





**CITY OF SHERWOOD STANDARD NOTES**

- CONTRACTOR SHALL NOTIFY CITY OF SHERWOOD ENGINEERING DEPARTMENT (AT 503-925-2306) TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK ON GRADING, PUBLIC IMPROVEMENTS, OR STORM WATER TREATMENT FACILITIES.
- ALL CONSTRUCTION WORK AND MATERIALS SHALL CONFORM TO APPLICABLE CITY OF SHERWOOD STANDARDS CONSTRUCTION SPECIFICATIONS, CLEAN WATER SERVICES (CWS) DESIGN AND CONSTRUCTION STANDARDS, UNIFORM PLUMBING CODE (UPC) AND UNIFORM BUILDING CODE (UBC). CONTRACTOR AND SUBCONTRACTOR(S) SHALL HAVE A MINIMUM OF ONE SET OF APPROVED PLANS AND CITY OF SHERWOOD STANDARD CONSTRUCTION SPECIFICATIONS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- APPLICANT(S) IS RESPONSIBLE FOR ALL COSTS OF CONSTRUCTION.
- CITY OF SHERWOOD BUILDING DEPARTMENT PERMITS ARE REQUIRED FOR PRIVATELY MAINTAINED SEWER, INLETS, INLET LEADS, AND SERVICE LATERALS CONSTRUCTED OUTSIDE OF PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENT. ALL WORK APPROVED UNDER PLUMBING PERMITS SHALL BE PRIVATELY OWNED AND MAINTAINED.
- ATTENTION EXCAVATORS:** OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING (503) 232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THESE RULES, YOU MAY CONTACT THE CALL CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING EXCAVATION. CALL (503) 246-6699
- ALL TRENCH LINES AND EXCAVATIONS SHALL BE PROPERLY SHORED AND BRACED TO PREVENT CAVING. UNUSUALLY DEEP EXCAVATIONS MAY REQUIRE EXTRA SHORING AND BRACING. ALL SHEETING, SHORING, AND BRACING OF TRENCHES SHALL CONFORM TO OREGON OCCUPATIONAL SAFETY AND HEALTH DIVISION (OSHA) REGULATIONS AND CITY OF SHERWOOD STANDARD SPECIFICATIONS.
- CONTRACTOR IS TO FEILD VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION
- SITE EROSION CONTROL PLAN AND BMP'S MEETING CWS STANDARDS TO BE IN PLACE AND APPROVED PRIOR TO CONSTRUCTION
- A TEMPORARY USE PERMIT, SUBJECT TO SECTION 16.86 OF THE CITY OF SHERWOOD CODE, IS REQUIRED PRIOR TO ANY USE OF AN ON-SITE CONSTRUCTION TRAILER. UNDER NO CIRCUMSTANCE SHALL THE TRAILER BE LOCATED IN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION. A COPY OF THE REQUIRED PERMITS AND ATTACHMENTS SHALL BE AT THE WORK SITE AND AVAILABLE DURING CONSTRUCTION.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL PLAN SHALL BE SUBJECT TO THE APPROVAL OF THE CITY.
- ANY INSPECTION OR CONSTRUCTION OBSERVATION BY THE CITY, COUNTY, STATE, OR OTHER JURISDICTIONAL AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, CITY STANDARDS, AND PROJECT CONTRACT DOCUMENTS.
- CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING STRUCTURES AND UTILITIES NOT SHOWN TO BE REMOVED. CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING STRUCTURES (SIDEWALKS, CURB, FENCE, STREET TREES, ETC.) DAMAGED DURING CONSTRUCTION, IN ACCORDANCE WITH CITY STANDARDS.
- NO TRENCHES OR PITS WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL TRENCHES AND PITS SHALL BE COVERED WITH STEEL PLATES OR FILLED IN AT NIGHT.
- ANY ALTERATIONS OR VARIATIONS FROM THESE PLANS, EXCEPT MINOR FIELD ADJUSTMENTS NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL BE APPROVED THE THE ENGINEER AND APPLICABLE REGULATORY AGENCY REPRESENTATIVE.
- ANY PRIVATE UTILITIES TO BE INSTALLED WITHIN CITY OF SHERWOOD RIGHT-OF-WAY THAT IS NOT SHOWN ON THE APPROVED CONSTRUCTION PLANS (POWER, TELECOMMUNICATIONS, GAS, IRRIGATION, ETC.) SHALL HAVE PLANS SUBMITTED FOR A RIGHT-OF-WAY PERMIT PRIOR TO CONSTRUCTION OF UTILITY. ANY PRIVATE OR FRANCHISE UTILITIES INSTALLED WITHOUT A RIGHT OF WAY PERMIT IS SUBJECT TO REMOVAL.
- CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION OF A TRAFFIC CONTROL PLAN AND ITS CONTINUED FUNCTIONING FOR THE PROTECTION OF CONSTRUCTION WORKERS, VEHICULAR TRAFFIC, BICYCLE TRAFFIC AND PEDESTRIANS. ALL TRAFFIC CONTROL DEVICES/SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. APPROVAL OF THE TRAFFIC CONTROL PLAN BY THE CITY OF SHERWOOD DOES NOT NEGATE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A SAFE WORK ZONE. THE CITY OF SHERWOOD BEARS NO LIABILITY FOR THE CONTRACTOR'S IMPLEMENTATION OF THIS TRAFFIC CONTROL PLAN. **ONLY NEEDED IF WORK EXTENDS OUT TO THE PUBLIC RIGHT-OF-WAY.**

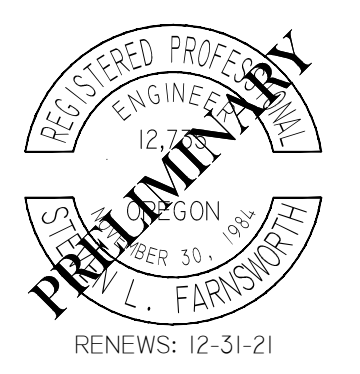
**STORM SEWER NOTES - GENERAL**

- STORM SEWER PIPE SHALL BE AS NOTED ON PLANS AND CONFORM TO THE REQUIREMENTS BELOW.
- STORM SEWER MATERIALS AND TESTING SHALL MEET CLEAN WATER SERVICES (CWS) DESIGN AND CONSTRUCTION SPECIFICATIONS AND THE CITY OF SHERWOOD'S ENGINEERING DESIGN MANUAL.
- ALL STORM SERVICE STUB OUTS SHALL EXTEND A MINIMUM OF THREE FEET (3') BEYOND EASEMENT OR RIGHT-OF-WAY LINE AND BE MARKED WITH A PRESSURE TREATED 2" X 4". THE TOP 12" SHALL BE PAINTED WHITE AND LABELED "ST" FOR FUTURE LOCATION. THE 2" X 4" SHALL BE MARKED WITH DETECTABLE UNDERGROUND MAGNETIC TAPE GREEN IN COLOR AND BE MARKED "CAUTION STORM DRAIN BURIED BELOW". THE MAGNETIC TAPE SHALL BE PLACED FROM THE MAIN PIPELINE TO THE END OF THE SIDE LATERAL WITH 18" OF SEPARATION BETWEEN THE TAPE AND PIPE. THE SERVICE LATERAL SHALL ALSO HAVE TRACER WIRE INSTALLED. THE TRACER WIRE SHALL BE 12-GAGE STRANDED COPPER WIRE WITH WHITE HMW-PE INSULATION. TRACER WIRE SHALL RUN TO THE TOP OF THE 2 X 4 MARKER. STORM SERVICE STUB OUTS TO BE A MINIMUM OF 4-INCH DIAMETER PIPE AND HAVE A MINIMUM SLOPE OF 2%.
- ALL STORM SEWER LINES SHALL BE VIDEO INSPECTED BY THE CONTRACTOR. TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HOUR NOTICE IS REQUIRED. CITY WITNESSED VIDEO INSPECTION SHALL OCCUR AFTER THE PLACEMENT OF ASPHALT. CITY STRONGLY ENCOURAGES VIDEO INSPECTION BY THE DEVELOPER AND/OR CONTRACTOR PRIOR TO ASPHALT PLACEMENT. SHOULD CONTRACTOR OR DEVELOPER HAVE QUESTIONS REGARDING SPECIFIC SECTIONS OF PRE-ASPHALT VIDEO, CITY INSPECTOR SHALL PROVIDE A RECOMMENDATION UPON THE ACCEPTABILITY OF THE SECTION IN QUESTION.
- ALL STORM SEWER LINES SHALL HAVE A MANDREL PASSED THROUGH TO CHECK DEFLECTION. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HOUR NOTICE IS REQUIRED.
- ANY NEW LATERAL TAPS INTO AN EXISTING STORM SEWER WILL REQUIRE VIDEO INSPECTION OF THAT EXISTING SEWER.

**SITE SPECIFIC GENERAL NOTES**

- CONTRACTOR TO VERIFY EXISTING STORM SEWER PIPE LATERAL GOING TO THE EXISTING 48" MANHOLE IN SW BORCHERS ROAD AS EITHER 10" OR 12" PRIOR TO ORDERING MATERIALS.
- EXISTING 60" MANHOLE TO BE SALVAGED AND REUSED SO TAKE CARE IN ITS REMOVAL.
- XX

REVISION INFORMATION	AGENCY	
	WASH CO	
DATE	08/31/17	
SUBMITTAL		
1ST SUBMITTAL		



**Roadway Engineering, Inc.**  
 SPECIALIZING IN CIVIL ENGINEERING  
 20015 SW TILLAMOOK CT. TUALATIN, OR 97062  
 PHONE: (503) 287-8433 FAX: (503) 486-5229  
 Licensed in California, Oregon & Washington

ZIGGY'S COFFEE STAND  
 MODIFICATIONS TO DRIVE UP

21003 SW BORCHERS ROAD  
 CITY OF SHERWOOD, OREGON

GENERAL NOTES

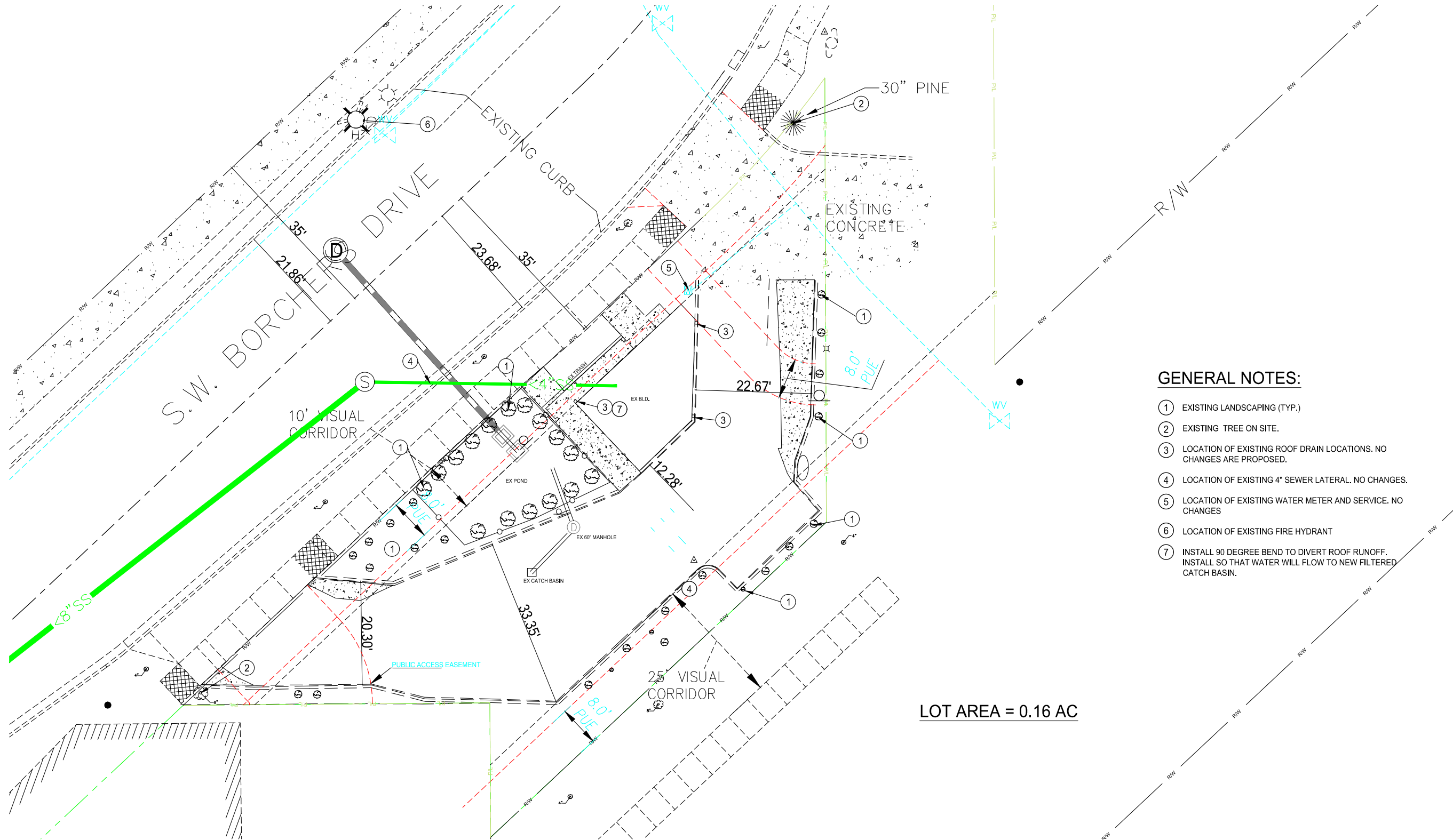
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SCALE:	1" = 10' HORIZ

PRELIMINARY

**C-2**



SCALE 10 0 10  
IN FEET



LOT AREA = 0.16 AC

**GENERAL NOTES:**

- ① EXISTING LANDSCAPING (TYP.)
- ② EXISTING TREE ON SITE.
- ③ LOCATION OF EXISTING ROOF DRAIN LOCATIONS. NO CHANGES ARE PROPOSED.
- ④ LOCATION OF EXISTING 4" SEWER LATERAL. NO CHANGES.
- ⑤ LOCATION OF EXISTING WATER METER AND SERVICE. NO CHANGES
- ⑥ LOCATION OF EXISTING FIRE HYDRANT
- ⑦ INSTALL 90 DEGREE BEND TO DIVERT ROOF RUNOFF. INSTALL SO THAT WATER WILL FLOW TO NEW FILTERED CATCH BASIN.

**EXISTING CONDITIONS PLAN**

SCALE: 1" = 10'

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REVISION INFORMATION		AGENCY
SUBMITTAL	DATE	CITY OF SHERWOOD
1ST SUBMITTAL	11/17/2020	CITY OF SHERWOOD
2ND SUBMITTAL	12/7/2020	CITY OF SHERWOOD



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ZIGGY'S COFFEE STAND  
 MODIFICATIONS TO DRIVE UP  
 21003 SW BORCHERS ROAD  
 CITY OF SHERWOOD, OREGON  
 EXISTING CONDITIONS PLAN

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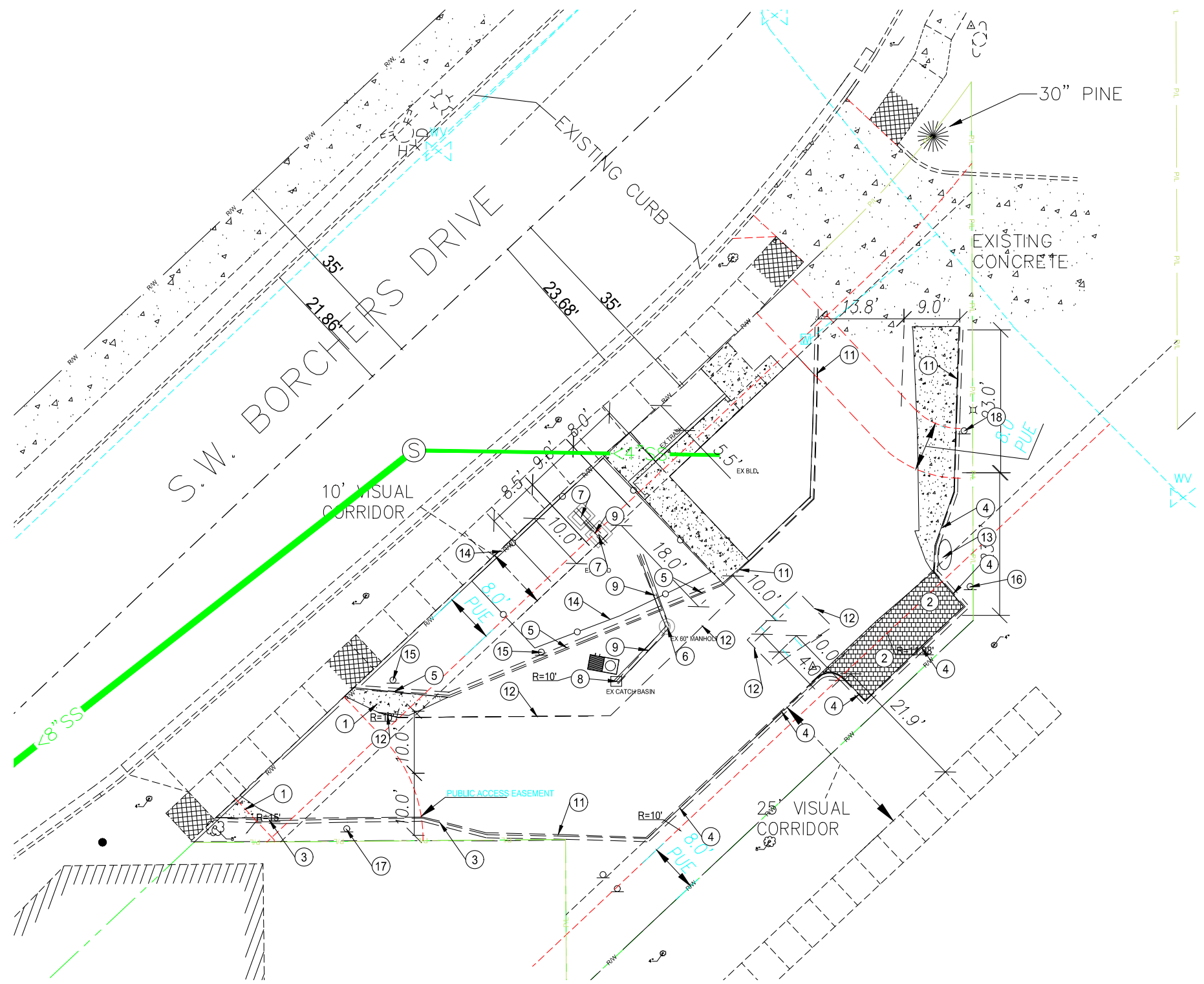
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**C-2A**





SCALE 10 0 10  
IN FEET



**DEMOLITION PLAN**  
SCALE: 1" = 10'

**CONSTRUCTION NOTES:**

- ① REMOVE EXISTING CONCRETE PAD.
- ② REMOVE EXISTING PAVERS.
- ③ STA 0+32.78 15.59' RT TO STA 0+67.46 10' RT REMOVE EXISTING CURB
- ④ STA 0+89.75 12.25' RT TO STA 1+50.50 15.63' RT REMOVE EXISTING CURB
- ⑤ STA 0+45.83 13.72' LT TO STA 1+21.67 12.33' LT REMOVE EXISTING CURB
- ⑥ REMOVE EXISTING 60" WATER QUALITY MANHOLE (SALVAGE)
- ⑦ REMOVE EXISTING DITCH INLET
- ⑧ REMOVE EXISTING LYNCH CATCH BASIN
- ⑨ REMOVE EXISTING PIPE
- ⑩ REMOVE AND RELOCATE SIGN
- ⑪ EXISTING CURB TO REMAIN
- ⑫ SAWCUT EXISTING ASPHALT AND CURB
- ⑬ REMOVE EXISTING BOULDER
- ⑭ REMOVE EXISTING IRON FENCE
- ⑮ REMOVE EXISTING SIGN & POST
- ⑯ RELOCATE SIGN TO NEW ADA PARKING LOCATION
- ⑰ RELOCATE EMPLOYEE PARKING SIGN TO NEW PARKING BAYS TO THE EAST
- ⑱ EXISTING SIGN TO REMAIN

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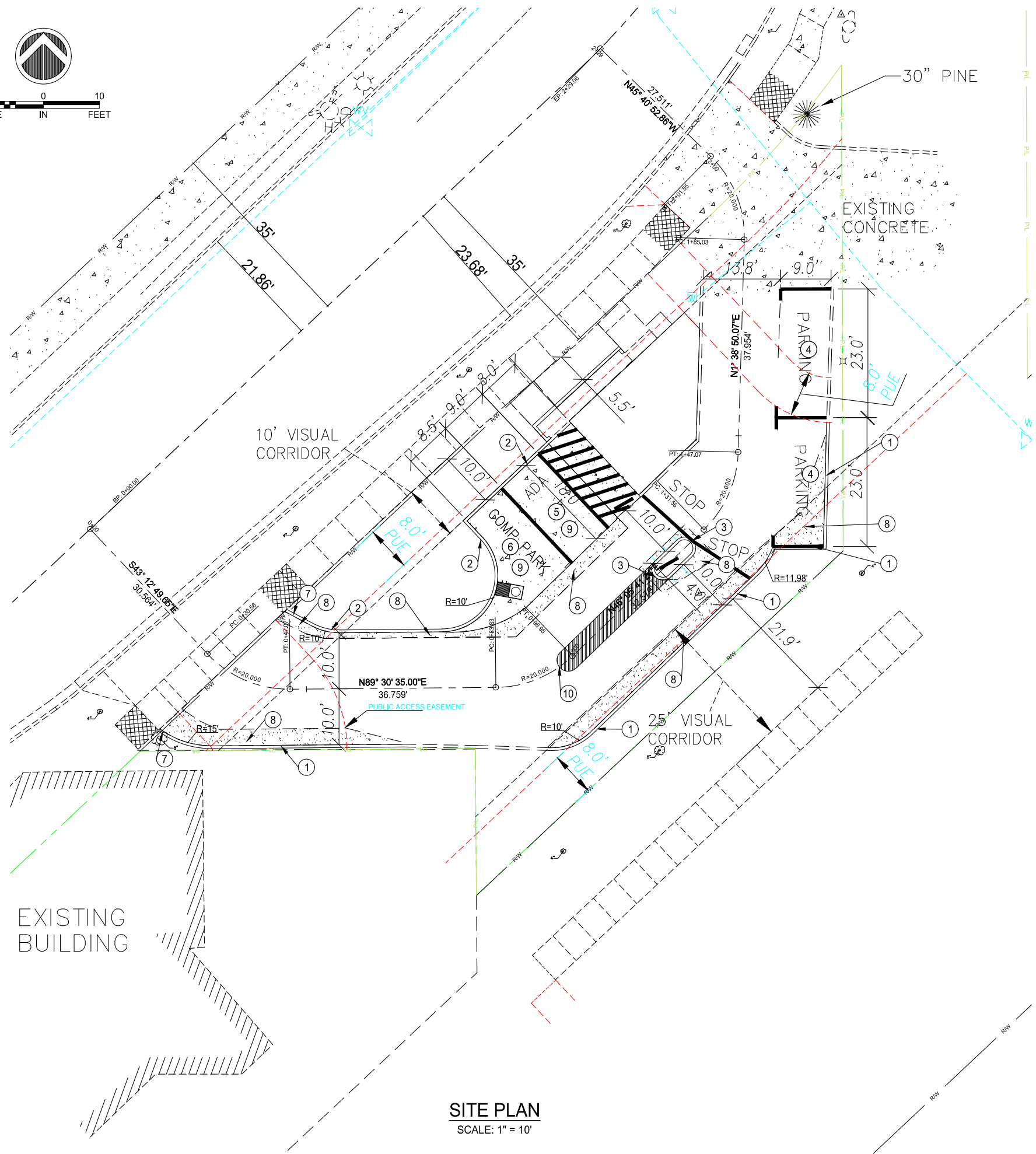
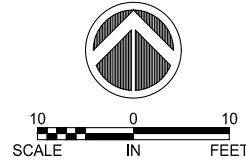
ZIGGY'S COFFEE STAND  
MODIFICATIONS TO DRIVE UP  
DEMOLITION PLAN

DATE:	10/28/2020
DESIGN:	SLF
DRAWN:	RFD
CHECK:	SLF
SCALE:	1" = 10' HORIZ

PRELIMINARY  
**C-3**

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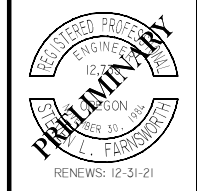


**CONSTRUCTION NOTES:**

- ① CONSTRUCT NEW VERTICAL CURB FROM STA 0+32.78 15.59' RT TO STA 0+67.46 10' RT & STA 0+89.75 12.25' RT TO STA 1+50.50 15.63' RT. SEE DETAIL RD-21 SHEET C-8. NOTE: VERTICAL CURB FROM STA 0+32.78 TO STA 0+67.46 RT TO BE 20" VERTICAL CURB AS PER DETAIL RD-21A ON SHEET C-8.
- ② CONSTRUCT NEW VERTICAL CURB FROM STA 0+44.40 13.83' LT TO STA 1+22.19 30.22' LT. SEE DETAIL RD-21 SHEET C-8
- ③ CONSTRUCT NEW VERTICAL CURB FROM STA 1+19.43 0' RT TO STA 1+28.75 0' RT. FOR ISLAND CURB. CURV RADIUS TO BE 2'. SEE DETAIL RD-21 SHEET C-8
- ④ PAINT 2 STANDARD PARKING STALLS
- ⑤ CONSTRUCT 1 HANDYCAP PARKING STALL WITH VAN ACCESSABILITY AT 2% MIN SLOPE.
- ⑥ CONSTRUCT 1 COMPACT PARKING STALL
- ⑦ TAPER CURB TO MATCH EXISTING GRADE.
- ⑧ INSTALL 3" ASPHALT CONCRETE OVER 8" CRUSHED ROCK. PAVE AT APPROX. 2% SLOPE TO NEW CURB UNLESS GRADING PLAN SHOWS A DIFFERENT SLOPE TO MAINTAIN.
- ⑨ CONSTRUCT PARKING PAD WITH 6" CONCRETE OVER 6" CRUSHED ROCK.
- ⑩ PAINT 4' ISLAND. SEE SHEET C-7

**SITE PLAN**  
SCALE: 1" = 10'

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12/17/2020	CITY OF SHERWOOD



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**SITE PLAN**

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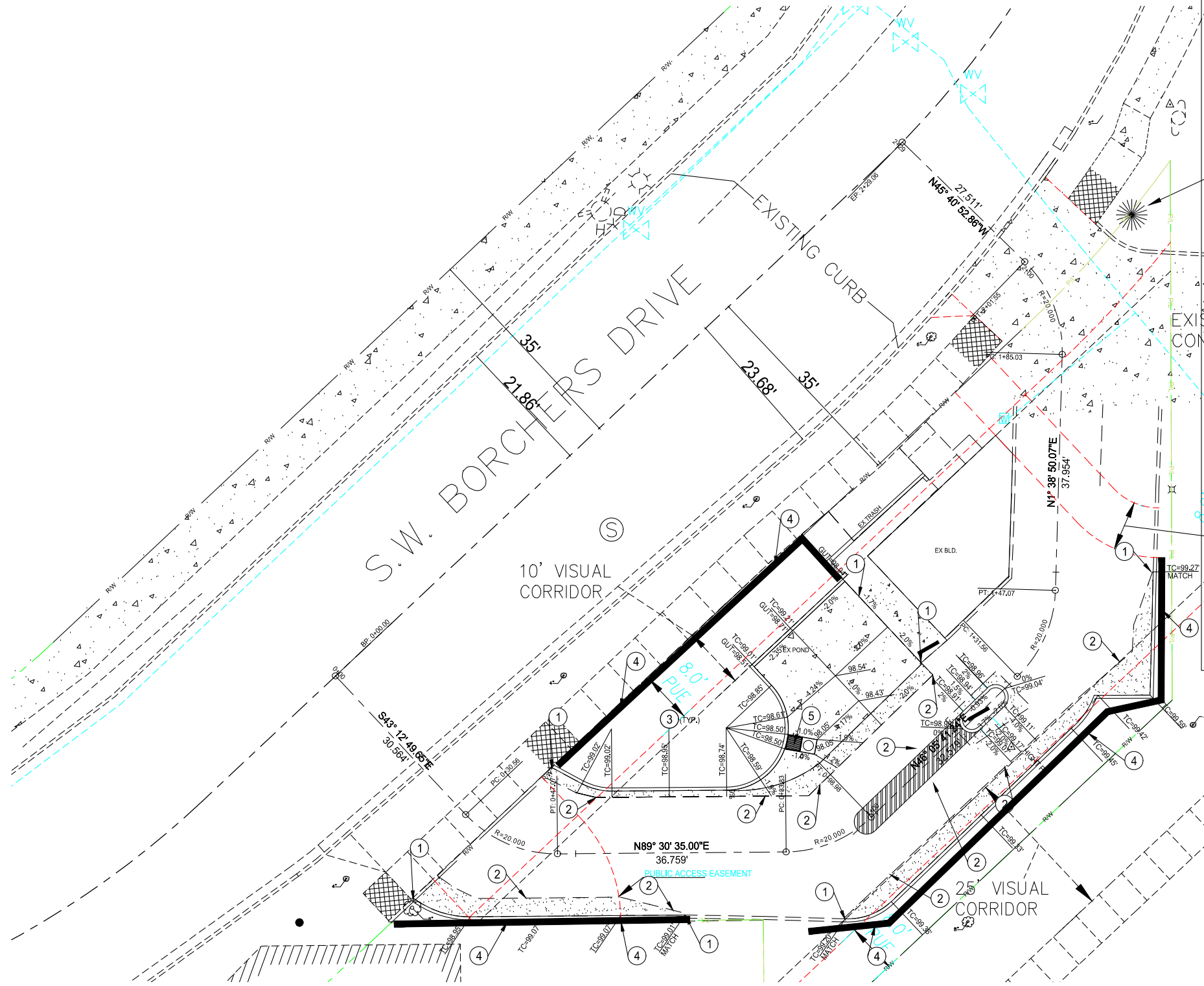
**C-4**

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10 0 10  
SCALE IN FEET



**GRADING PLAN**  
SCALE: 1" = 10'

- NOTES:**
- WHEN RAINFALL AND RUNOFF OCCURS DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE OUTFALLS MUST BE PROVIDED BY SOME ONE KNOWLEDGEABLE AND EXPERIENCED IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS WHO WORKS FOR THE PERMITTEE.
  - CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31 EACH YEAR.
  - DURING WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.
  - SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
  - ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. UNLESS OTHERWISE APPROVED, A SURFACE MOUNTED AND ATTACHABLE, U-SHAPED FILTER BAG IS REQUIRED FOR ALL CURB INLET CATCH BASINS.
  - SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIME FRAME.
  - SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.
  - SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3RD THE BARRIER HEIGHT, AND PRIOR TO THE CONTROL MEASURES REMOVAL.
  - CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
  - ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
  - THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
  - THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
  - OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE, AND FEDERAL REGULATIONS.
  - PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD, UNLESS OTHERWISE APPROVED. NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT.  
NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
  - PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPs THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPs MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
  - IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST; THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.
  - WATER-TIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPs; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
  - ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).
  - THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
  - THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
  - WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
  - IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPs MUST BE USED WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
  - ALL EXPOSED SOILS MUST BE COVERED DURING WET WEATHER PERIOD.

**STANDARD EROSION CONTROL NOTES FOR SITES LESS THAN 1 ACRE**  
DRAWING NO. 945 REVISED 12-06

**GRADING NOTES:**

- MATCH EXISTING GRADE. SLOPE LAST 3' OF CURB FROM FULL HEIGHT TO MATCHING EXISTING HEIGHT.
- SAWCUT AND MATCH
- TOP OF CURB ELEVATION WITH 6" EXPOSURE. SLOPE AT +2% TOWARDS THE CURB UNLESS OTHERWISE NOTED. NOTIFY THE ENGINEER, STEVE FARNSWORTH 503-267-8433 IF SLOPE DOES NOT APPEAR TO BE APPROXIMATELY + 2%, (TYP)

**EROSION CONTROL NOTES:**

- INSTALL WATTLES PER DETAIL # 880. SEE DETAIL SHEET
- INSTALL INLET PROTECTION TYPE 5 ON NEW CATCH BASIN. SEE DETAIL SHEET

**GENERAL NOTES:**

CONCRETE AND ASPHALT SHALL BE HAULED OFF SITE.  
ALL ORGANIC MATERIAL SHALL BE REMOVED PRIOR TO ANY FILL ADDED TO EXISTING GROUND.  
ALL FILL MATERIAL SHALL BE COMPACTED TO 95% RELATIVE COMPACTION (T-99) FOR ALL AREAS TO RECEIVE CONCRETE OR ASPHALT. IN WET WEATHER SAND OR GRANULAR MATERIAL SHALL BE USED.

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MODIFICATIONS TO DRIVE UP

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CITY OF SHERWOOD, OREGON

**GRADING AND EROSION CONTROL PLAN**

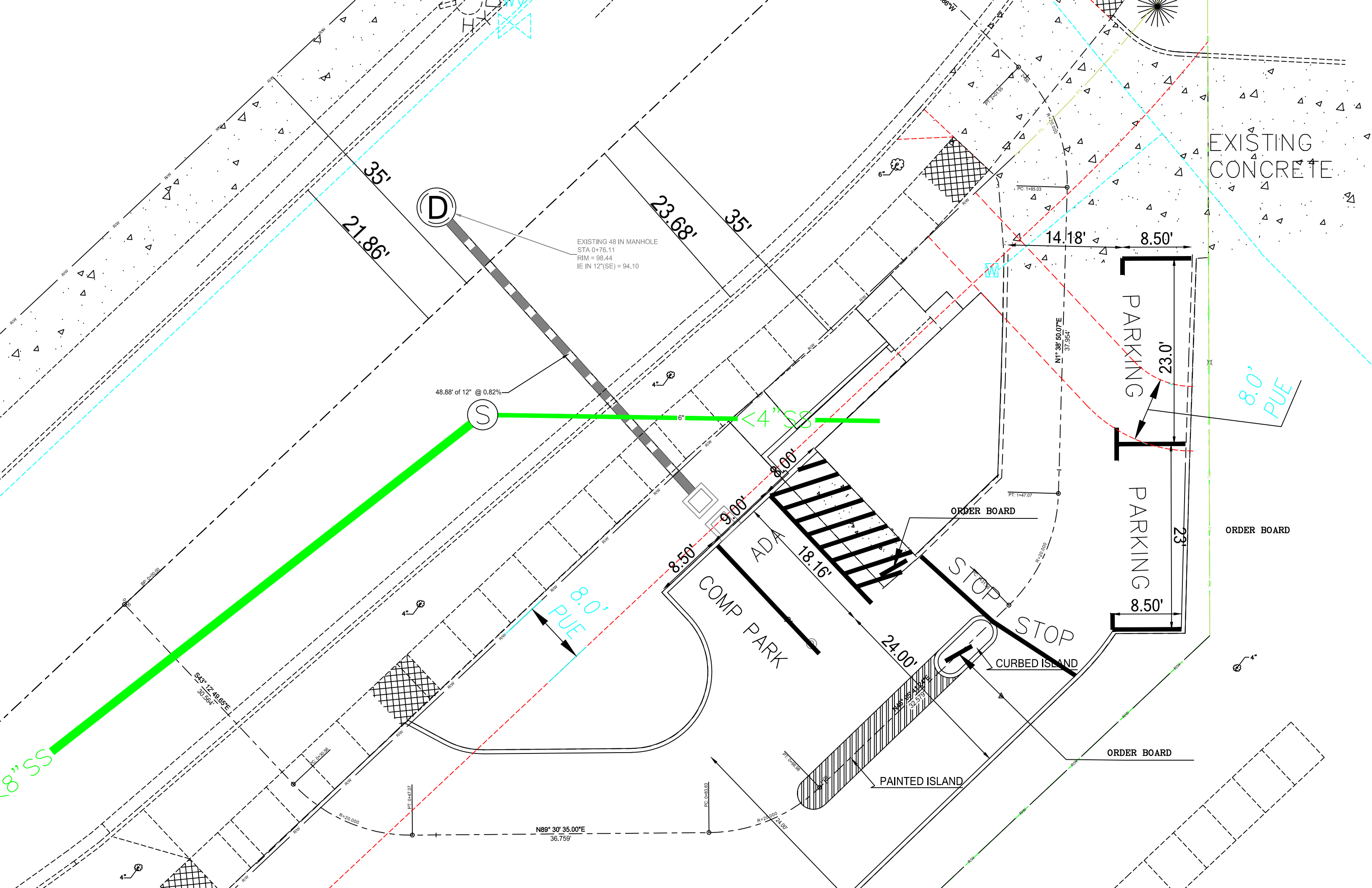
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PRELIMINARY

**C-5**

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EXISTING CONCRETE

D

S

EXISTING 48 IN MANHOLE  
STA 0+76.11  
RIM = 98.44  
IE IN 12"(SE) = 94.10

48.88' of 12" @ 0.82%

<4" SS

8.0' PUE

8.0' PUE

23.0'

PARKING

PARKING

ORDER BOARD

ORDER BOARD

STOP STOP

CURBED ISLAND

PAINTED ISLAND

ORDER BOARD

COMP PARK

ADA

35'

21.86'

23.68'

35'

14.18'

8.50'

9.00'

18.16'

24.00'

23'

8.50'

N89° 30' 35.00"E  
36.759'

S43° 12' 49.85"E  
30.564'

N1° 38' 50.07"E  
37.964'

R=20.000  
24.00'

R=20.000

R=20.000

R=20.000

PT. 0+47.07

PT. 0+47.07

PT. 1+47.07

PT. 1+47.07

PC: 0+483.83

PC: 0+20.88

PC: 1+85.03

PT: 2+00.85

PT: 2+00.85

PT: 2+00.85

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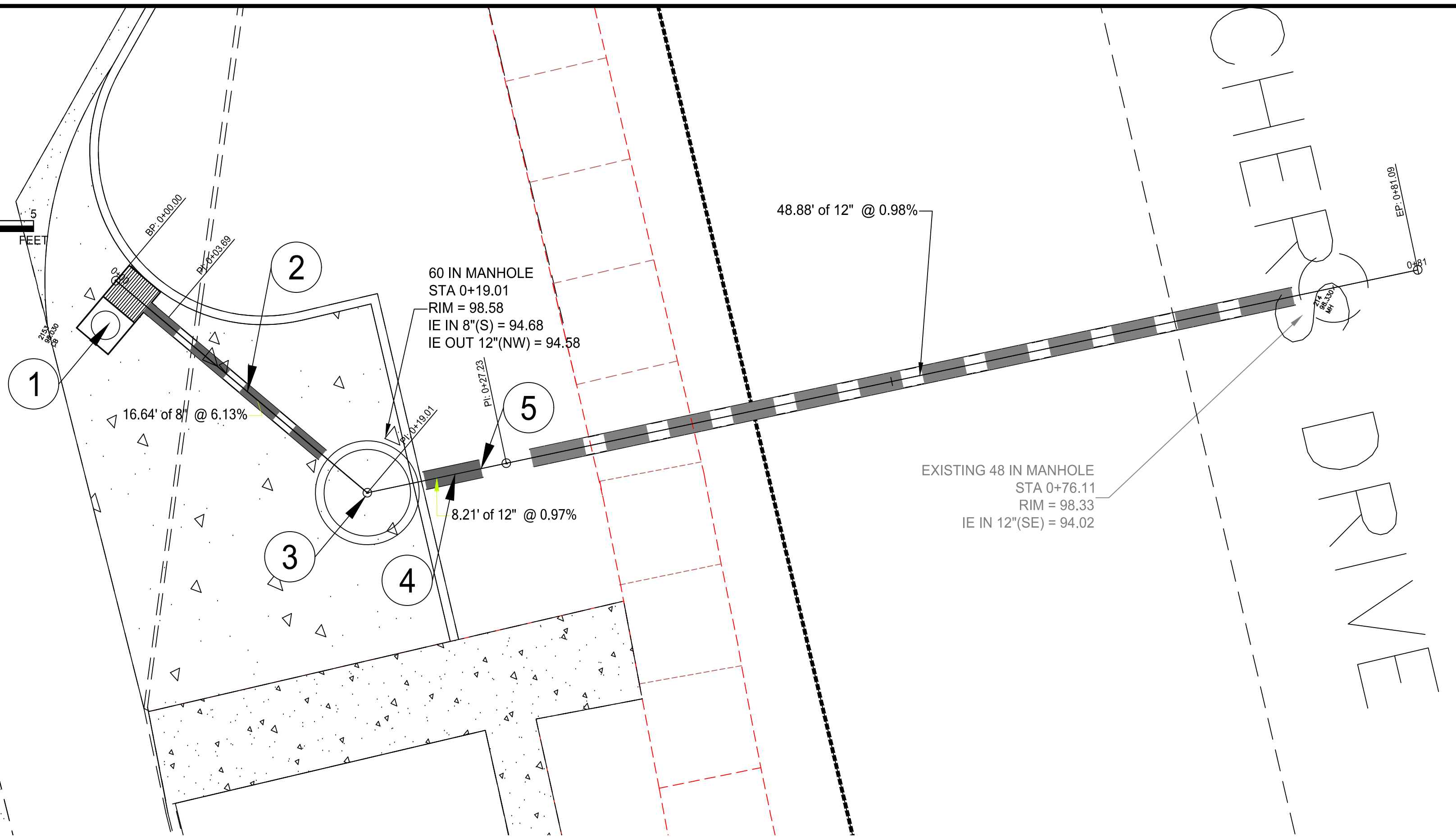
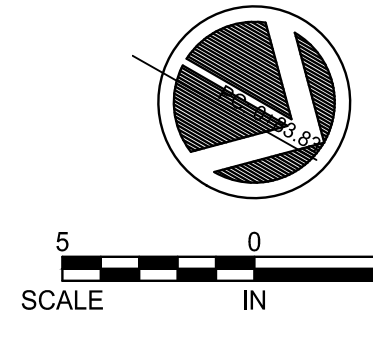
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PT: 2+00.85

PT: 2+00.85

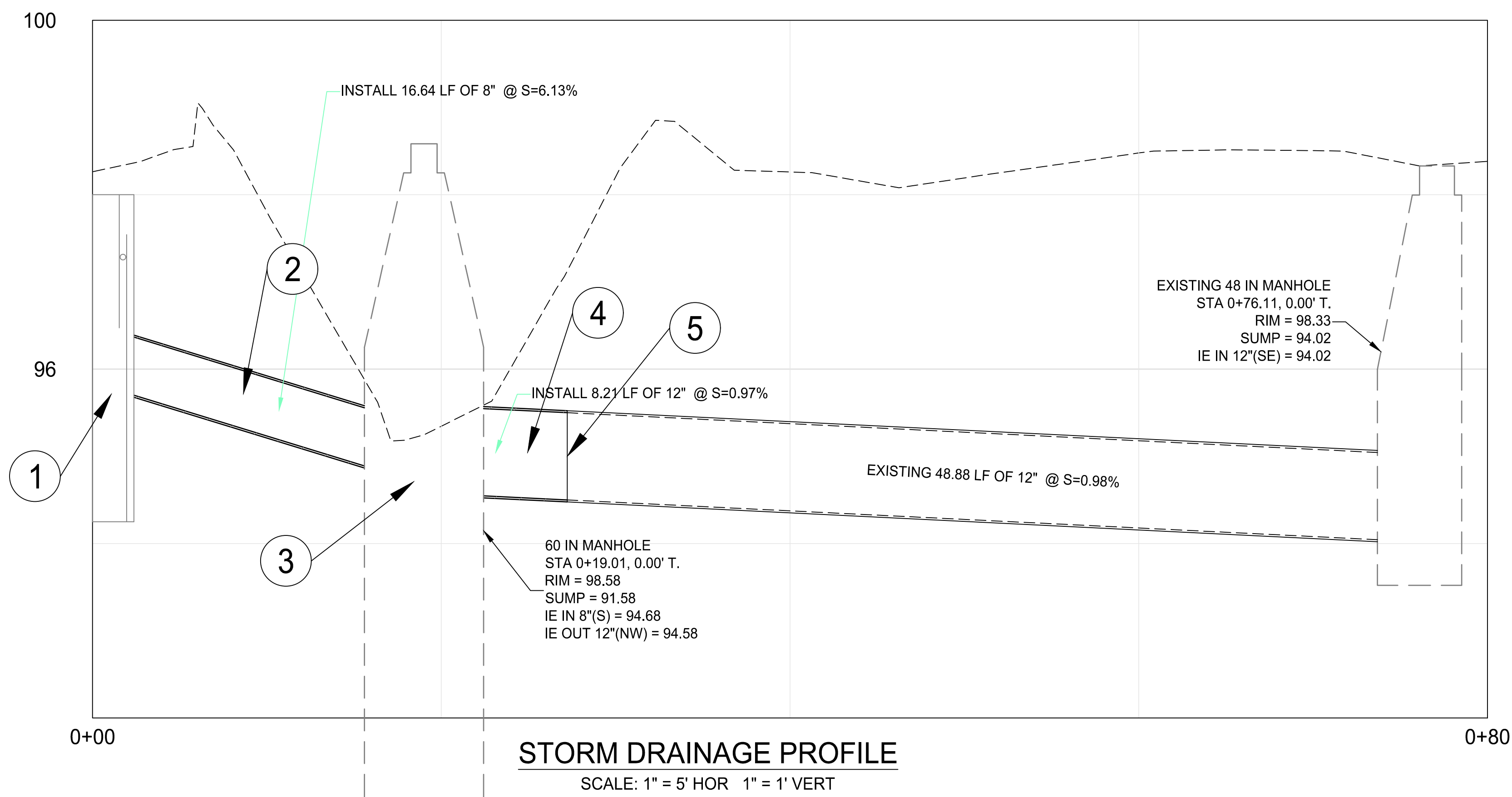




**STORM DRAINAGE PLAN**  
SCALE: 1" = 5'

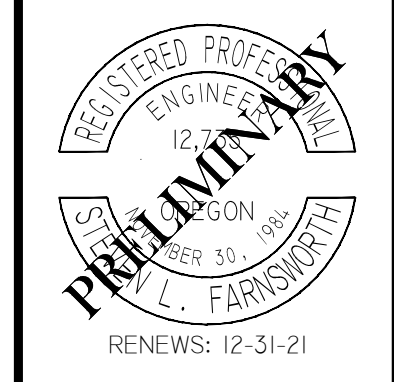
**CONSTRUCTION NOTES:**

- ① STA 0+00 STORM STATIONING, INSTALL 1 CARTRIDGE CATCH BASIN CB-1 AS PER THE DETAILS ON SHEET C-9  
IE GRATE = 98.00'  
IE OUT 8" (N) = 95.70'
- ② INSTALL 16.64 LF OF 8" C-900 PIPE @ S = 0.0613
- ③ STA 0+19.01 STORM STATIONING, REINSTALL EXISTING 60" WC MANHOLE. ADJUST TO FINISH GRADE  
RIM = XXX  
IE IN 8" (S) = 94.68'  
IE OUT 12" (NW) = 94.58'  
SUMP = 91.58'
- ④ INSTALL 8.21 LF OF 12" C-900 PIPE AT S = 0.0097 FIELD VERIFY IE OF EXISTING 12" PIPE
- ⑤ CONNECT NEW 12" PIPE TO EXISTING 12" C-900 PIPE
- ⑥ EXISTING 48" MANHOLE  
RIM = 98.33'  
IE IN 12" (SE) = 94.02'



**STORM DRAINAGE PROFILE**  
SCALE: 1" = 5' HOR 1" = 1' VERT

REVISION INFORMATION	
DATE	08/31/17
AGENCY	WASH CO
SUBMITTAL	
1ST SUBMITTAL	



**Roadway Engineering, Inc.**  
SPECIALIZING IN CIVIL ENGINEERING  
20015 SW TILLAMOOK CT, TUALATIN, OR 97062  
PHONE: (503) 287-8433 FAX: (503) 486-5229  
Licensed in California, Oregon & Washington

ZIGGY'S COFFEE STAND  
MODIFICATIONS TO DRIVE UP

21003 SW BORCHERS ROAD  
CITY OF SHERWOOD, OREGON

**STORM DRAINAGE PLAN & PROFILE**

DATE:	9/31/17
DESIGN:	SLF
DRAWN:	RFD
CHECK:	SLF
SCALE:	1" = 10' HORIZ

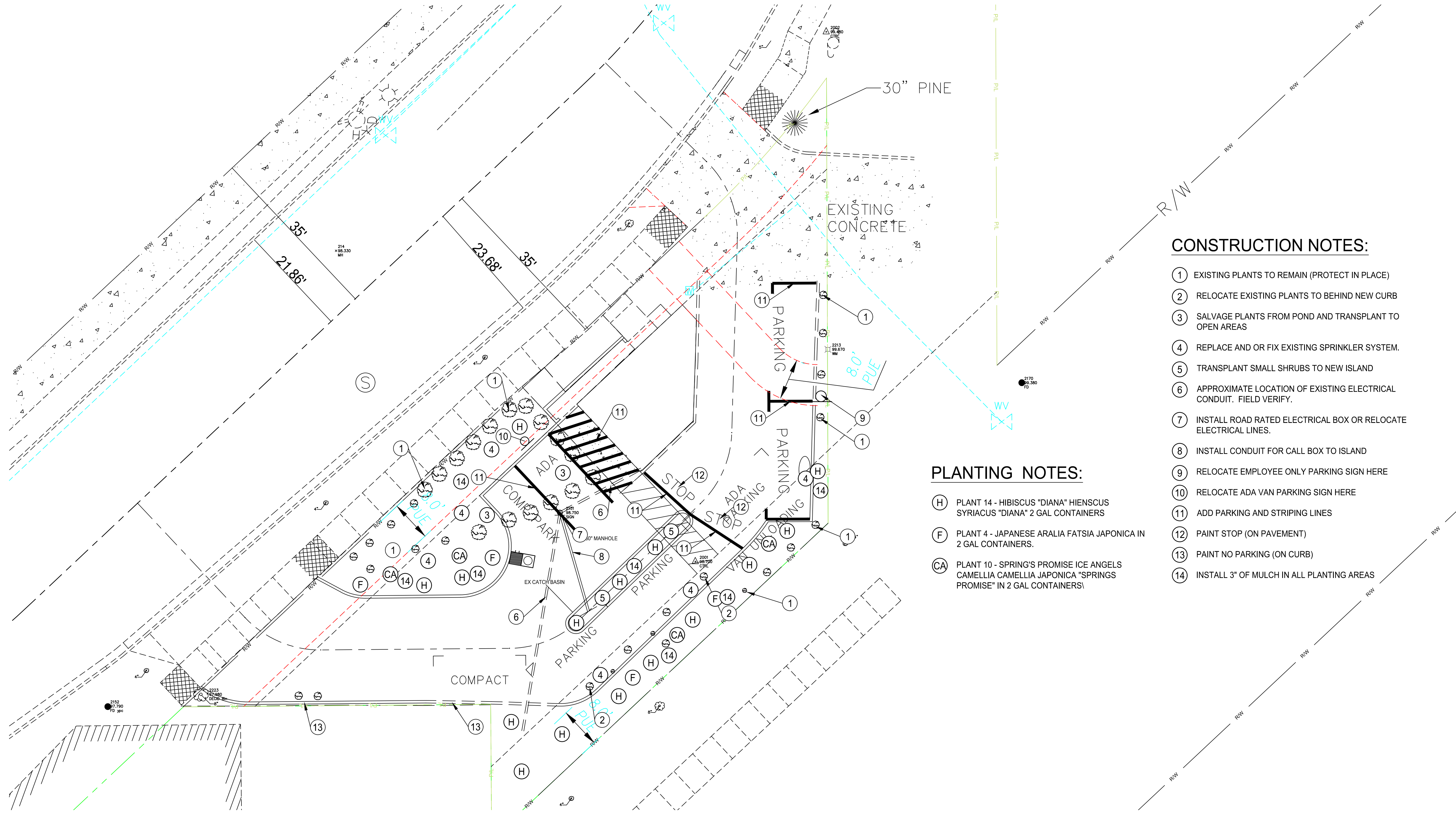
PRELIMINARY

**C-6**

C:\\_Roadway\Hubbard Coffee Stand\Bases File\COFFEE BASE.dwg Nov 09, 2020 - 1:26pm



SCALE 10 0 10  
IN FEET



**CONSTRUCTION NOTES:**

- ① EXISTING PLANTS TO REMAIN (PROTECT IN PLACE)
- ② RELOCATE EXISTING PLANTS TO BEHIND NEW CURB
- ③ SALVAGE PLANTS FROM POND AND TRANSPLANT TO OPEN AREAS
- ④ REPLACE AND OR FIX EXISTING SPRINKLER SYSTEM.
- ⑤ TRANSPLANT SMALL SHRUBS TO NEW ISLAND
- ⑥ APPROXIMATE LOCATION OF EXISTING ELECTRICAL CONDUIT. FIELD VERIFY.
- ⑦ INSTALL ROAD RATED ELECTRICAL BOX OR RELOCATE ELECTRICAL LINES.
- ⑧ INSTALL CONDUIT FOR CALL BOX TO ISLAND
- ⑨ RELOCATE EMPLOYEE ONLY PARKING SIGN HERE
- ⑩ RELOCATE ADA VAN PARKING SIGN HERE
- ⑪ ADD PARKING AND STRIPING LINES
- ⑫ PAINT STOP (ON PAVEMENT)
- ⑬ PAINT NO PARKING (ON CURB)
- ⑭ INSTALL 3" OF MULCH IN ALL PLANTING AREAS

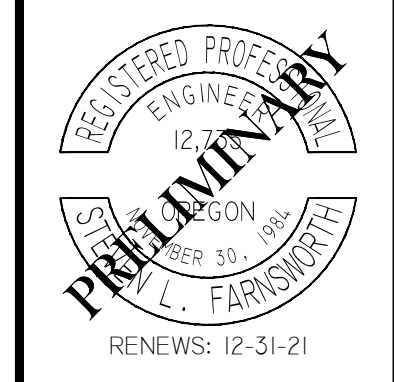
**PLANTING NOTES:**

- (H) PLANT 14 - HIBISCUS "DIANA" HIENSCUS SYRIACUS "DIANA" 2 GAL CONTAINERS
- (F) PLANT 4 - JAPANESE ARALIA FATSIA JAPONICA IN 2 GAL CONTAINERS.
- (CA) PLANT 10 - SPRING'S PROMISE ICE ANGELS CAMELLIA CAMELLIA JAPONICA "SPRINGS PROMISE" IN 2 GAL CONTAINERS!

**LANDSCAPE, IRRIGATION & SIGNING AND STRIPING PLAN**

SCALE: 1" = 10'

REVISION INFORMATION	
AGENCY	CITY OF SHERWOOD
DATE	11/17/2020
SUBMITTAL	1ST SUBMITTAL



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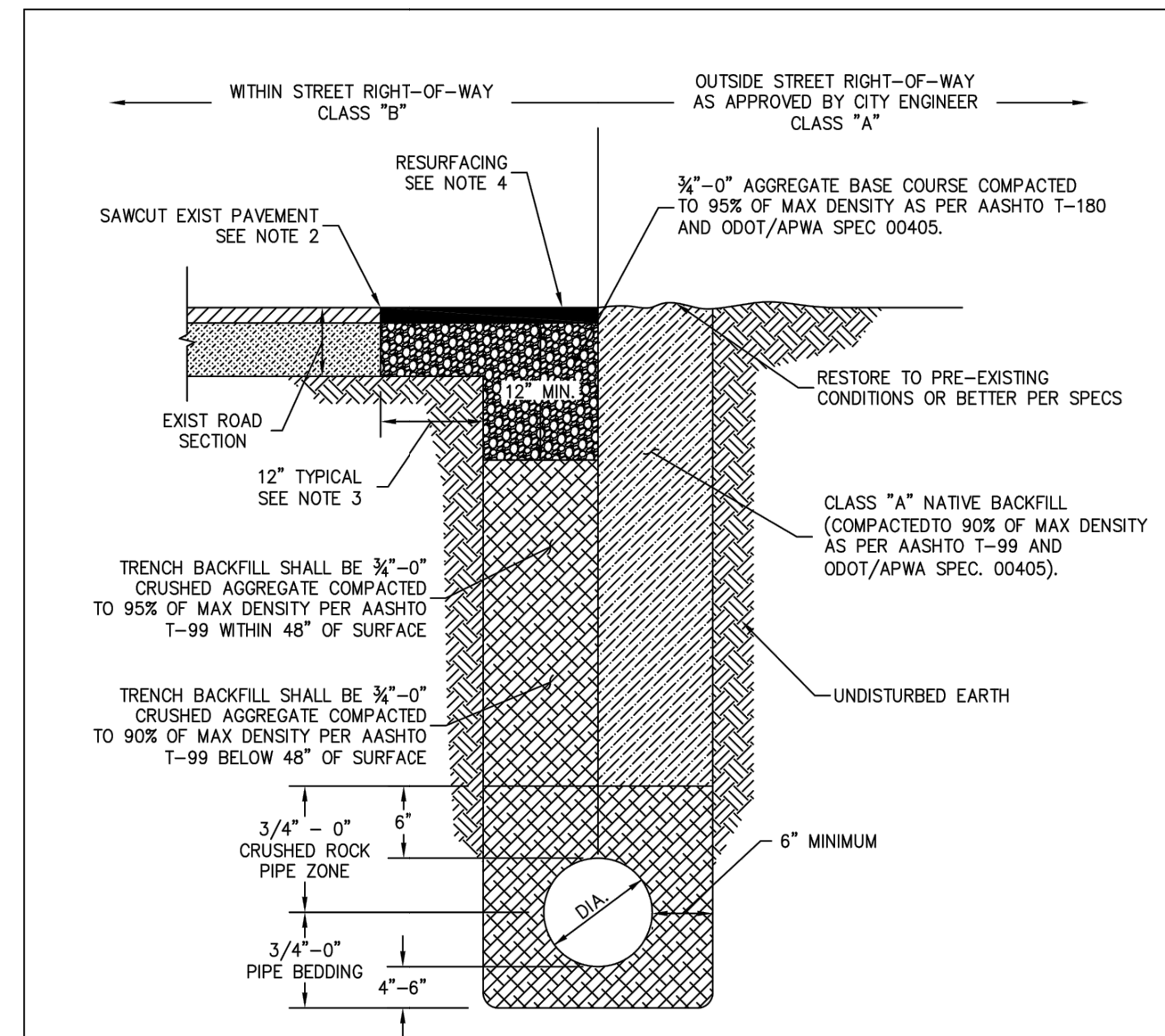
**ZIGGY'S COFFEE STAND  
 MODIFICATIONS TO DRIVE UP  
 LANDSCAPE IRRIGATION & SIGNING PLAN**

DATE:	9/31/17
DESIGN:	SLF
DRAWN:	RFD
CHECK:	SLF
SCALE:	1" = 10' HORIZ

PRELIMINARY

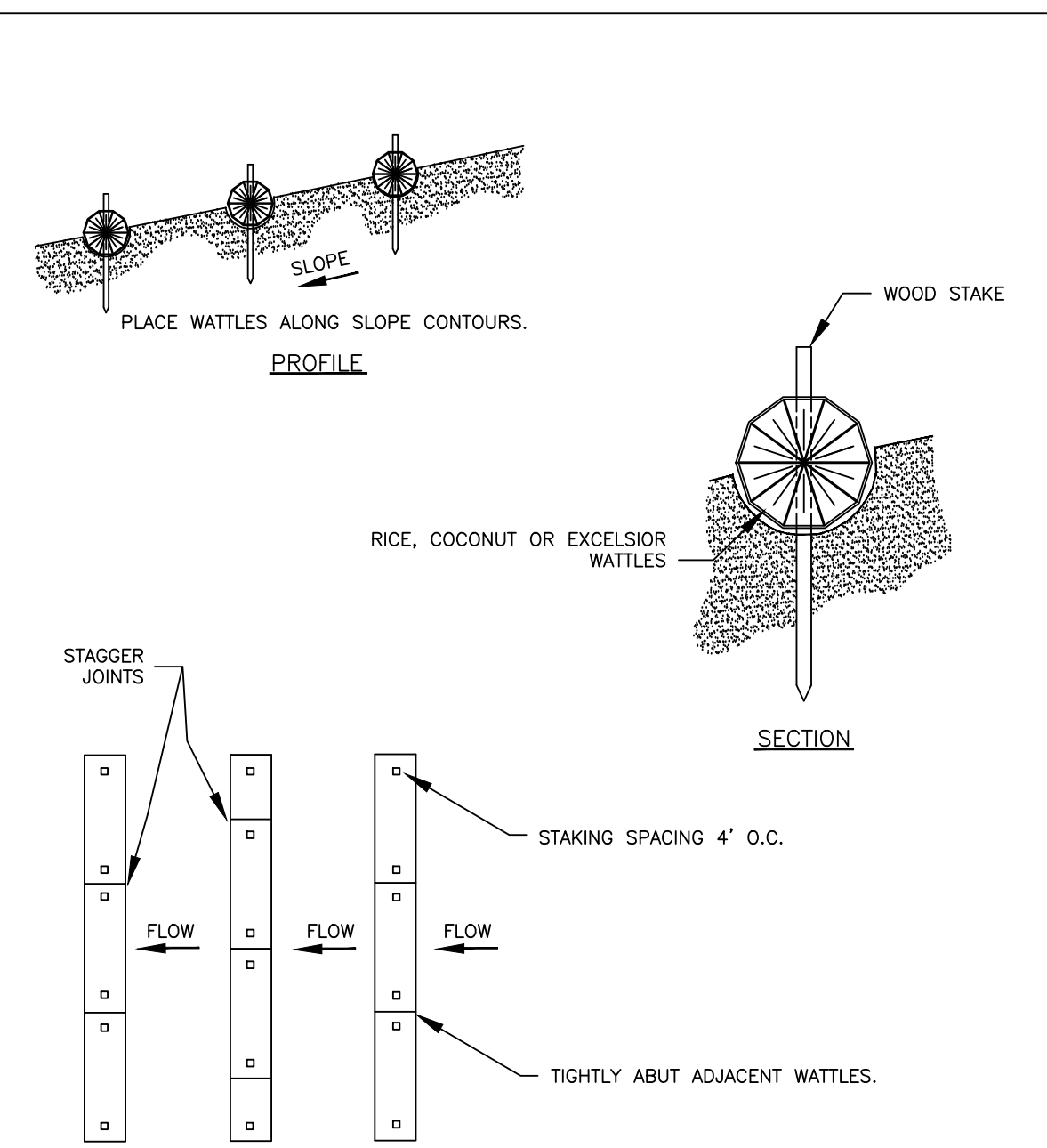
**C-7**





- NOTES:
- THESE TRENCH BACKFILL REQUIREMENTS APPLY TO ALL PUBLIC UTILITY PIPES. FOR ADDITIONAL REQUIREMENTS, SEE CITY STANDARD DESIGN MANUAL SECTION 210.19.
  - SAWCUT EXISTING HMA PAVEMENT FULL DEPTH. SAWCUT EXISTING PCC PAVEMENT ACCORDING TO CITY STANDARD DETAILS.
  - 12" TYPICAL FOR TRENCHES WIDER THAN 12". 6" FOR TRENCHES LESS THAN 12".
  - MATCH EXISTING PAVEMENT MATERIAL(S). THICKNESS SHALL BE AS FOLLOWS:
    - FOR EXISTING HMA: RESURFACE TO A MINIMUM OF 3" OF LEVEL 2, 1/2" DENSE HMA OR EXISTING AC THICKNESS PLUS 2", WHICHEVER IS GREATER, BUT DO NOT EXCEED 6". COMPACT AC IN 2" MAX LIFTS TO 92% OF MAXIMUM DENSITY (RICE).
    - FOR EXISTING PCC: EXISTING PAVEMENT THICKNESS PLUS 2", BUT NOT LESS THAN 8". ON ARTERIAL AND COLLECTOR STREETS, CONCRETE PATCHING MATERIAL SHALL BE HIGH EARLY STRENGTH CLASS 5000 PSI PCC APPROVED BY CITY ENGINEER.
  - ALL CUT EDGES OF AC SHALL BE SAND SEALED WITH CRS-1 OR CRS-2 EMULSIFIED ASPHALT OR EQUIVALENT.

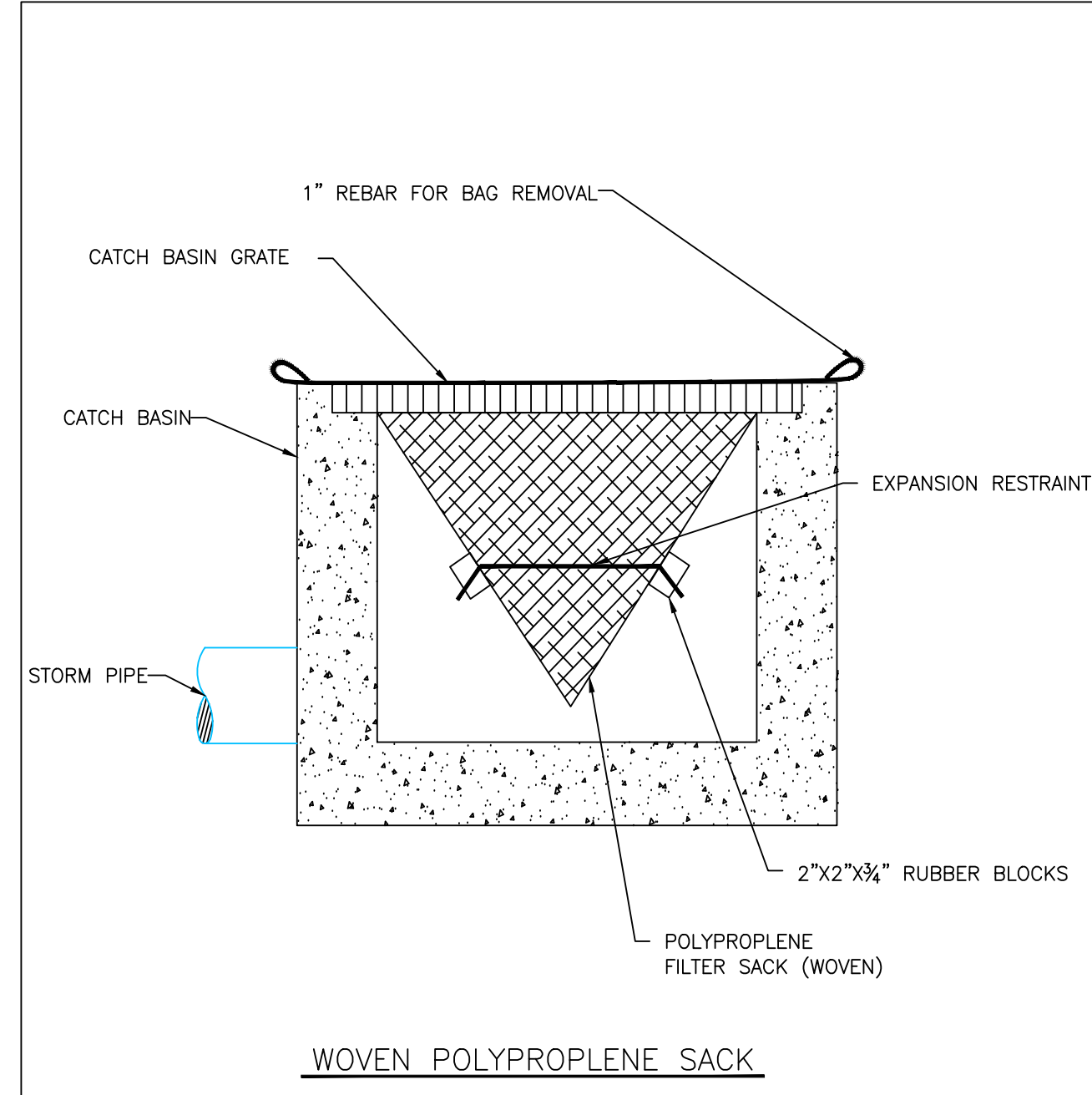
STANDARD DRAWING TITLE	DRAWING NUMBER
PIPE TRENCH BACKFILL	RD-47
SCALE	DATE
N.T.S.	MAR '16



- NOTES:
- STAKING SPECIFICATIONS:
    - 1"x2" WOODEN STAKES
    - ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPE OR HIGHLY ERODIBLE SOILS.
  - SPACING IN ACCORDANCE WITH DETAIL 940.

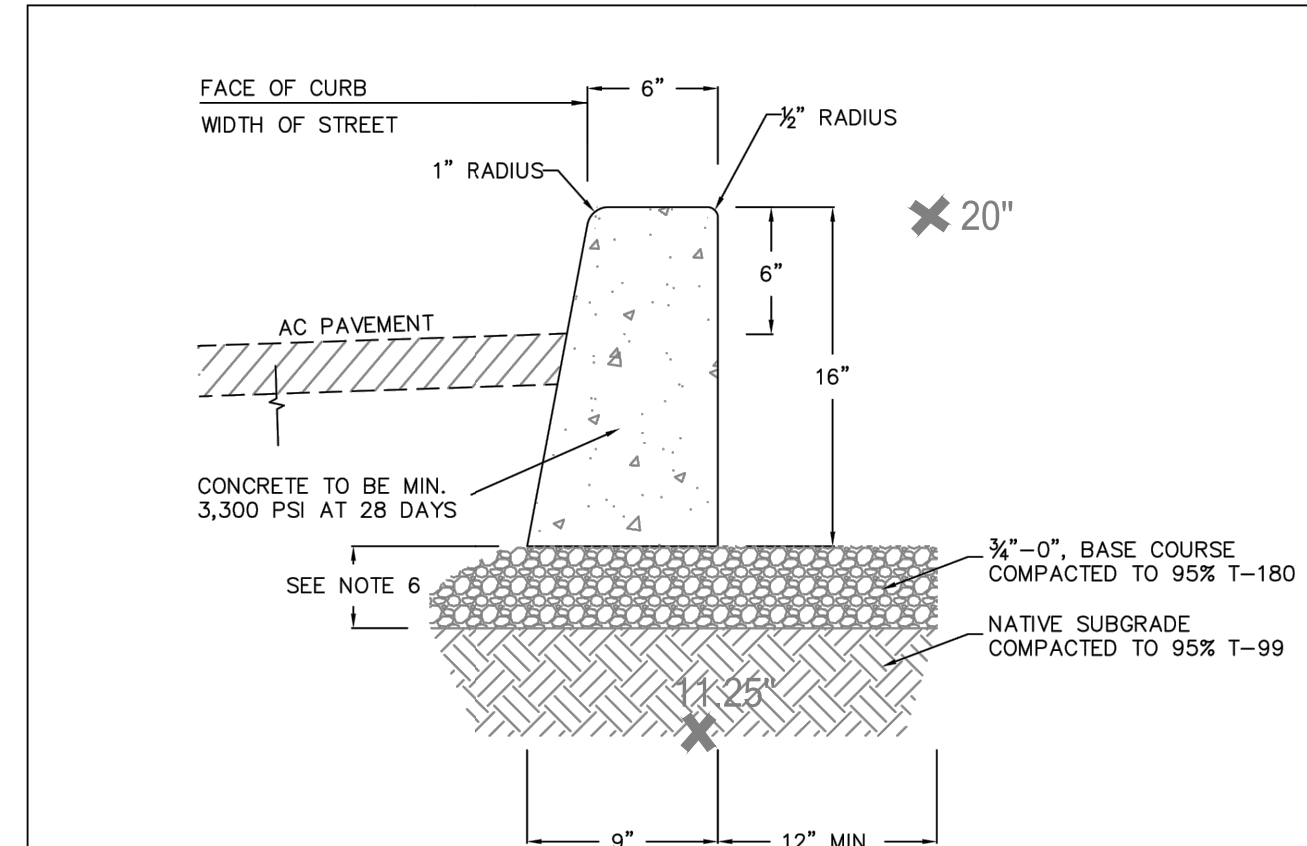
FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

STANDARD DRAWING TITLE	DRAWING NUMBER
WATTLES	RD-47
SCALE	DATE
N.T.S.	MAR '16



- NOTE:
- RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACKS TO BE DETERMINED BY MANUFACTURER.

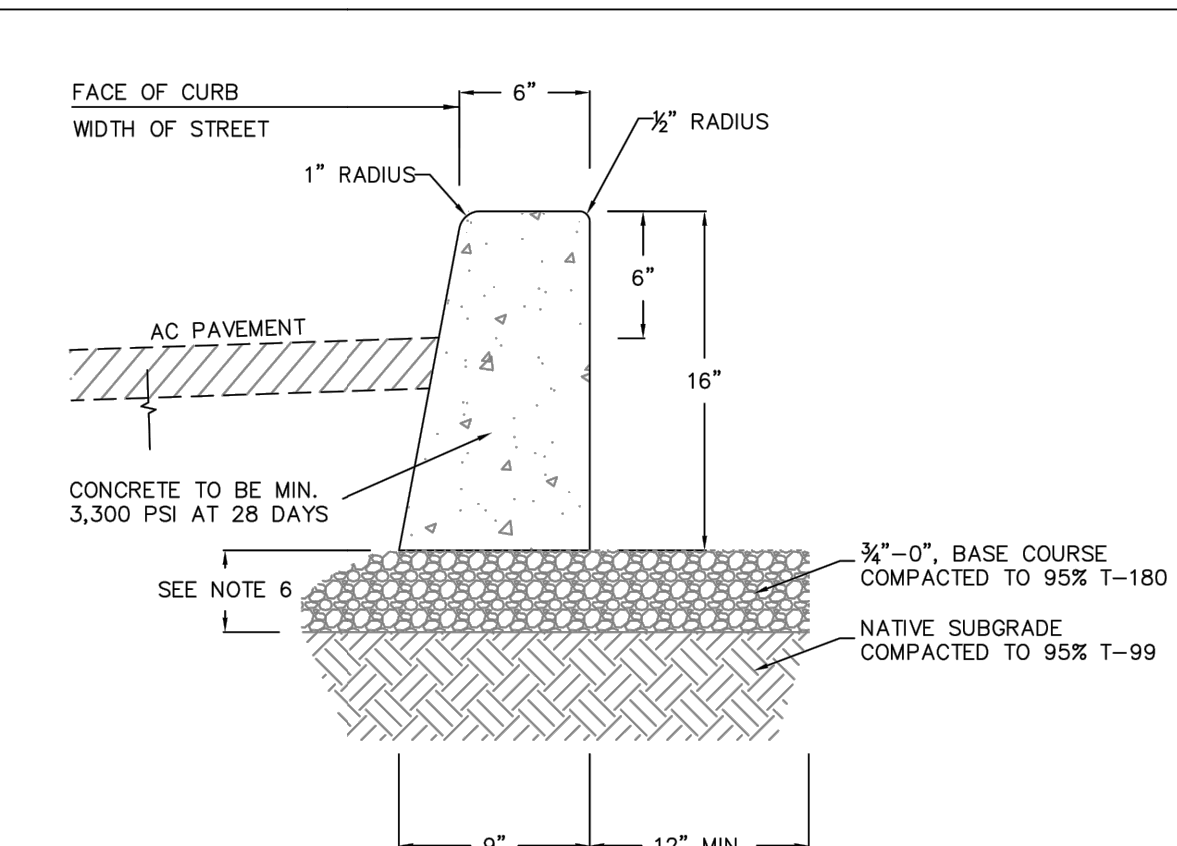
STANDARD DRAWING TITLE	DRAWING NUMBER
INLET PROTECTION TYPE 5	RD-47
SCALE	DATE
N.T.S.	MAR '16



- NOTES:
- VERTICAL CURB TO BE USED AT MEDIANS AND MEDIAN PLANTING STRIPS, OR IN REPLACEMENT OF DAMAGED EXISTING VERTICAL CURBS.
  - CONCRETE SHALL BE COMMERCIAL MIX. MIN. COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS.
  - EXPANSION JOINTS TO BE PROVIDED: AT POINT OF TANGENCY OF THE CURB, AT EACH COLD JOINT, AT THE SIDE OF INLET STRUCTURES, AT THE ENDS OF DRIVEWAYS AND AT LOCATIONS NECESSARY TO LIMIT SPACING TO 45 FEET.
  - MATERIAL TO BE PRE-MOLDED, ASPHALT IMPREGNATED, NON-EXTRUDING, WITH A THICKNESS OF 1/2 INCH.
  - CONTRACTION JOINTS SHALL NOT BE SPACED MORE THAN 15 FEET AND SHALL BE 1/2" IN DEPTH.
  - BASE ROCK: 3/4"-0", COMPACTED TO 95% MAX DENSITY. BASE ROCK SHALL BE TO SUBGRADE OF STREET STRUCTURE OR 6" IN DEPTH, WHICHEVER IS GREATER.

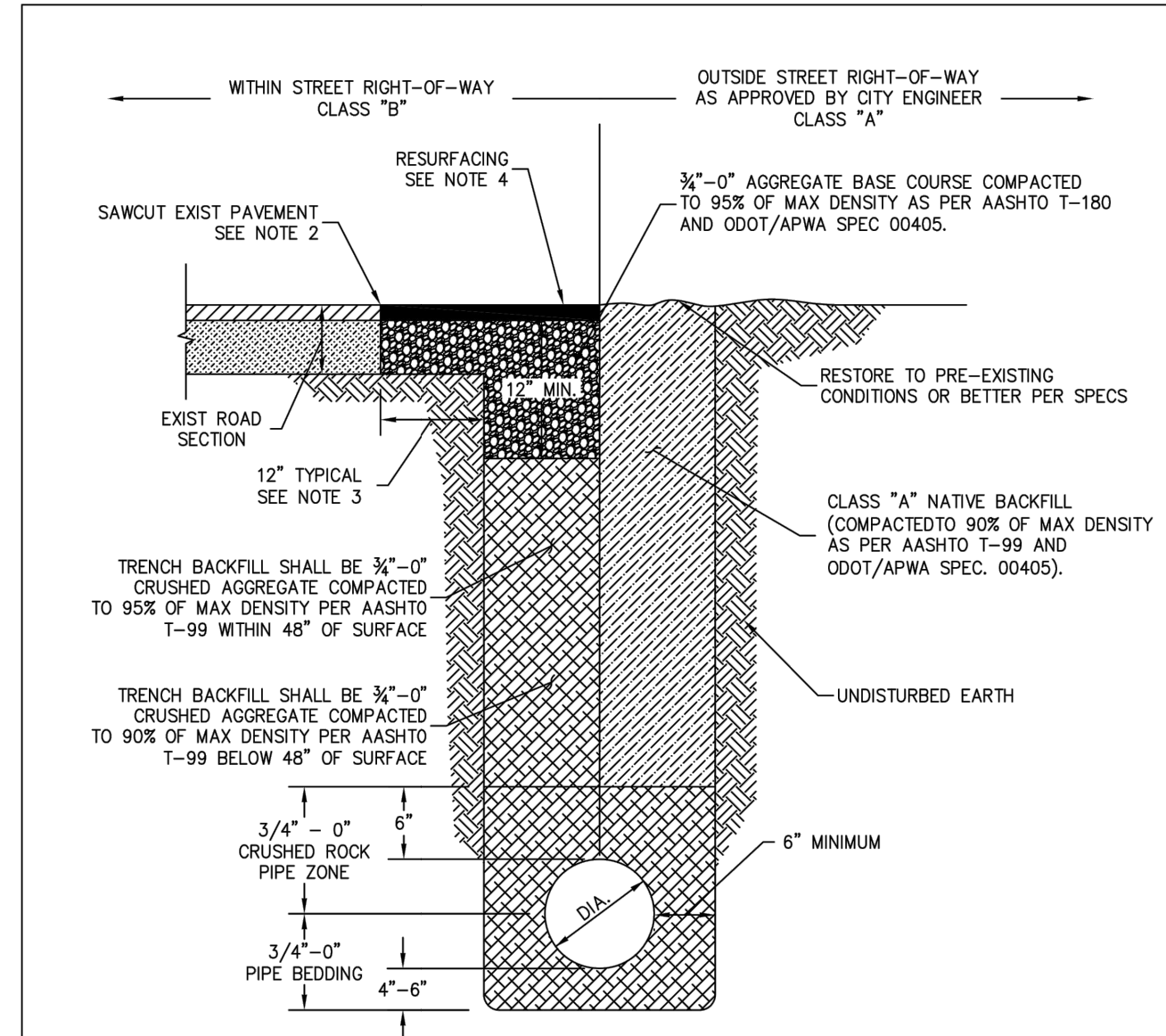
MODIFIED 28" TALL CURB TO COMPLY WITH ALL OTHER REQUIREMENTS OF DETAIL RD-21

STANDARD DRAWING TITLE	DRAWING NUMBER
VERTICAL CURB	RD-21
SCALE	DATE
N.T.S.	MAR '16



- NOTES:
- VERTICAL CURB TO BE USED AT MEDIANS AND MEDIAN PLANTING STRIPS, OR IN REPLACEMENT OF DAMAGED EXISTING VERTICAL CURBS.
  - CONCRETE SHALL BE COMMERCIAL MIX. MIN. COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS.
  - EXPANSION JOINTS TO BE PROVIDED: AT POINT OF TANGENCY OF THE CURB, AT EACH COLD JOINT, AT THE SIDE OF INLET STRUCTURES, AT THE ENDS OF DRIVEWAYS AND AT LOCATIONS NECESSARY TO LIMIT SPACING TO 45 FEET.
  - MATERIAL TO BE PRE-MOLDED, ASPHALT IMPREGNATED, NON-EXTRUDING, WITH A THICKNESS OF 1/2 INCH.
  - CONTRACTION JOINTS SHALL NOT BE SPACED MORE THAN 15 FEET AND SHALL BE 1/2" IN DEPTH.
  - BASE ROCK: 3/4"-0", COMPACTED TO 95% MAX DENSITY. BASE ROCK SHALL BE TO SUBGRADE OF STREET STRUCTURE OR 6" IN DEPTH, WHICHEVER IS GREATER.

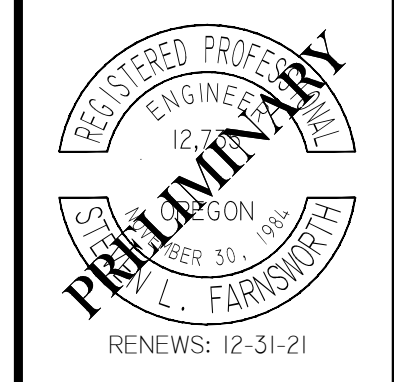
STANDARD DRAWING TITLE	DRAWING NUMBER
VERTICAL CURB	RD-21
SCALE	DATE
N.T.S.	MAR '16



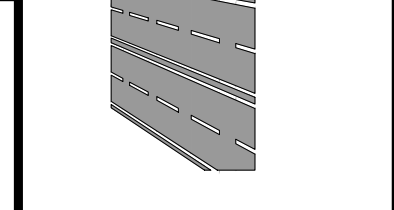
- NOTES:
- THESE TRENCH BACKFILL REQUIREMENTS APPLY TO ALL PUBLIC UTILITY PIPES. FOR ADDITIONAL REQUIREMENTS, SEE CITY STANDARD DESIGN MANUAL SECTION 210.19.
  - SAWCUT EXISTING HMA PAVEMENT FULL DEPTH. SAWCUT EXISTING PCC PAVEMENT ACCORDING TO CITY STANDARD DETAILS.
  - 12" TYPICAL FOR TRENCHES WIDER THAN 12". 6" FOR TRENCHES LESS THAN 12".
  - MATCH EXISTING PAVEMENT MATERIAL(S). THICKNESS SHALL BE AS FOLLOWS:
    - FOR EXISTING HMA: RESURFACE TO A MINIMUM OF 3" OF LEVEL 2, 1/2" DENSE HMA OR EXISTING AC THICKNESS PLUS 2", WHICHEVER IS GREATER, BUT DO NOT EXCEED 6". COMPACT AC IN 2" MAX LIFTS TO 92% OF MAXIMUM DENSITY (RICE).
    - FOR EXISTING PCC: EXISTING PAVEMENT THICKNESS PLUS 2", BUT NOT LESS THAN 8". ON ARTERIAL AND COLLECTOR STREETS, CONCRETE PATCHING MATERIAL SHALL BE HIGH EARLY STRENGTH CLASS 5000 PSI PCC APPROVED BY CITY ENGINEER.
  - ALL CUT EDGES OF AC SHALL BE SAND SEALED WITH CRS-1 OR CRS-2 EMULSIFIED ASPHALT OR EQUIVALENT.

STANDARD DRAWING TITLE	DRAWING NUMBER
PIPE TRENCH BACKFILL	RD-47
SCALE	DATE
N.T.S.	MAR '16

REVISION INFORMATION	AGENCY	DATE
SUBMITTAL	CITY OF SHERWOOD	11/17/2020
1ST SUBMITTAL	CITY OF SHERWOOD	12/17/2020



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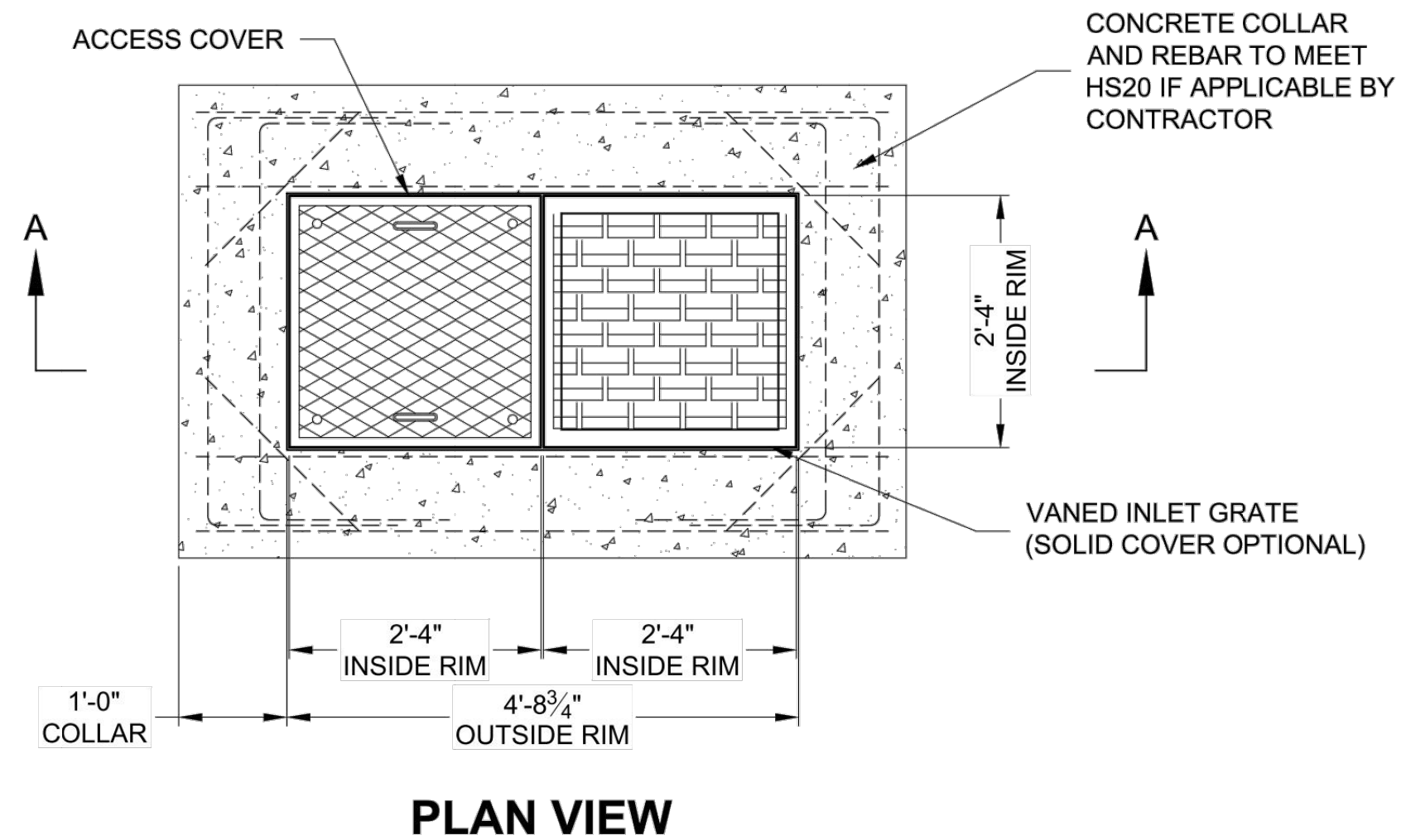
ZIGGY'S COFFEE STAND  
 MODIFICATIONS TO DRIVE UP  
 21003 SW BORCHERS ROAD  
 CITY OF SHERWOOD, OREGON  
 DETAIL SHEET

DATE:	9/31/17
DESIGN:	SLF
DRAWN:	RFD
CHECK:	SLF
SCALE:	1" = 10' HORIZ

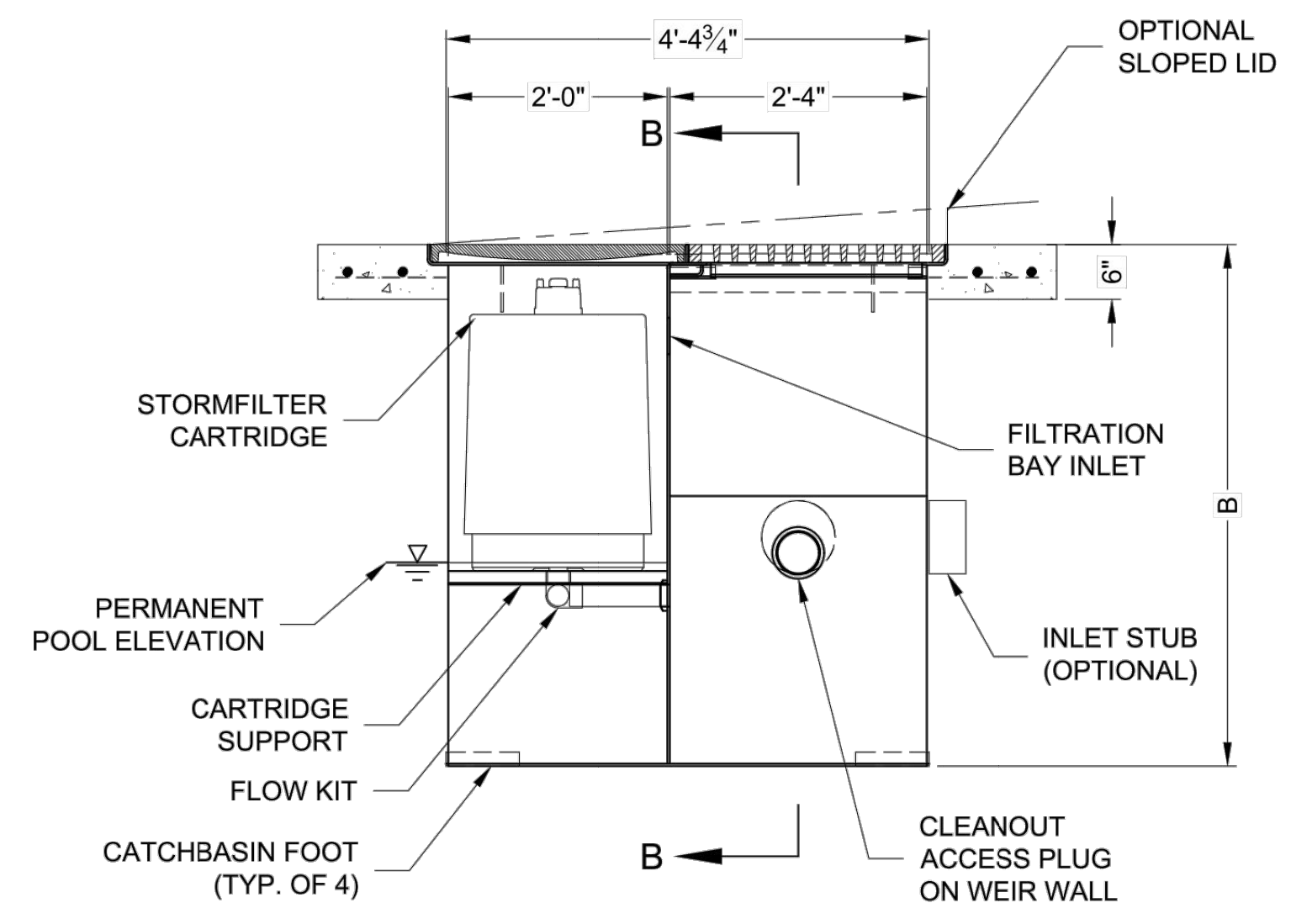
PRELIMINARY

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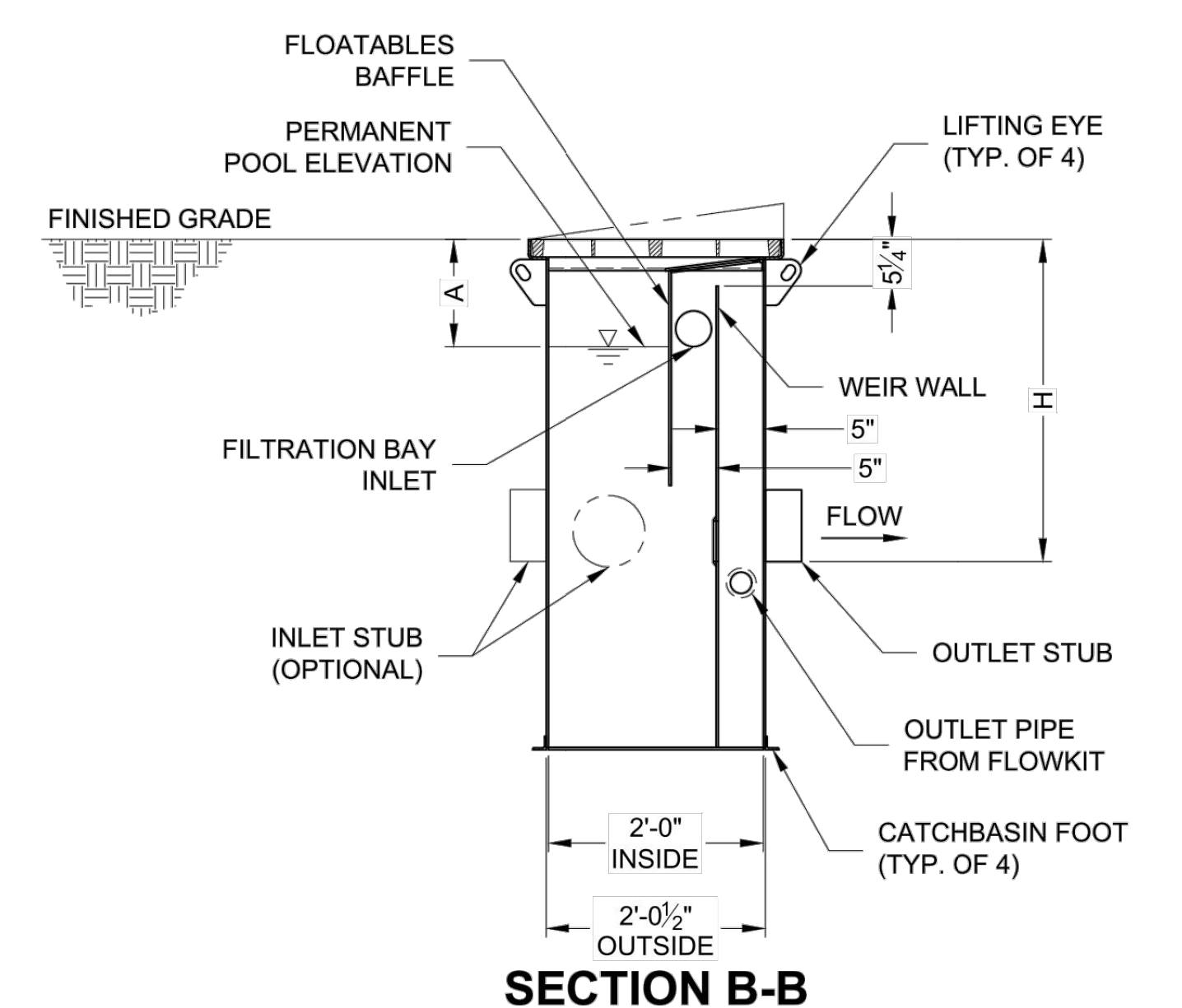




**PLAN VIEW**



**SECTION A-A**



**SECTION B-B**

**STORMFILTER STEEL CATCHBASIN DESIGN NOTES**

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. 1 CARTRIDGE CATCHBASIN HAS A MAXIMUM OF ONE CARTRIDGE. SYSTEM IS SHOWN WITH A 27" CARTRIDGE, AND IS ALSO AVAILABLE WITH AN 18" CARTRIDGE. STORMFILTER CATCHBASIN CONFIGURATIONS ARE AVAILABLE WITH A DRY INLET BAY FOR VECTOR CONTROL. PEAK HYDRAULIC CAPACITY PER TABLE BELOW. IF THE SITE CONDITIONS EXCEED PEAK HYDRAULIC CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION	27"			18"			18" DEEP		
	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf
CARTRIDGE HEIGHT	3.05'			2.3'			3.3'		
RECOMMENDED HYDRAULIC DROP (H)	3.05'			2.3'			3.3'		
SPECIFIC FLOW RATE (gpm/sf)	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf
CARTRIDGE FLOW RATE (gpm)	22.5	18.79	11.25	15	12.53	7.5	15	12.53	7.5
PEAK HYDRAULIC CAPACITY				1.0					
INLET PERMANENT POOL LEVEL (A)				1'-0"					
OVERALL STRUCTURE HEIGHT (B)				3'-9"					

- \* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY
- GENERAL NOTES**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORMFILTER CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
  - STORMFILTER CATCHBASIN WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
  - INLET SHOULD NOT BE LOWER THAN OUTLET. INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR.
  - MANUFACTURER TO APPLY A SURFACE BEAD WELD IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SFCB.
  - STORMFILTER CATCHBASIN EQUIPPED WITH 4 INCH (APPROXIMATE) LONG STUBS FOR INLET (IF APPLICABLE) AND OUTLET PIPING. STANDARD OUTLET STUB IS 8 INCHES IN DIAMETER. MAXIMUM OUTLET STUB IS 15 INCHES IN DIAMETER. CONNECTION TO COLLECTION PIPING CAN BE MADE USING FLEXIBLE COUPLING BY CONTRACTOR.
  - STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO M306 LOAD RATING. TO MEET HS20 LOAD RATING ON STRUCTURE, A CONCRETE COLLAR IS REQUIRED. WHEN REQUIRED, CONCRETE COLLAR WITH #4 REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.
  - FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
  - SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).

- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCHBASIN (LIFTING CLUTCHES PROVIDED).
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

1-CARTRIDGE CATCHBASIN STORMFILTER DATA	
STRUCTURE ID	CB-1
WATER QUALITY FLOW RATE (cfs)	0.011
PEAK FLOW RATE (<1 cfs)	0.11
RETURN PERIOD OF PEAK FLOW (yrs)	10 YR
CARTRIDGE HEIGHT (27", 18", 18" DEEP)	18"
CARTRIDGE FLOW RATE (gpm)	12.53
MEDIA TYPE (PERLITE, ZPG, PSORB)	XXXXX
RIM ELEVATION	98.00'
<b>PIPE DATA:</b>	
INLET STUB	I.E. DIAMETER
OUTLET STUB	95.70' 8"
<b>CONFIGURATION</b>	
INLET	OUTLET
INLET	OUTLET
INLET	OUTLET
INLET	OUTLET
SLOPED LID	
SOLID COVER	YES
NOTES/SPECIAL REQUIREMENTS:	

**1 CARTRIDGE CATCHBASIN STORMFILTER STANDARD DETAIL**

**REVISION INFORMATION**

SUBMITTAL	DATE	AGENCY
1ST SUBMITTAL	08/31/17	WASH CO



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ZIGGY'S COFFEE STAND  
MODIFICATIONS TO DRIVE UP

21003 SW BORCHERS ROAD  
CITY OF SHERWOOD, OREGON

STORM FILTER DETAILS

DATE:	9/31/17
DESIGN:	SFL
DRAWN:	RFD
CHECK:	SFL
SCALE:	1" = 10' HORIZ

PRELIMINARY

C-9

**CONTECH**  
ENGINEERED SOLUTIONS LLC  
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