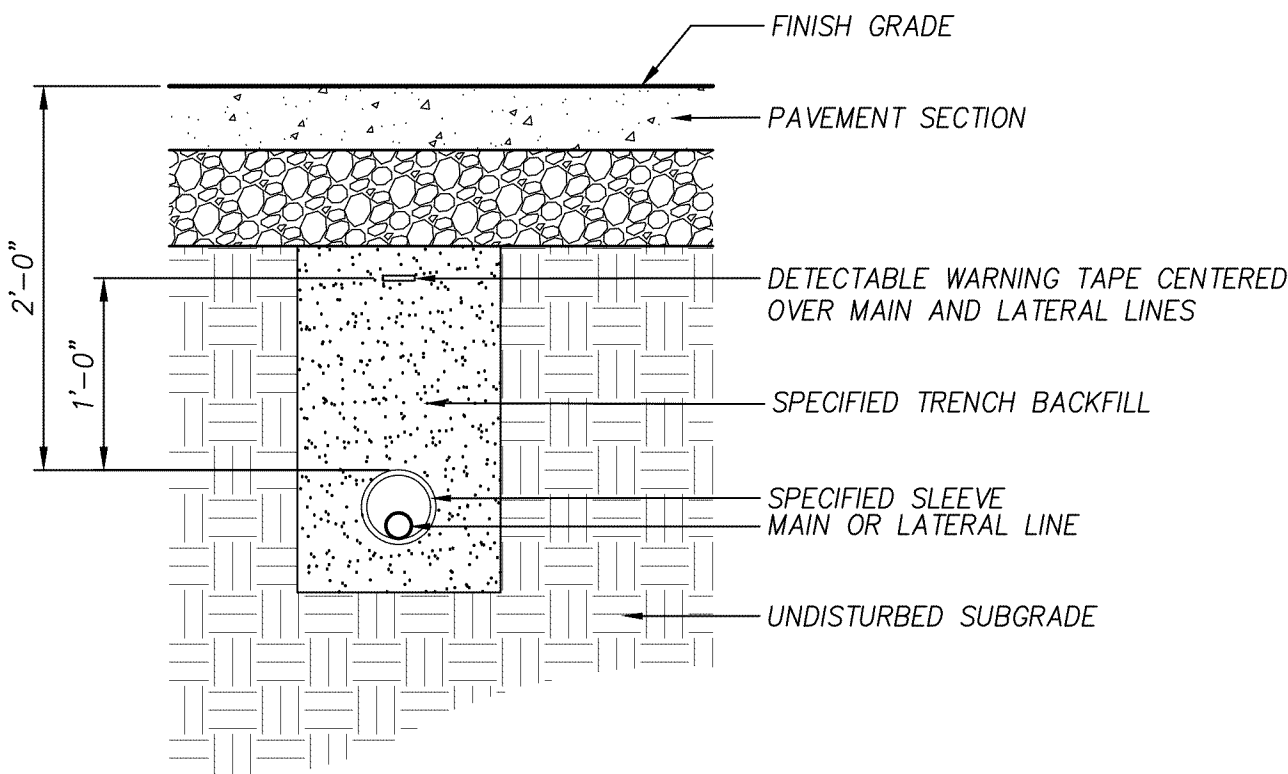


CONSTRUCTION NOTES:
1 EXISTING IRRIGATION TO REMAIN, TYP.

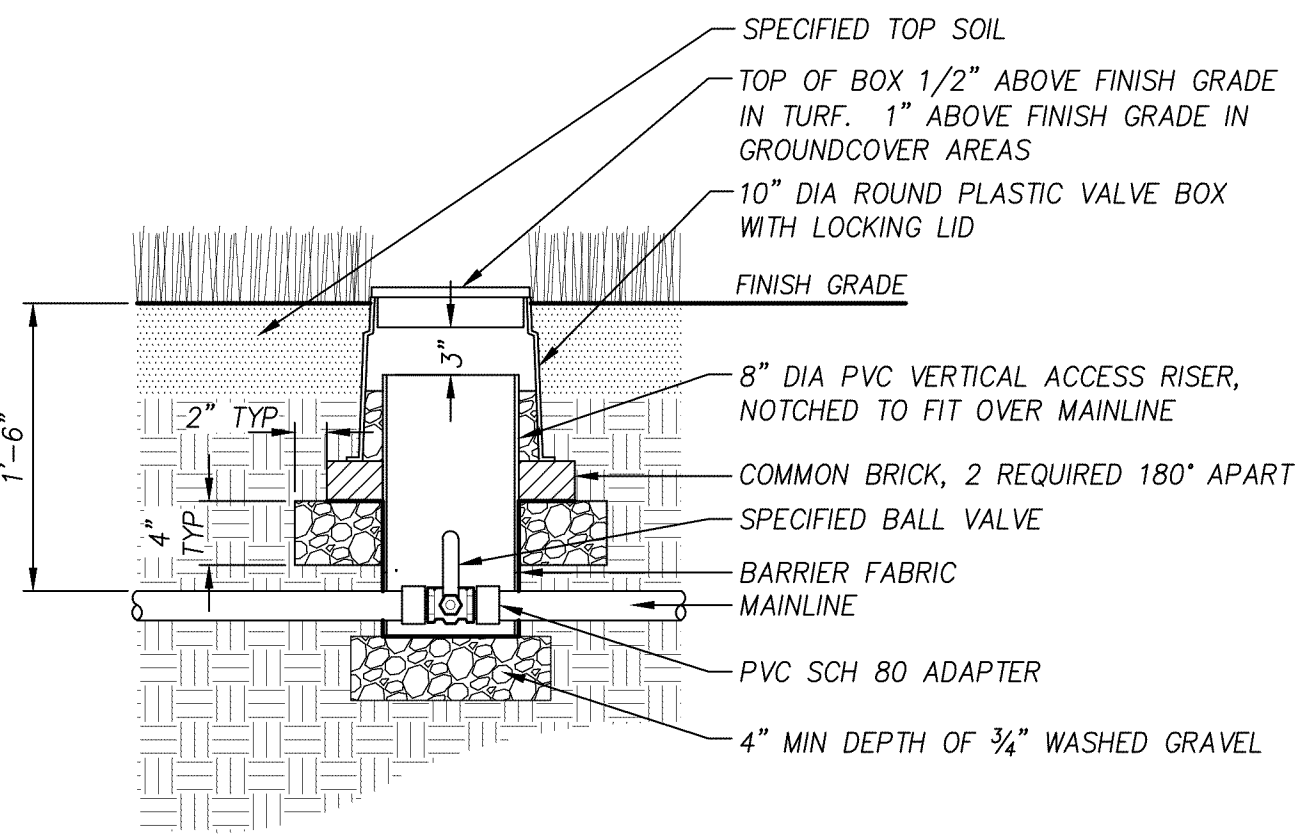
IRRIGATION LEGEND	
EQUIPMENT	
SYMBOL	DESCRIPTION
	EXISTING IRRIGATION TO REMAIN



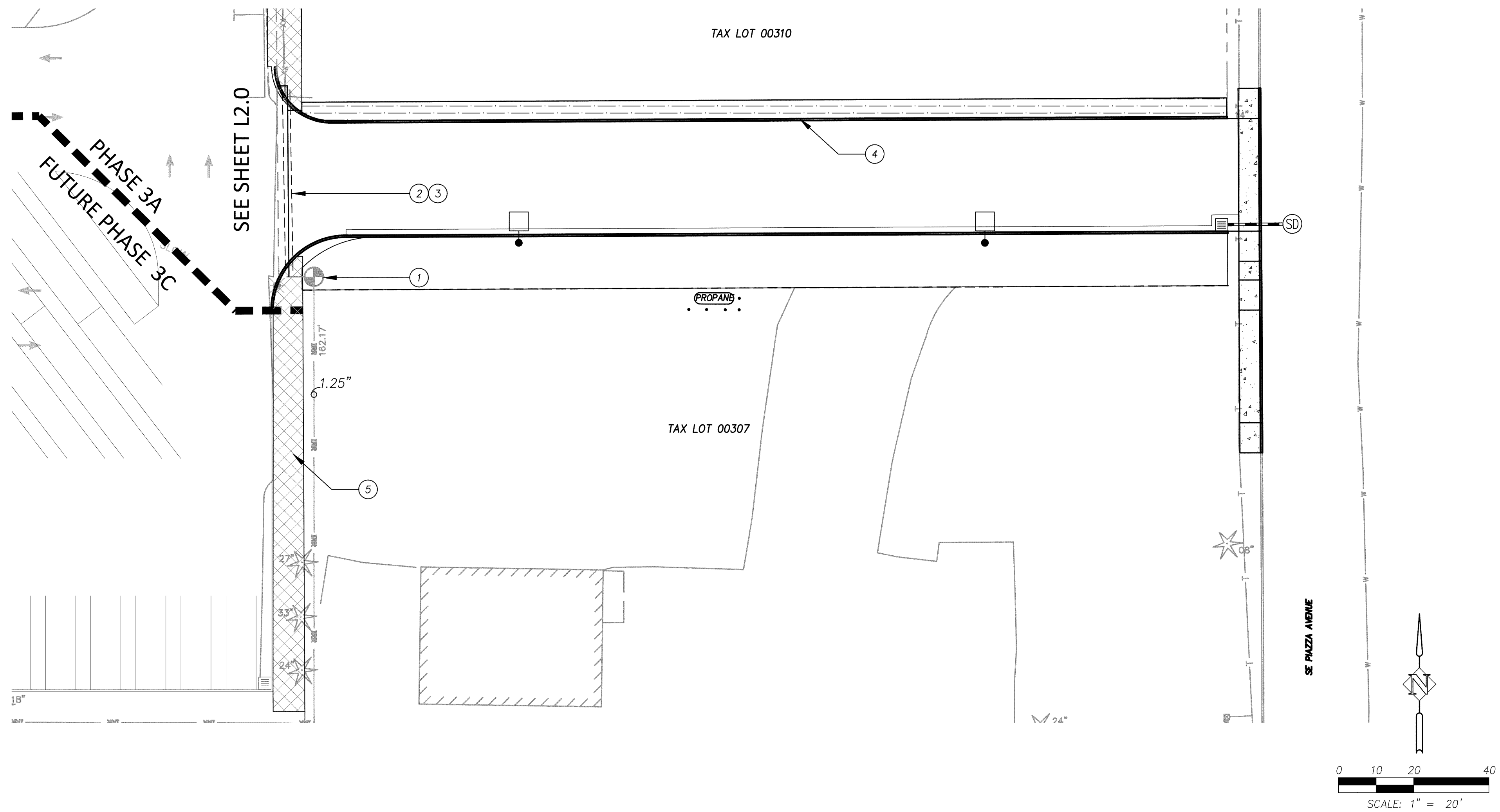
1 TYPICAL TRENCHING
Section
NOT TO SCALE







2 SLEEVING
Section
NOT TO SCALE











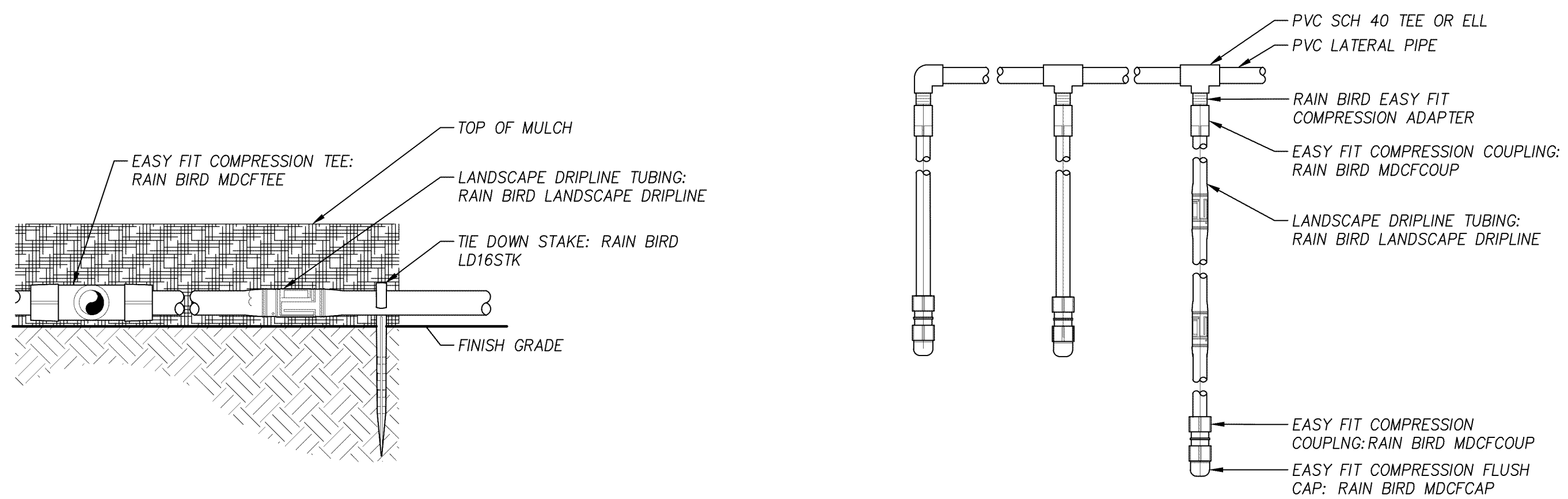
3 ISOLATION VALVE
Section
NOT TO SCALE



<u>SYMBOL</u>	<u>DESCRIPTION</u>
	BALL VALVE - NIBCO T-560 OR APPROVED EQUAL.
	REMOTE CONTROL VALVE -RAINBIRD PEB SERIES, SIZE AS SHOWN
	EXISTING REMOTE CONTROL
	CONTROLLER - EXISTING TO REMAIN

PIPE

 EXISTING MAINLINE - SIZE AS SHOWN
 EXISTING LATERAL LINE - SIZE AS SHOWN
 SLEEVING - 4" SLEEVE FOR PIPES < 2", 6" SLEEVE FOR PIPES 2.5"-4"
 LATERAL LINE - .75", CLASS 200 PVC
 LATERAL LINE - 1.0", 1.25" & 1.5" CLASS 200 PVC
 LATERAL LINE - SIZE AS INDICATED, CLASS 200 PVC
 DRIPLINE - RAINBIRD XFS-09-12-100 SUB SURFACE DRIPLINE
 EXISTING IRRIGATION TO REMAIN - 29,607

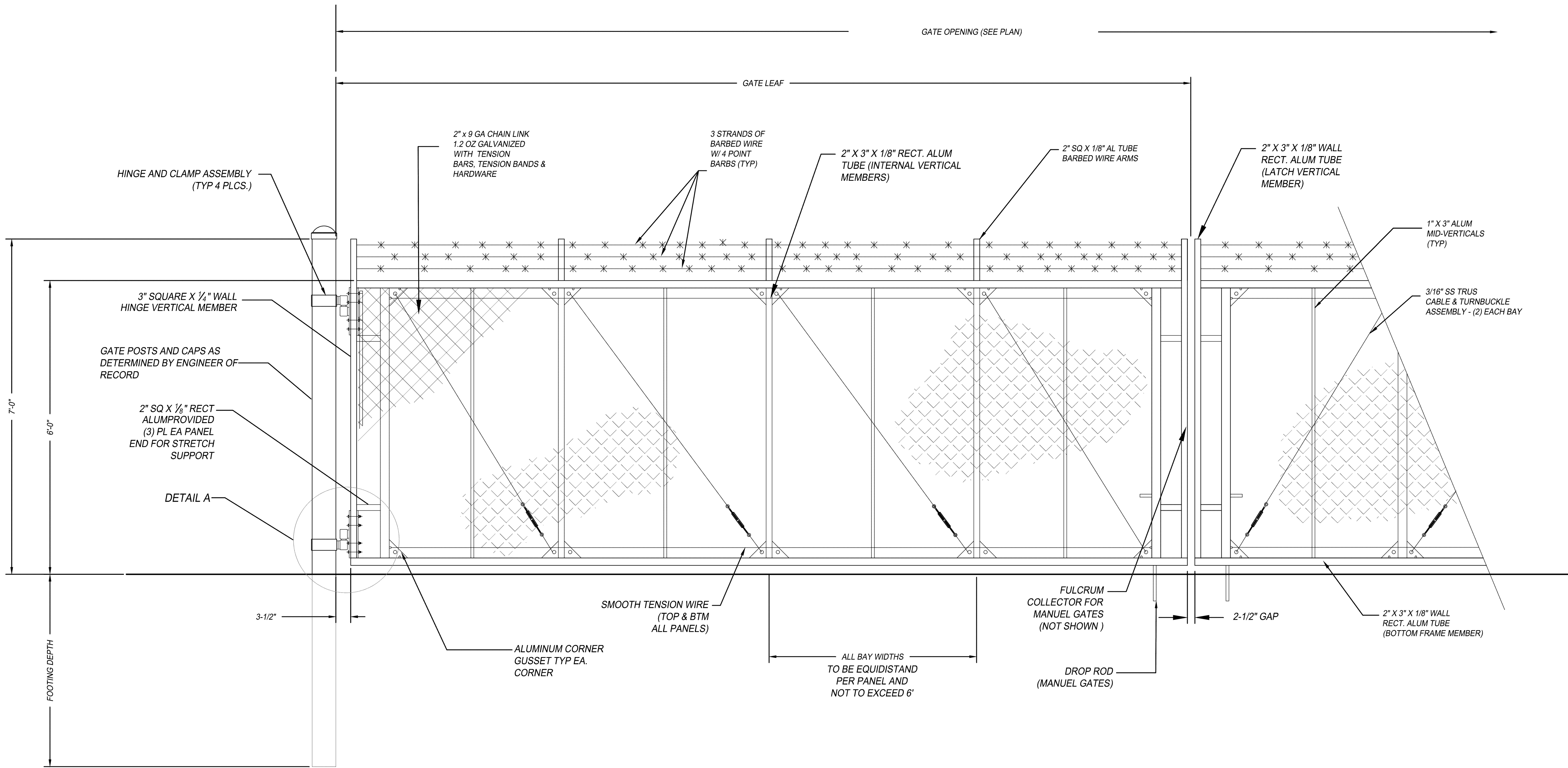


1 LANDSCAPE DRIPLINE ON GRADE
Section

NOT TO SCALE

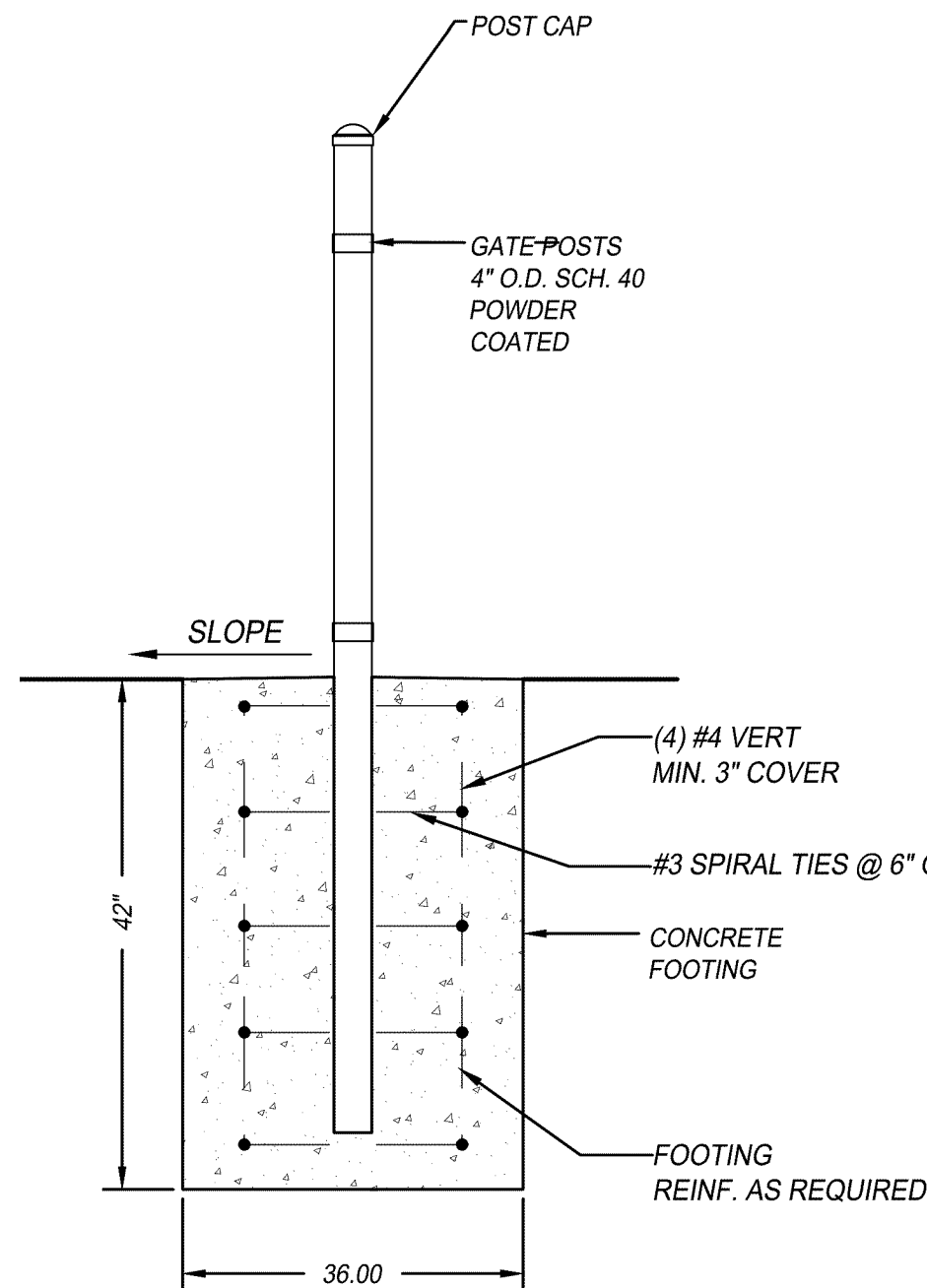
2 LANDSCAPE DRIPLINE LATERALS
Section

NOT TO SCALE



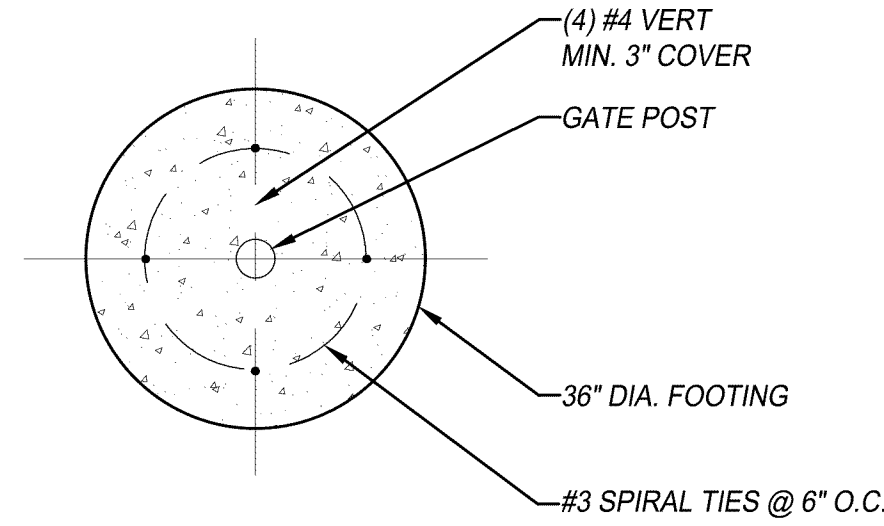
1 DOUBLE SWING GATE
ELEVATION

Scale: 1"-10'-0"



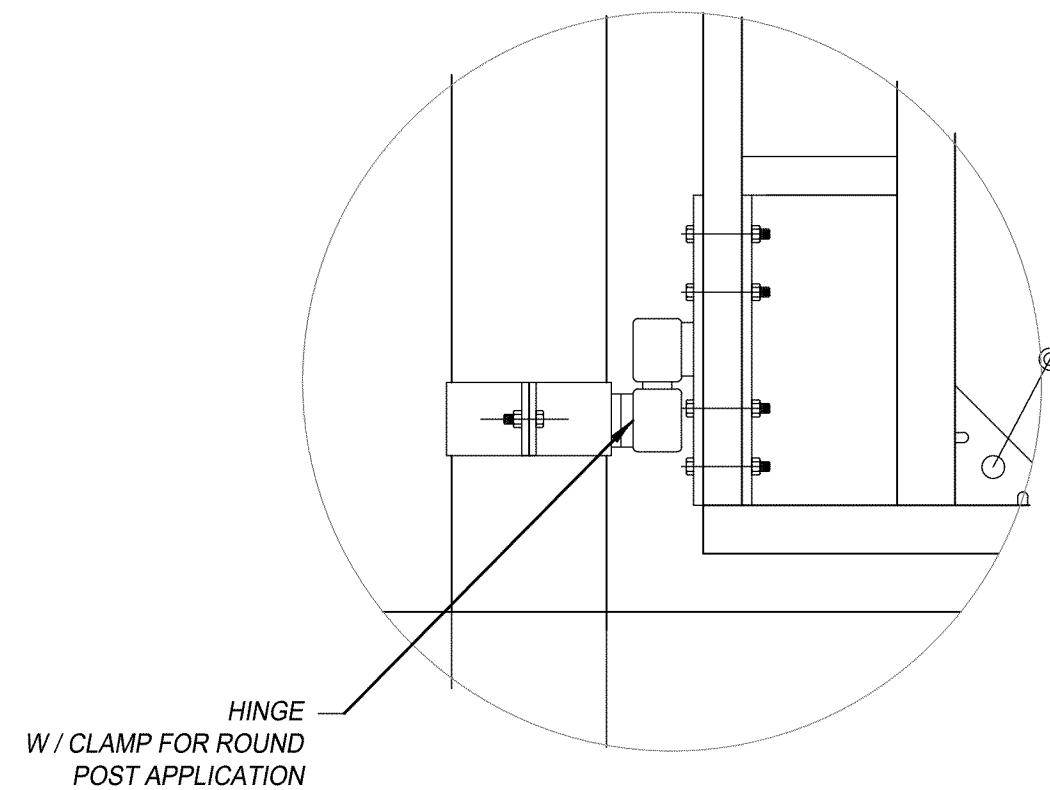
2 GATE POST FOOTING
SECTION

Scale: 1"-20'-0"



3 GATE POST FOOTING
PLAN

Scale: 1"-20'-0"



4 GATE POST HINDGE
ENLARGED DETAIL

NTS

DETAIL A: HINGE

LG CAPACITY, ROUND POST OPTION
1000 LB CAPACITY CLAMP-ON
POWER HINGE ASSEMBLY
MAXIMUM LEAF LENGTH: 30'

- NOTES
1. PRODUCT: SERIES 8630 LARGE SWING OPENING GATE BY JAMIESON MANUFACTURING CO. (OR APPROVED EQUAL)
 2. FRAME MATERIAL GRADE AS PER WRITTEN SPECIFICATIONS
 3. ALL MATERIAL SHOWN SHALL BE NEW ALUMINUM UNLESS OTHERWISE NOTED
 3. 2" X 9 GA. GALVANIZED CHAINLINK FABRIC TO COVER THE ENTIRE LENGTH OF GATE.
 5. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 6. DETAIL ARE NOT FOR CONSTRUCTION PURPOSES AND ARE FOR INFORMATION AND BIDDING PURPOSES ONLY. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION. DRAWINGS SHALL INCLUDE DIMENSION, POST SIZES, FOOTING SIZES.