

LOCATION MAP

N.T.S.

PROJECT TEAM

OWNER'S REPRESENTATIVE

CRAIG SHELTON - PUBLIC WORKS DIRECTOR
CITY OF SHERWOOD
15527 SW WILLAMETTE STREET
SHERWOOD, OR 97140
(503) 925-2310
(503) 625-0679 FAX

LANDSCAPE ARCHITECT

TROY MEARS, RLA
MEARS DESIGN GROUP, LLC
PO BOX 23338
PORTLAND, OR 97281
(503) 601-4516
(503) 924-4688 FAX

SKATE PARK DESIGNER

MARK SCOTT
DREAMLAND SKATEPARKS, LLC
2150 SE HWY 101, PMB 384
LINCOLN CITY, OR 97367-2622
(503) 577-9277

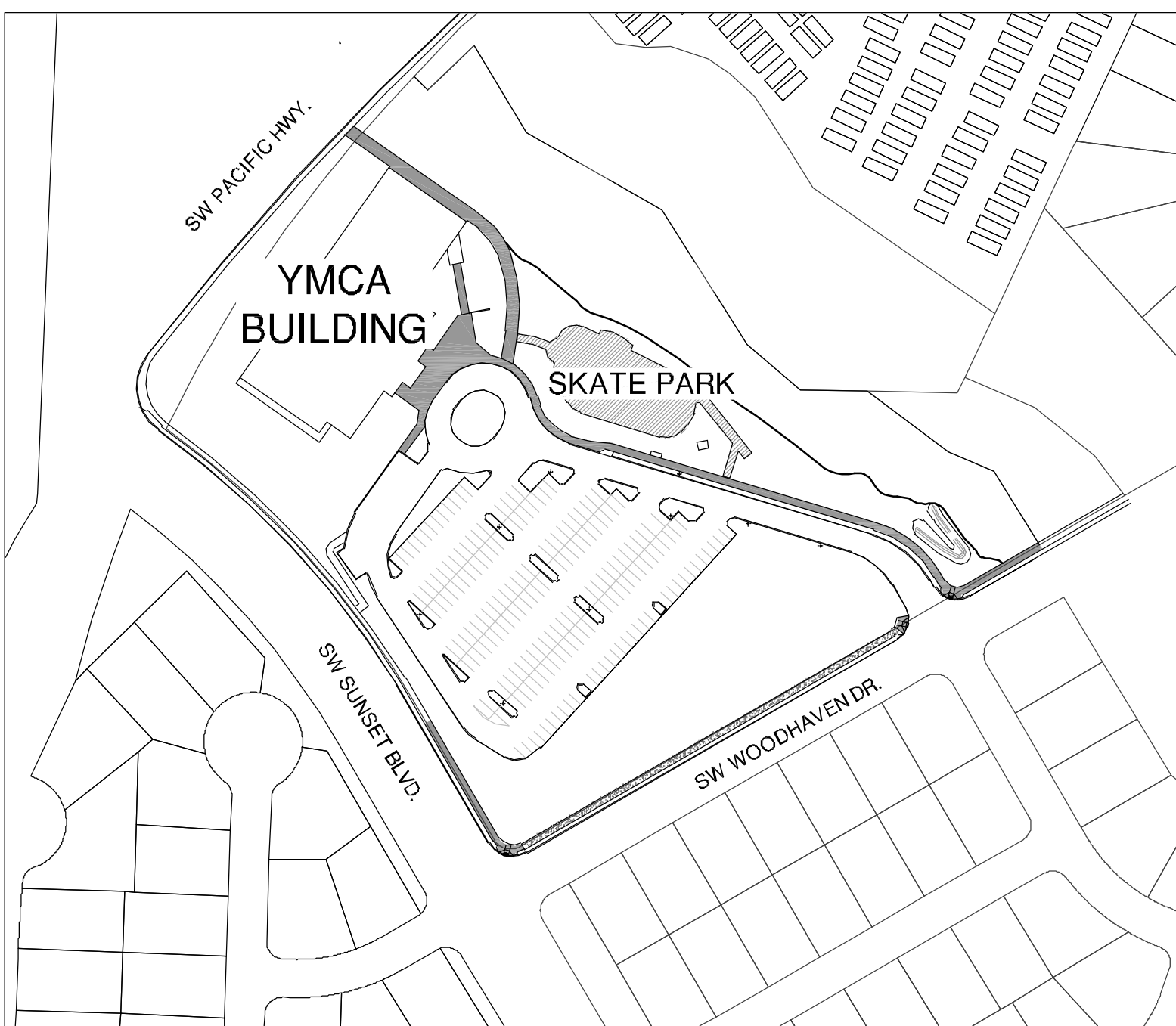
GENERAL NOTES

- ALL CONSTRUCTION SHALL ADHERE TO DRAWINGS AND SPECIFICATIONS.
- VERIFY ALL SITE CONDITIONS BY SITE VISIT PRIOR TO BID SUBMITTAL.
- BLEND CUT AND FILL SLOPES TO CONFORM TO THE ADJACENT NATURAL GROUND.
- DO NOT OBTAIN DIMENSIONS BY SCALING DRAWINGS. USE WRITTEN DIMENSIONS AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
- STAGING AREAS ARE TO BE DETERMINED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
- ALL CONSTRUCTION IS REQUIRED TO BE COMPLETED BETWEEN THE HOURS OF 7:00 AM THRU 5:00 PM; MONDAY THRU FRIDAY. COORDINATE TIME OF CONSTRUCTION WITH OWNER'S REPRESENTATIVE.
- REFER TO PROJECT TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS OR DISCREPANCIES 5 (FIVE) WORKING DAYS PRIOR TO STARTING WORK.
- VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK FOR LOCATIONS CONTACT CITY OF SHERWOOD PUBLIC WORKS DEPARTMENT, (503) 925-2310 AND THE UTILITIES NOTIFICATION CENTER (811) NOT LESS THAN 72 HOURS PRIOR TO BEGINNING WORK.
- ALTERNATE NO. 1: SIDEWALK, CURB RAMPS, STREET TREES, LAWN AND IRRIGATION ALONG SW WOODHAVEN DRIVE. APPROXIMATE SIDEWALK/RAMP AREA: 3,760 SF
- APPROXIMATE SKATEPARK SKATEABLE SURFACE AREA: 13,470 SF
- SPECIALTY SKATEPARK CONTRACTOR IS REQUIRED TO MEET MANDATORY QUALIFICATIONS AS LISTED IN TECHNICAL SPECIFICATION SECTION 01 0000 - GENERAL REQUIREMENTS (PART 1, 1.2).



ATTENTION EXCAVATORS:

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE 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 THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BEFORE COMMENCING ANY EXCAVATION. CALL (503) 246-6699.



AREA OF WORK MAP

N.T.S.

DRAWING INDEX

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NOTE:

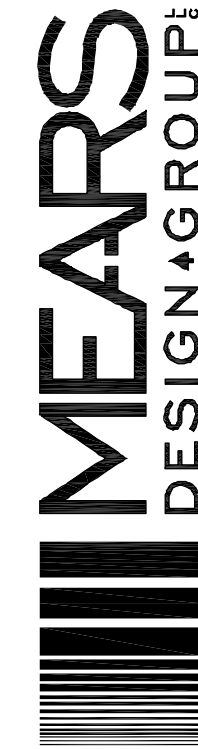
THIS DESIGN COMPLIES WITH ORS 97.044 (7) IN THAT NO UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN ONE (1) FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON A SUBDIVISION OR PARTITION PLAT. NO DESIGN EXCEPTIONS NOR FINAL FIELD LOCATION CHANGES SHALL BE PERMITTED IF THAT CHANGE WOULD CAUSE ANY UTILITY INFRASTRUCTURE TO BE PLACED WITHIN THE PROHIBITED AREA.

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 STANDARD 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 FIELD 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 CIRCUMSTANCES 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 BY 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.



Know what's below.
Call before you dig.



SHERWOOD SKATEPARK
CITY OF SHERWOOD

POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

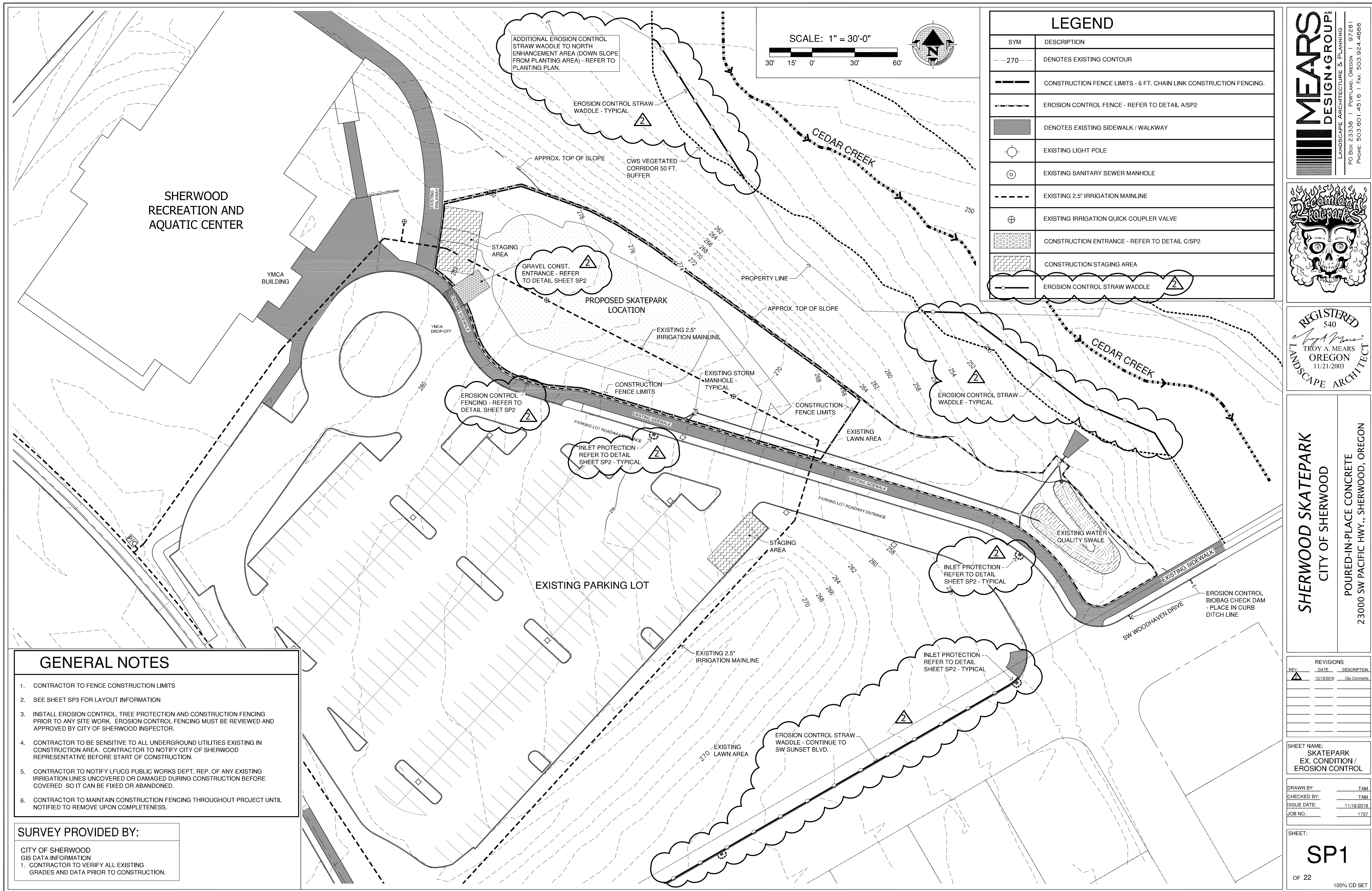
REVISIONS		
REV.	DATE	DESCRIPTION
1	12/19/2019	Addendum No. 2

SHEET NAME:
SKATEPARK
COVER SHEEET

DRAWN BY:	TAM
CHECKED BY:	TAM
ISSUE DATE:	11/16/2019
JOB NO.:	1707

SHEET:

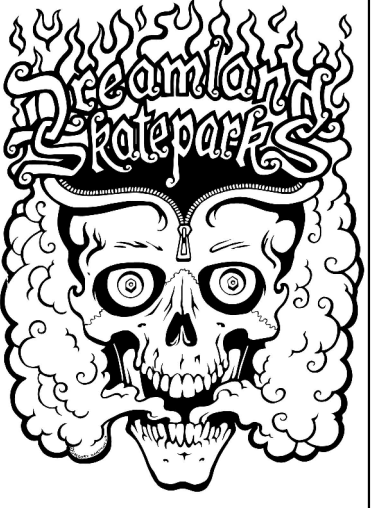
SP0



MEARS
DESIGN+GROUP

LANDSCAPE ARCHITECTURE & PLANNING

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PHONE: 503.601.4516 | FAX: 503.924.4688



REGISTERED
540
Troy A. Mears
TROY A. MEARS
OREGON
11/21/2003
LANDSCAPE ARCHITECT

SHERWOOD SKATEPARK

CITY OF SHERWOOD

POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

[illegible]

SHEET NAME:
SKATEPARK
EX. CONDITION /
EROSION CONTROL

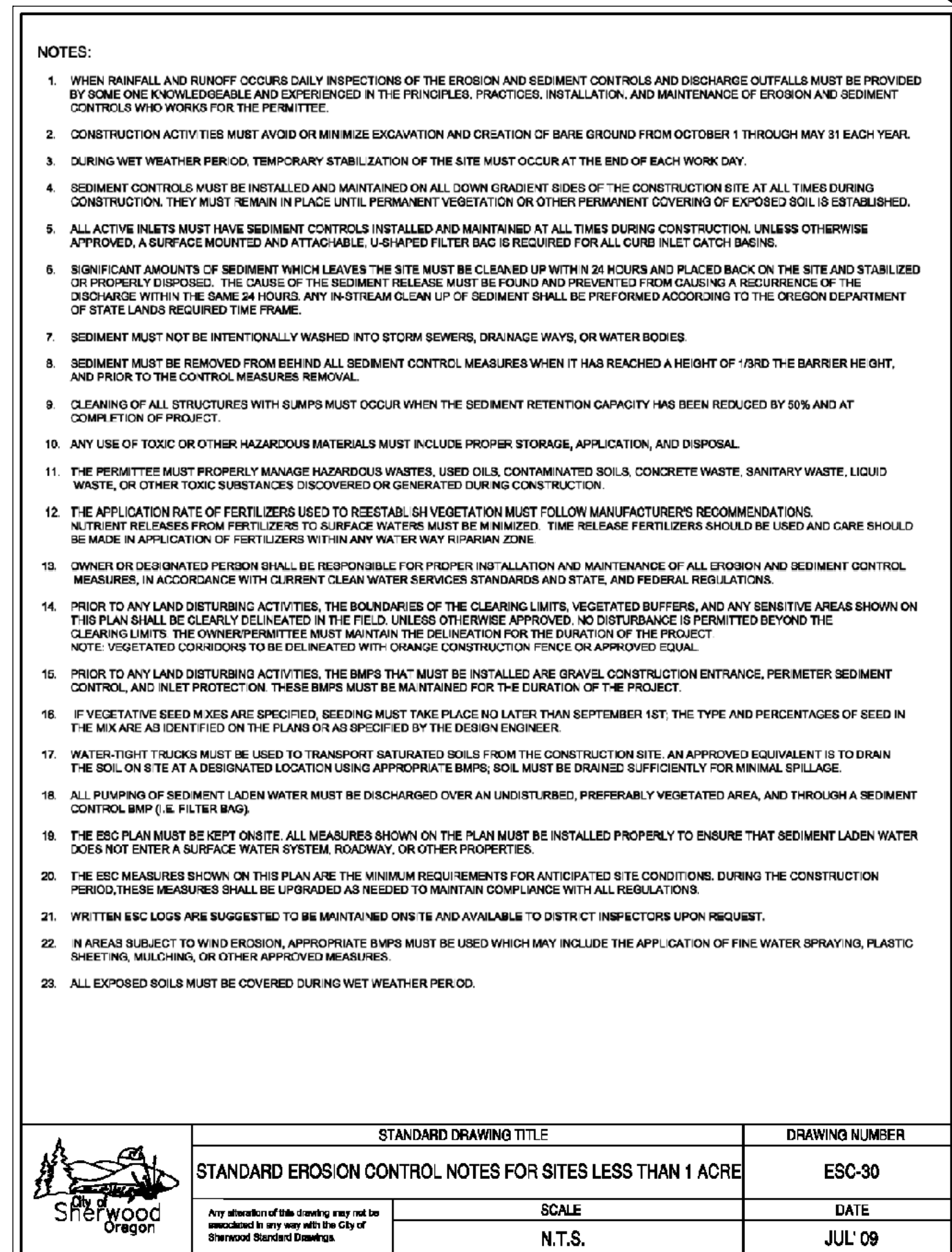
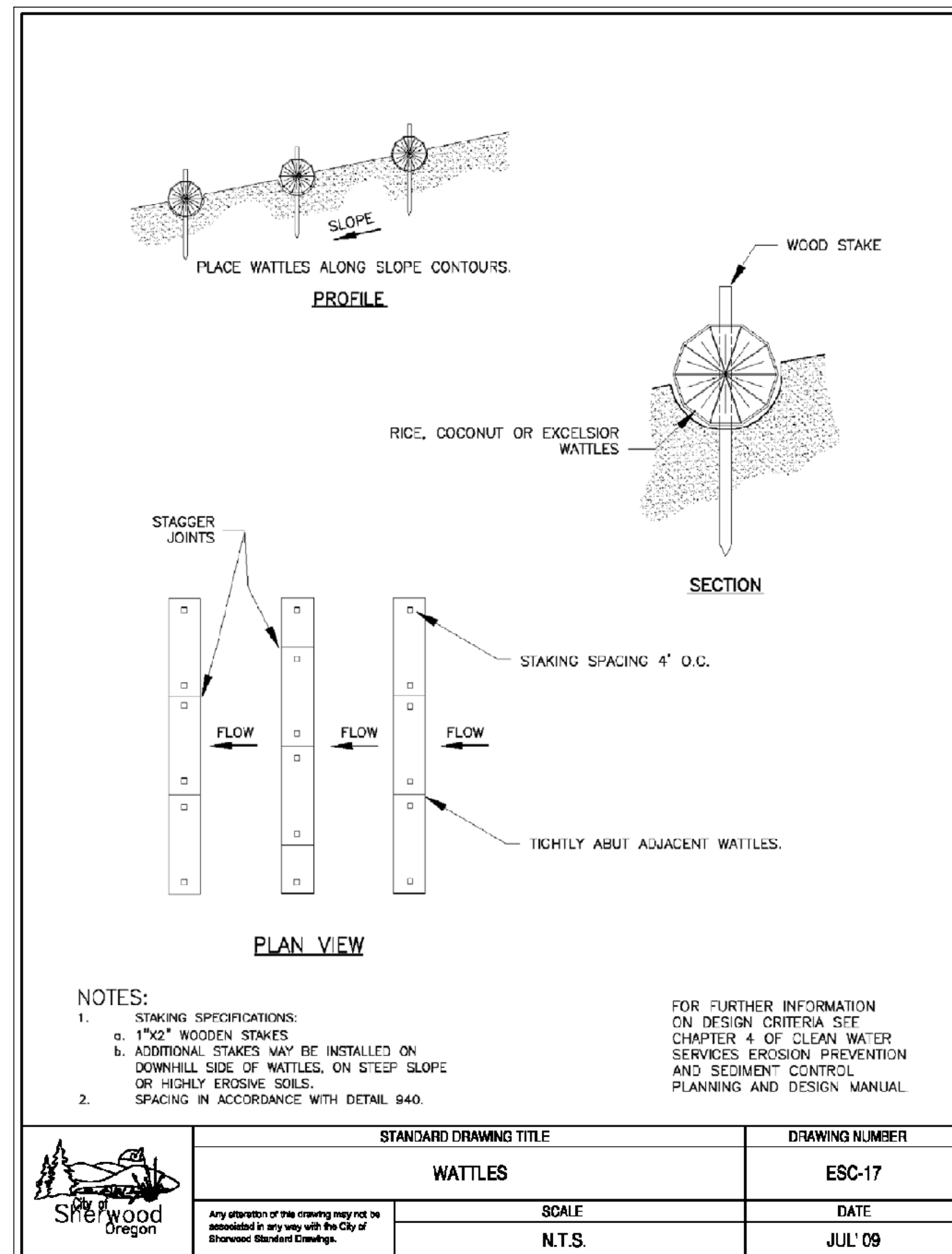
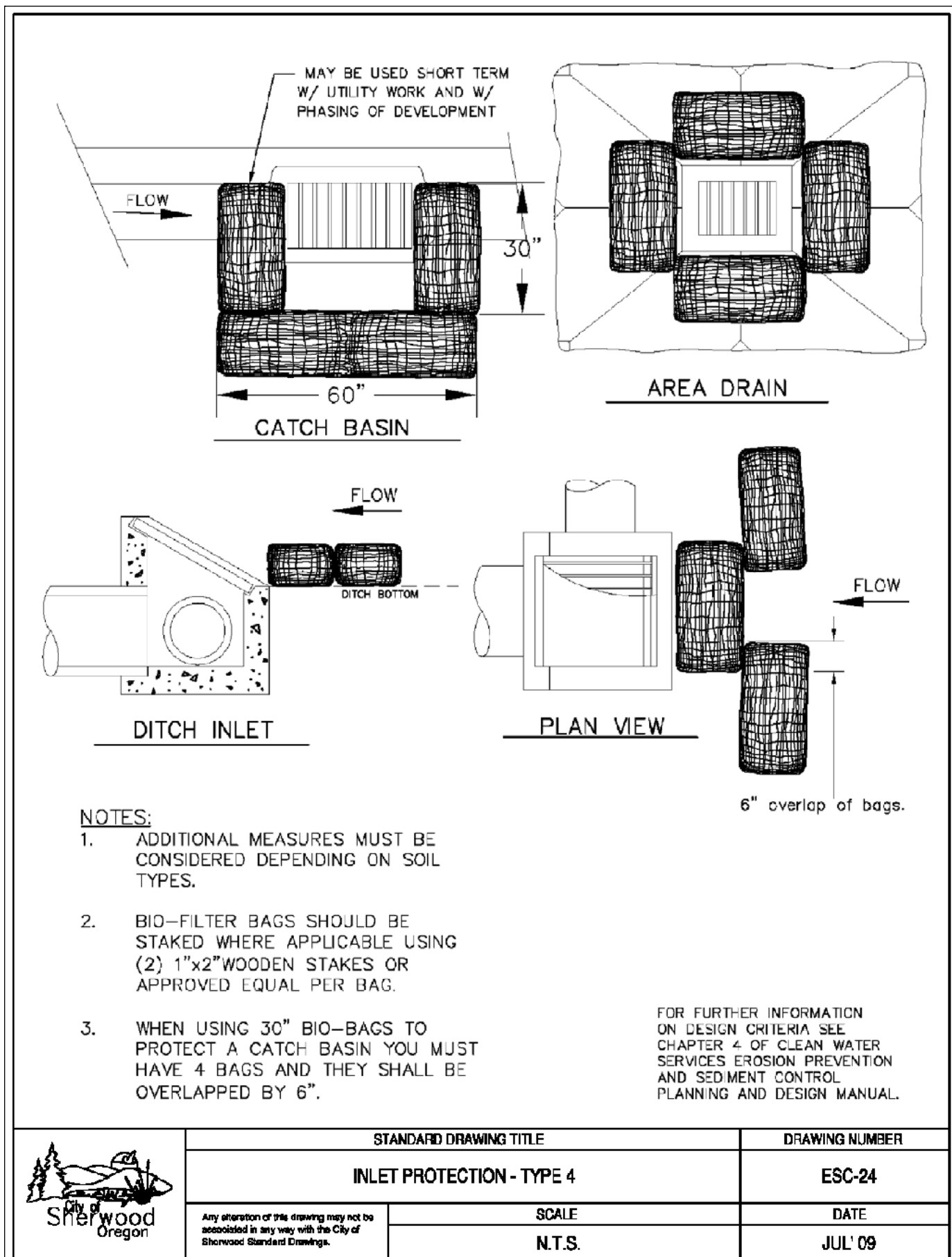
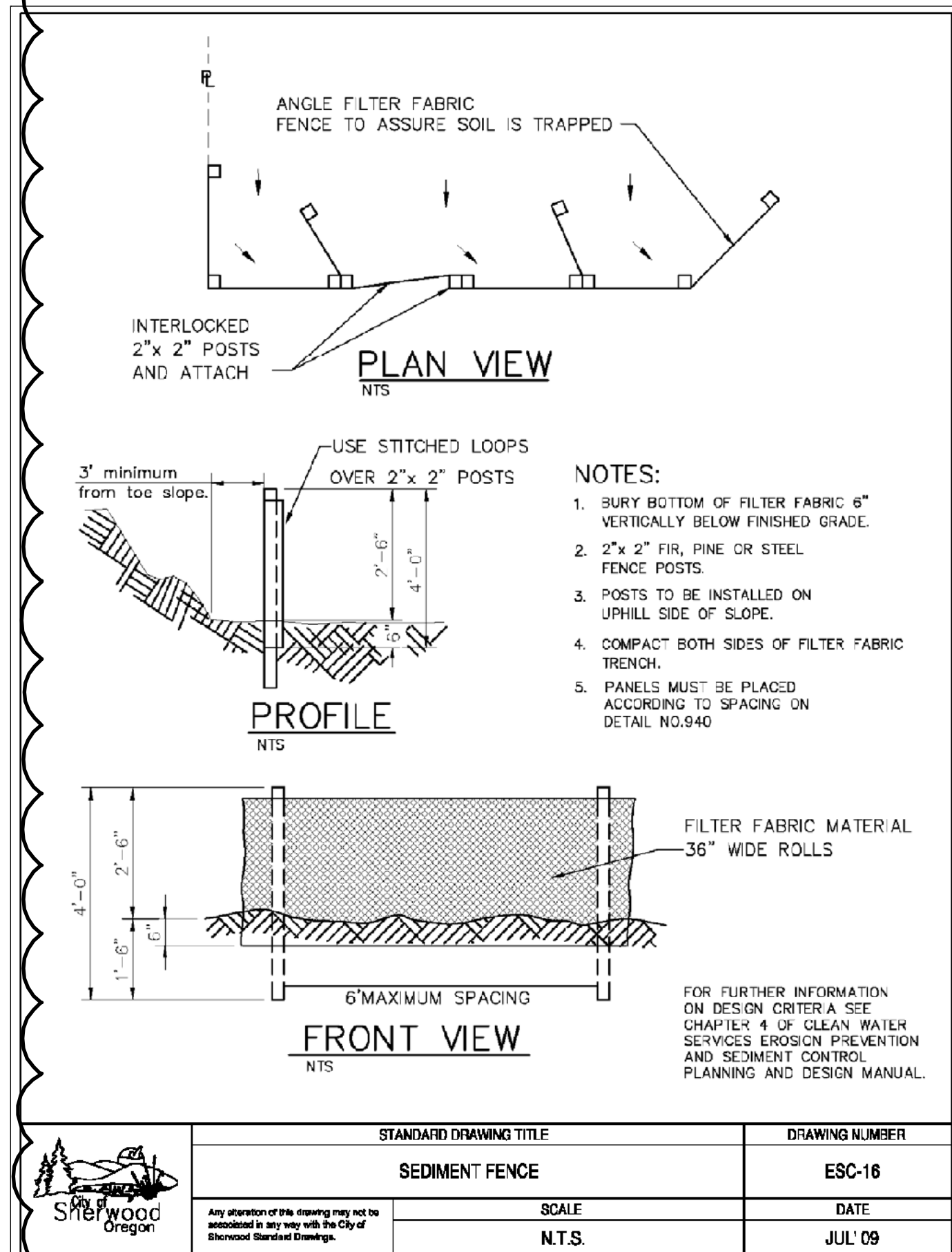
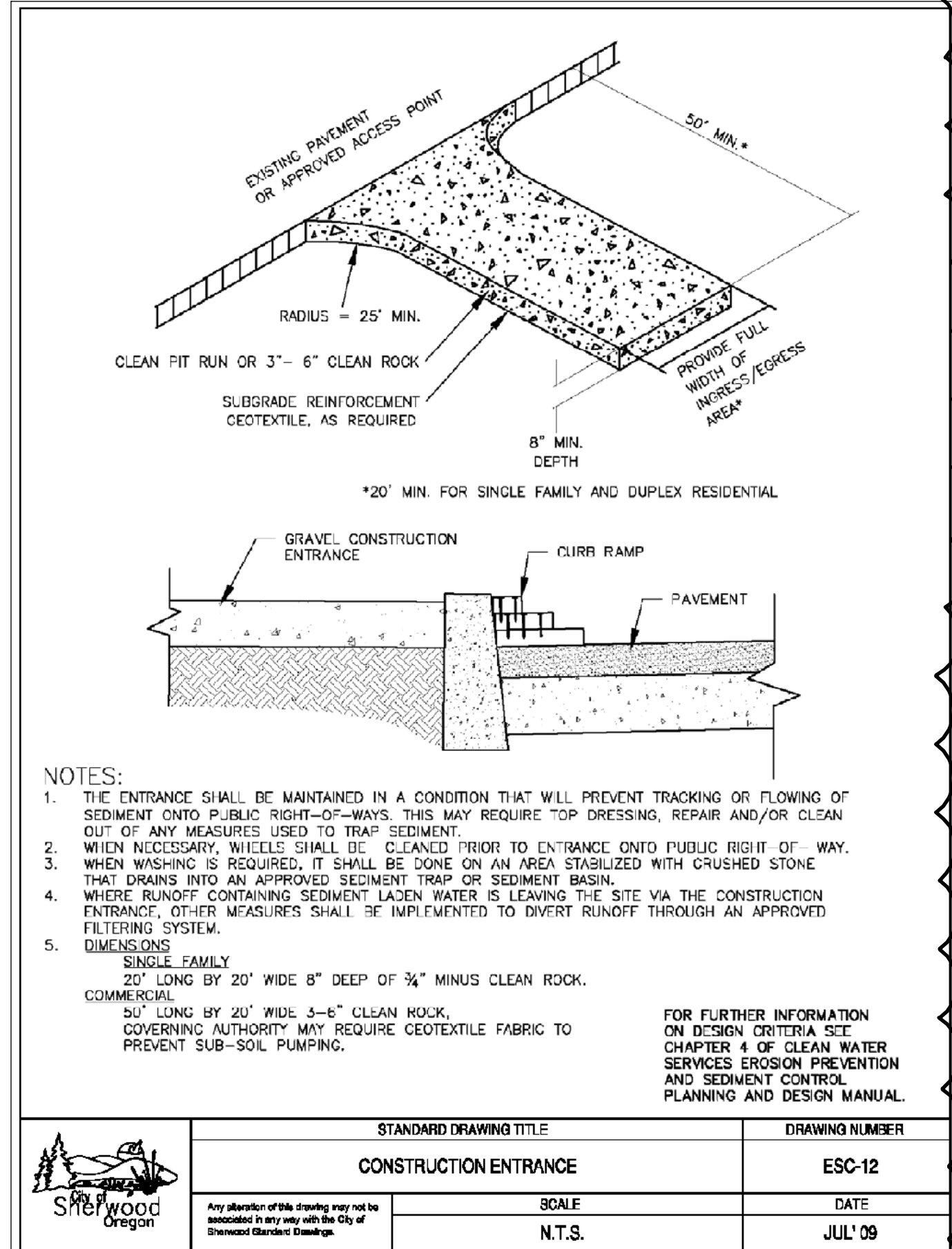
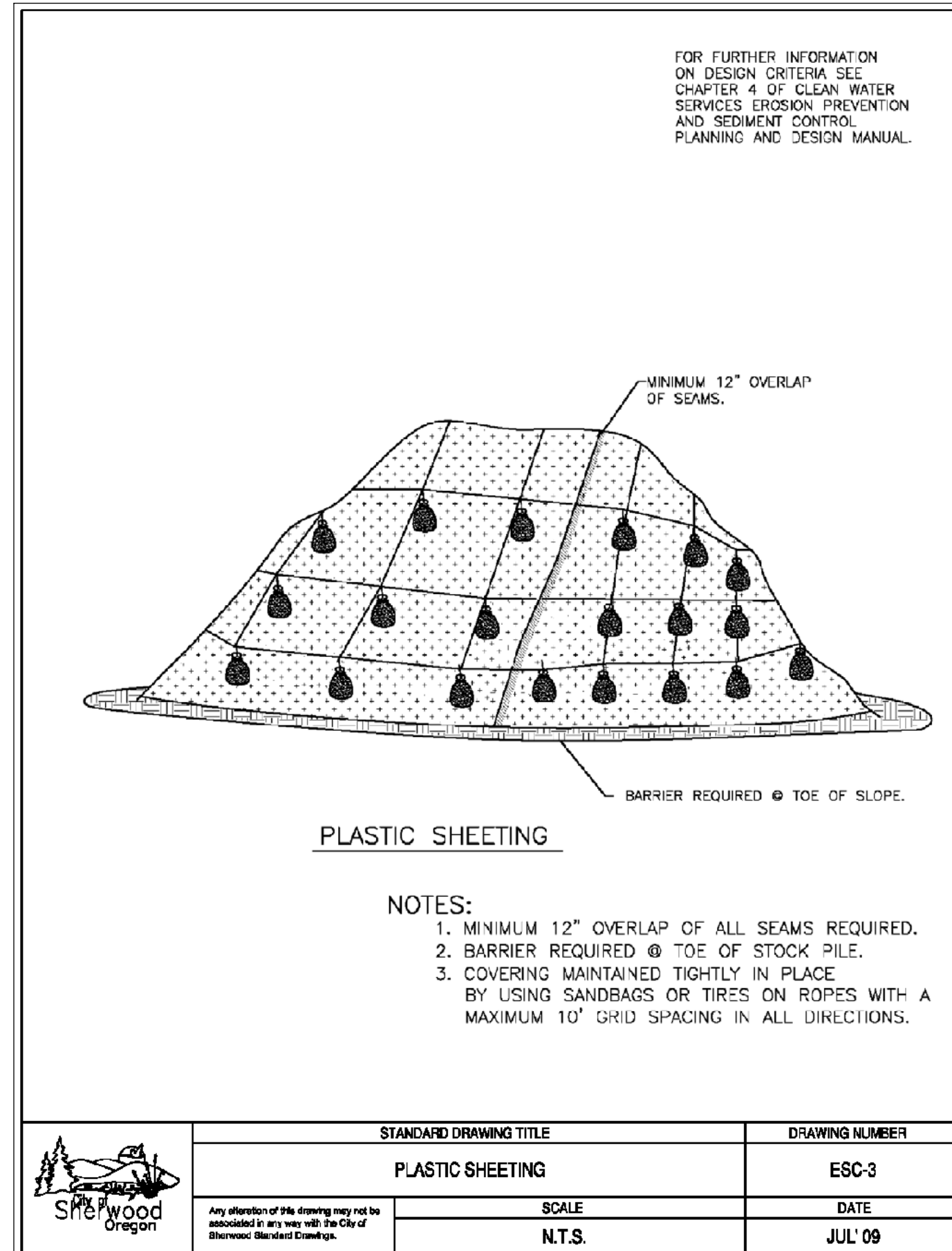
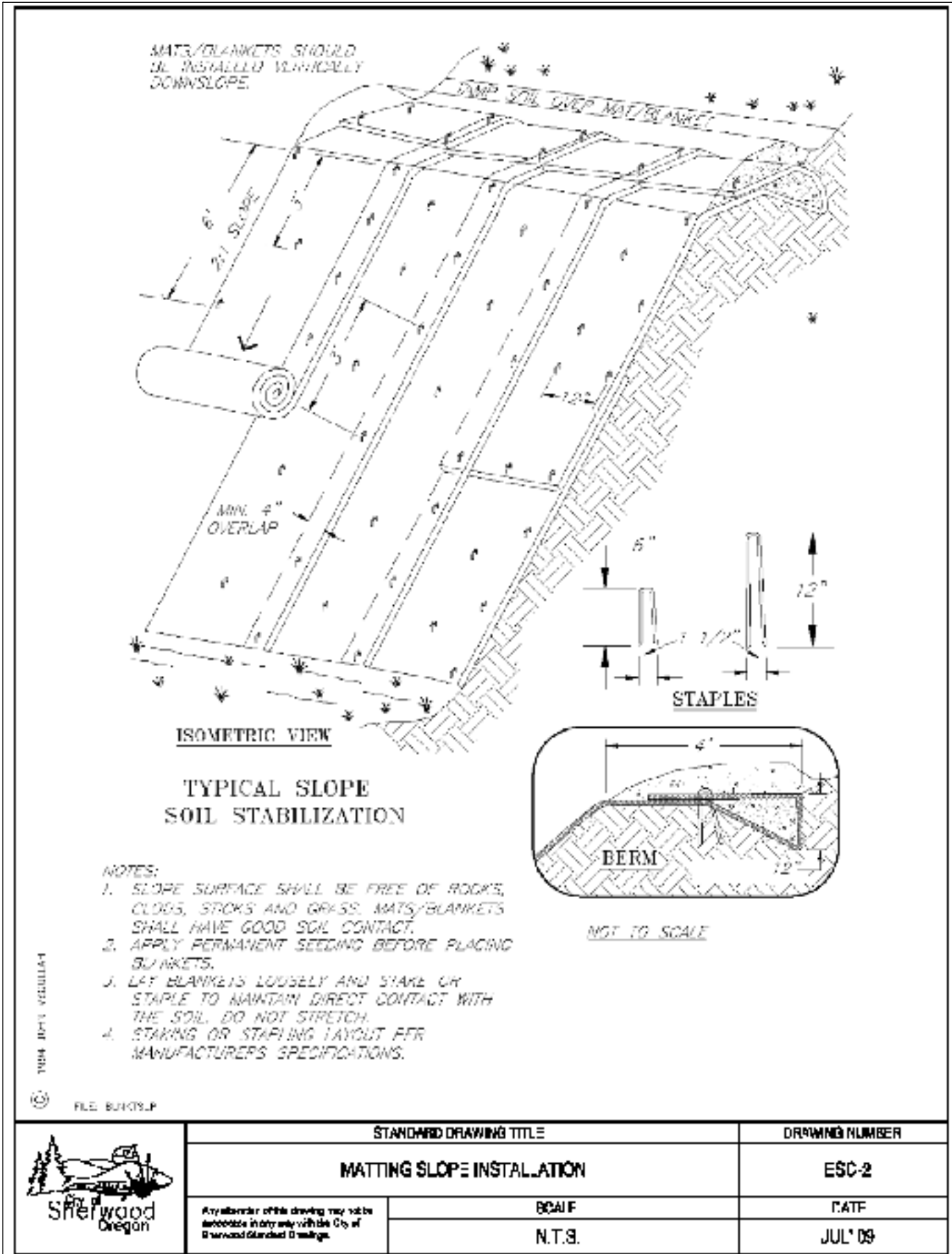
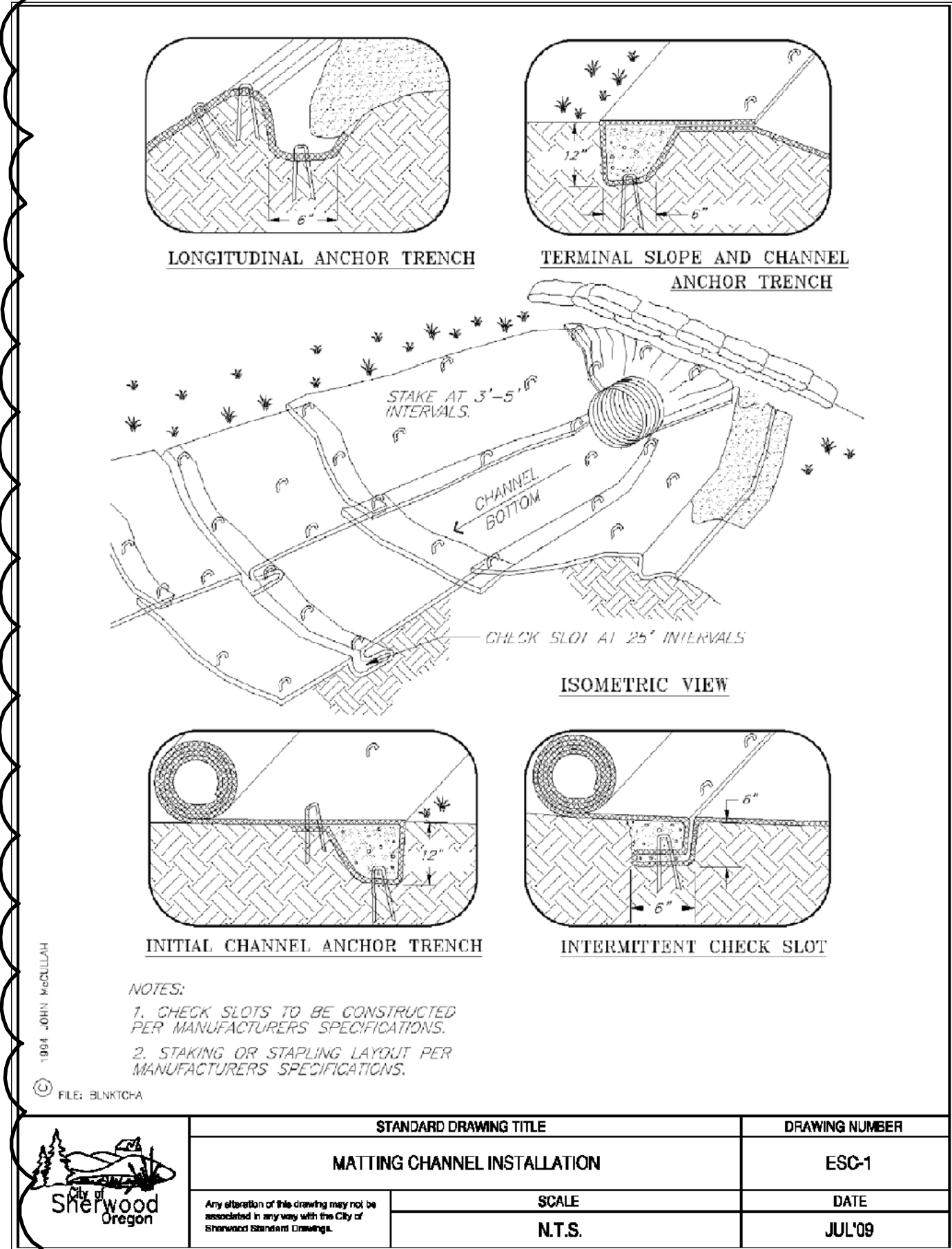
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ISSUE DATE:	11/16/2018
JOB NO.:	1707

SHEET:

SP1

OF 22

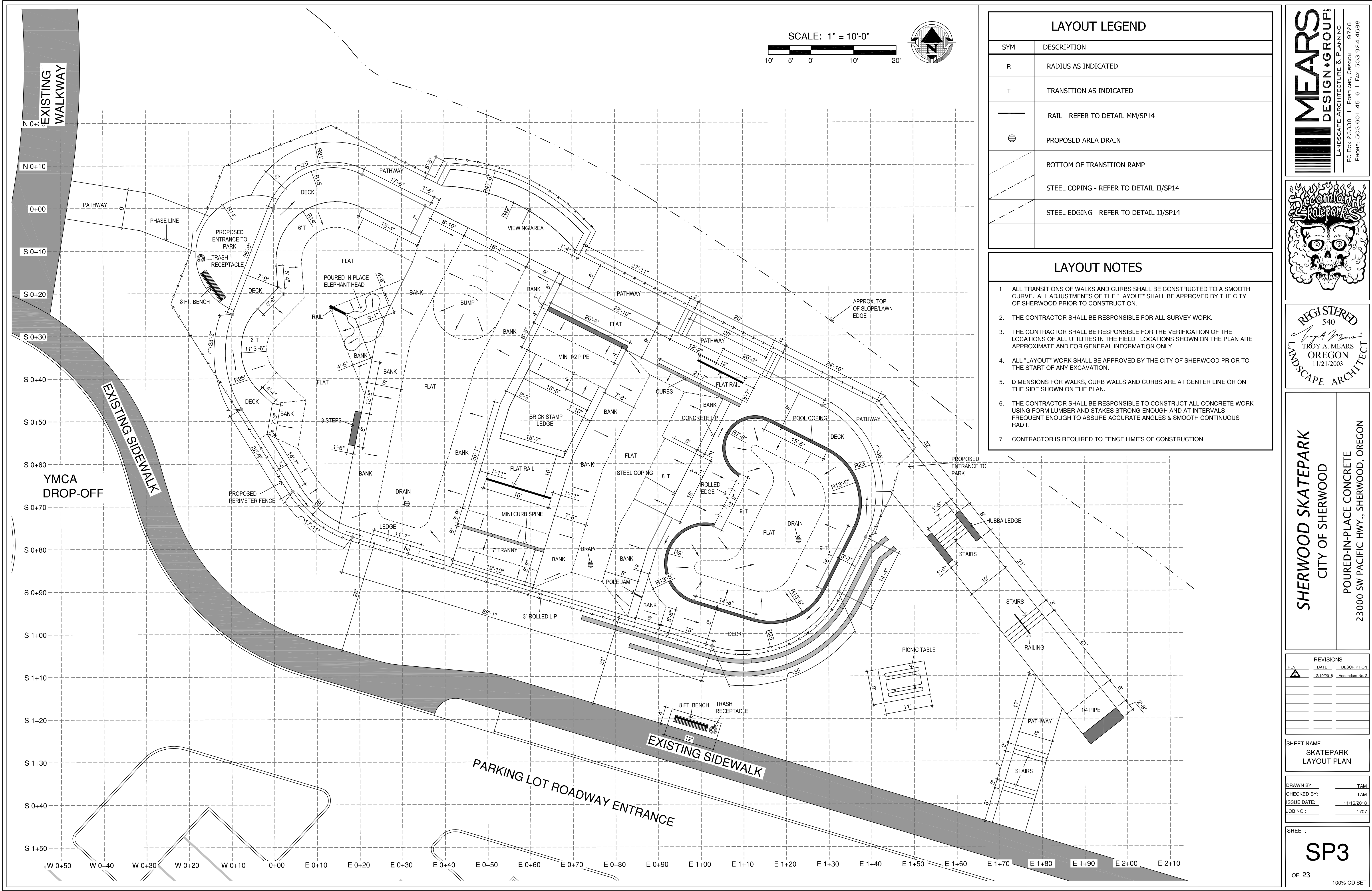
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REVISIONS		
REV.	DATE	DESCRIPTION
1	12/19/2018	City Comments

SHEET NAME:
SKATEPARK
ESPCP
DETAILS & NOTES

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CHECKED BY: TAM
ISSUE DATE: 11/18/2018
JOB NO.: 1707



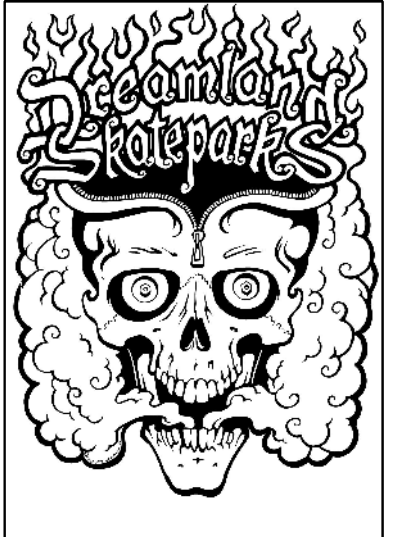
LAYOUT LEGEND	
SYM	DESCRIPTION
R	RADIUS AS INDICATED
T	TRANSITION AS INDICATED
—	RAIL - REFER TO DETAIL MM/SP14
⊖	PROPOSED AREA DRAIN
—	BOTTOM OF TRANSITION RAMP
—	STEEL COPING - REFER TO DETAIL II/SP14
—	STEEL EDGING - REFER TO DETAIL JJ/SP14

- LAYOUT NOTES
- ALL TRANSITIONS OF WALKS AND CURBS SHALL BE CONSTRUCTED TO A SMOOTH CURVE. ALL ADJUSTMENTS OF THE "LAYOUT" SHALL BE APPROVED BY THE CITY OF SHERWOOD PRIOR TO CONSTRUCTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE LOCATIONS OF ALL UTILITIES IN THE FIELD. LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
 - ALL "LAYOUT" WORK SHALL BE APPROVED BY THE CITY OF SHERWOOD PRIOR TO THE START OF ANY EXCAVATION.
 - DIMENSIONS FOR WALKS, CURB WALLS AND CURBS ARE AT CENTER LINE OR ON THE SIDE SHOWN ON THE PLAN.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL CONCRETE WORK USING FORM LUMBER AND STAKES STRONG ENOUGH AND AT INTERVALS FREQUENT ENOUGH TO ASSURE ACCURATE ANGLES & SMOOTH CONTINUOUS RADII.
 - CONTRACTOR IS REQUIRED TO FENCE LIMITS OF CONSTRUCTION.

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REGISTERED
540

TROY A. MEARS
OREGON
11/21/2003

LANDSCAPE ARCHITECT

SHERWOOD SKATEPARK
CITY OF SHERWOOD

POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

REVISIONS		
REV.	DATE	DESCRIPTION
1	12/19/2018	Addendum No. 2

SHEET NAME:

SKATEPARK
LAYOUT PLAN

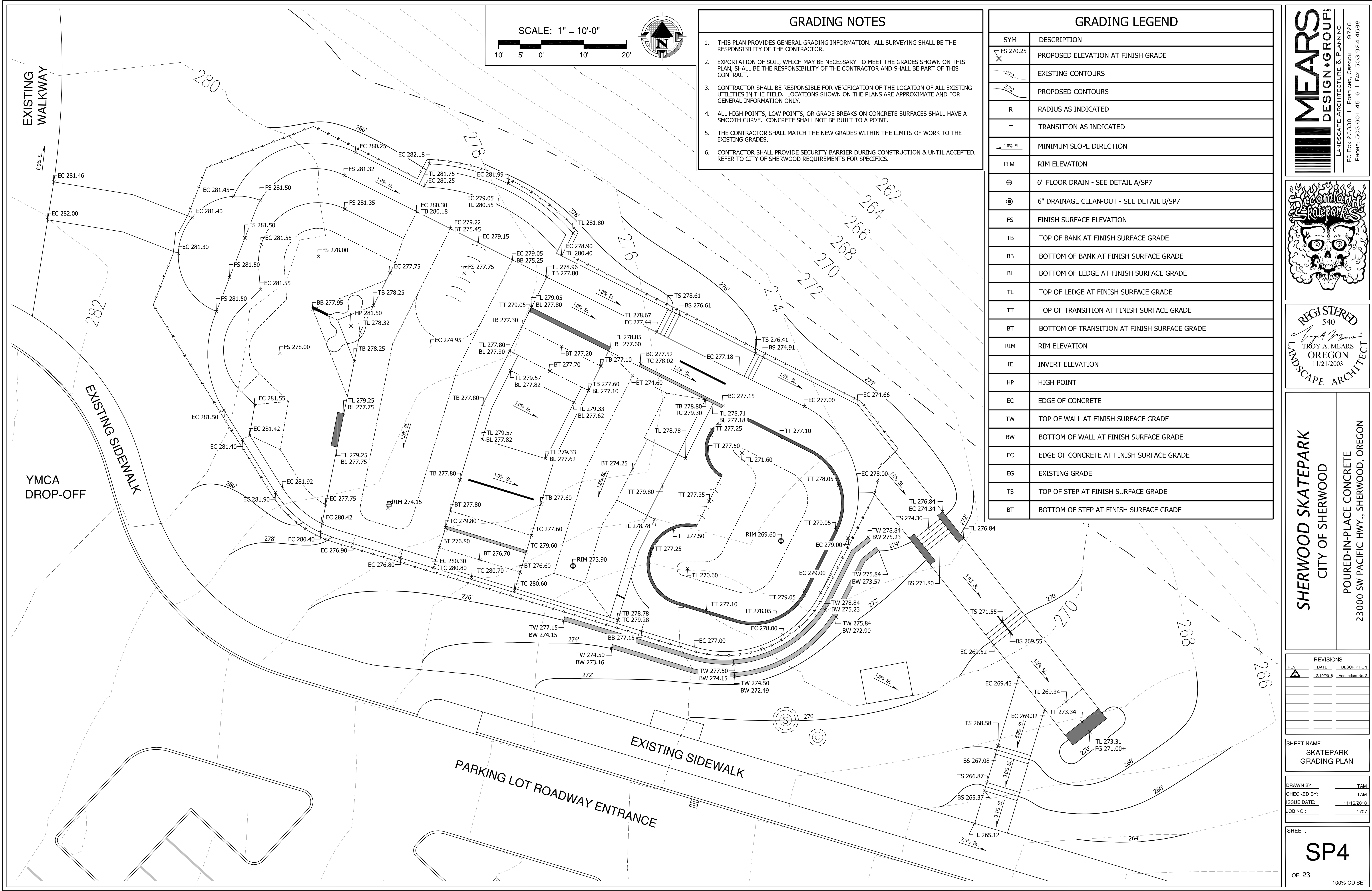
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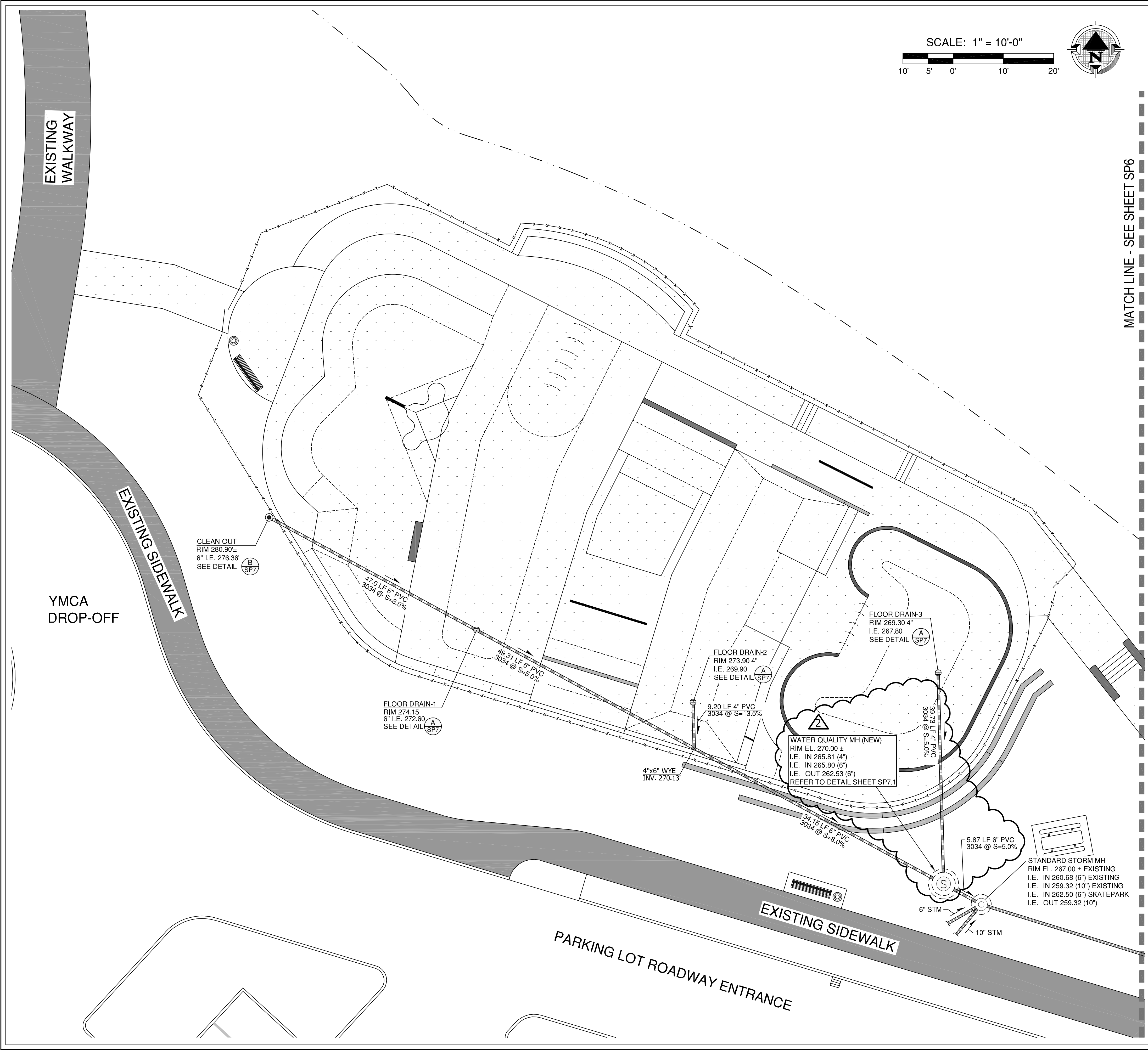
SHEET:

SP3

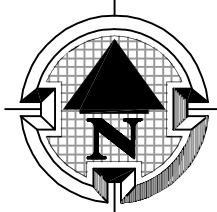
OF 23

100% CD SET





SCALE: 1" = 10'-0"



MATCH LINE - SEE SHEET SP6

DRAINAGE LEGEND

SYM	DESCRIPTION
RIM	RIM ELEVATION
I.E.	INVERT ELEVATION
	STORM DRAIN LINE - (3034) - SIZE AS NOTED
	EXISTING STORM DRAIN LINE - (3034) - SIZE AS NOTED
	EXISTING STORM SEWER MANHOLE
	PROPOSED WATER QUALITY MANHOLE - SEE DETAIL SHEET SP7.1
	6" FLOOR DRAIN - SEE DETAIL A/SP7
	6" DRAINAGE CLEAN-OUT - SEE DETAIL B/SP7
	PIPE SLOPE DIRECTION
	INDICATES SKATEPARK CONCRETE SURFACE LIMITS

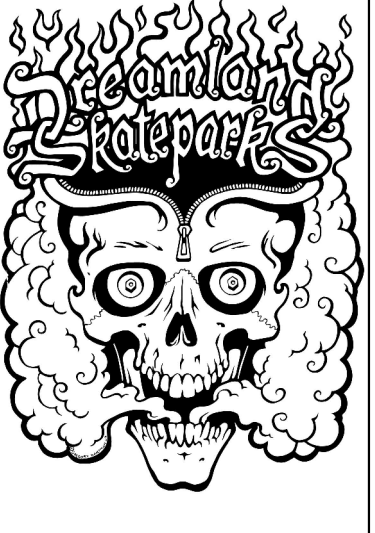
DRAINAGE NOTES

- THIS PLAN PROVIDES GENERAL ELEVATION INFORMATION. ALL SURVEYING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- EXPORTATION OF SOIL, WHICH MAY BE NECESSARY TO MEET THE GRADES SHOWN ON THIS PLAN, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PART OF THIS CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL EXISTING UTILITIES IN THE FIELD. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- SKATEPARK CONTRACTOR TO PRESERVE AND PROTECT EXISTING EROSION CONTROL AND SITE PROTECTION MEASURES THROUGHOUT CONSTRUCTION.
- DRAINAGE BEHIND WALLS & TRANSITION RAMPS IS AT THE DISCRETION & RESPONSIBILITY OF THE SKATEPARK CONTRACTOR. HOWEVER, POSITIVE DRAINAGE DIRECTED AWAY FROM SKATEPARK MUST BE MAINTAINED.
- SKATEPARK CONTRACTOR TO INSTALL ALL DRAINAGE COMPONENTS ASSOCIATED WITH SKATEPARK AND AS SHOWN ON SKATEPARK PLANS INCLUDING FLOOR DRAINS AND CONNECTION TAPS INTO EXISTING DRAINAGE SYSTEM. COORDINATION REQUIRED WITH CIVIL DRAWINGS AND PLUMBING CONTRACTOR.

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SHERWOOD SKATEPARK
CITY OF SHERWOOD

POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

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SHEET NAME:
SKATEPARK
DRAINAGE PLAN

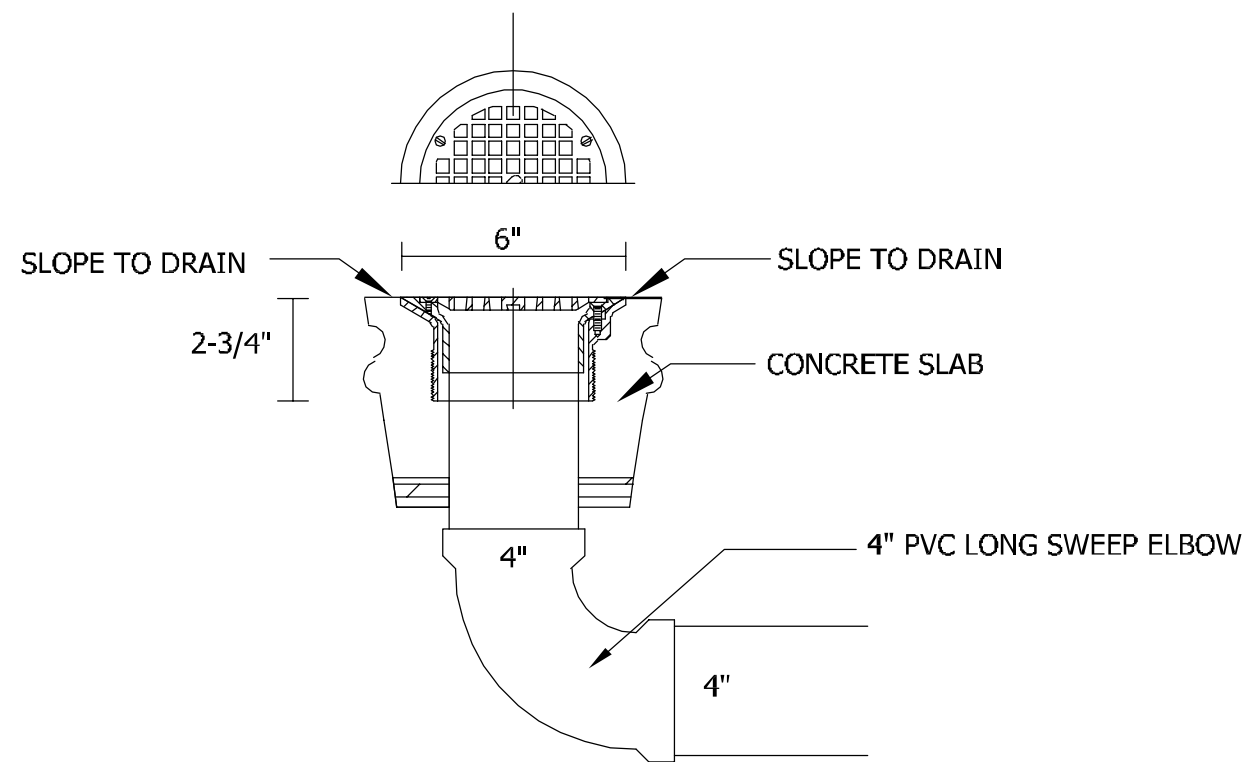
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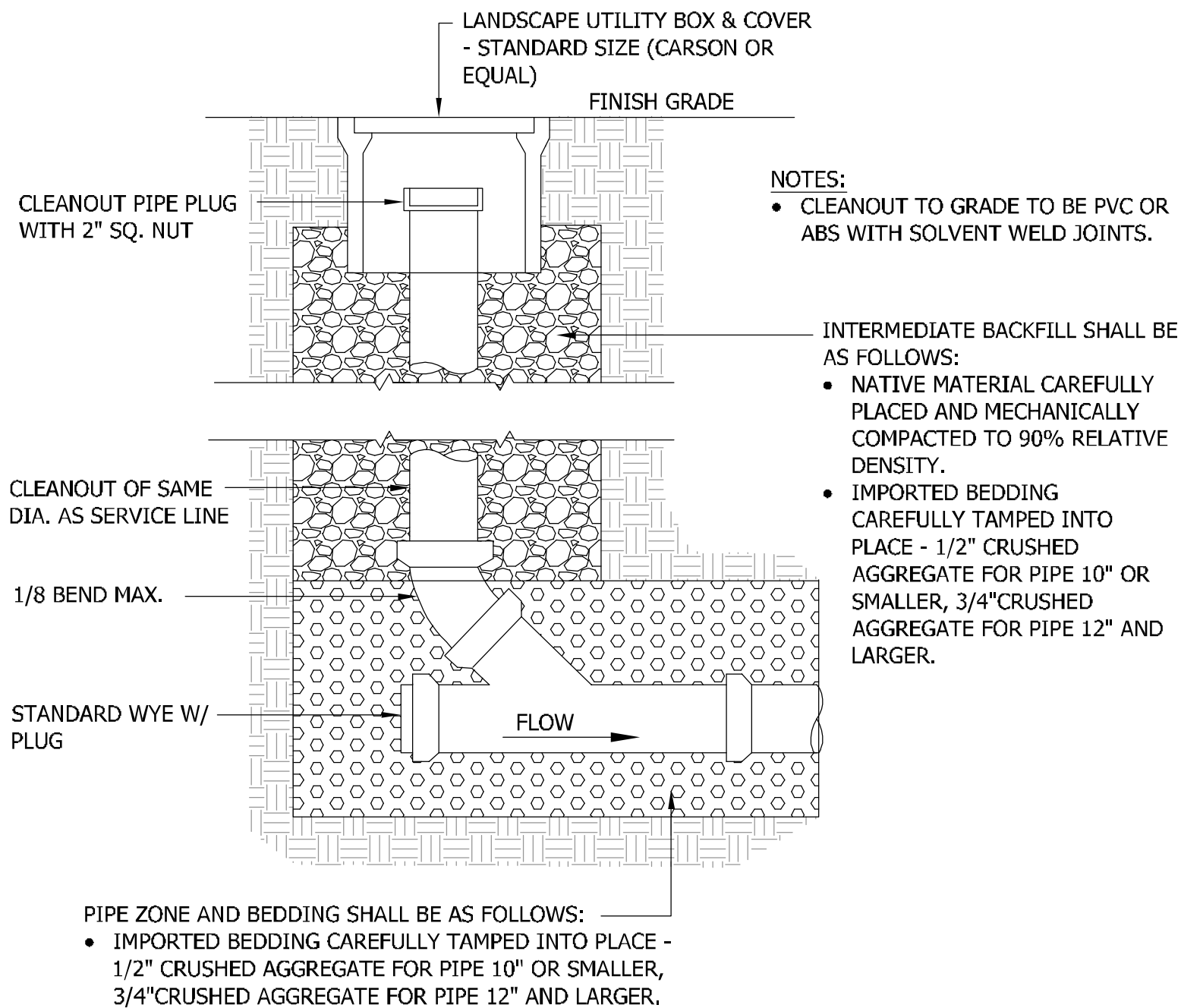
SP5

OF 22

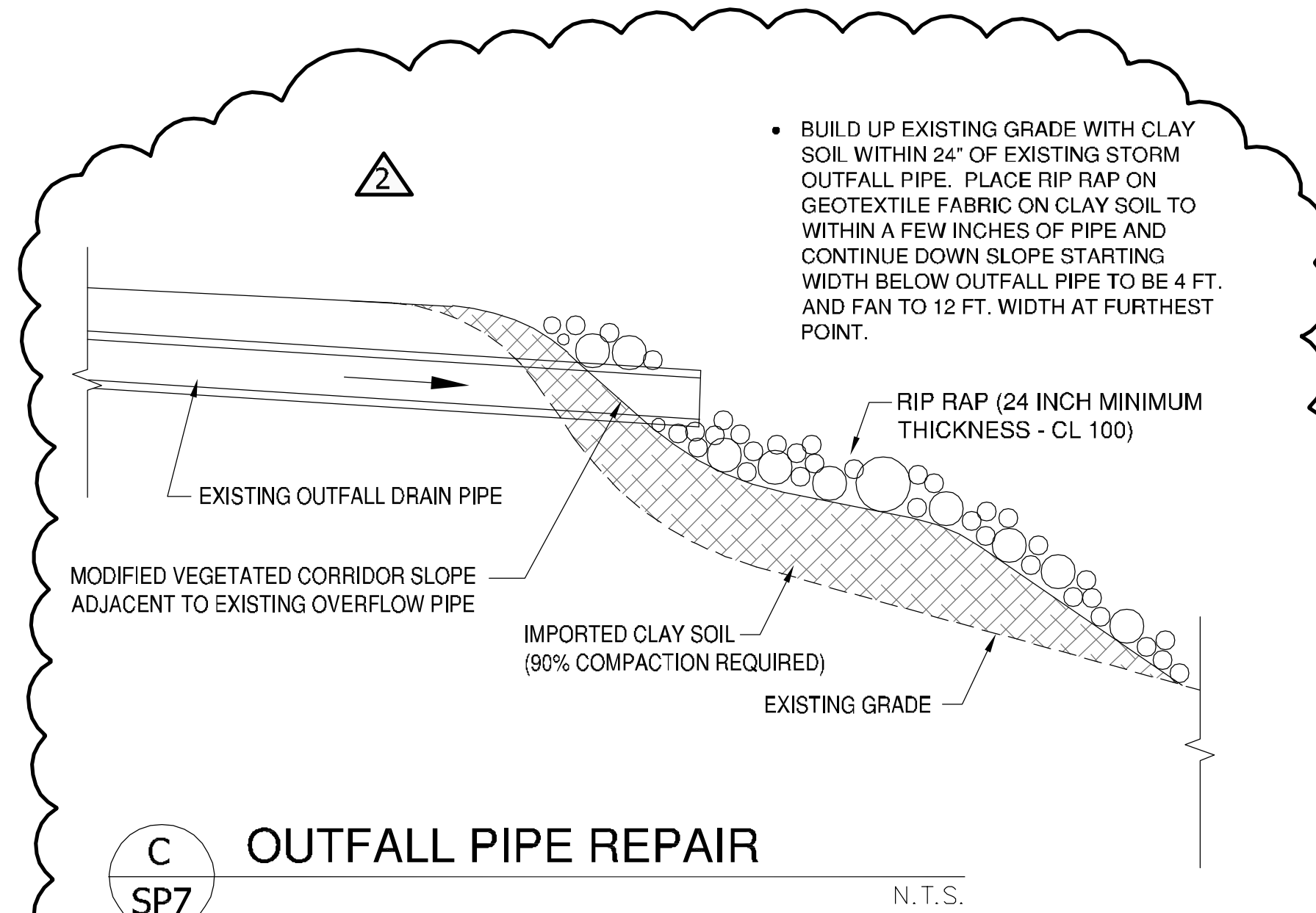
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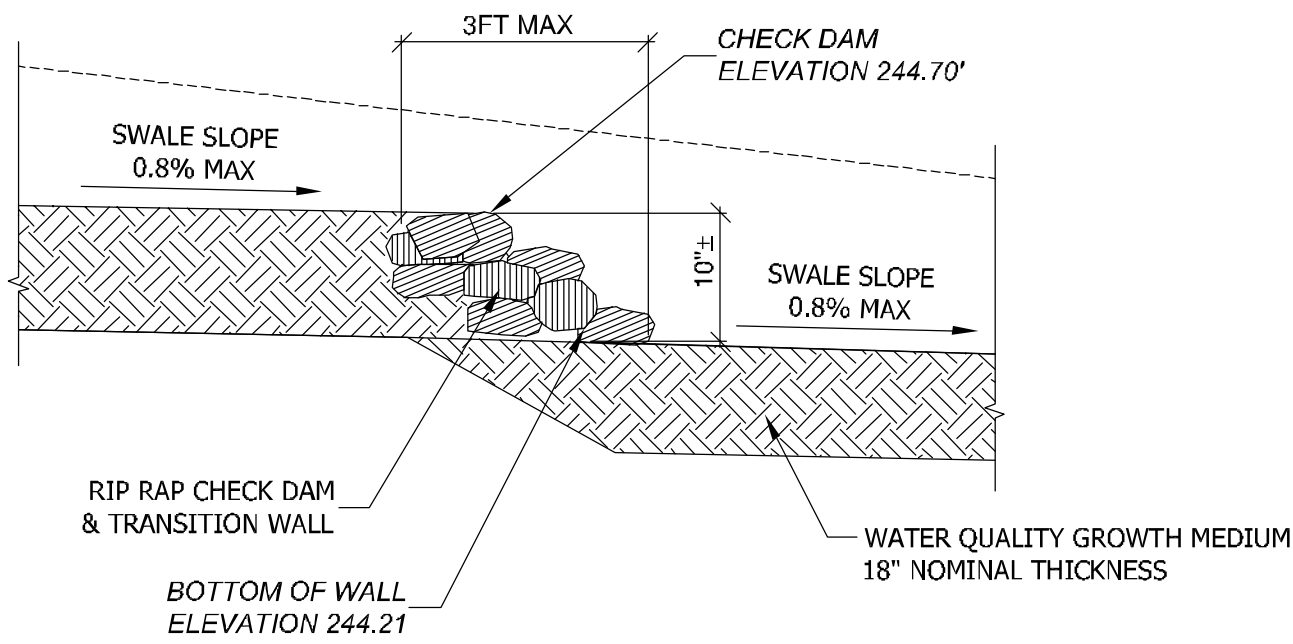
A JSC FLOOR DRAIN (D53072)
SP7 JONES STEPHENS CORP. (OR EQUAL) N.T.S.



B CLEAN OUT DETAIL
SP7 N.T.S.



C OUTFALL PIPE REPAIR
SP7 N.T.S.



D SWALE CHECK DAM
SP7 N.T.S.

- RIPRAP:**
- ROCK FOR RIPRAP SHALL BE ANGULAR IN SHAPE.
 - THICKNESS OF A SINGLE ROCK SHALL NOT BE LESS THAN ONE-THIRD ITS LENGTH.
 - ROUNDED ROCK WILL NOT BE ACCEPTED UNLESS APPROVED BY THE CITY OR DISTRICT.

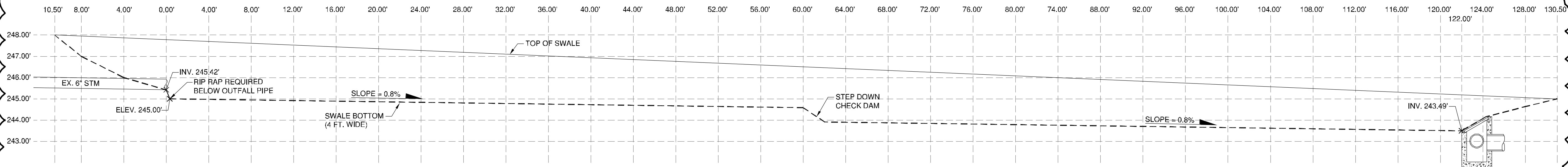
- RIPRAP INSTALLATION:**
- EXCAVATE BELOW FINISH GRADE TO DEPTH & DIMENSIONS SHOWN ON APPROVED PLANS.
 - INSTALL WOVEN GEOTEXTILE FABRIC.
 - PLACE RIP RAP TO FINISH GRADE.
 - GRADE RIPRAP SHALL BE THE CLASS AND SIZE OF ROCK ACCORDING TO THE FOLLOWING:

CLASS	CLASS	CLASS	CLASS	CLASS	
50	100	200	700	2000	
WEIGHT OF ROCK (LBS)					PERCENT (BY WEIGHT)
50-30	100-60	200-140	700-500	2000-1400	20
30-15	60-25	140-80	500-200	1400-700	30
15-2	25-2	80-8	200-20	700-40	40
2-0	2-0	8-0	20-0	40-0	10



STANDARD DRAWING TITLE		DRAWING NUMBER	
RIP RAP DETAILS		SS-87	
SCALE		DATE	
N.T.S.		MAR '16	

NOT USED



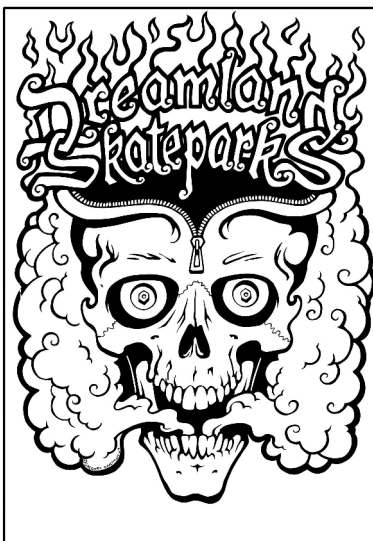
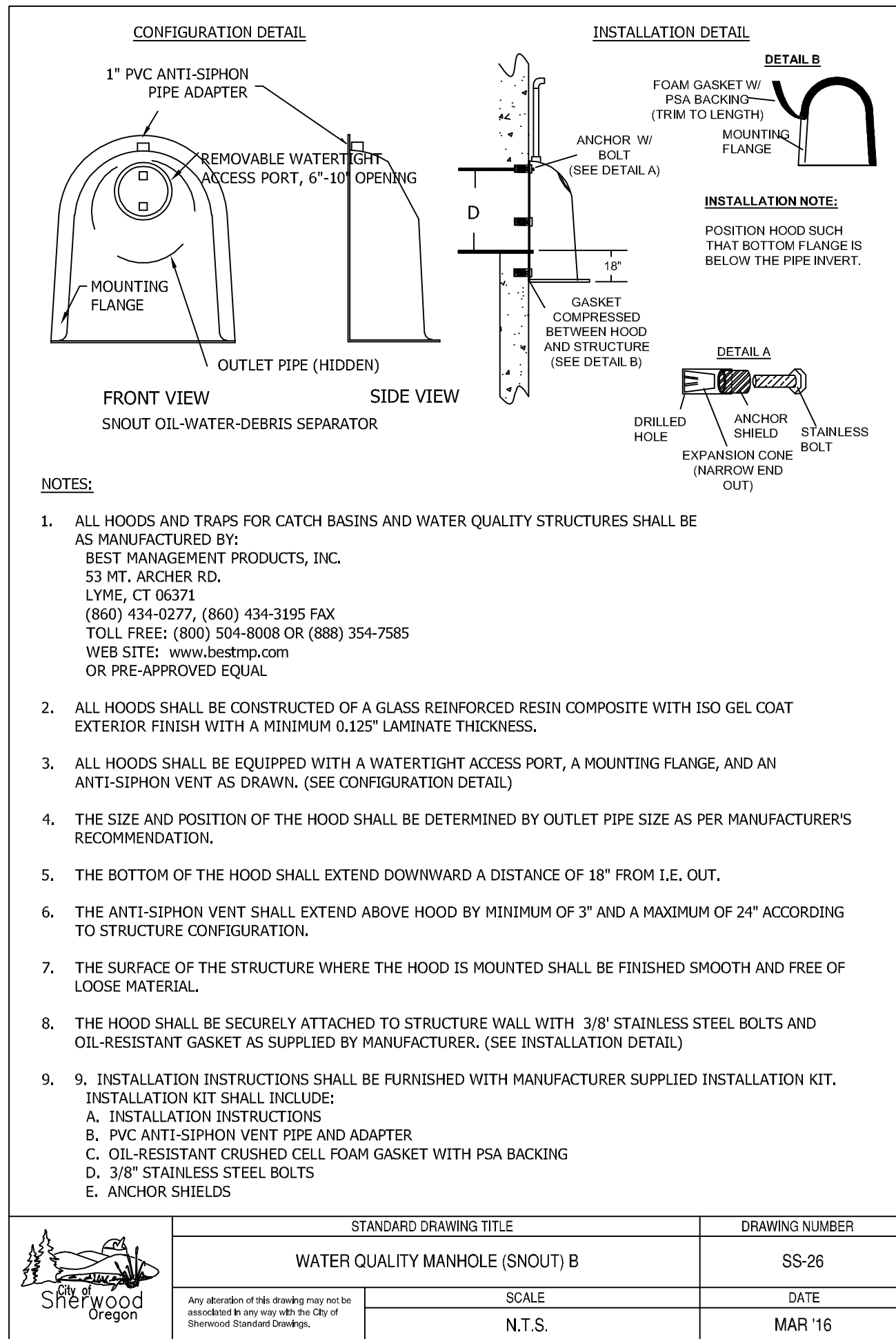
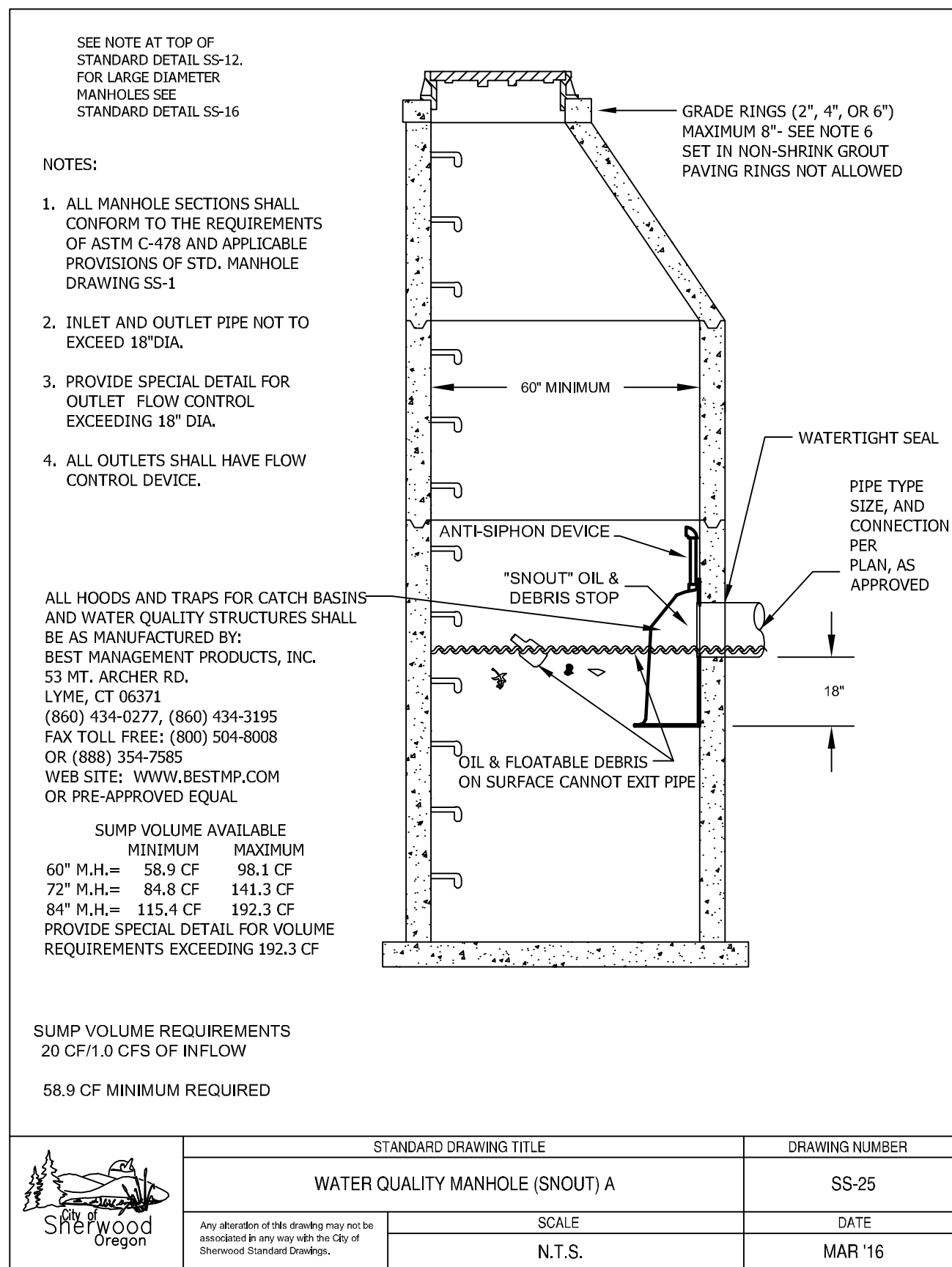
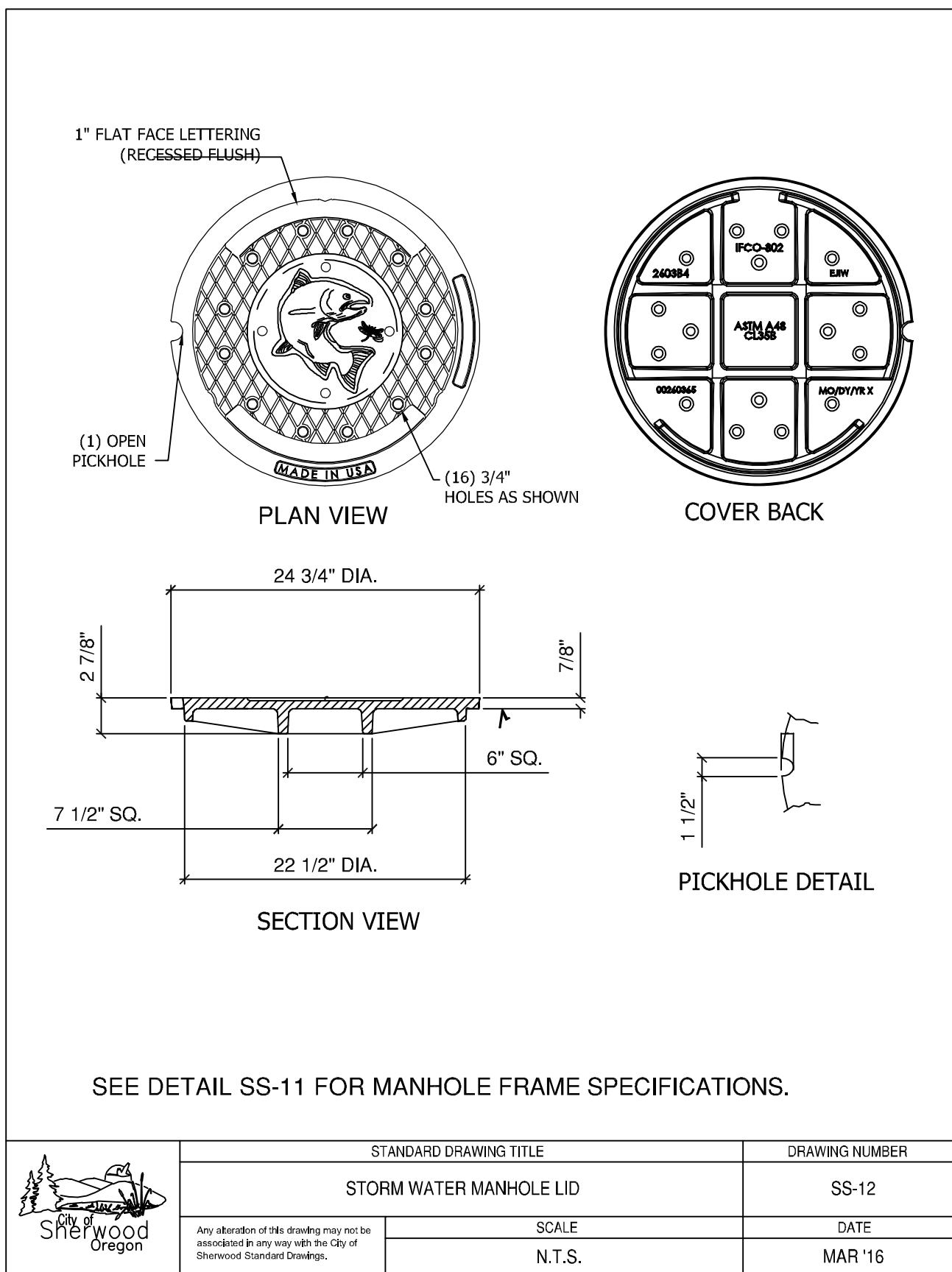
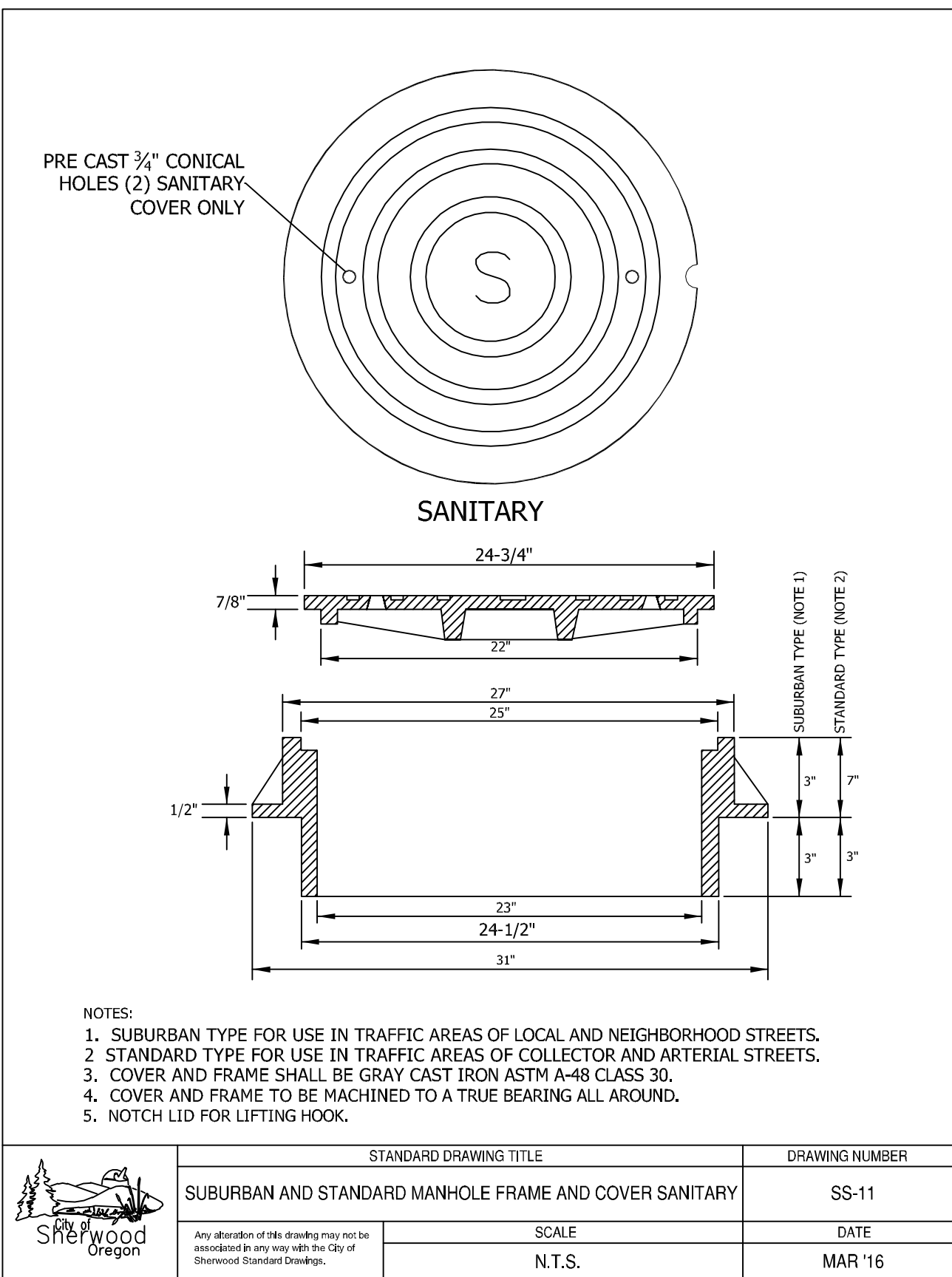
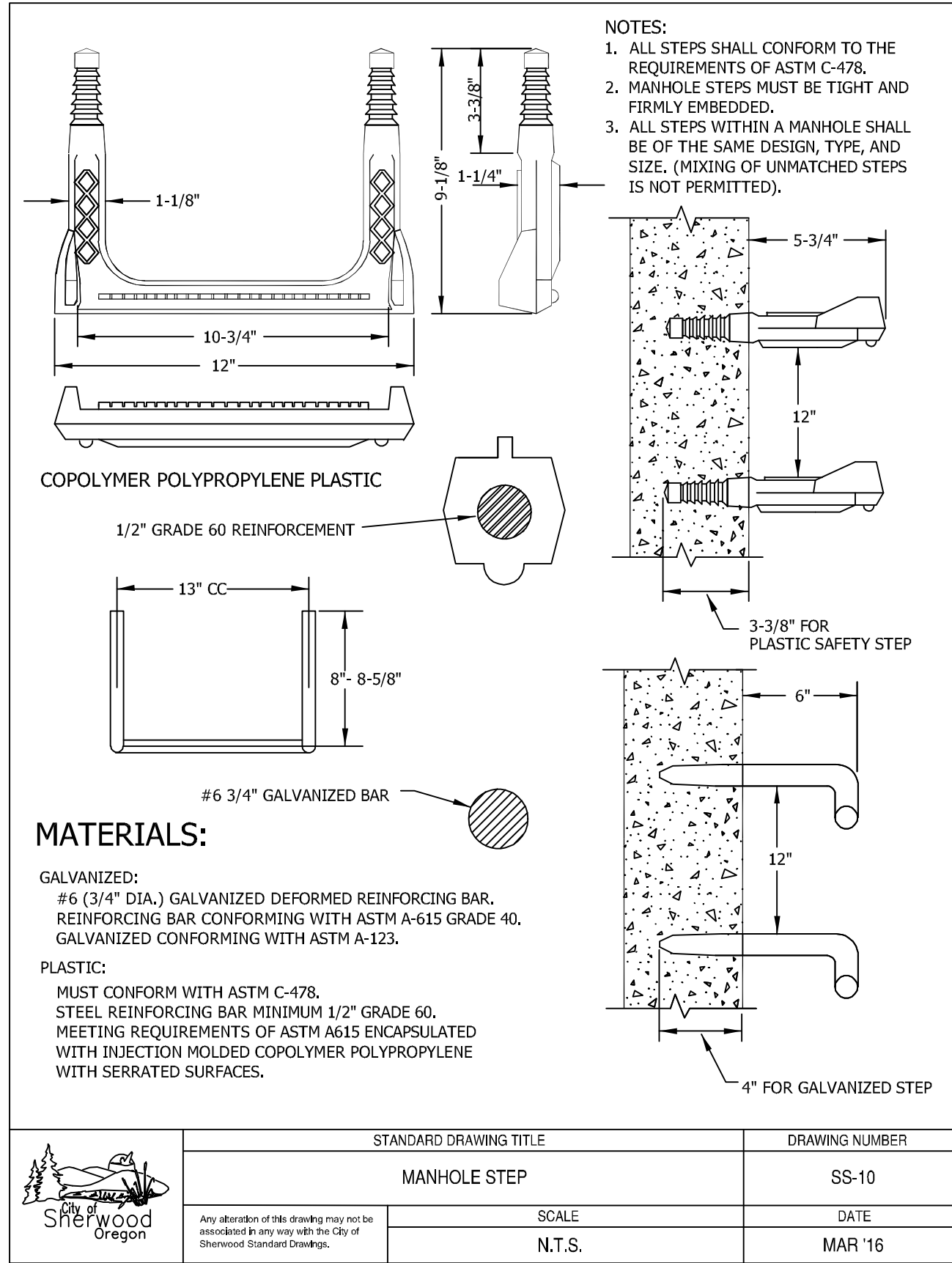
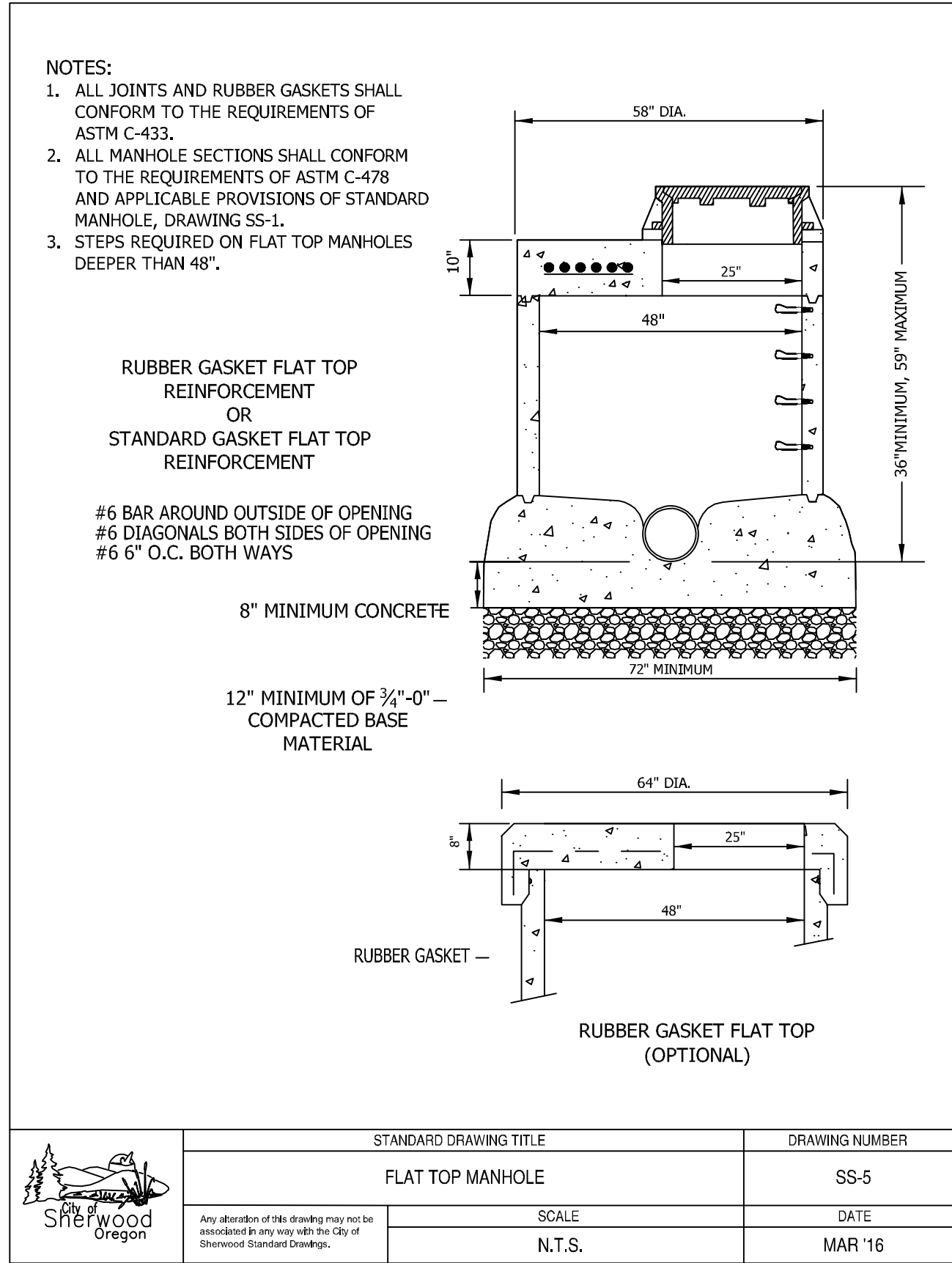
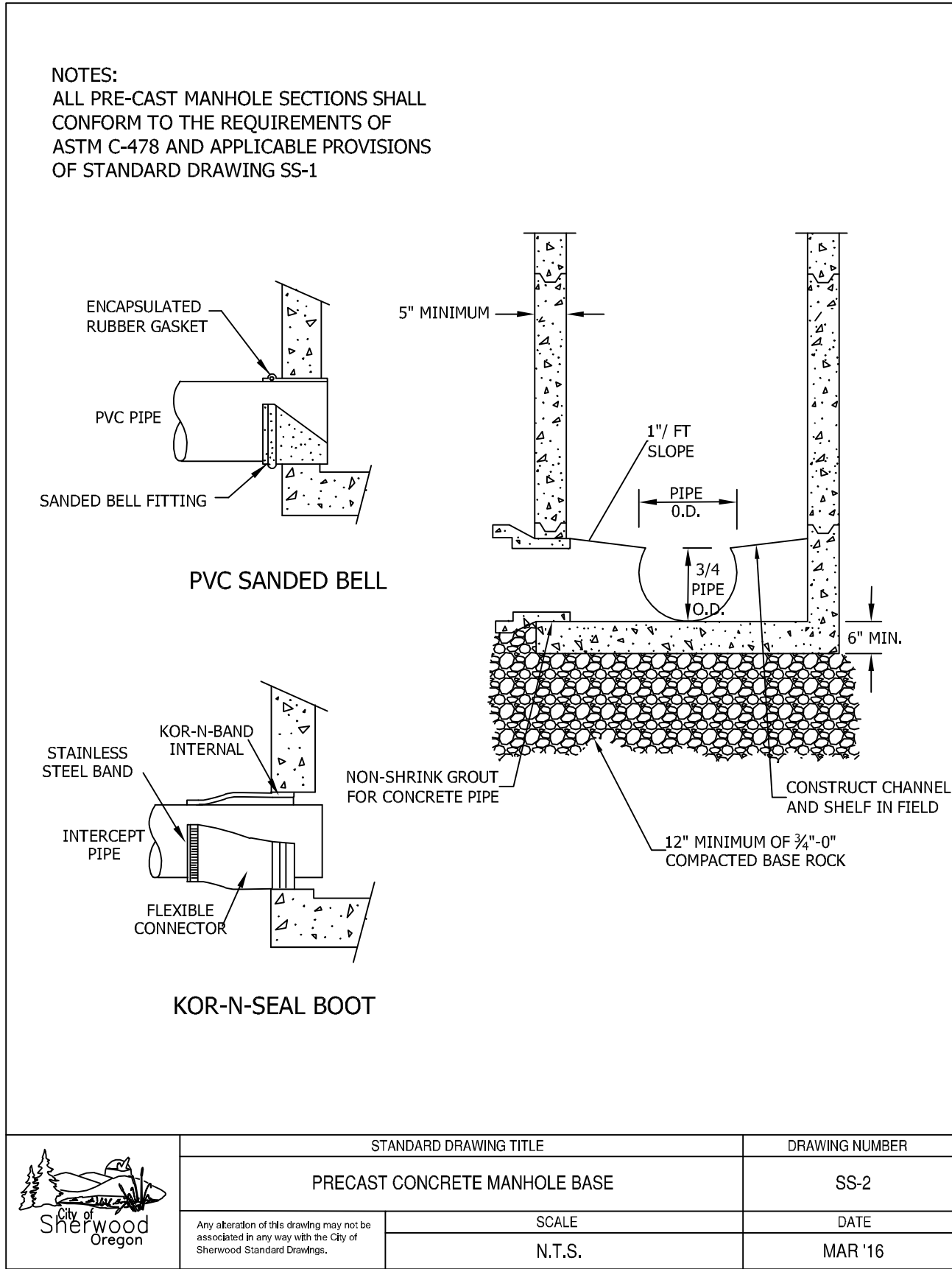
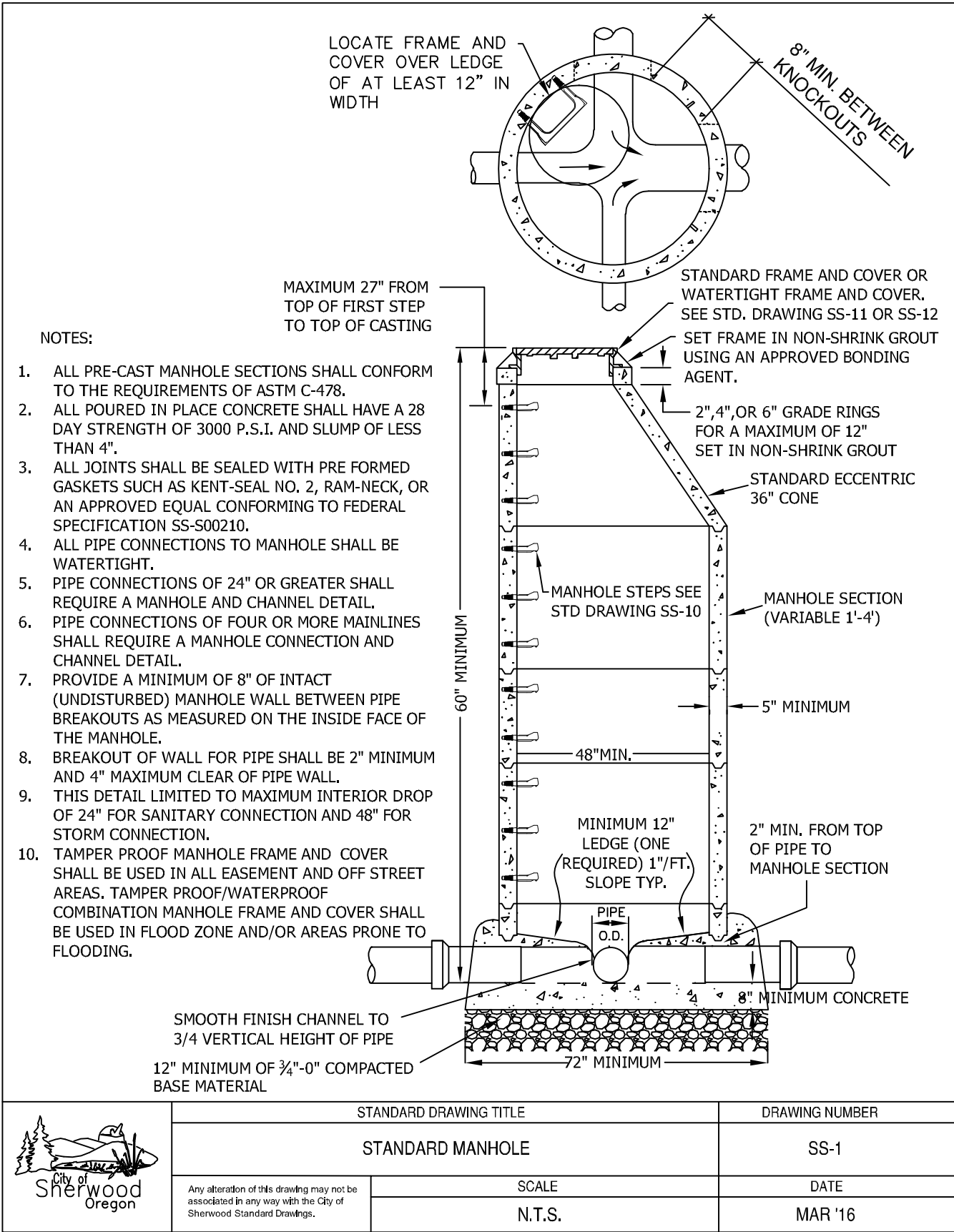
WATER QUALITY SWALE PROFILE
NTS



REVISIONS		
REV.	DATE	DESCRIPTION
1	12/19/2019	Addendum No. 2

SHEET NAME:
**DRAINAGE
DETAILS & NOTES**

DRAWN BY: T.A.M.
CHECKED BY: T.A.M.
ISSUE DATE: 11/16/2019
JOB NO.: 1707



REVISIONS		
REV.	DATE	DESCRIPTION
1	12/19/2018	City Comments

SHEET NAME:

DRAINAGE

DETAILS & NOTES

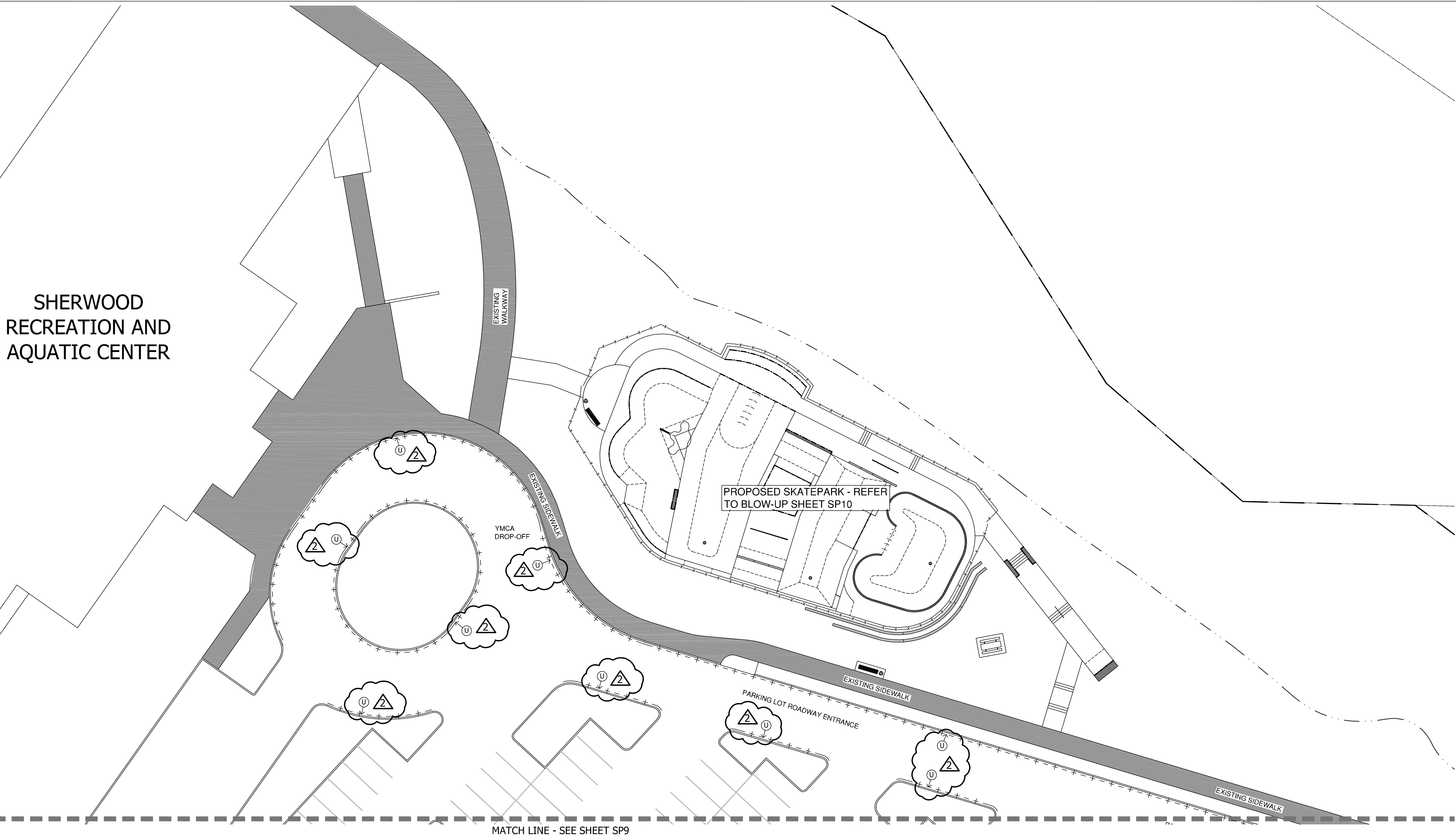
DRAWN BY: TAM

CHECKED BY: TAM

ISSUE DATE: 11/16/2018

JOB NO.: 1707

SHERWOOD
RECREATION AND
AQUATIC CENTER



MEARS
DESIGN+GROUP
LANDSCAPE ARCHITECTURE & PLANNING
PO BOX 23338 | PORTLAND, OREGON | 97281
PHONE: 503.601.4516 | FAX: 503.924.4688



REGISTERED
540
TROY A. MEARS
OREGON
11/21/2003
LANDSCAPE ARCHITECT

SHERWOOD SKATEPARK
CITY OF SHERWOOD
POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

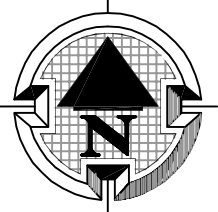
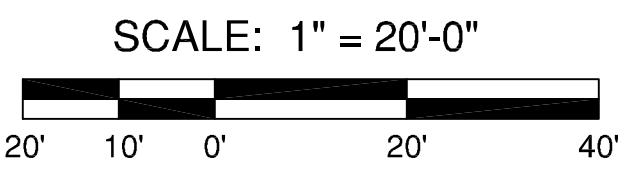
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REV.	DATE	DESCRIPTION
1	12/19/2018	Addendum No. 2

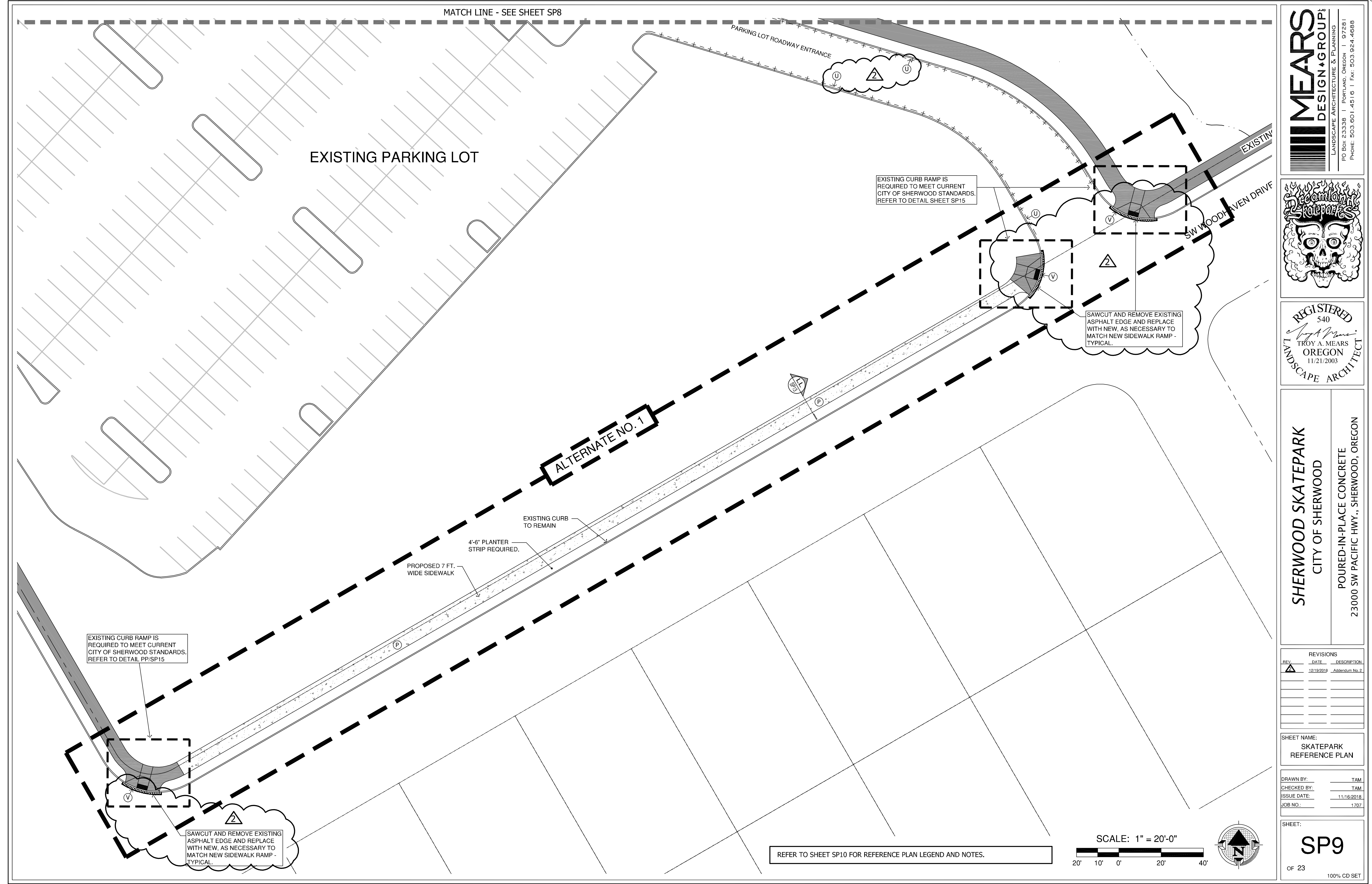
SHEET NAME:
SKATEPARK
REFERENCE PLAN

DRAWN BY:	TAM
CHECKED BY:	TAM
ISSUE DATE:	11/18/2018
JOB NO.:	1707

SHEET:
SP8
OF 23
100% CD SET

REFER TO SHEET SP10 FOR REFERENCE PLAN LEGEND AND NOTES.





MEARS
DESIGN+GROUP

LANDSCAPE ARCHITECTURE & PLANNING
PO BOX 23338 | PORTLAND, OREGON | 97281
PHONE: 503.601.4516 | FAX: 503.924.4688



REGISTERED
540
Troy A. Mears
TROY A. MEARS
OREGON
11/21/2003
LANDSCAPE ARCHITECT

SHERWOOD SKATEPARK
CITY OF SHERWOOD

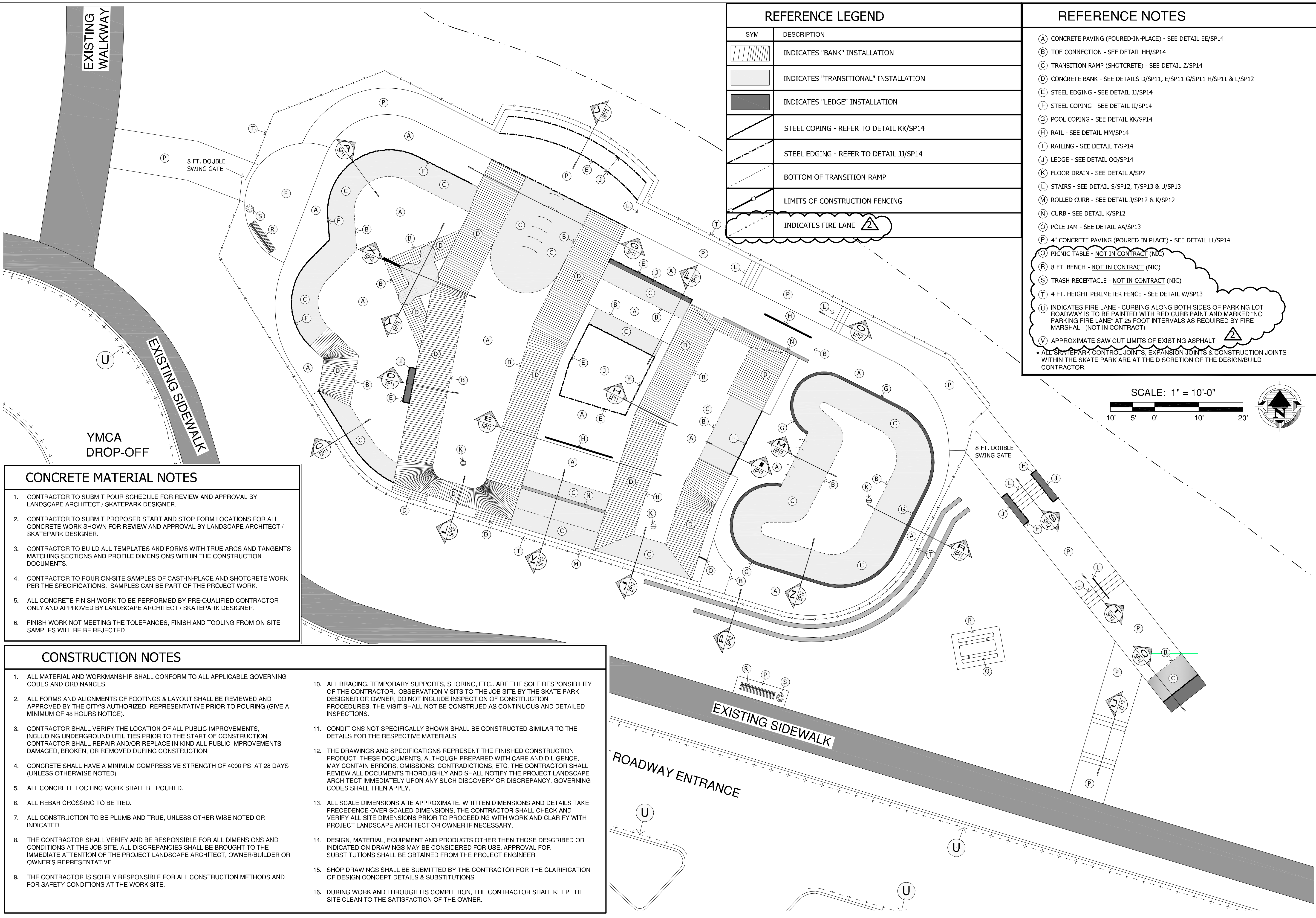
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23000 SW PACIFIC HWY., SHERWOOD, OREGON

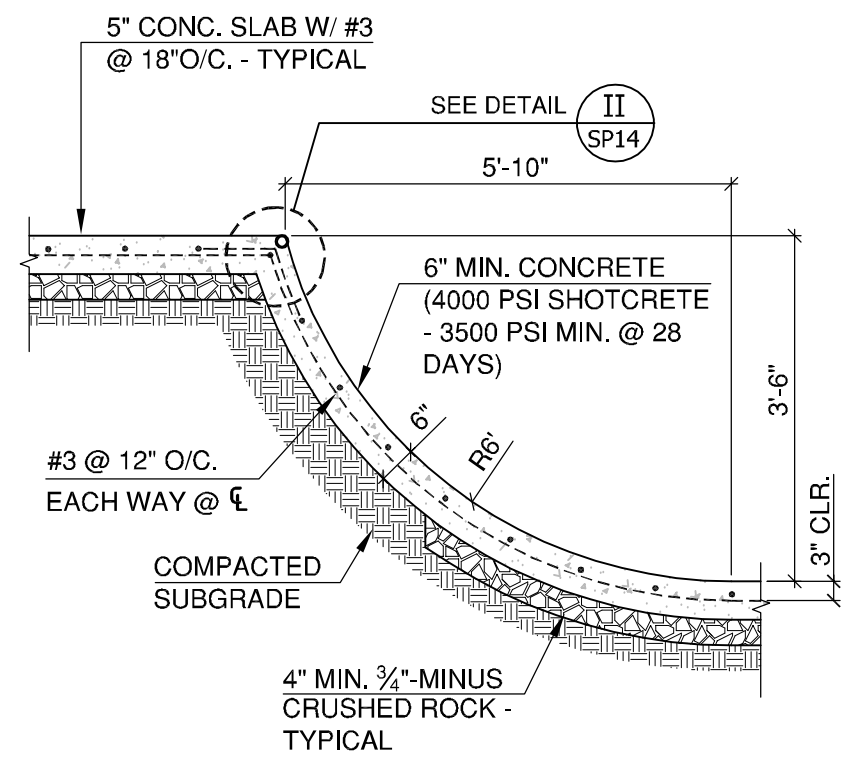
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REV.	DATE	DESCRIPTION
1	12/19/2018	Addendum No. 2

SHEET NAME:
SKATEPARK
REFERENCE PLAN

DRAWN BY: TAM
CHECKED BY: TAM
ISSUE DATE: 11/18/2018
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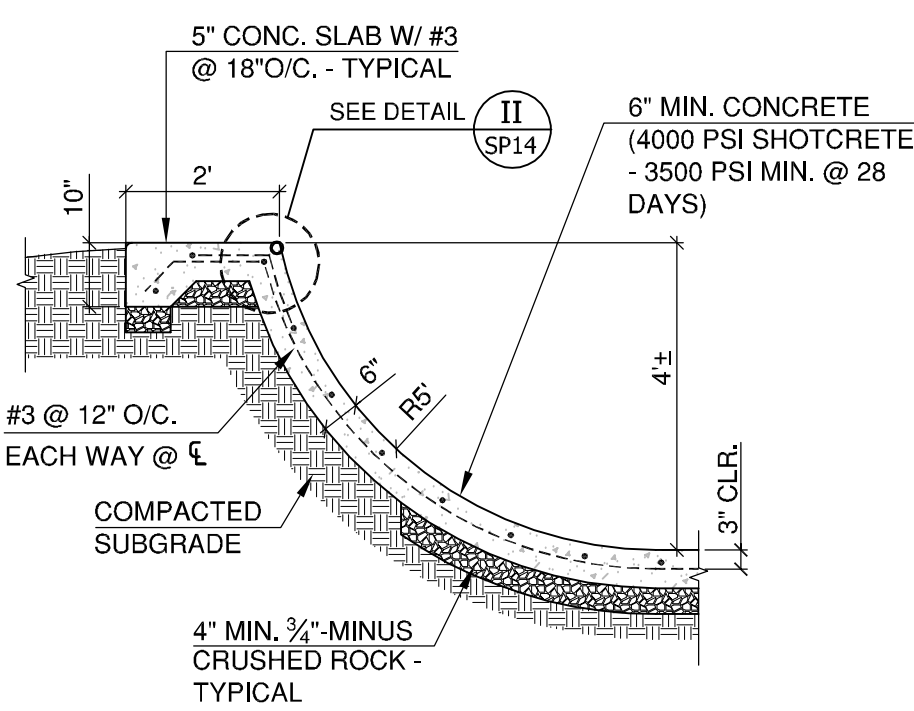
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SP9
OF 23
100% CD SET



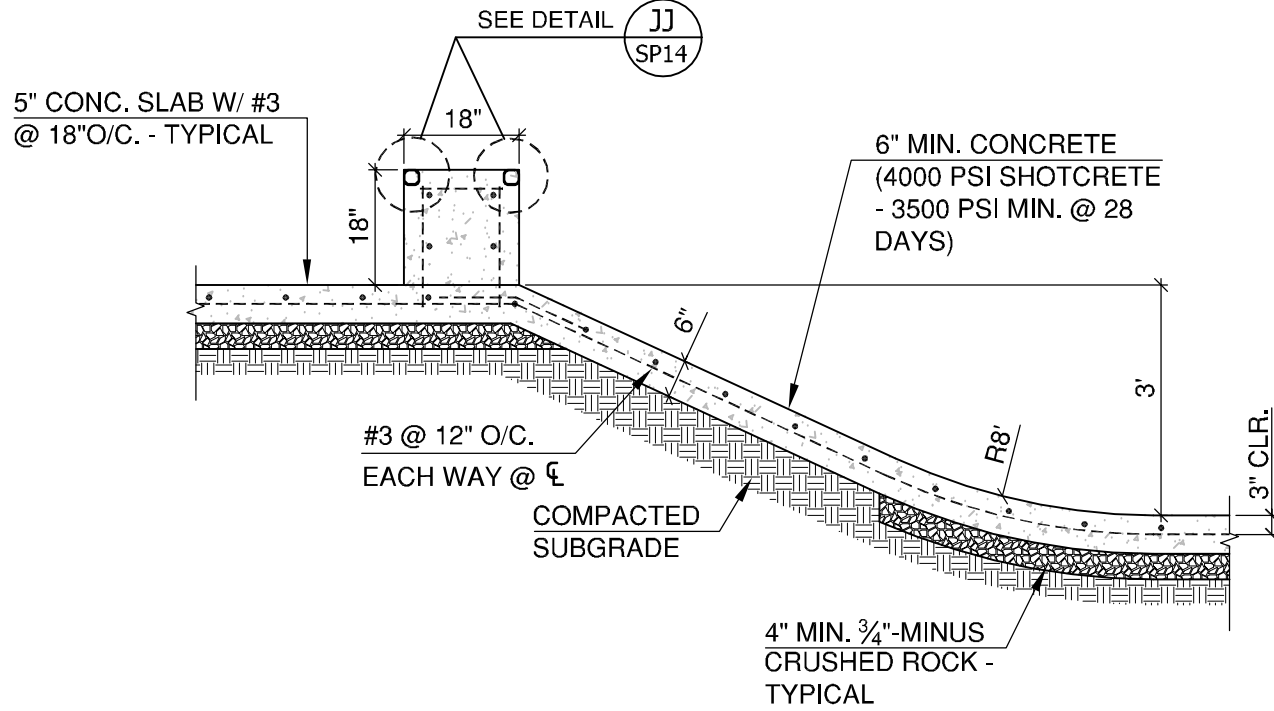


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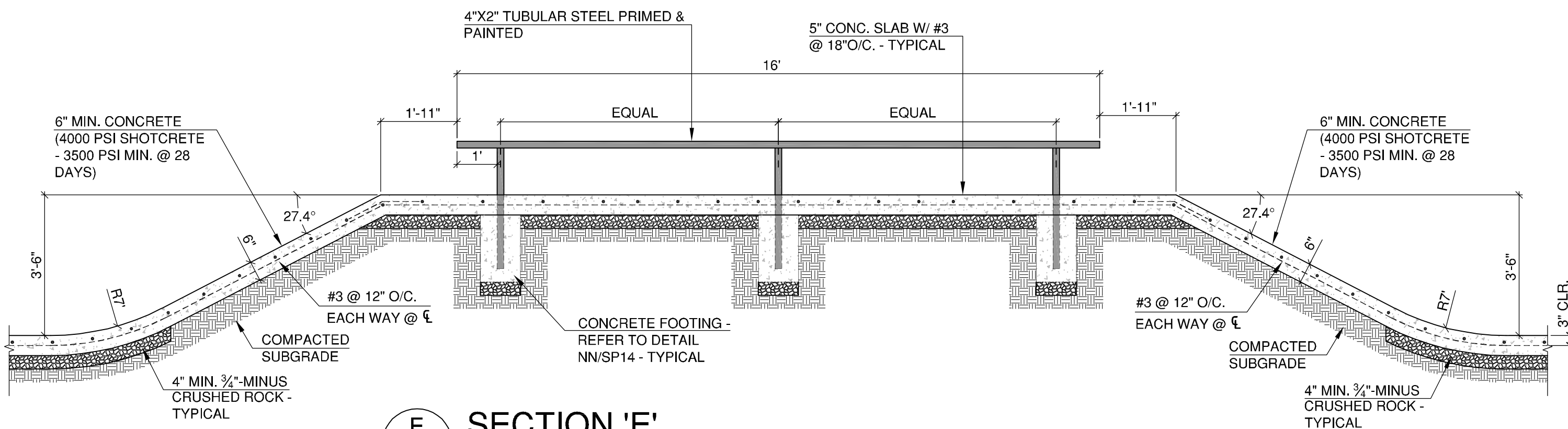
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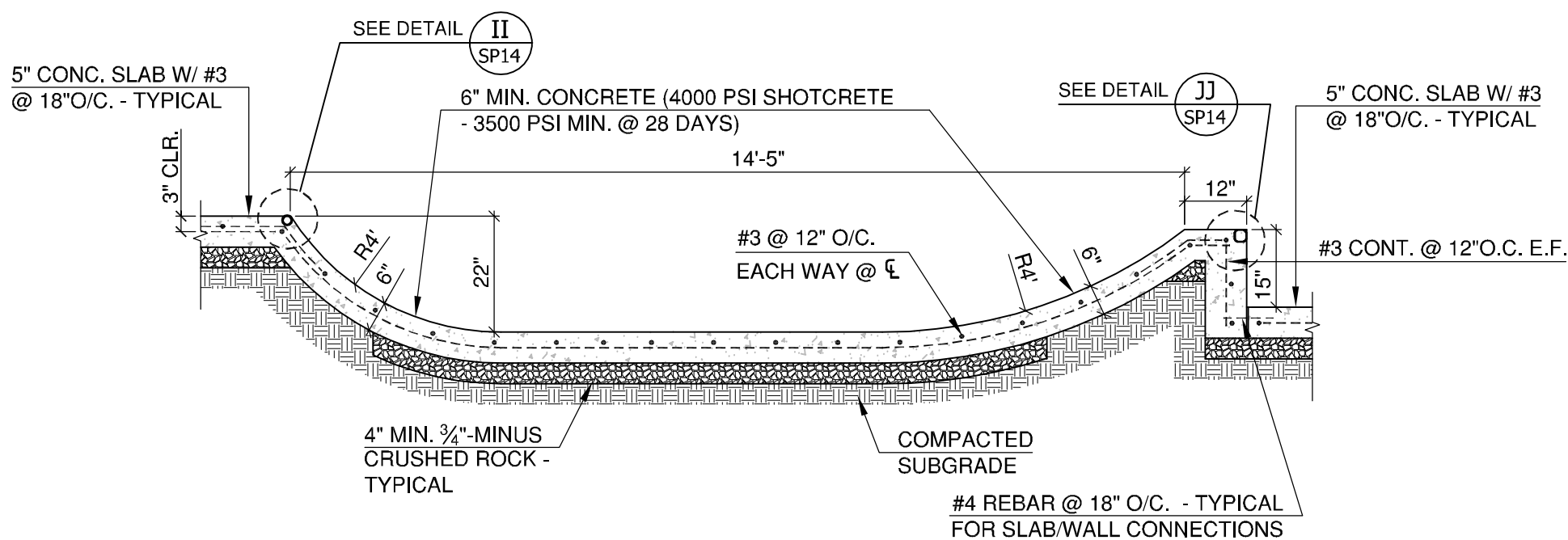
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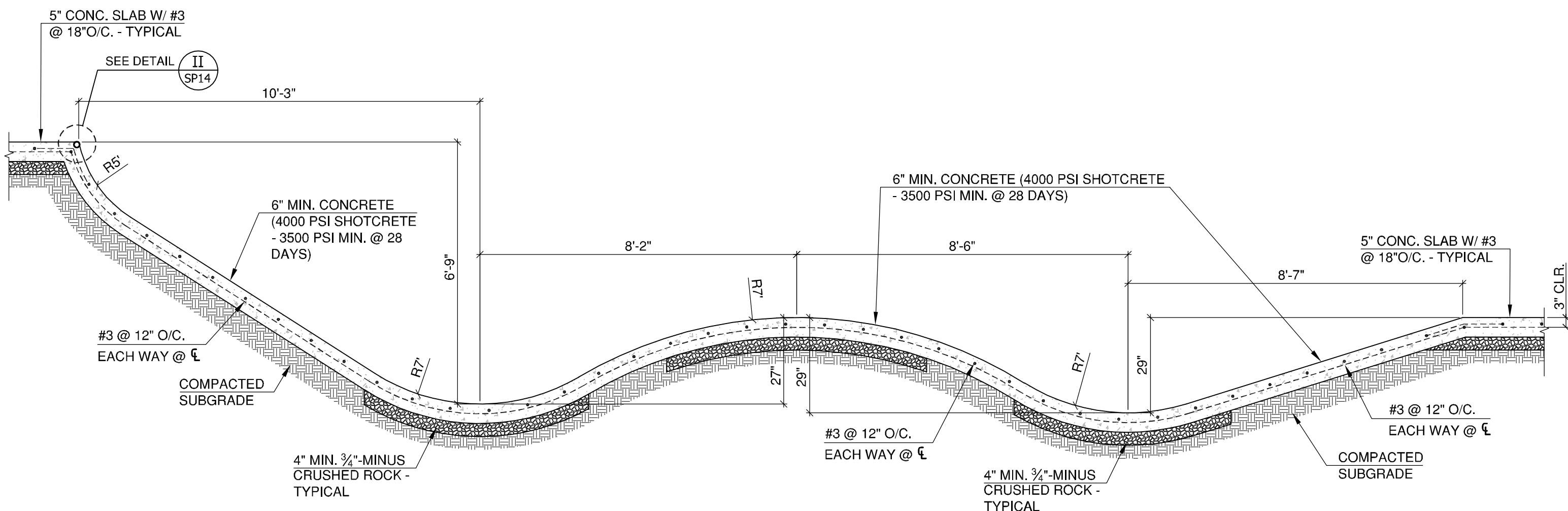
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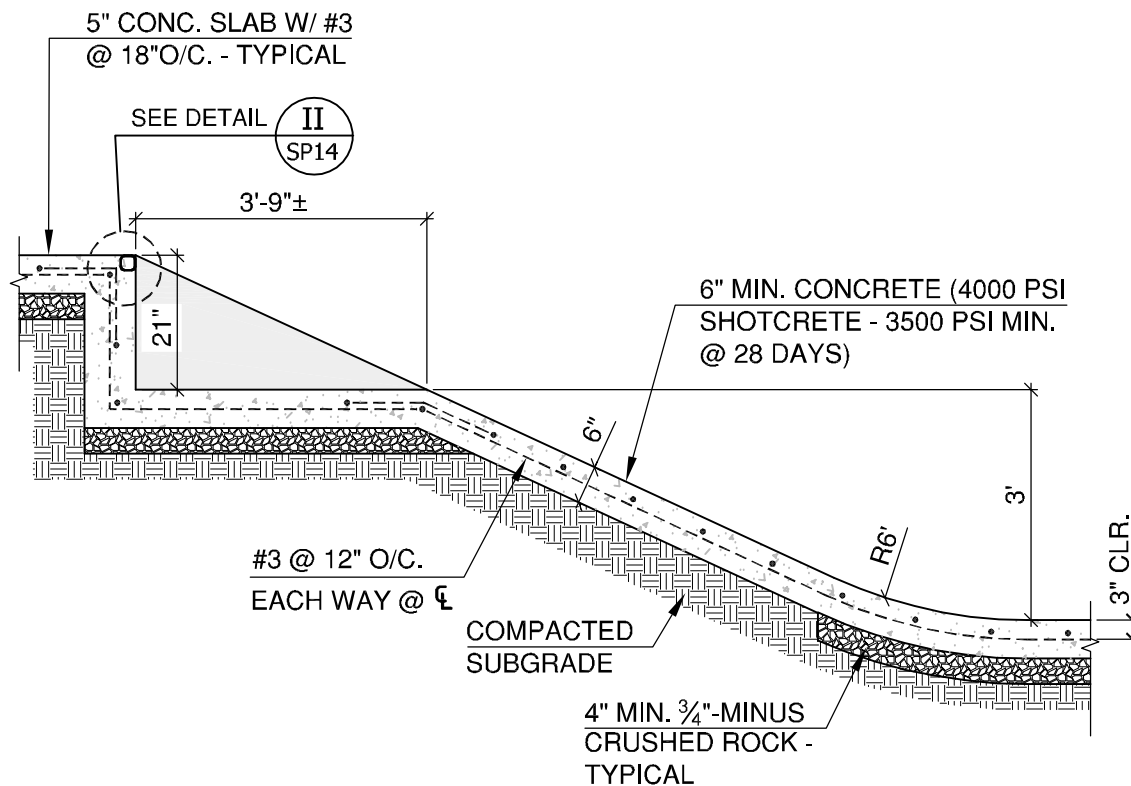
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SP11 N.T.S.



F SECTION 'F'
SP11 N.T.S.



G SECTION 'G'
SP11 N.T.S.



H SECTION 'H'
SP11 N.T.S.

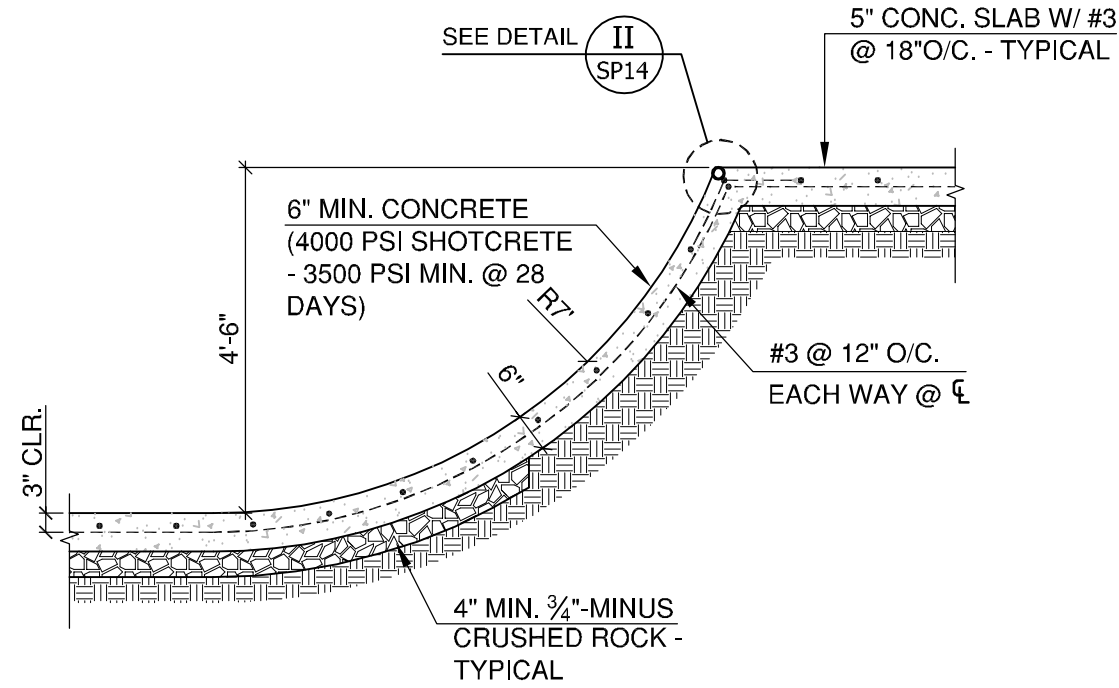


REVISIONS		
REV.	DATE	DESCRIPTION
1	12/19/2018	Addendum No. 2

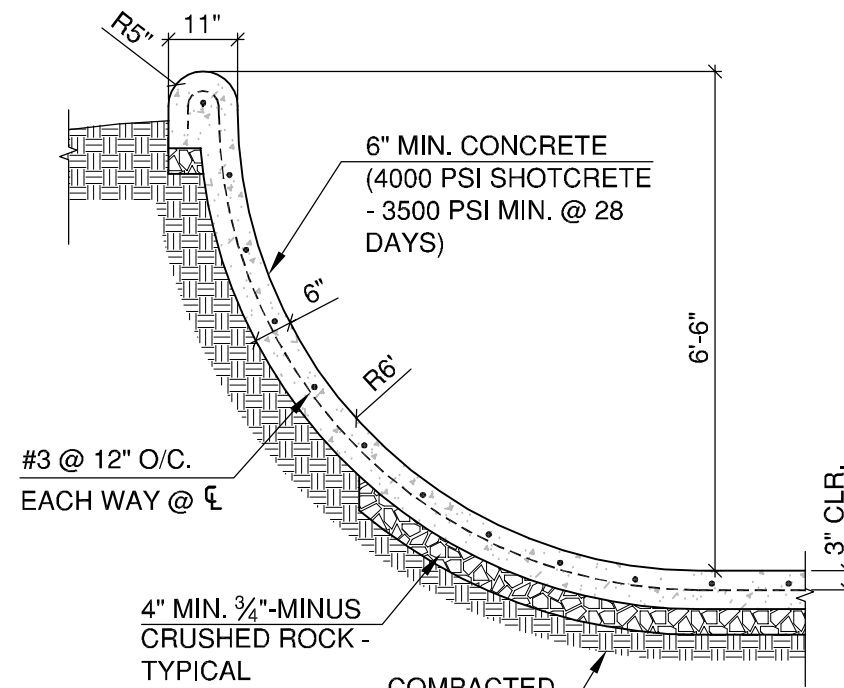
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SKATEPARK
DETAILS & NOTES

DRAWN BY: TAM
CHECKED BY: TAM
ISSUE DATE: 11/18/2018
JOB NO.: 1707

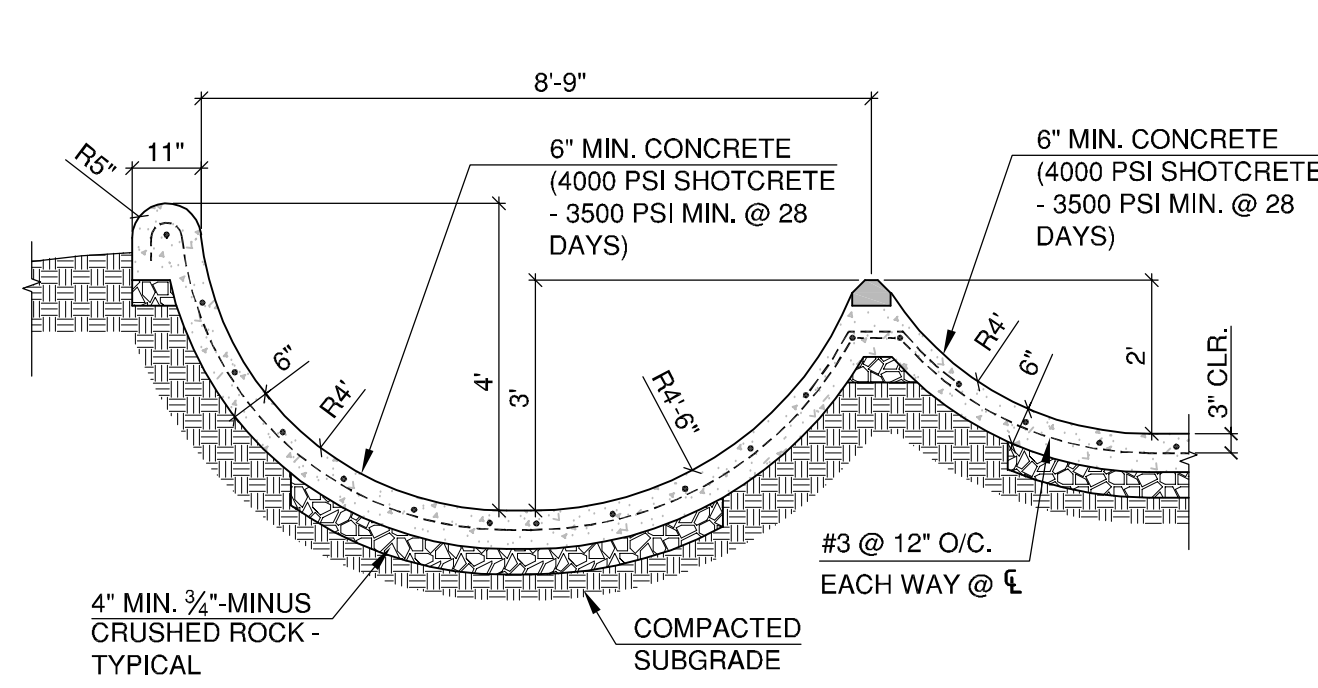
SHEET:
SP11
OF 23
100% CD SET



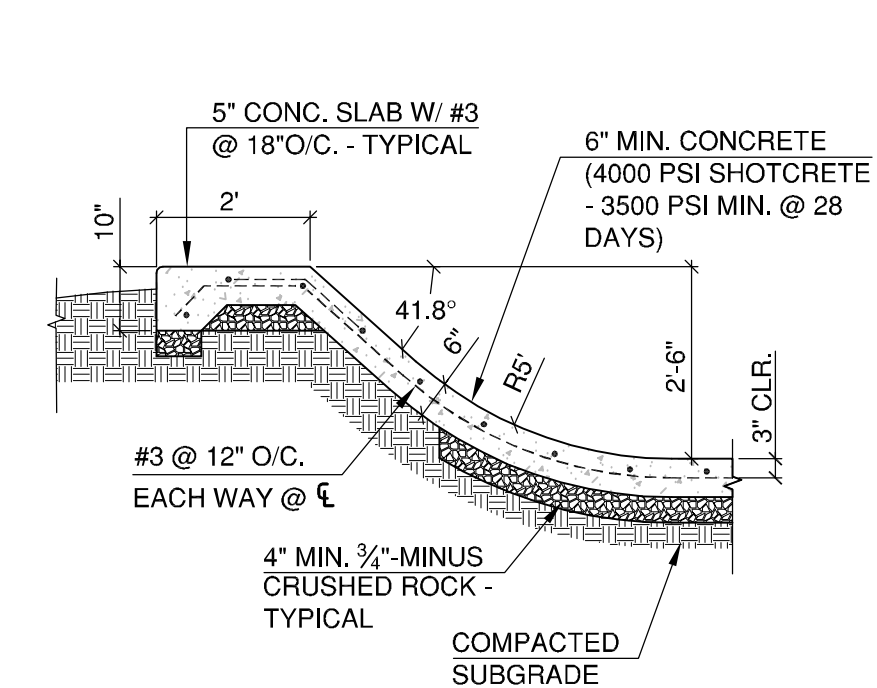
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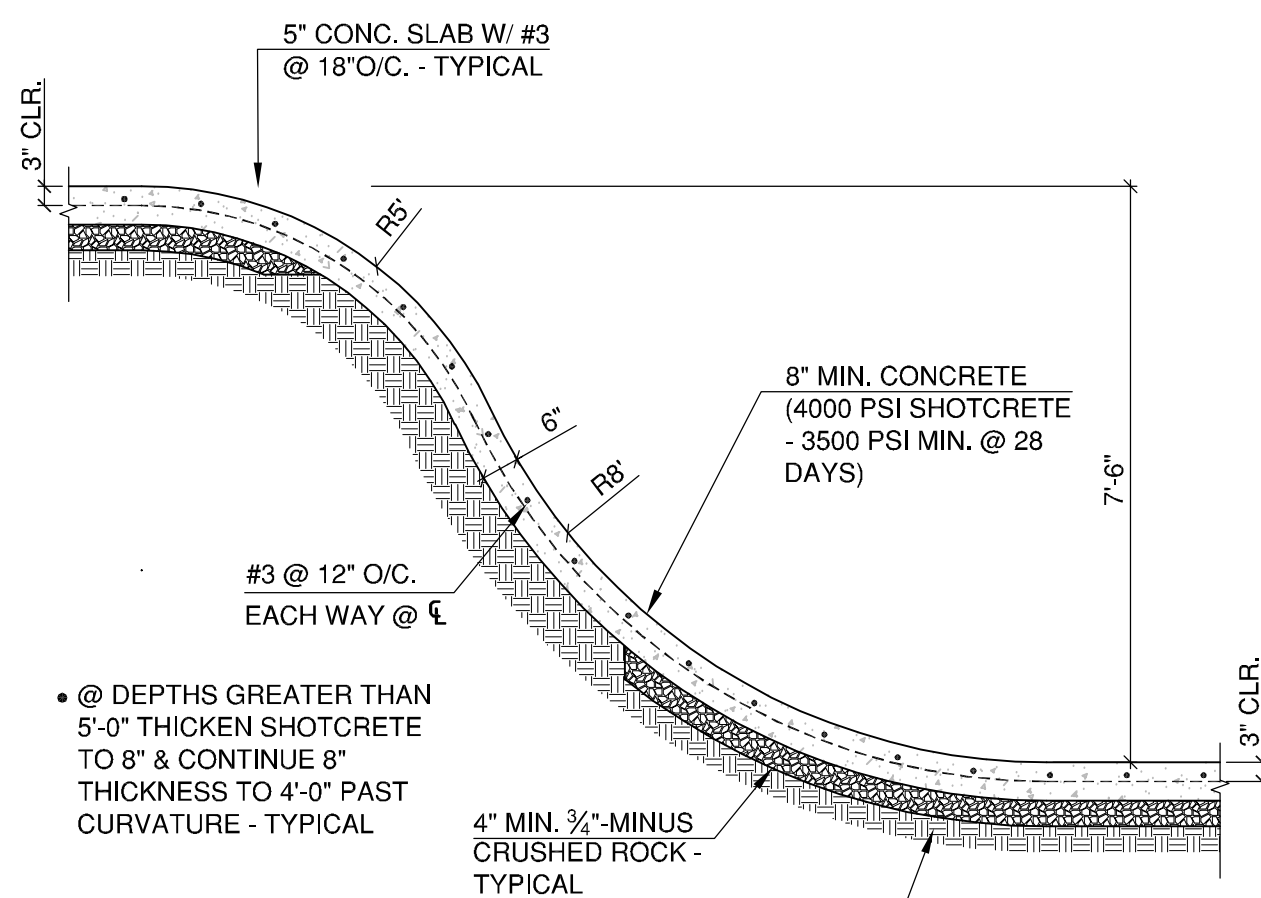
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SP12 N.T.S.



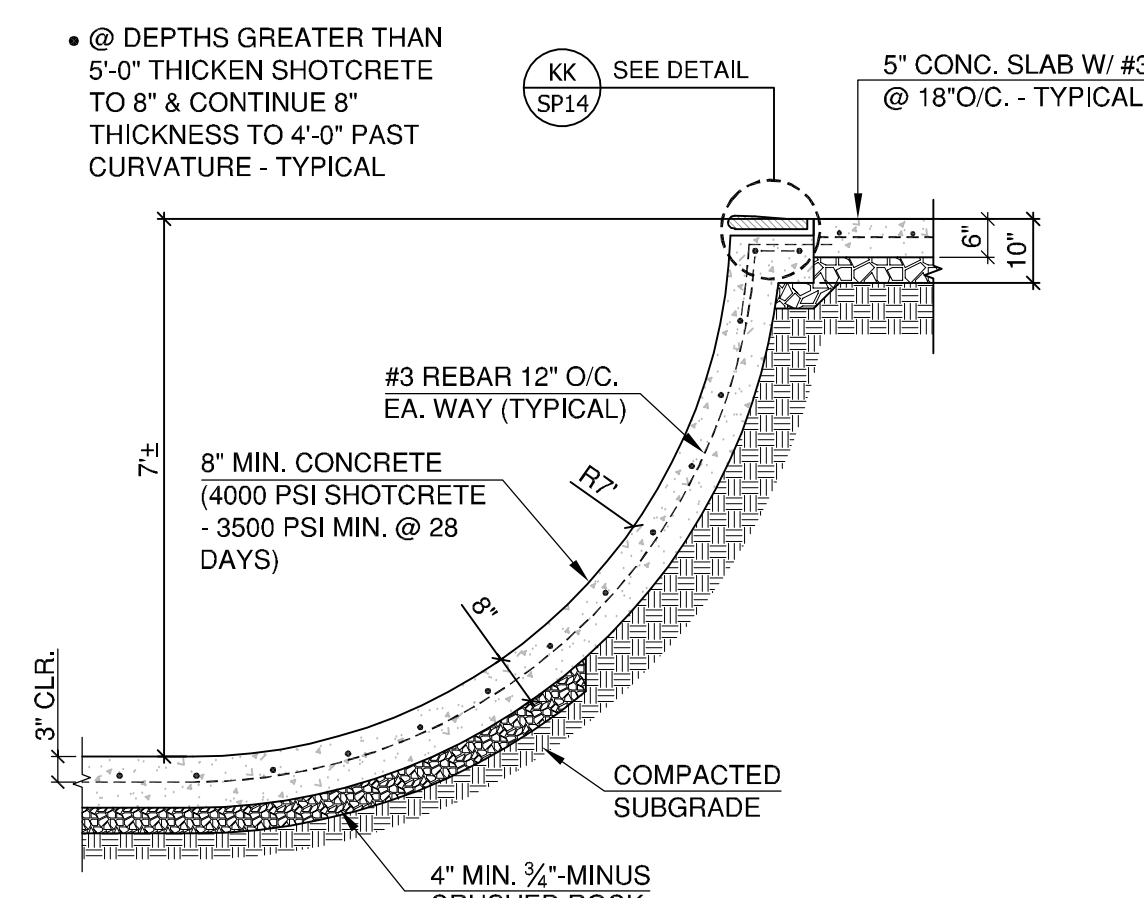
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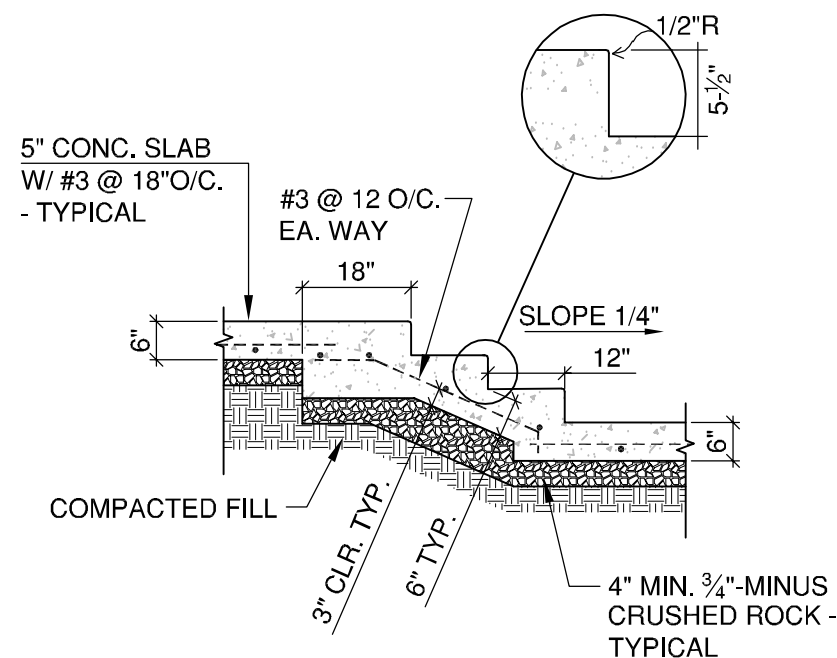
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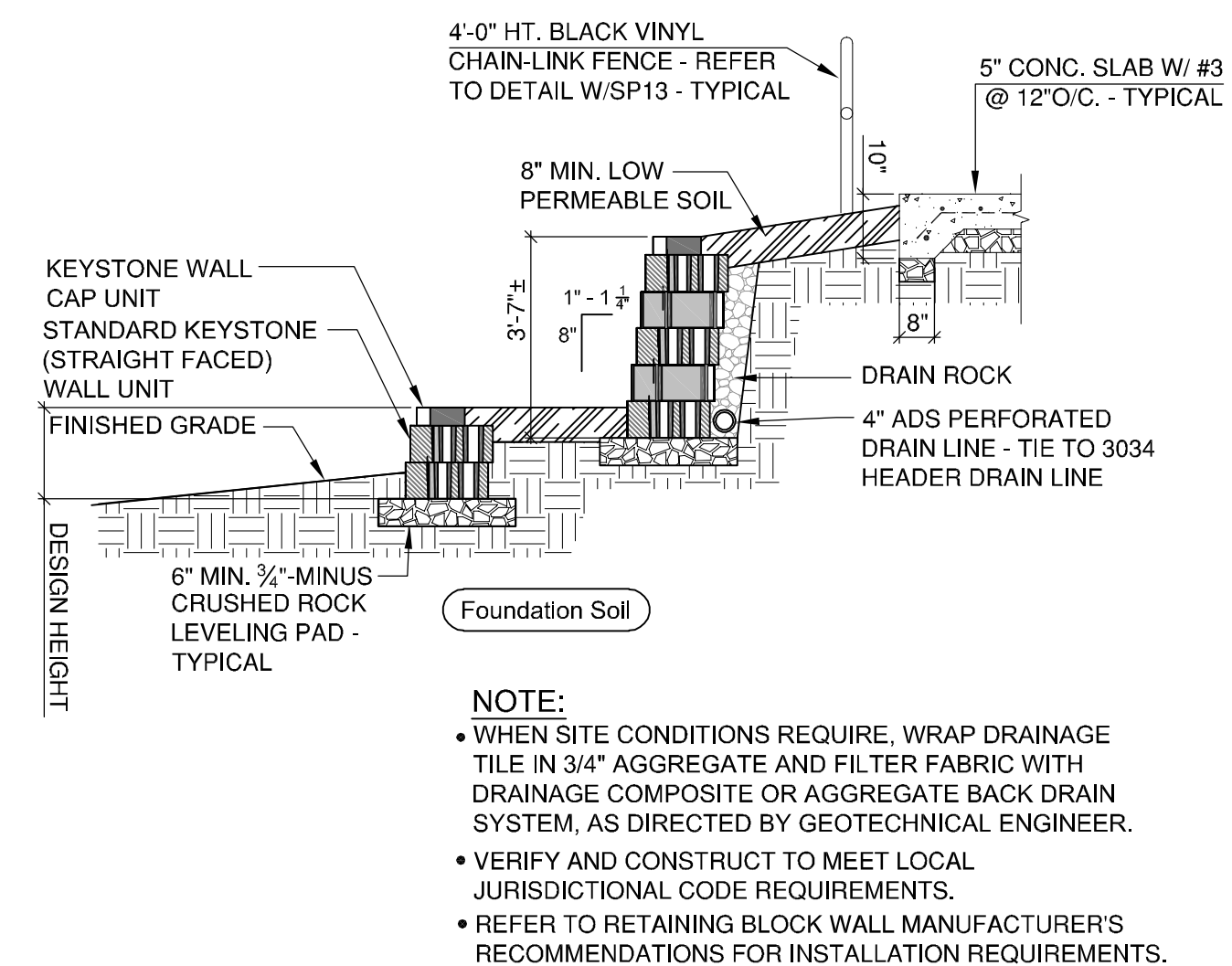
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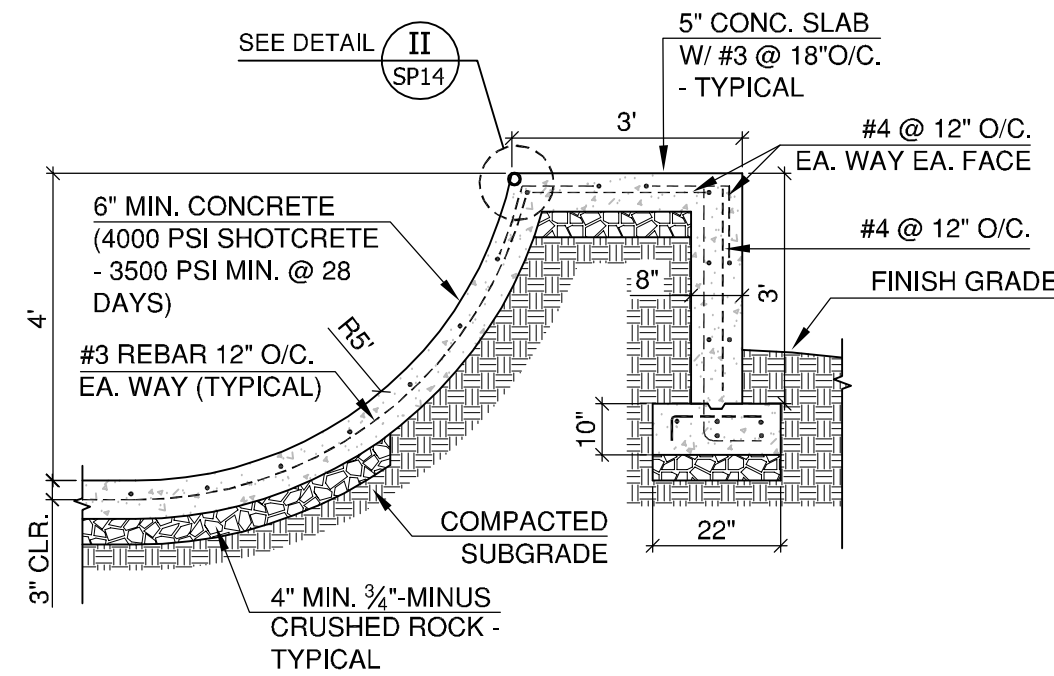
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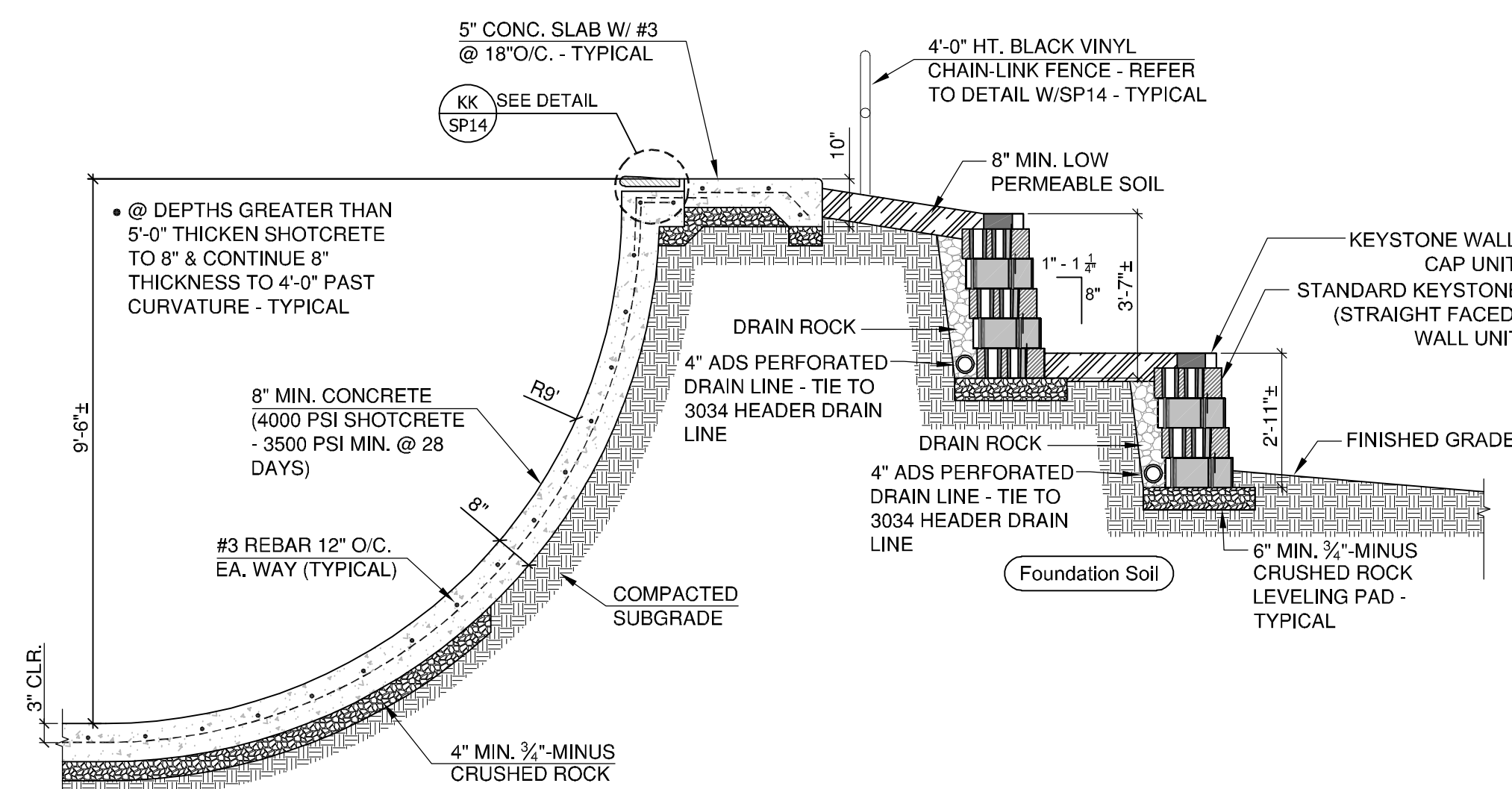
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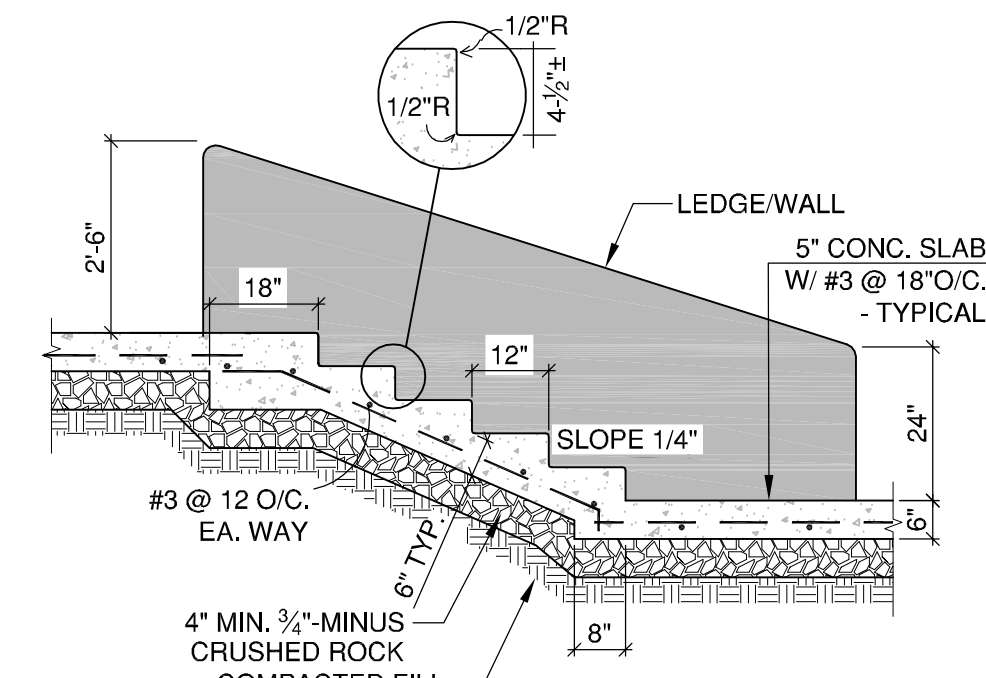
P SECTION 'P'
SP12 N.T.S.



Q SECTION 'Q'
SP12 N.T.S.



R SECTION 'R'
SP12 N.T.S.



S SECTION 'S'
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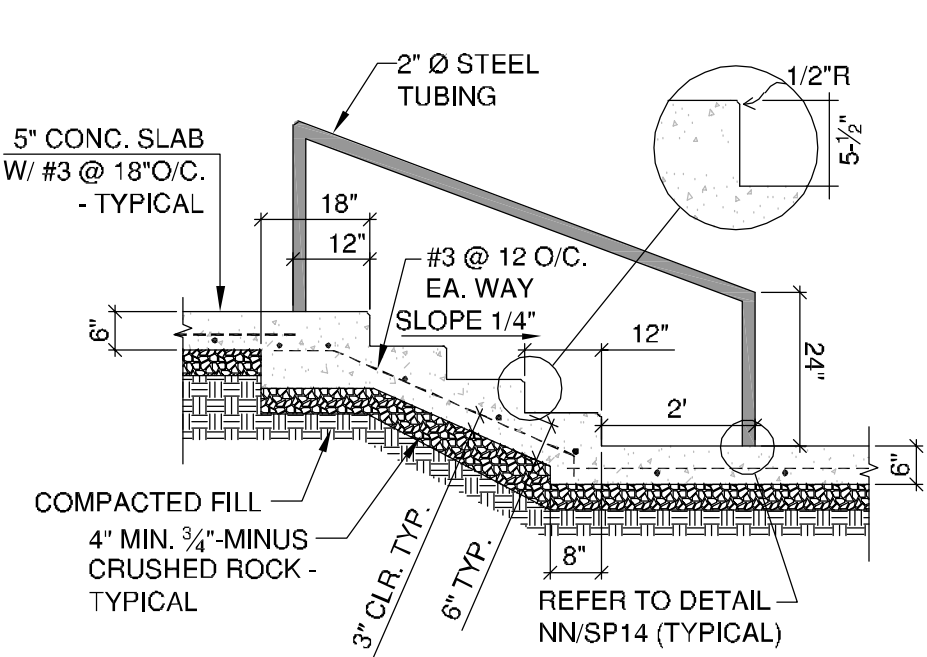


REV.	DATE	DESCRIPTION
1	12/19/2018	Addendum No. 2

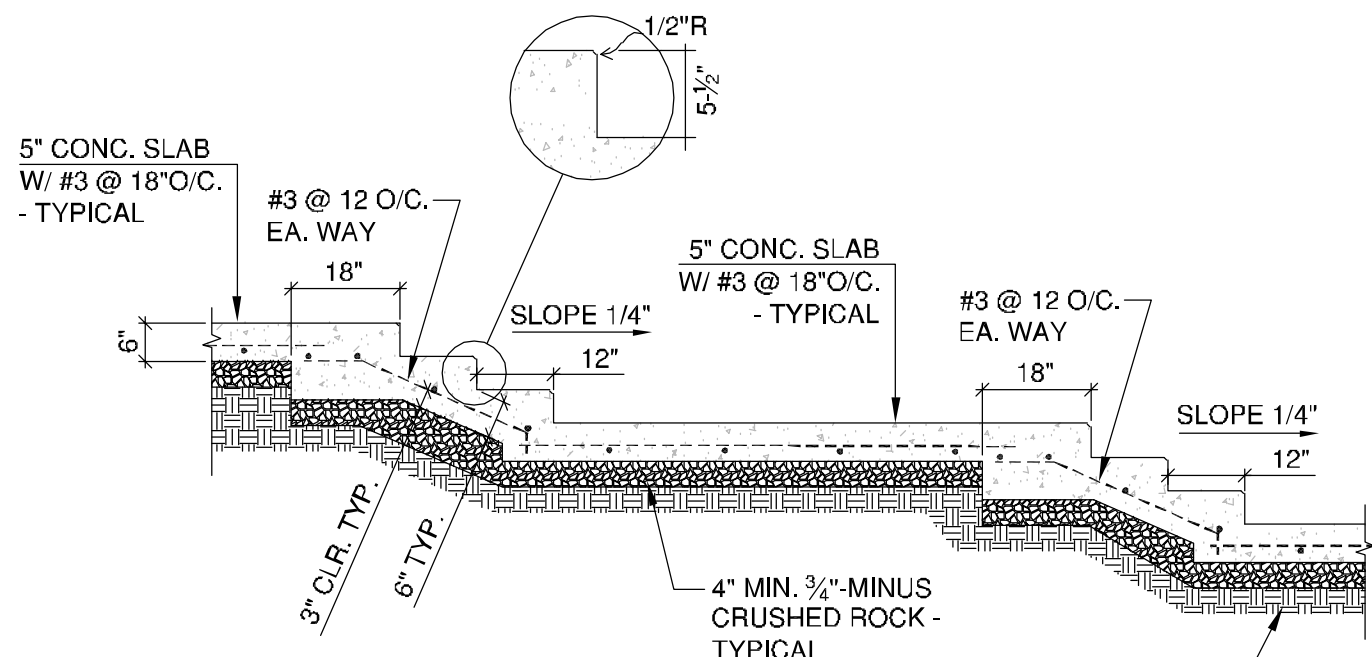
SHEET NAME:
**SKATEPARK
DETAILS & NOTES**

DRAWN BY: TAM
CHECKED BY: TAM
ISSUE DATE: 11/18/2018
JOB NO.: 1707

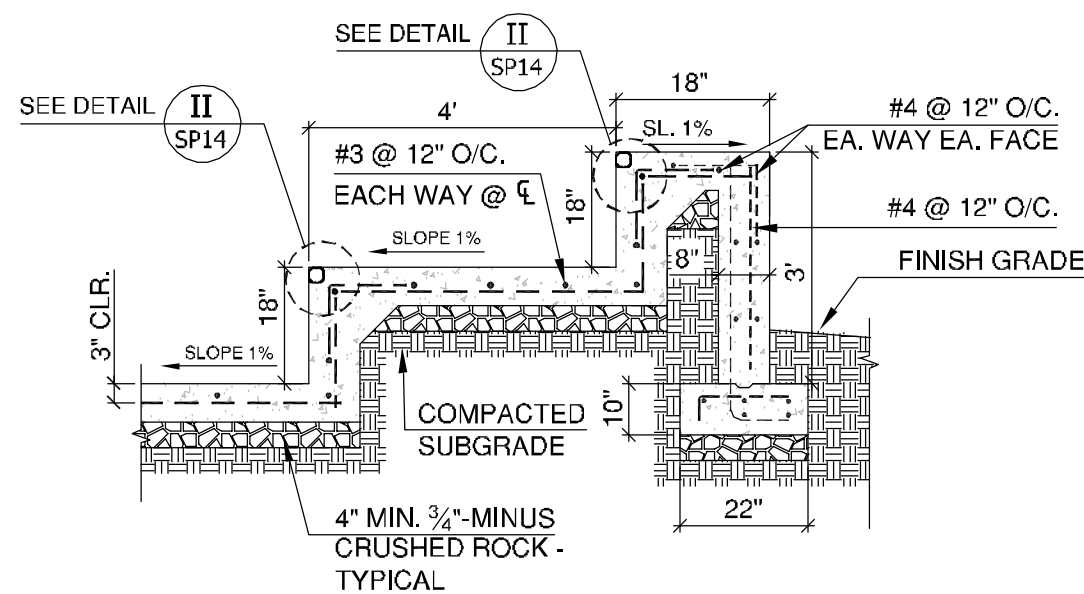
SHEET:
SP12
OF 23
100% CD SET



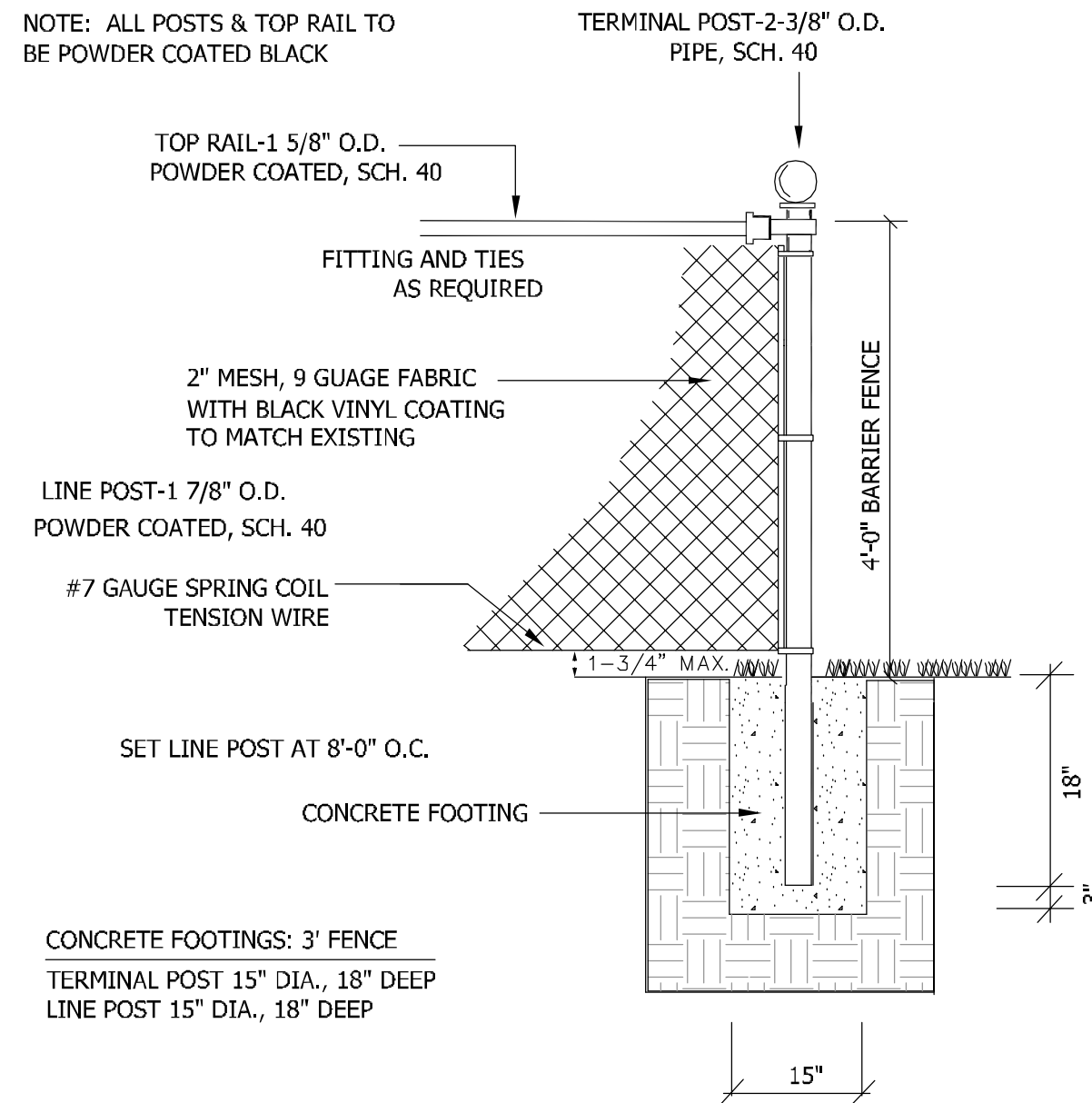
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SP13 SECTION 'T'
N.T.S.



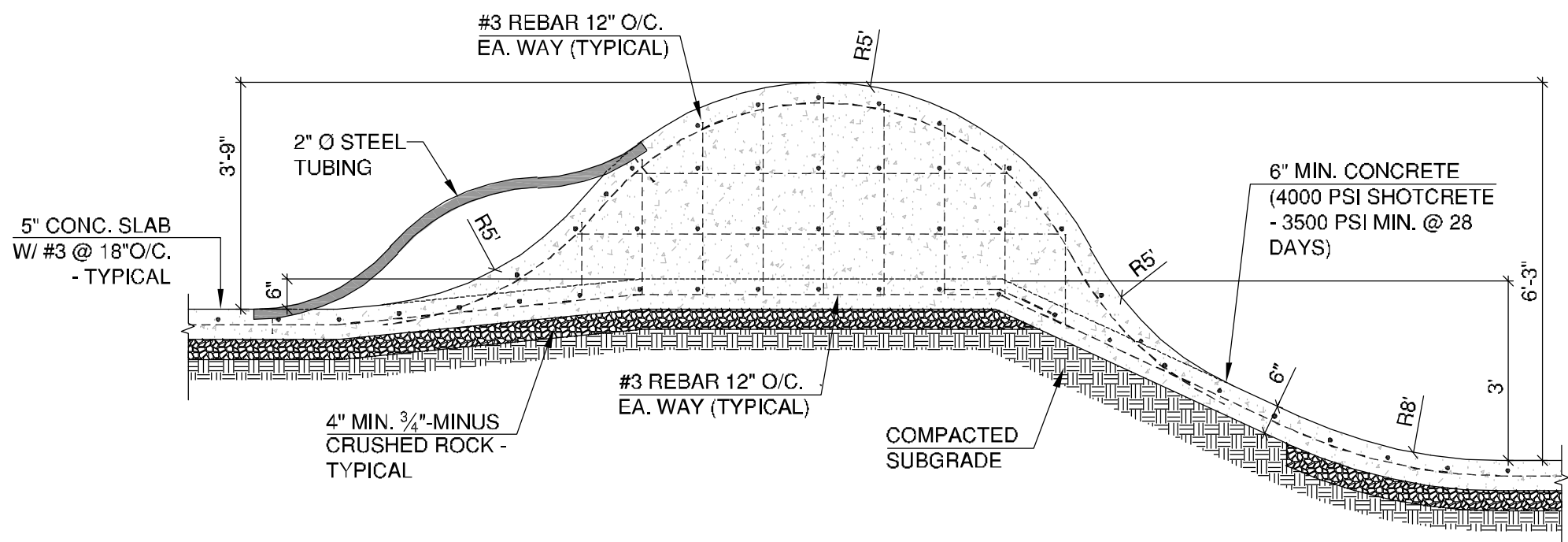
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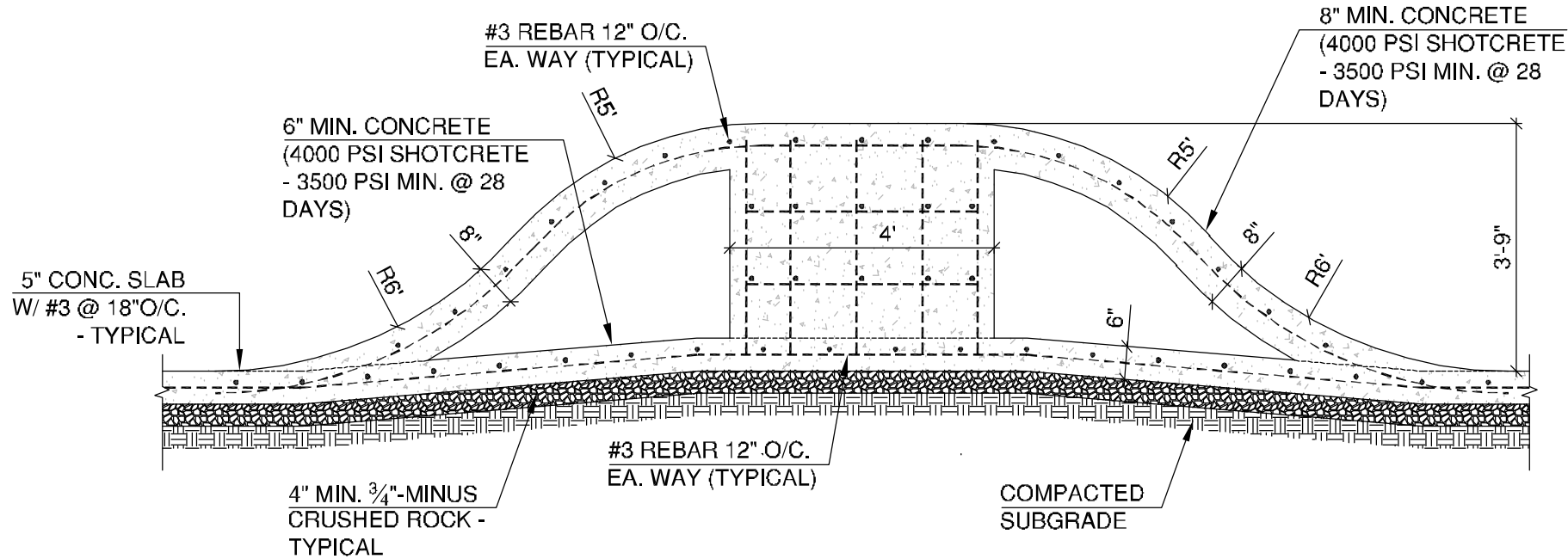
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SP13 SEATING LEDGE (SECTION 'V')
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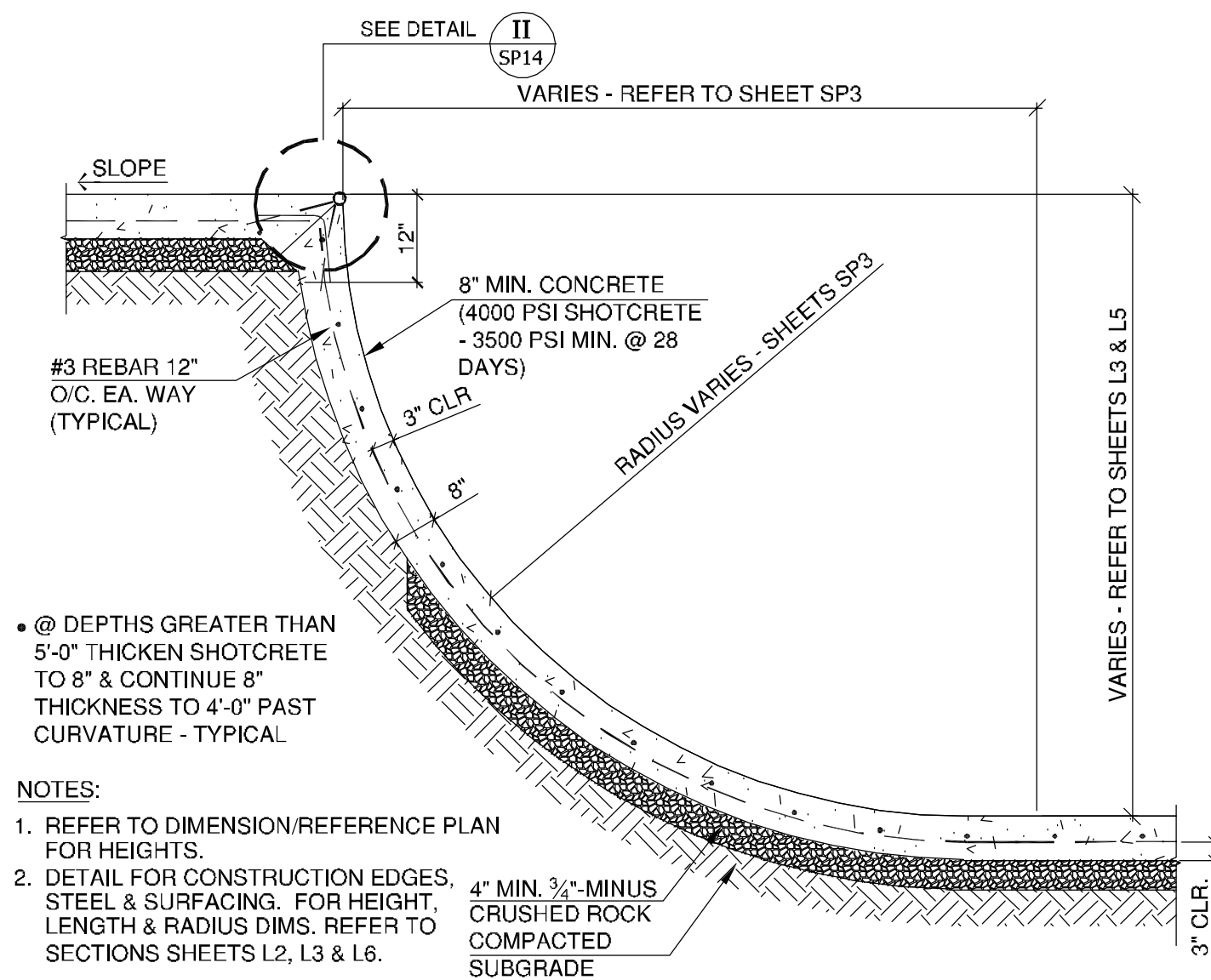
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SP13 SKATEPARK PERIMETER FENCE DETAIL
N.T.S.



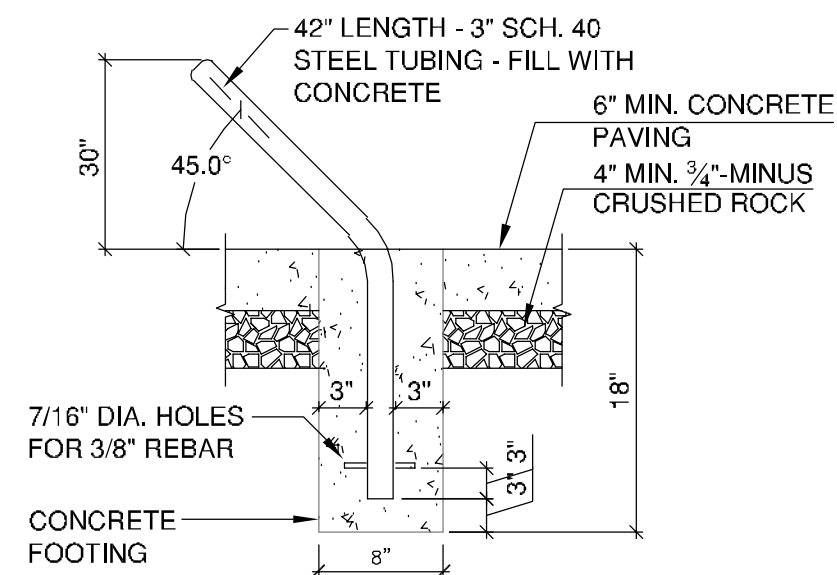
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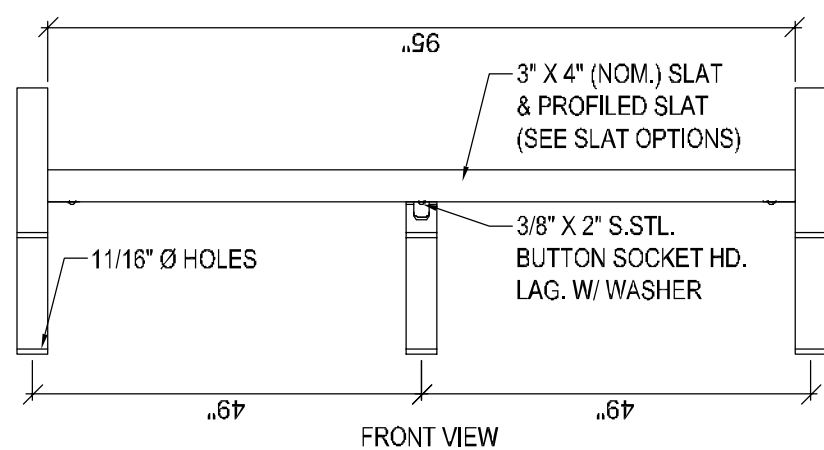
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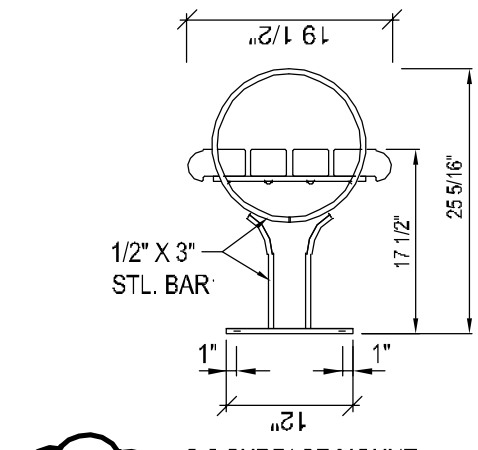
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N.T.S.



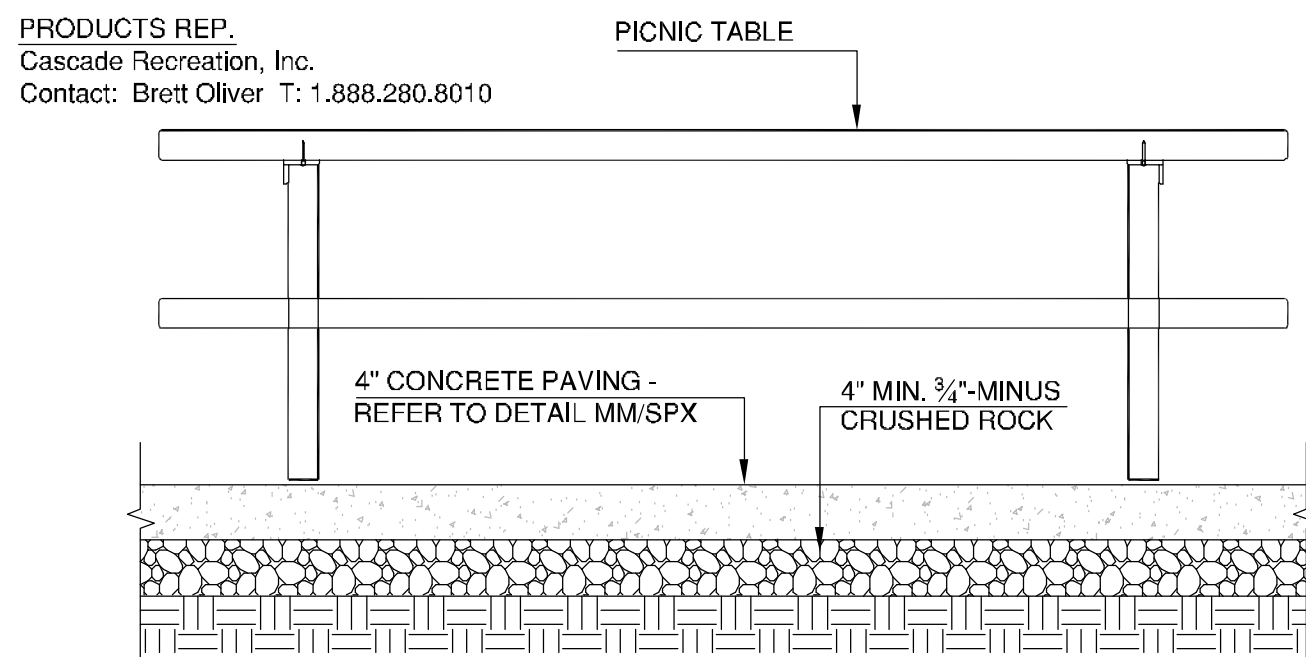
AA
SP13 POLE JAM DETAIL
N.T.S.



BB
SP13 PARK BENCH DETAIL
N.T.S.



CC
SP13 PARK PICNIC TABLE DETAIL
N.T.S.



CC
SP13 PARK PICNIC TABLE DETAIL
N.T.S.

NOT USED

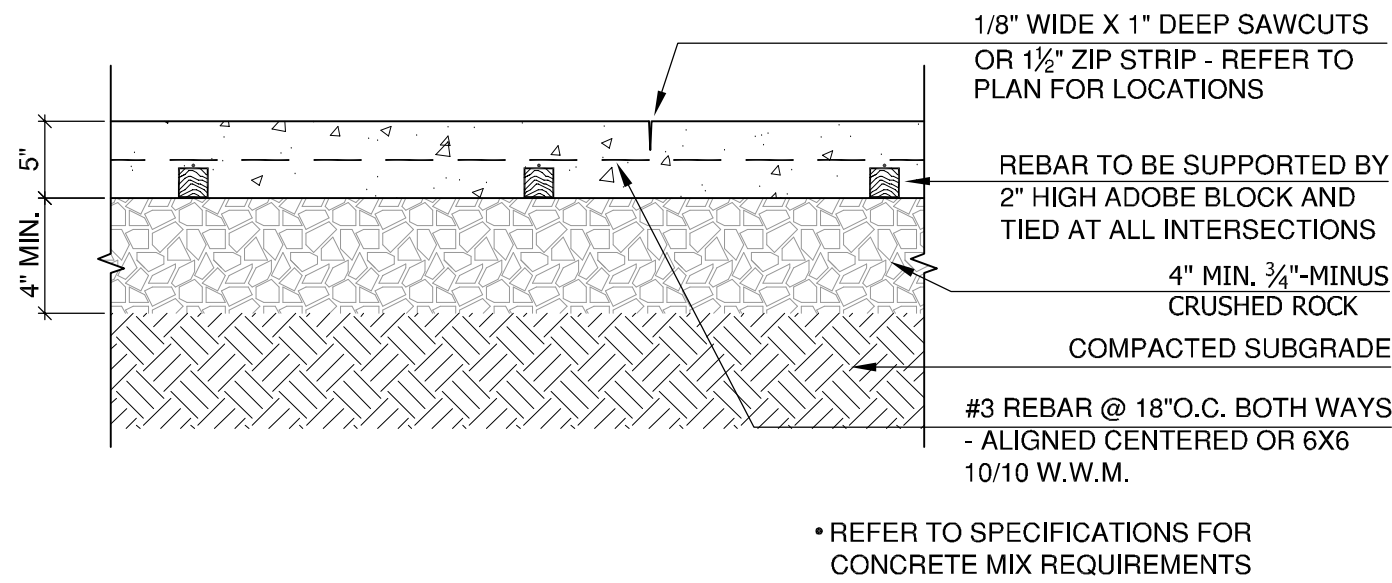


REV.	DATE	DESCRIPTION
1	12/19/2019	Addendum No. 2

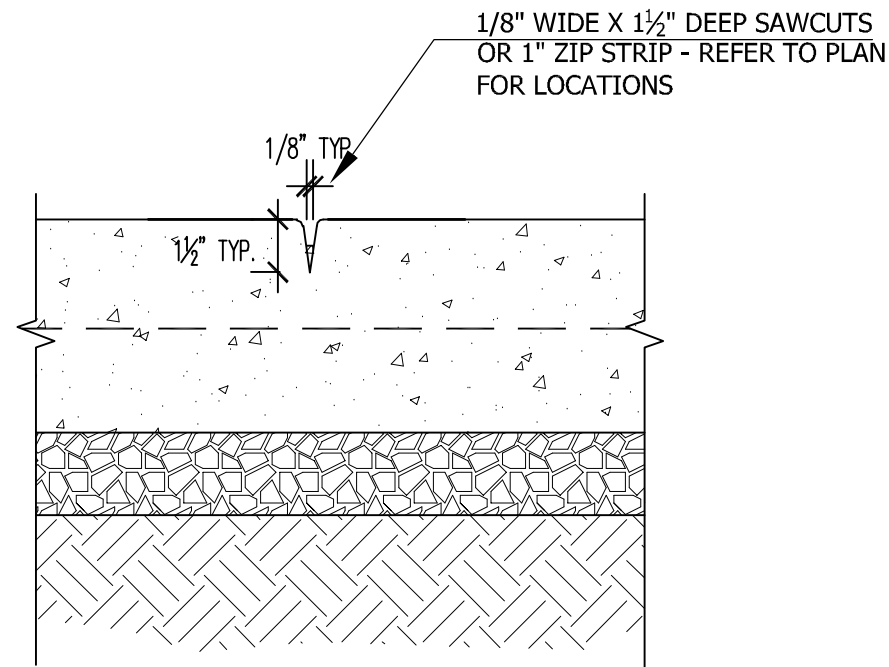
SHEET NAME:
SKATEPARK
DETAILS & NOTES

DRAWN BY: T.A.M.
CHECKED BY: T.A.M.
ISSUE DATE: 11/16/2019
JOB NO.: 1707

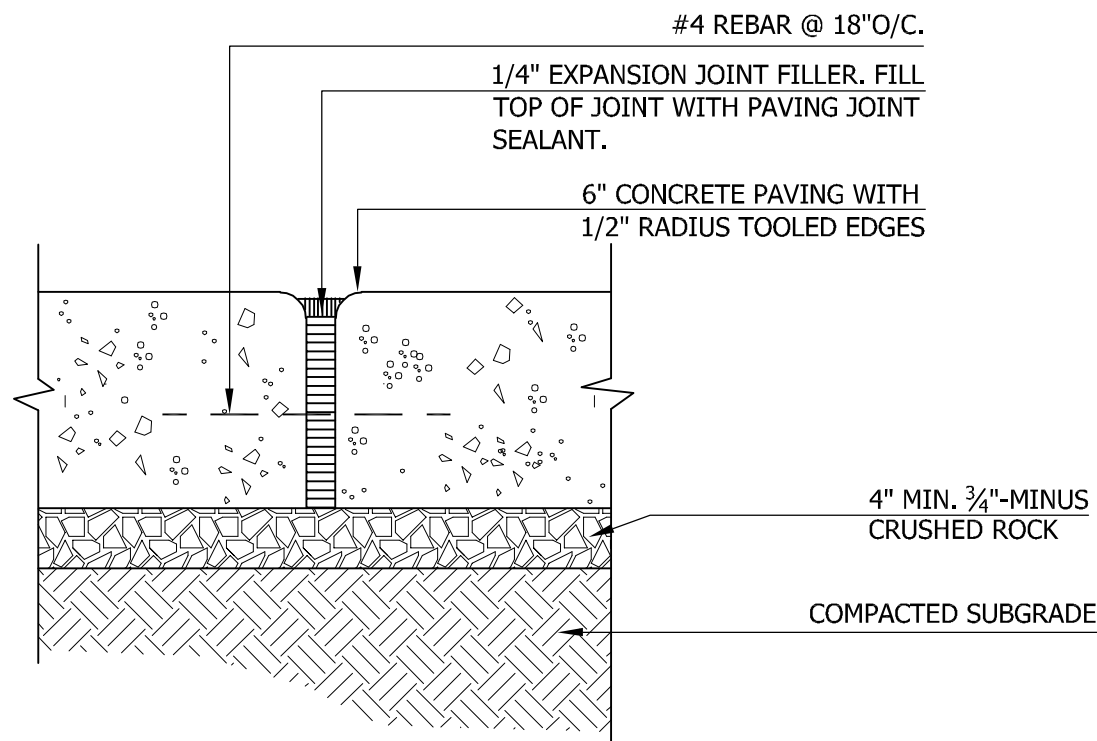
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OF 23
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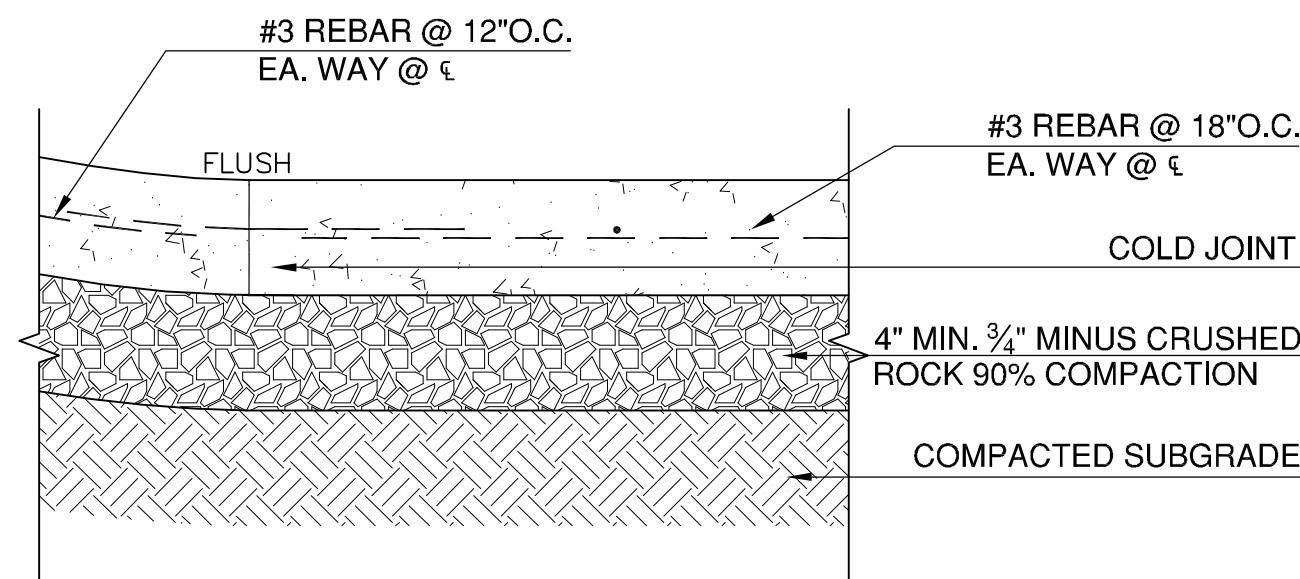
EE SP14 5" CONCRETE PAVING DETAIL N.T.S.



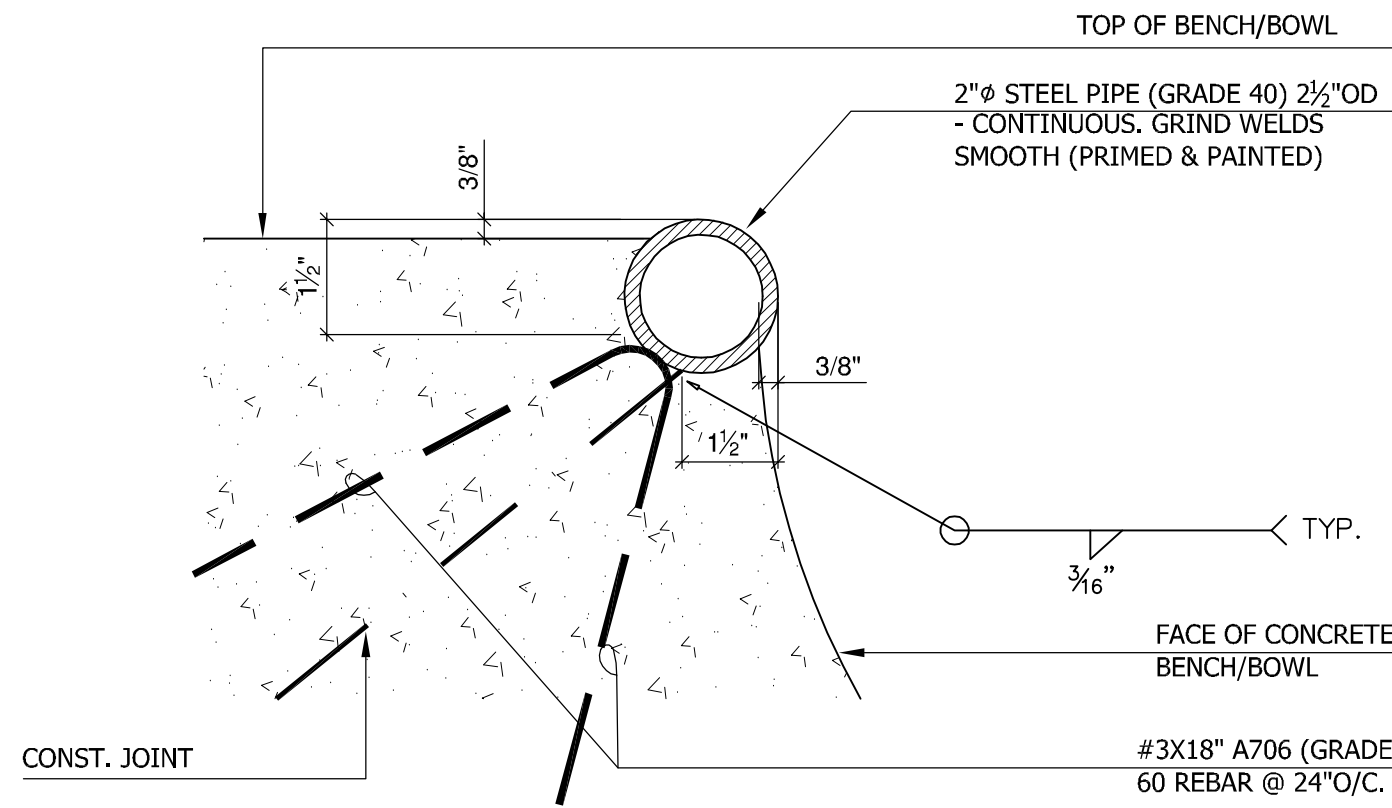
FF SP14 CONTROL JOINT, TYP. (CJ) N.T.S.



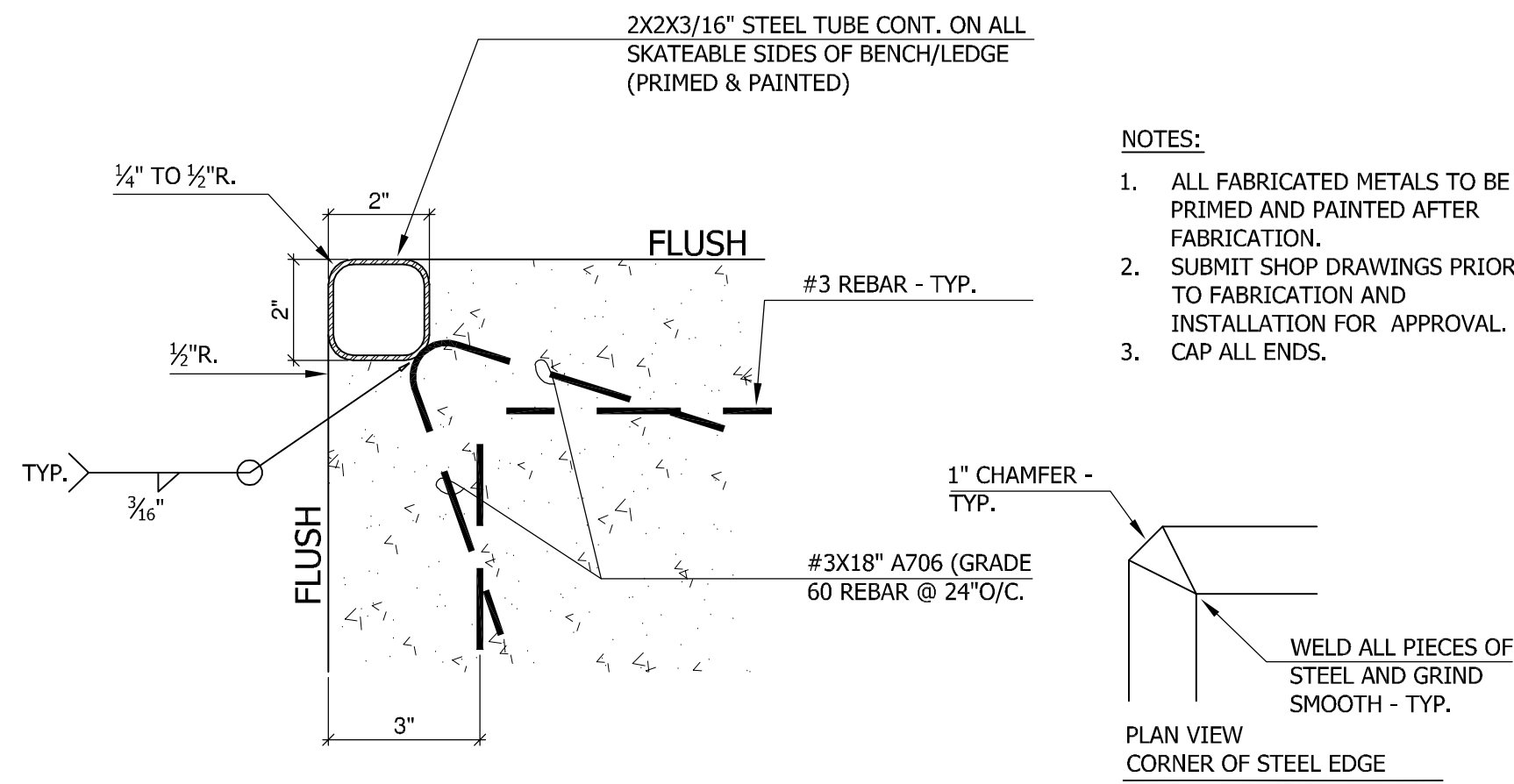
GG SP14 EXPANSION JOINT, (EJ) N.T.S.



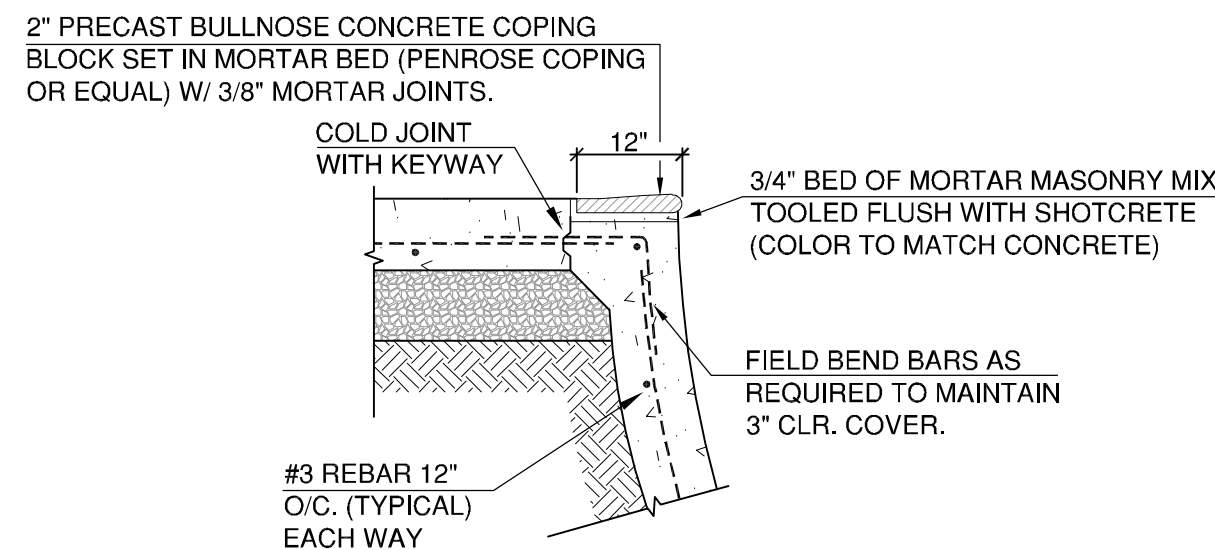
HH SP14 TOE CONNECTION DETAIL N.T.S.



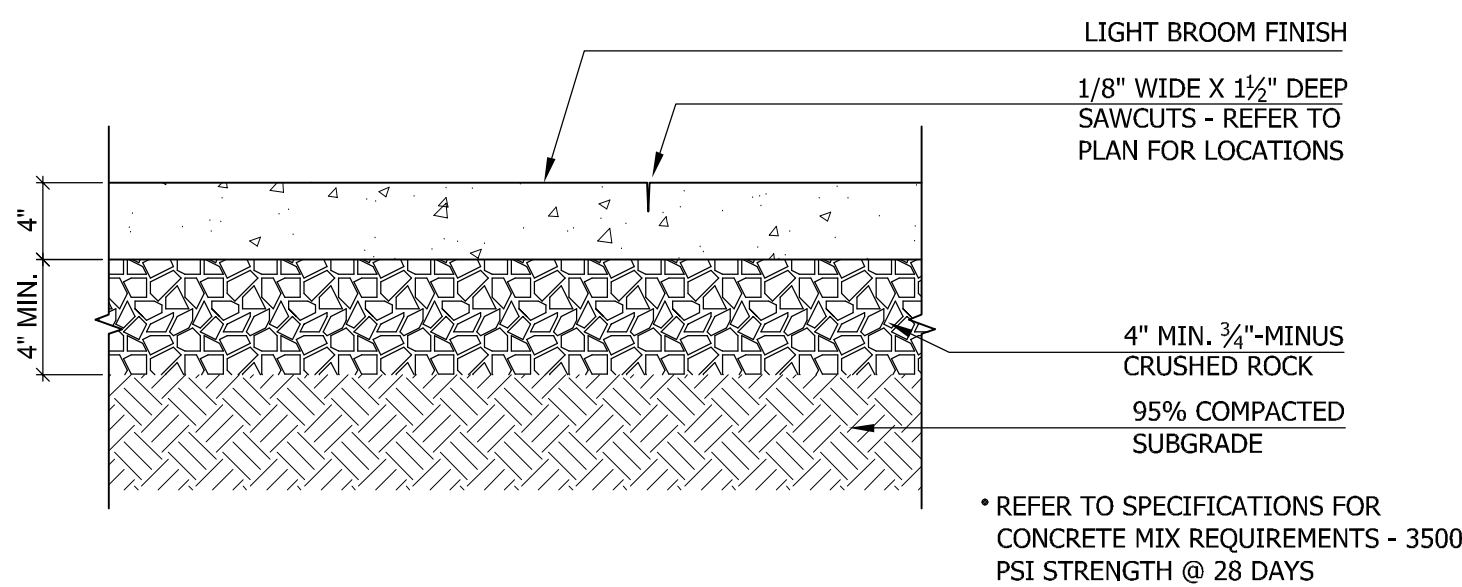
II SP14 STEEL COPING DETAIL N.T.S.



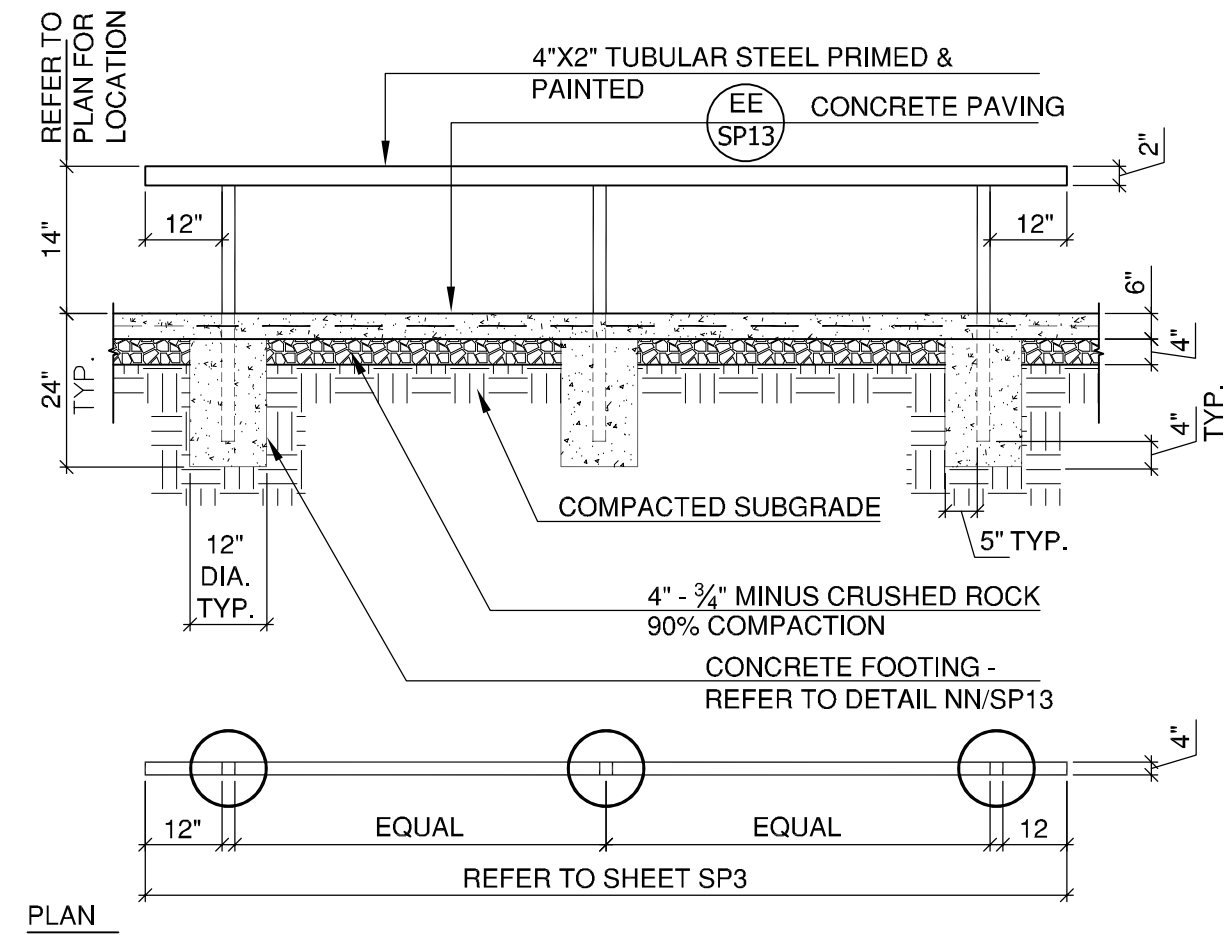
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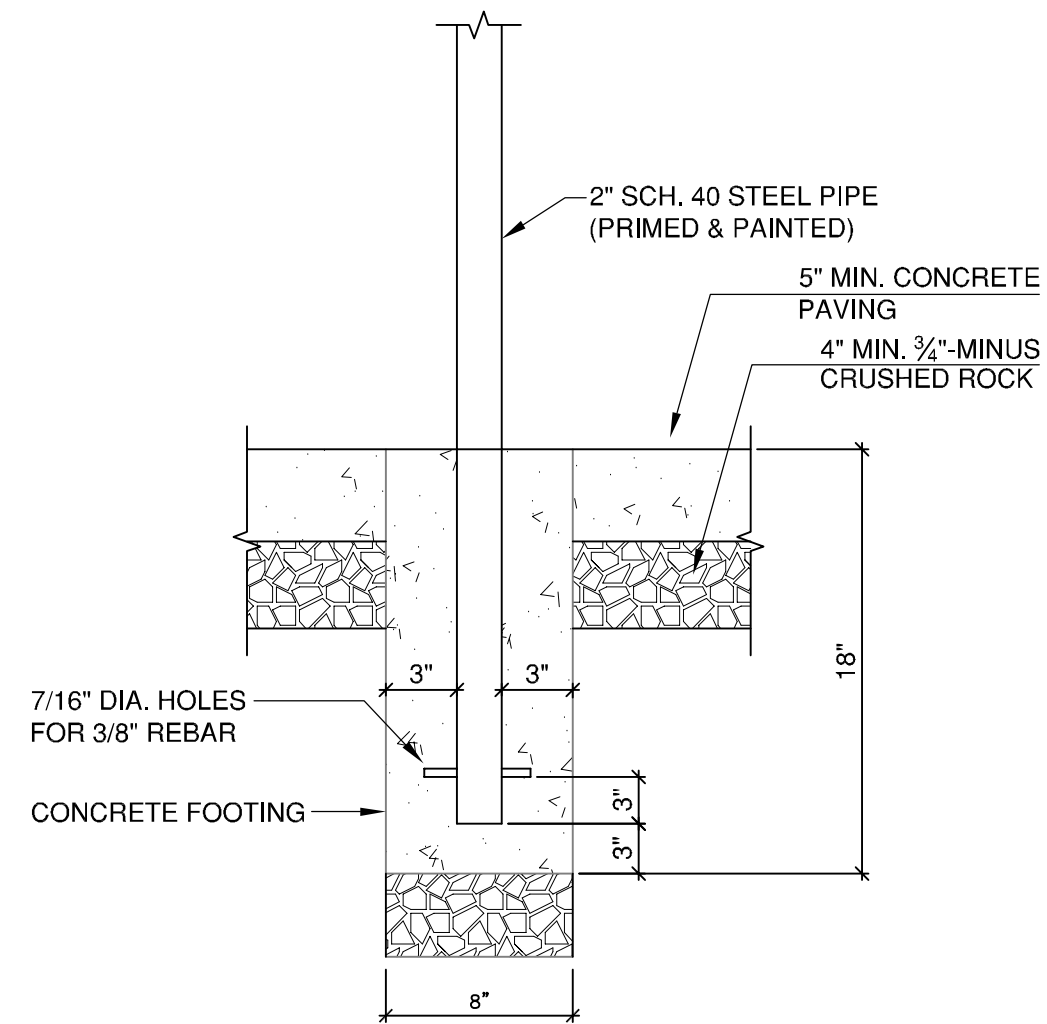
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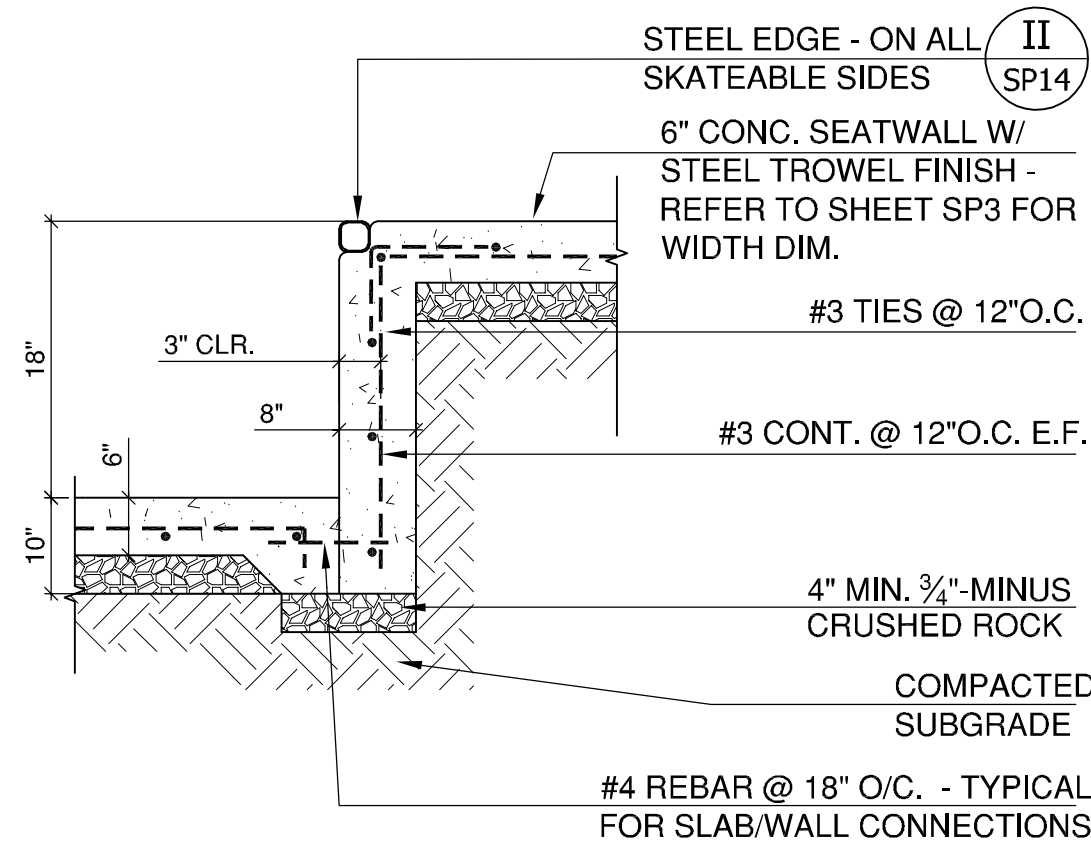
LL SP14 4" CONCRETE PAVING DETAIL N.T.S.
• SIDEWALK CONCRETE AND LAYOUT TO MEET
CITY OF SHERWOOD STANDARDS.



MM SP14 FLAT RAIL DETAIL N.T.S.



NN SP14 RAILING EMBEDMENT DETAIL N.T.S.



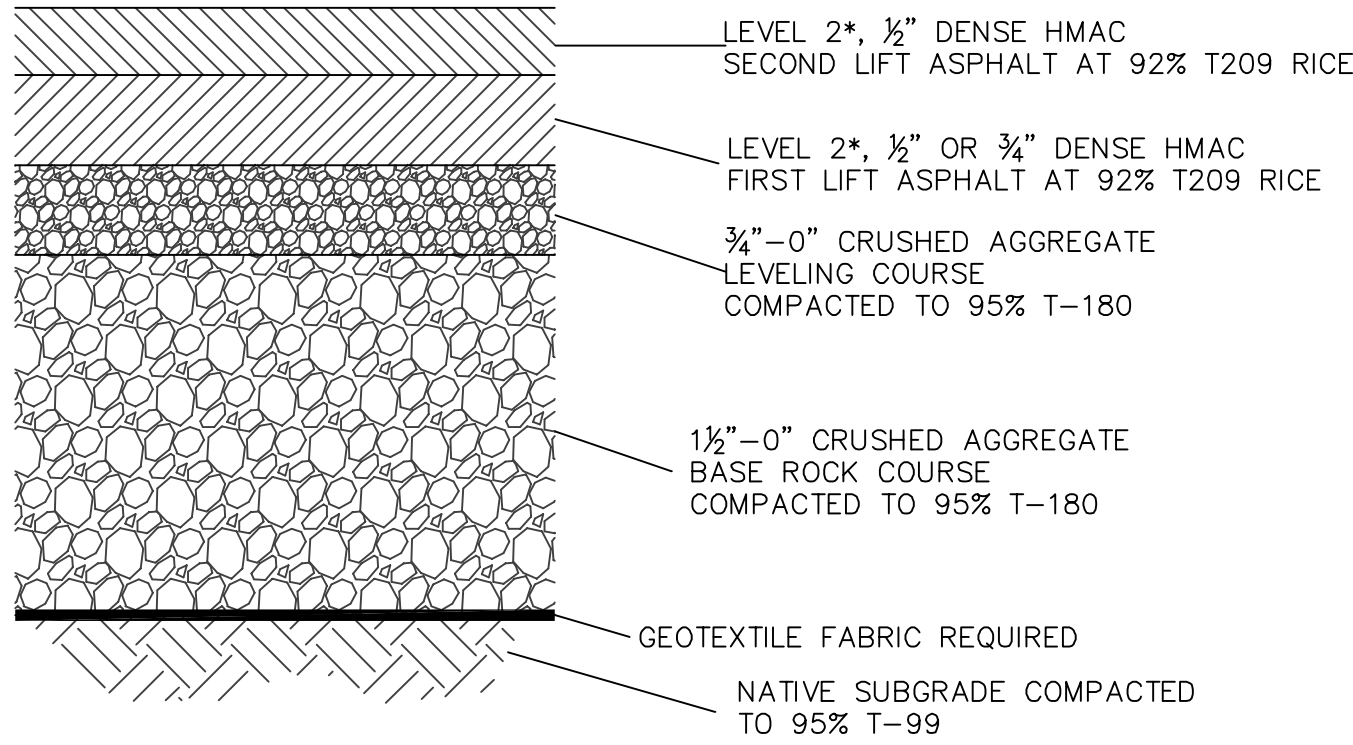
OO SP14 TYPICAL LEDGE DETAIL N.T.S.

REVISIONS		
REV.	DATE	DESCRIPTION
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SHEET NAME:
SKATEPARK
DETAILS & NOTES

DRAWN BY: TAM
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SHEET:
SP14
OF 23
100% CD SET



PAVEMENT SECTION CHART
COMPONENT THICKNESS (INCHES)

FUNCTIONAL CLASSIFICATION	SECOND LIFT HMAC THICKNESS	FIRST LIFT HMAC THICKNESS	LEVELING COURSE THICKNESS	BASE ROCK COURSE THICKNESS
LOCAL	2"	2"	2"	8"
NEIGHBORHOOD	2"	2"	2"	9"
COMMERCIAL	2"	3"	3"	9"
COLLECTOR	2"	3"	3"	9"
ARTERIAL	2"	3"	4"	10"

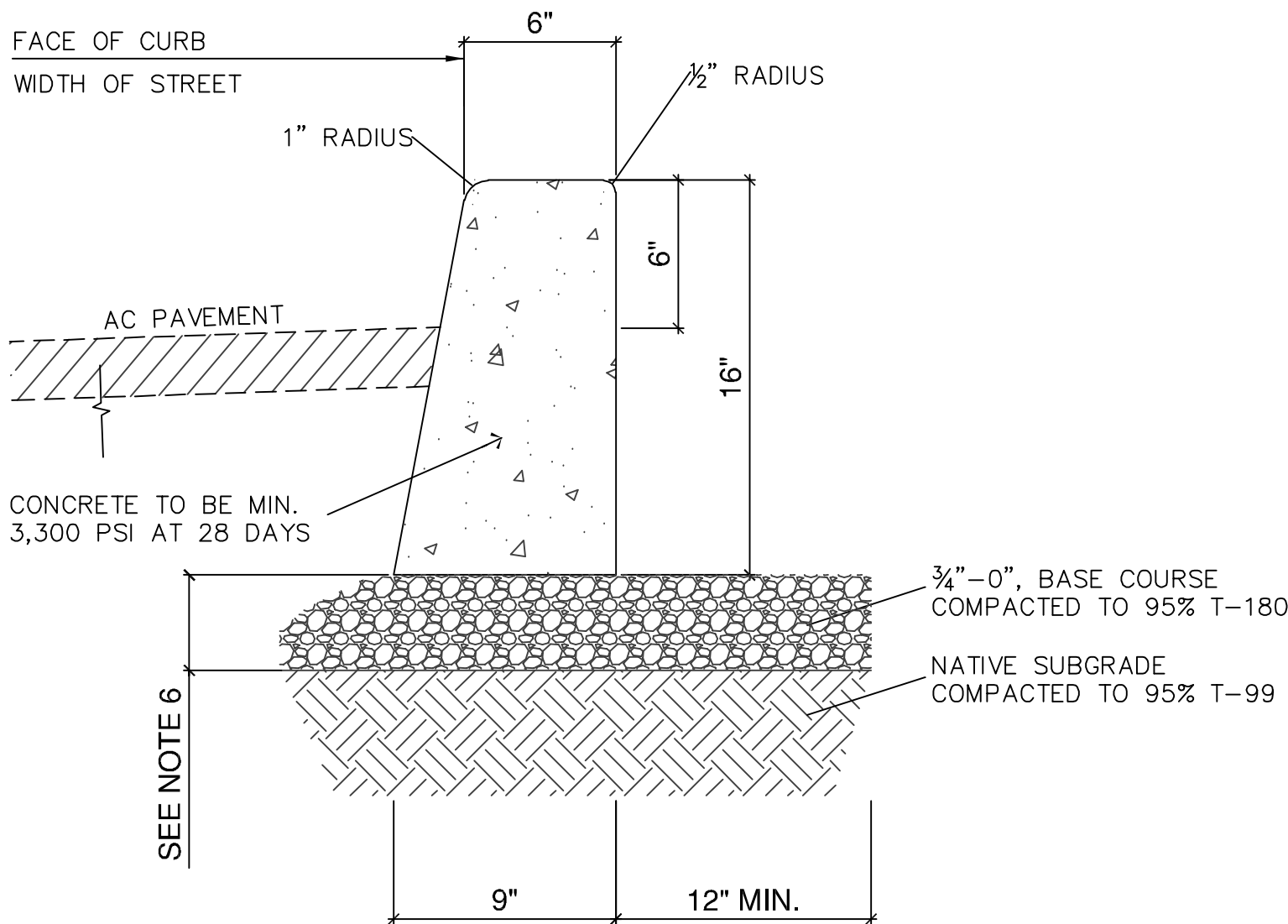
NOTES:

- MATERIALS AND PLACEMENT OF THE HOT MIXED ASPHALT CONCRETE PAVEMENT (ACP) SHALL CONFORM TO THE REQUIREMENTS DELINEATED IN SECTION 00744 – ASPHALT CONCRETE PAVEMENT (ACP), OF THE ODOT/APWA, OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION), EXCEPT AS MODIFIED BY CITY AND NOTED IN THE CITY’S ENGINEERING DESIGN AND STANDARD DETAILS MANUAL (LATEST EDITION).
- THE TOP LIFT OF HMAC SHALL BE PLACED PRIOR TO CITY FINAL ACCEPTANCE OF PUBLIC INFRASTRUCTURE IMPROVEMENTS.
- CRUSHED AGGREGATE USED FOR BASE ROCK AND LEVELING COURSE SHALL CONFORM TO THE REQUIREMENTS DELINEATED IN SECTION 02630 – BASE AGGREGATE, OF THE ODOT/APWA, OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION).

* FOR ARTERIAL CLASSIFICATION USE LEVEL 3.



STANDARD DRAWING TITLE		DRAWING NUMBER
PAVEMENT SECTION		RD-20
Any alteration of this drawing may not be associated in any way with the City of Sherwood Standard Drawings.	SCALE	DATE
	N.T.S.	MAR '16

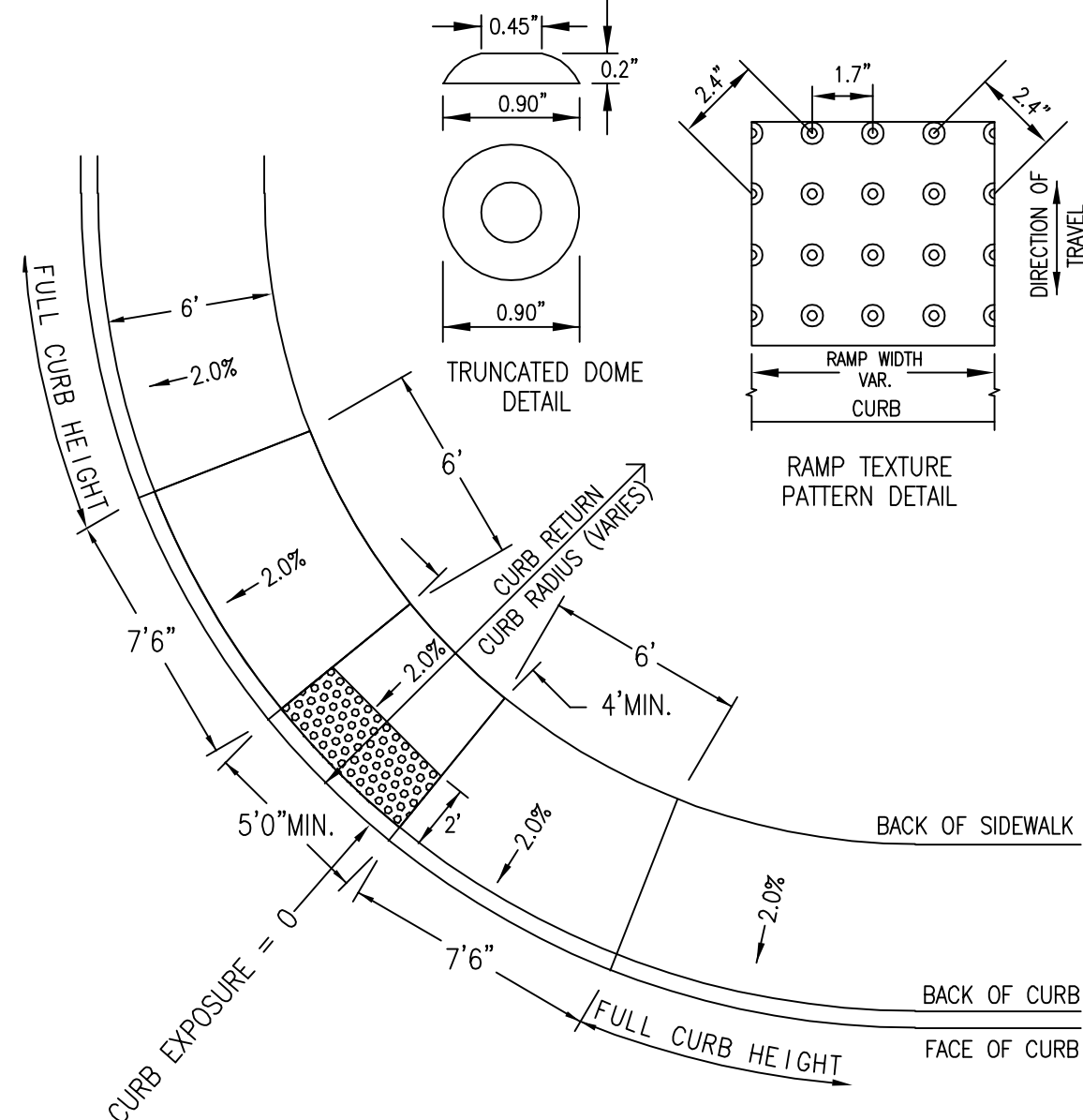


NOTES:

- 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 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
Any alteration of this drawing may not be associated in any way with the City of Sherwood Standard Drawings.	SCALE	DATE
	N.T.S.	MAR '16

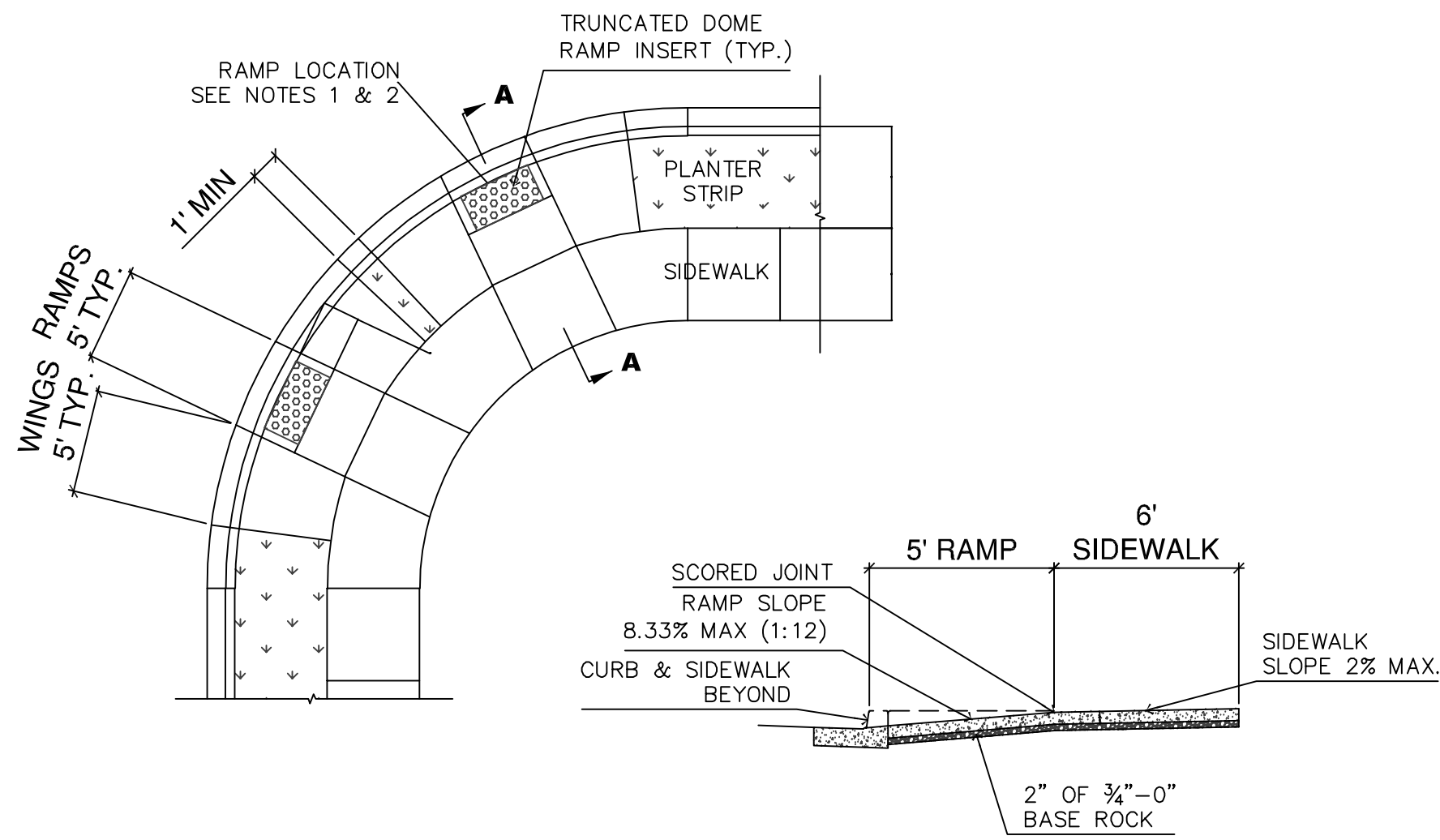


NOTES:

- PROJECT ENGINEER SHALL USE THIS DRAWING AS A GUIDE FOR DESIGNING RAMPS AND SHALL PREPARE A SITE SPECIFIC DRAWING FOR EACH RAMP.
- PROJECT ENGINEER SHALL VERIFY APPLICABILITY OF THIS DRAWING TO SPECIFIC LOCATIONS WITHIN THE PROJECT BEFORE USING IT AS A DESIGN GUIDE AND SHALL LOCATE EACH RAMP RELATIVE TO CROSSWALK OR STOP LINE.
- SIDEWALK RAMP GRADES SHALL MEET CURRENT ADA STANDARDS.
- PLANTER STRIP DETAIL – REFER TO ODOT STANDARD DRAWING RD 755 (SIDEWALK RAMP DETAIL).
- DETECTABLE WARNING SHALL BE TRUNCATED DOME TYPE, 24" LONG IN DIRECTION OF TRAVEL AND FULL WIDTH OF RAMP, WITH DOMES ALIGNED ON A SQUARE GRID WITH ITS GRIDLINES PARALLEL AND PERPENDICULAR TO THE CENTERLINE OF THE RAMP. COLOR OF DETECTABLE WARNING SHALL BE SAFETY YELLOW.
- CURB INLET OR CATCH BASIN SHALL NOT BE ALLOWED IN FRONT OF RAMP.
- CONCRETE SHALL BE A COMMERCIAL MIX, WITH A 28 DAY COMPRESSIVE STRENGTH OF 3300 PSI WITH A 4" MAX SLUMP.
- 3/4"-0" BASE ROCK SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY.
- BEVEL THE CURB CUT FROM GUTTER TO BACK OF CURB AT 8.33% (1:12) MAX.
- SCORE CONCRETE AT GRADE CHANGES, SURFACE TEXTURE CHANGES AND AT ALL OTHER POINTS SHOWN.
- CONCRETE SURFACE SHALL HAVE BROOM FINISH, AND EDGE ALL JOINTS.
- PROJECT ENGINEER SHALL ACCEPT FULL RESPONSIBILITY FOR CORRECTING ALL UNACCEPTABLE RAMP CONSTRUCTION RESULTING FROM APPLYING THIS DRAWING "AS IS" AND NOT PROVIDING A SITE-SPECIFIC DRAWING FOR EACH RAMP.



STANDARD DRAWING TITLE		DRAWING NUMBER
CURB-TIGHT CURB RETURN & RAMP DETAIL		RD-43
Any alteration of this drawing may not be associated in any way with the City of Sherwood Standard Drawings.	SCALE	DATE
	N.T.S.	MAR '16



SECTION A-A

NOTES:

- PROJECT ENGINEER SHALL USE THIS DRAWING AS A GUIDE FOR DESIGNING RAMPS AND SHALL PREPARE A SITE SPECIFIC DRAWING FOR EACH RAMP.
- PROJECT ENGINEER SHALL VERIFY APPLICABILITY OF THIS DRAWING TO SPECIFIC LOCATIONS WITHIN THE PROJECT BEFORE USING IT AS A DESIGN GUIDE AND SHALL LOCATE EACH RAMP RELATIVE TO CROSSWALK OR STOP LINE.
- SIDEWALK RAMP GRADES SHALL MEET CURRENT ADA STANDARDS.
- DETECTABLE WARNING SHALL BE TRUNCATED DOME TYPE, 24" LONG IN DIRECTION OF TRAVEL AND FULL WIDTH OF RAMP, WITH DOMES ALIGNED ON A SQUARE GRID WITH ITS GRIDLINES PARALLEL AND PERPENDICULAR TO THE CENTERLINE OF THE RAMP. COLOR OF DETECTABLE WARNING SHALL BE SAFETY YELLOW.
- CURB INLET OR CATCH BASIN SHALL NOT BE ALLOWED IN FRONT OF RAMP.
- CONCRETE SHALL BE A COMMERCIAL MIX, WITH A 28 DAY COMPRESSIVE STRENGTH OF 3300 PSI, WITH A 4" MAX SLUMP.
- 3/4"-0" BASE ROCK SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY.
- BEVEL THE CURB CUT FROM GUTTER TO BACK OF CURB AT 8.33% (1:12) MAX.
- SCORE CONCRETE AT GRADE CHANGES, SURFACE TEXTURE CHANGES AND AT ALL OTHER POINTS SHOWN.
- CONCRETE SURFACE SHALL HAVE BROOM FINISH, AND EDGE ALL JOINTS.
- PROJECT ENGINEER SHALL ACCEPT FULL RESPONSIBILITY FOR CORRECTING ALL UNACCEPTABLE RAMP CONSTRUCTION RESULTING FROM APPLYING THIS DRAWING "AS IS" AND NOT PROVIDING A SITE-SPECIFIC DRAWING FOR EACH RAMP.



STANDARD DRAWING TITLE		DRAWING NUMBER
DOUBLE CROSSING CURB RETURN & RAMP DETAIL		RD-44
Any alteration of this drawing may not be associated in any way with the City of Sherwood Standard Drawings.	SCALE	DATE
	N.T.S.	MAR '16



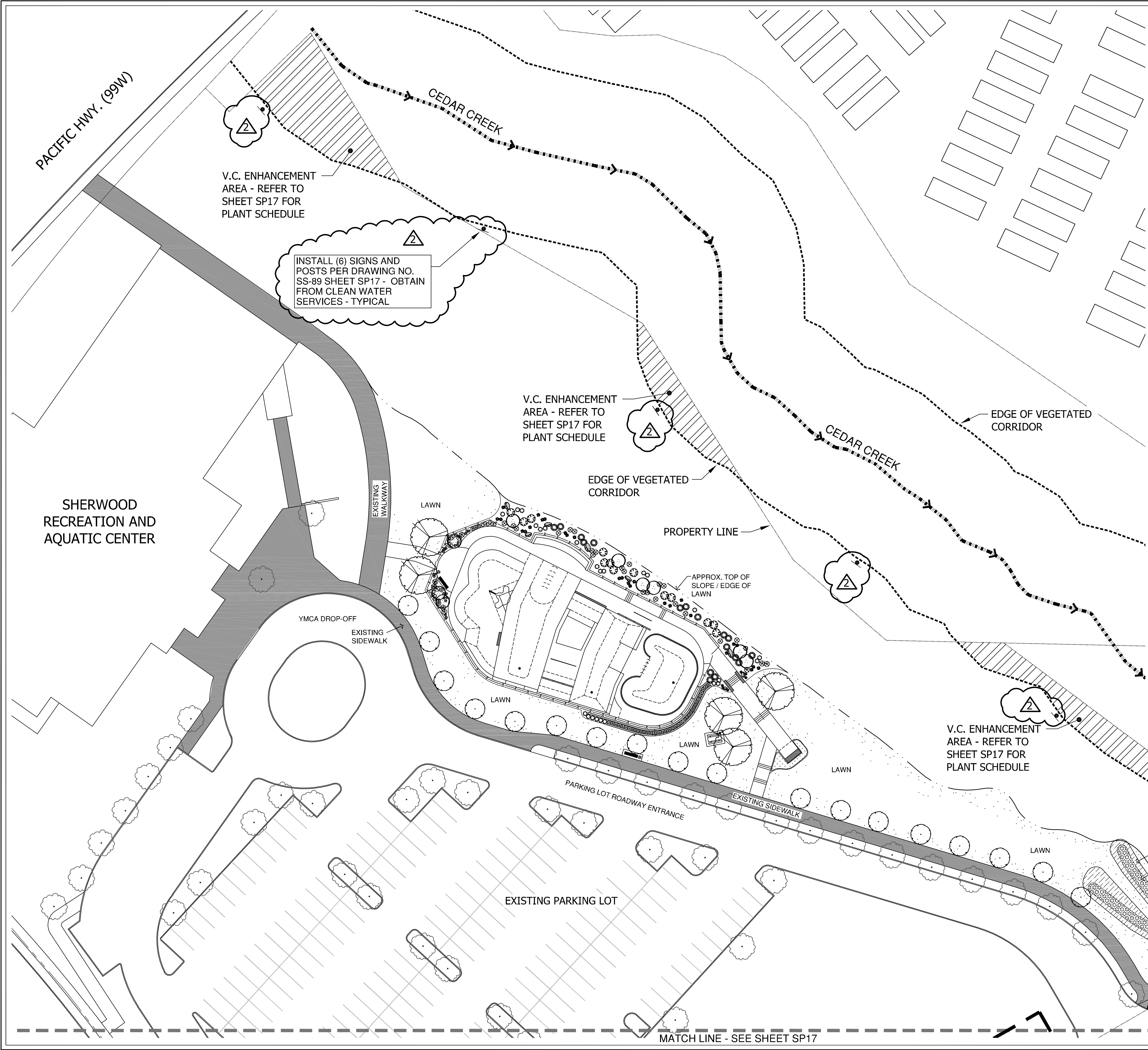
SHERWOOD SKATEPARK
CITY OF SHERWOOD
POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

REVISIONS		
REV.	DATE	DESCRIPTION
1	12/19/2018	Addendum No. 2

SHEET NAME:
**ALTERNATE NO. 1
DETAILS & NOTES**

DRAWN BY:	TAM
CHECKED BY:	TAM
ISSUE DATE:	11/18/2018
JOB NO.:	1707

SHEET:
SP15
OF 23
100% CD SET



PLANT MATERIALS LISTING:					
Botanical name Common Name					
SYM	TREES	QTY.	SIZE	CONDITION	REMARKS
	Acer circinatum Vine Maple	9	5-6'	B&B	Multi-stem
	Styrax japonicus 'JFS-D' Snowcone Japanese Snowbell	5	2" Cal.	B&B	
	Cornus kousa 'Eddies White Wonder' Eddies White Wonder Dogwood	18	1.5" Cal.	B&B	
	Fraxinus americana 'Junginger' Autumn Purple Ash	13	2" Cal.	B&B	Street Tree
	Existing Deciduous Tree to Remain				

SYM	SHRUBS	QTY.	SIZE	CONDITION	REMARKS
	Berberis thunbergii 'Crimson Pygmy' Crimson Pygmy Barberry	30	1 Gal	Can	10-12"
	Calamagrostis x acutiflora 'Karl Foerster' Feather Reed Grass	11	1 Gal	Can	12-15"
	Cornus sericea 'Kelsey' Kelsey Dogwood	21	2 Gal	Can	10-12"
	Euonymus alatus 'Compactus' Dwarf Winged Euonymus	17	5 Gal	Can	10-12"

	Hemerocallis 'Happy Returns' Happy Returns Daylily	16	1 Gal	Can	10-12"
	Euonymus fortunei 'Roemertwo' Gold Splash Euonymus	14	2 Gal	Can	10-12"
	Imperata cylindrica 'Rubra' Japanese Bloodgrass	18	1 Gal	Can	10-12"
	Pennisetum 'Hameln' Hameln Fountain Grass	6	1 Gal	Can	15-18"
	Polystichum munitum Sword Fern	27	1 Gal	Can	10-12"
	Ribes sanguineum 'King Edward VII' King Edward Flowering Currant	13	5 Gal	Can	15-18"
	Spiraea x bumalda 'Anthony Waterer' Anthony Waterer Spiraea	25	2 Gal	Can	15-18"

SYM	GROUND COVER	QTY.	SIZE	CONDITION	REMARKS
	Rubus calycinoides 'Emerald Carpet' Creeping Raspberry	60	4"	Pots	18" O.C.
	Lawn as Specified (Hydroseed) Sunmark Seeds - Celebration				

SYM	LEGEND	QTY.	
	Landscape Boulder - Grey Basalt - Verify w/ Owner	8	• Contractor to place existing on-site boulders. Contractor to notify Project Landscape Architect prior to placement for direction.

APPROXIMATE LANDSCAPE AREA	
LAWN AREA (RESTORATION/NEW):	22,935 SF
PLANTING AREA:	3,970 SF
WATER QUALITY FACILITY AREA:	1,713 SF
VEGETATED CORRIDOR ENHANCEMENT AREA:	7,371 SF
TOTAL LANDSCAPE AREA:	35,989 SF
REFER TO SHEET SP18 FOR PLANTING DETAILS AND NOTES	

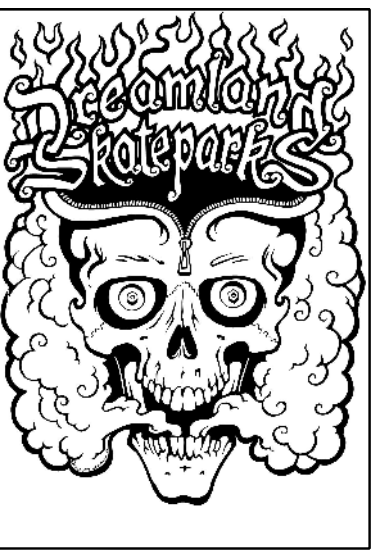
MEARS

DESIGN+GROUP

LANDSCAPE ARCHITECTURE & PLANNING

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PHONE: 503.601.4516 | FAX: 503.924.4688



REGISTERED

540

TROY A. MEARS

OREGON

11/21/2003

LANDSCAPE ARCHITECT

SHERWOOD SKATEPARK

CITY OF SHERWOOD

POURED-IN-PLACE CONCRETE

23000 SW PACIFIC HWY., SHERWOOD, OREGON

REVISIONS		
REV.	DATE	DESCRIPTION
	12/19/2018	Addendum No. 2

SHEET NAME:

SKATEPARK

PLANTING PLAN

DRAWN BY:	TAM
CHECKED BY:	TAM
ISSUE DATE:	11/18/2018
JOB NO.:	1707

SHEET:

SP16

OF 23

100% CD SET

MATCH LINE - SEE SHEET SP16

EXISTING PARKING LOT

ALTERNATE NO. 1

LAWN

LAWN

SW WOODHAVEN DRIVE

LAWN

SW SUNSET BLVD.

PLANT TABLE - VEGETATED CORRIDOR PLANTING AREAS

VEGETATED CORRIDOR AREA "GOOD CONDITION" ENHANCEMENT

7,371 SF	Minimum Species Composition	Plant Category	Light Requirements	Planting Size	Minimum Plant Height
Common Name (Botanical name)					
Trees					
Douglas Fir (<i>Pseudotsuga menziesii</i>)	50	Tree	Sun	2 gal.	2'
Bigleaf Maple (<i>Acer macrophyllum</i>)	25	Tree	Part	2 gal.	2'
Vine Maple (<i>Acer circinatum</i>)	50	Sm. Tree	Shade	2 gal.	2'
Pacific Dogwood (<i>Cornus nuttallii</i>)	25	Sm. Tree	Part	2 gal.	2'
Tree subtotal	150				

Shrubs					
Saskatoon Serviceberry (<i>Amelanchier alnifolia</i>)	25	Shrub	Sun	1 gal.	12"
Tall Oregon Grape (<i>Mahonia aquifolium</i>)	50	Shrub	Sun	1 gal.	12"
Cascade Oregon Grape (<i>Mahonia nervosa</i>)	50	Shrub	Sun	1 gal.	12"
Snowberry (<i>Symphoricarpos albus</i>)	50	Shrub	Part	1 gal.	12"
Indian Plum (<i>Oemleria cerasiiformis</i>)	25	Shrub	Shade	1 gal.	12"
Red-flowering currant (<i>Ribes sanguineum</i>)	50	Shrub	Part	1 gal.	12"
Shrub subtotal	250				

Herbaceous					
Salal (<i>Gaultheria shallon</i>)	50	Herb	Sun	1 gal.	
False lily of the valley (<i>Marianthemum dilatatum</i>)	50	Herb	Sun	4" pot	
Sword Fern (<i>Polystichum munitum</i>)	100	Herb	Sun	1 gal.	

Seeding					
Sunmark Seeds - Woodland Blend	as needed in bare areas	Seed			

Vegetated Corridor Requirements:

1. All invasive, non-native or noxious plant material are to be removed.

Methods for removal and control of invasive / non-native and/or noxious plants are to follow strategies as outlined within the CWS IVAM Guidance manual. The subject site is to employ manual / mechanical management strategies and pesticide management strategies throughout maintenance period or until healthy stand of desirable vegetation is established.

2. Preserve site's existing native vegetation to the maximum extent practicable.

Every effort shall be made to protect a site's existing native vegetation. Native vegetation along Sensitive Areas and Vegetated Corridors shall be retained to the maximum extent practicable.

3. Replanting / Enhancement as follows:

- Refer to plant table and plan for plant species, location, distribution, quantities, size, condition and requirements.
- Per CWS Design and Construction Standards, Appendix A, Quantities for Vegetated Corridors and Sensitive Areas; Groundcover = Plant and Seed to achieve 100% aerial coverage.
- A native seed mix has been specified for the buffer area only. All plants to be pit planted with additional organic matter if required but no traditional fertilizer is necessary. Plant placement shall be consistent with the form of the naturally occurring plant community. Shrubs shall be placed in singles or clusters of the same species to provide a natural planting scheme.

4. Plant installation requirements. Permittee is responsible for installation of site planting as specified. All trees and shrubs planted in the upland area are to be mulched a minimum of three inches in depth and 18 inches in dia. Appropriate mulches include those made from composted leaves or bark that have not been chemically treated. Temporary irrigation will be provided and used during the two year maintenance period.

5. Monitoring and maintenance. Permittee is responsible for monitoring and maintaining the site. All new plant material is to be tagged. The removal of non-native, invasive weeds is necessary throughout the two year maintenance period, or until a healthy stand of desirable vegetation is established. The site is to be monitored a min. of two times per year, by June 1 and September 30. If at any time the landscaping falls below the 80% survival level, the owner shall reinstall all deficient planting at the next appropriate planting opportunity and the two year maintenance period shall begin again from the date of replanting.

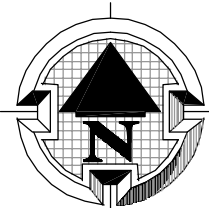
6. Permittee is required to provide and install a temporary irrigation system to maintain vegetative corridor plant establishment during the monitoring and maintenance period. Refer to irrigation industry best practices and standards for acceptable design/build practices. Landscape Contractor to provide irrigation as-built record drawing upon completion and acceptance of irrigation system.

Permittee: City of Sherwood Public Works, Craig Sheldon (503) 925-2310

REFER TO SHEET SP18 FOR PLANTING DETAILS AND NOTES

REFER TO SHEET SP16 FOR PLANT MATERIAL LISTING/SCHEDULE

SCALE: 1" = 30'-0"



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TROY A. MEARS
OREGON
11/21/2003
LANDSCAPE ARCHITECT

SHERWOOD SKATEPARK
CITY OF SHERWOOD

POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

REV.	DATE	DESCRIPTION
1	12/19/2019	Addendum No. 2

SHEET NAME:
**SKATEPARK
PLANTING PLAN**

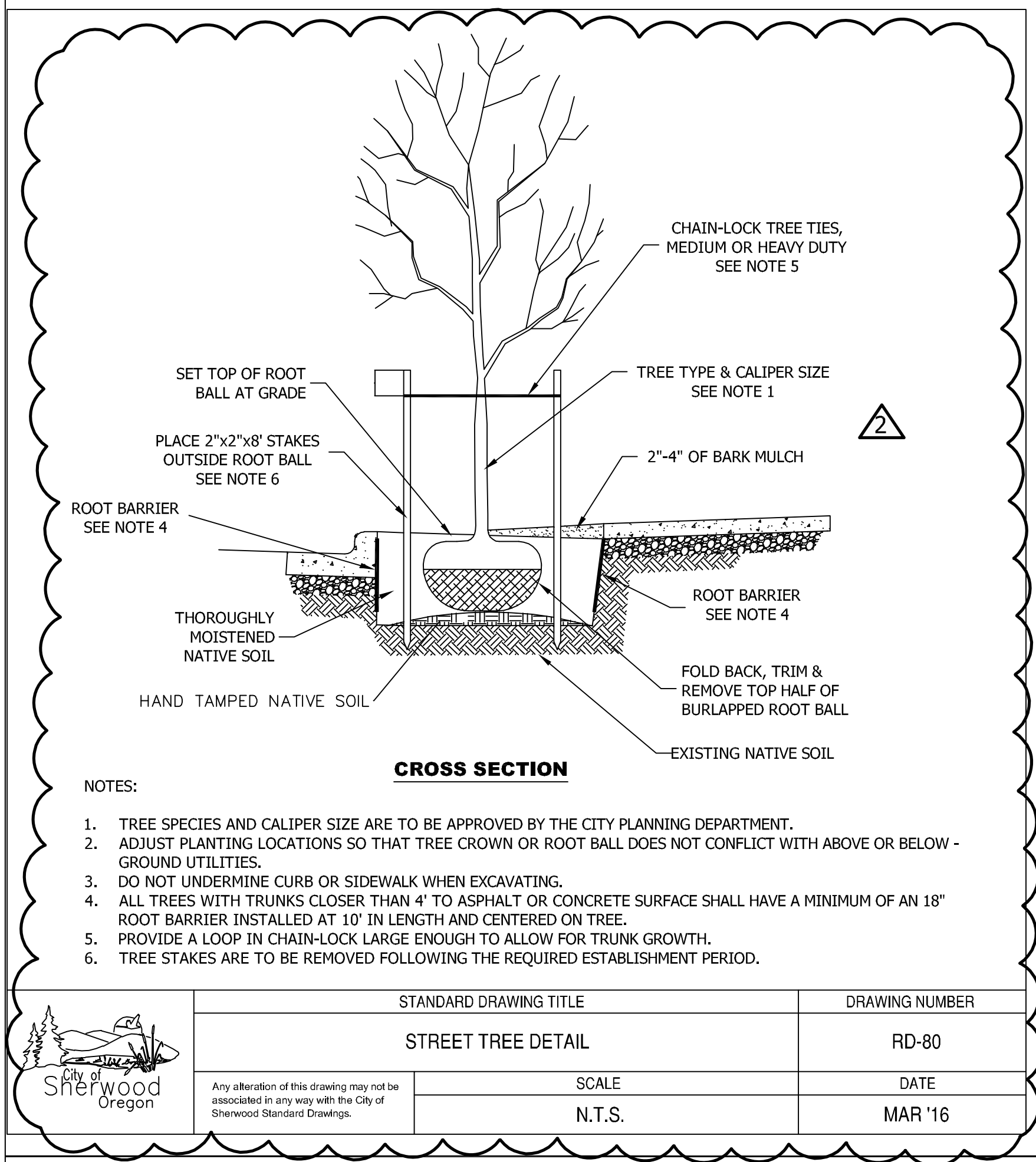
DRAWN BY: TAM
CHECKED BY: TAM
ISSUE DATE: 11/16/2019
JOB NO.: 1707

SHEET:

SP17

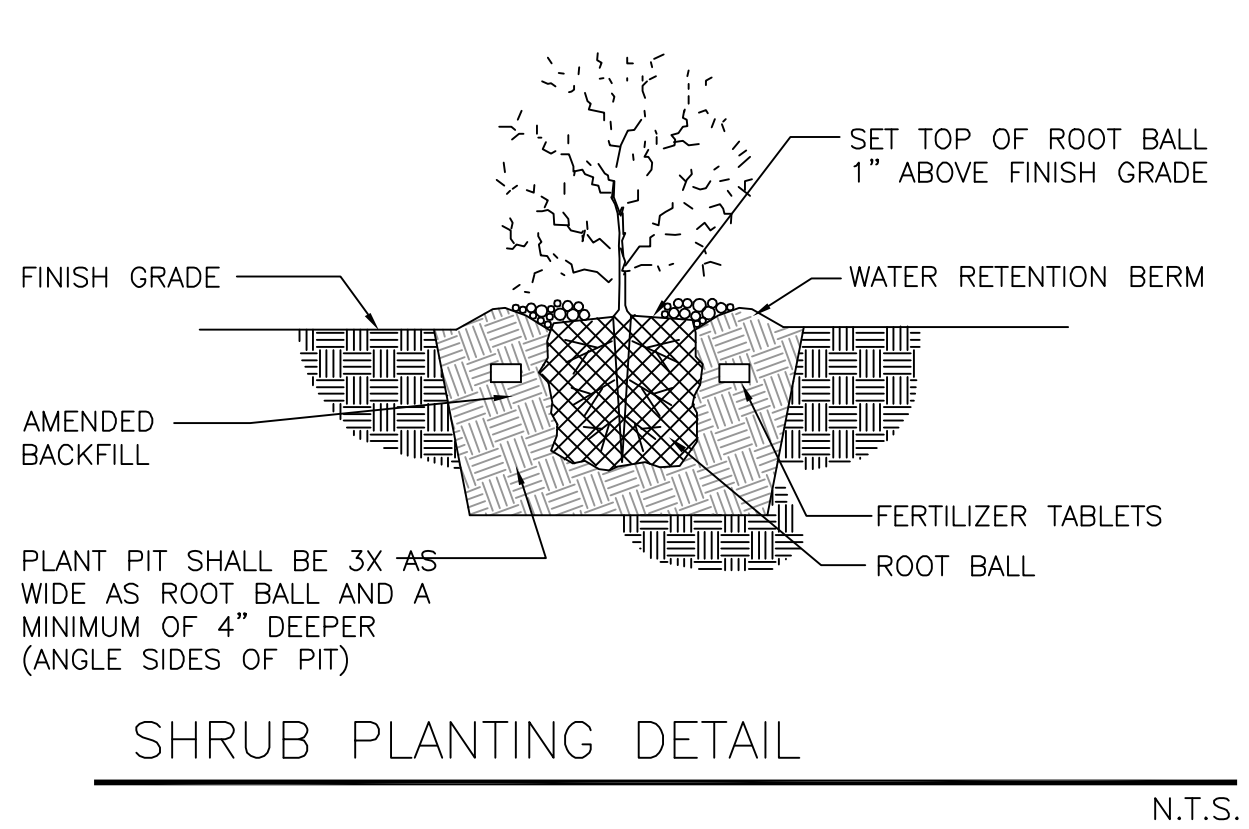
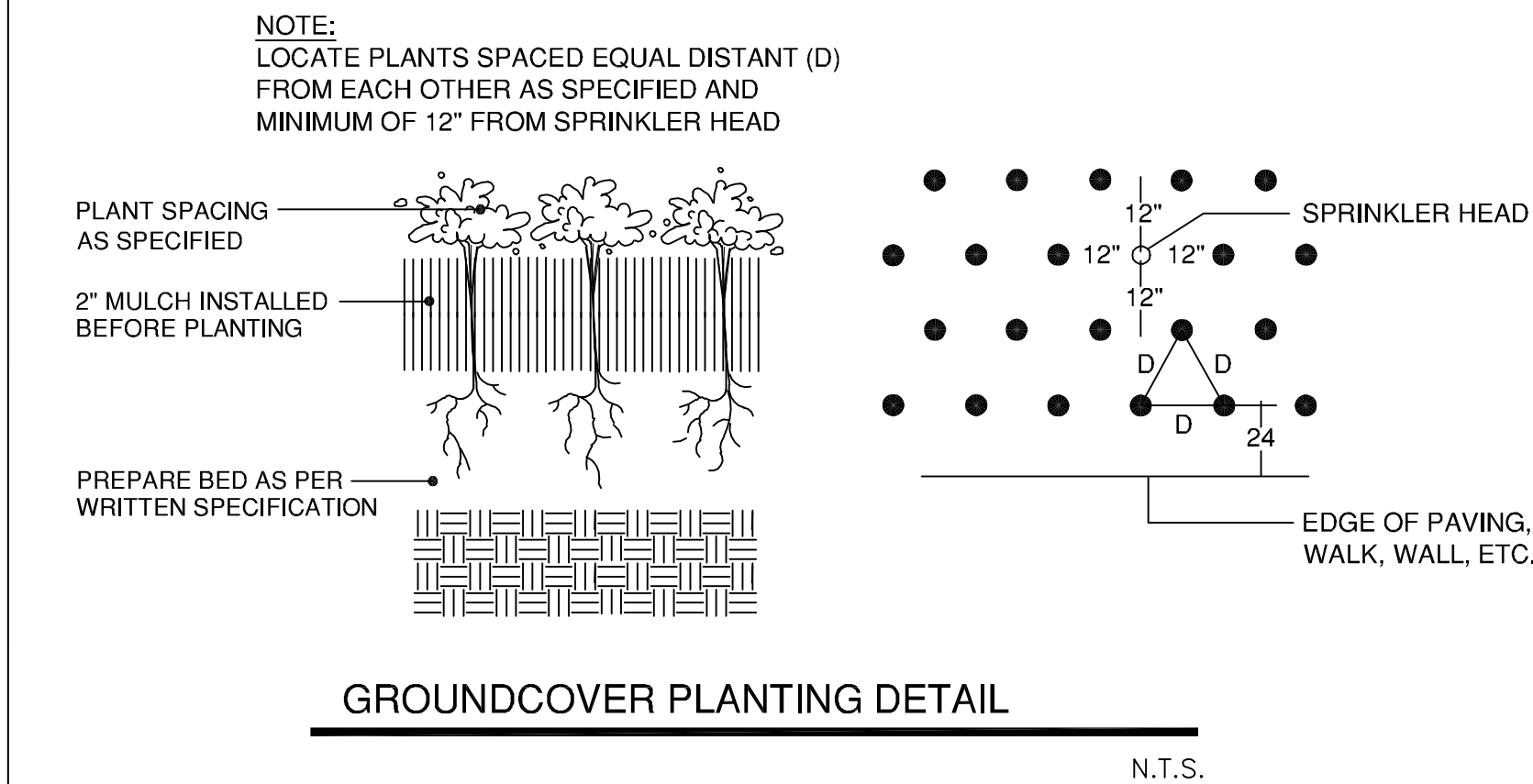
OF 23

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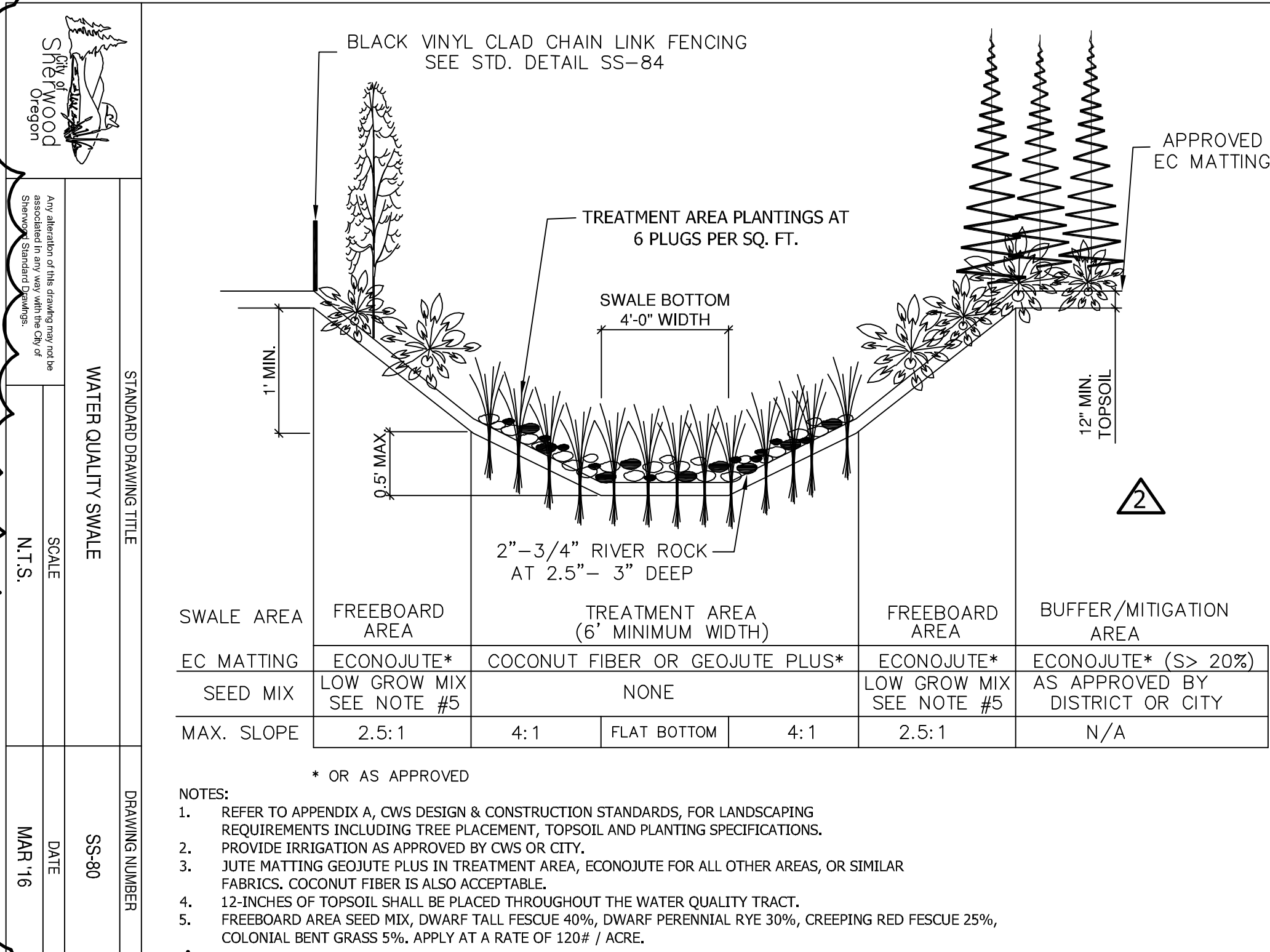
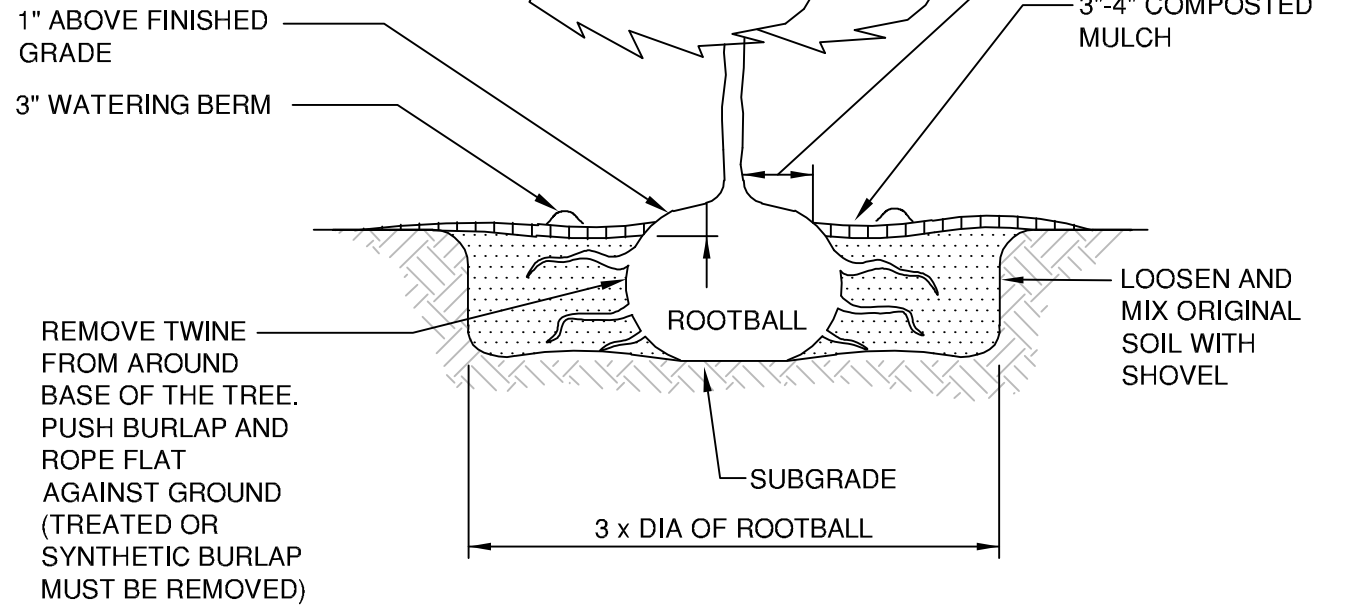
TYPICAL PLANTING NOTES:

- B&B stock may be substituted with container stock of equal grade.
- Container stock may be substituted with B&B stock of equal grade.
- Plant material shall conform with American Standard for Nursery Stock, ANSI Z60.1, 2004 edition.
- All trees shall be branched.
- Refer to project technical specification for topsoil requirement. All planting beds shall have a minimum of 18 inches topsoil. Re-use of existing topsoil is recommended, but must meet specifications.
- Garden mulch all planting beds with 3" min. Layer of specified garden mulch.
- In the event of a discrepancy between this material listing and the drawings, the drawings shall govern the plant species and quantities required.
- In the event of question or lack of clarity on drawings, Landscape Contractor is to call Landscape Architect before proceeding.
- Landscape contractor is to notify Landscape Architect prior to installation of plant material to approve final placement.
- Landscape Contractor to verify plant material quantities.
- Contractor will provide a one year warranty on all provided & installed plant material from date of final approval by owner's representative.
- Refer to Plans and City of Sherwood Development Code Section 16.92.040 for landscaping installation and maintenance standards.



NO FERTILIZER TABLETS REQUIRED FOR VEGETATED CORRIDOR PLANTINGS.

NOTE: IF TREE IS CONTAINER GROWN STOCK, BREAK ROOT BALL APART BEFORE PLACING IN PLANTING HOLE. IF PLANT IS ROOT BOUND MAKE A VERTICAL CUT THROUGH THE LOWER 1/4 OF THE SOIL MASS. PULL OUT AND STRAIGHTEN LARGE, CIRCLING ROOTS.



WATER QUALITY DETENTION FACILITY #1 (REFER TO PLANTING DETAILS SHEET L103)									
Plant Communities		Minimum Species Composition	Plant Category	Water Requirements	Light Requirements	Minimum Rooting Size	Minimum Plant Height (1" Dia.)	On Center / Seeding Rate	Spacing Format
Herbaceous	Scientific name (Common Name)								
	Juncus patens (Spreading rush)	1098	Herb	Moist	Part	Plug	6"	6/sq.ft.	Mass
	Carex obnupta (Slough Sedge)	1098	Herb	Moist	Part	Plug	4"	6/sq.ft.	Mass
	Scirpus microcarpus (Small Fruited Bulrush)	1098	Herb	Wet	Sun	Plug	6"	6/sq.ft.	Mass
	Juncus effusus (Common Rush)	1098	Herb	Moist	Sun	Plug	6"	6/sq.ft.	Mass
Total Plants		4392							
Plant Communities		Minimum Species Composition	Plant Category	Water Requirements	Light Requirements	Minimum Rooting Size	Minimum Plant Height	On Center / Seeding Rate	Spacing Format
Trees	Common Name (Scientific name)								
	Vine Maple (Acer circinatum)	5	Tree	Dry/Moist	Part	2 gal.	2'	4-5'	Single
	Oregon Ash (Fraxinus latifolia)	5	Tree	Moist	Part	2 gal.	6-8'	6'	Single
	Total Trees	10							
	Red-Osier Dogwood (Cornus sericea)	17	Shrub	Wet	Part	1 gal.	2'	3-4'	Cluster
Shrubs	Pacific Ninebark (Physocarpus capitatus)	16	Shrub	Moist	Shade	1 gal.	2'	9'	Cluster
	Douglas Spiraea (Spiraea douglasii)	16	Shrub	Wet	Sun	1 gal.	1.5'	4-5'	Cluster
	Total Shrubs	49							

• Tree spacing = sq footage x 0.01; Shrub spacing = sq footage x 0.05; Groundcover = 100% areal cover

• Single = distribute throughout planting area. Cluster = group 3 to 7 plants in same area with herb or grass in between.

• Mass = plant densely to form a single stand of that species in a given area.

Site Requirements: (Water Quality Detention Facility)

- All invasive, non-native or noxious plant material are to be removed. Methods for removal and control of invasive / non-native and/or noxious plants are to follow strategies as outlined within the CWS /VAM Guidance manual. The subject site is to employ manual / mechanical management strategies and pesticide management strategies throughout maintenance period or until healthy stand of desirable vegetation is established.
- Preserve site's existing native vegetation to the maximum extent practicable. Every effort shall be made to protect a sites existing native vegetation. Native vegetation along Sensitive Areas and Vegetated Corridors shall be retained to the maximum extent practicable.
- Replanting / Enhancement as follows:
 - Refer to plant table and plan for plant species, location, distribution, quantities, size, condition and requirements.
 - A native seed mix has been specified for the buffer area only. All plants to be pit planted with additional organic matter if required but no traditional fertilizer is necessary. Plant placement shall be consistent with the form of the naturally occurring plant community. Shrubs shall be placed in singles or clusters of the same species to provide a natural planting scheme.
- Plant installation requirements. Permittee is responsible for installation of site planting as specified. All trees and shrubs planted in the upland area are to be mulched a minimum of three inches in depth and 18 inches in dia. Appropriate mulches include those made from composted leaves or bark that have not been chemically treated. Temporary irrigation will be provided and used during the two year maintenance period.
- Monitoring and maintenance. Permittee is responsible for monitoring and maintaining the site. All new plant material is to be tagged. The removal of non-native, invasive weeds is necessary throughout the two year maintenance period, or until a healthy stand of desirable vegetation is established. The site is to be monitored a min. of two times per year, by June 1 and September 30. If at any time the landscaping falls below the 80% survival level, the owner shall reinstall all deficient planting at the next appropriate planting opportunity and the two year maintenance period shall begin again from the date of replanting.
- Permittee is required to provide and install a temporary irrigation system to maintain vegetative corridor plant establishment during the monitoring and maintenance period. The irrigation system will be fed from a owner provided 3/4" meter (see Civil) and shall be designed to not exceed site available GPM and PSI. Refer to irrigation industry best practices and standards for acceptable design/build practices. Landscape Contractor to provide irrigation as-built record drawing upon completion and acceptance of irrigation system.

Seed Mix for Upland Buffer Zone:

Pro-Time 402 Native Riparian Grass Mix:

Blue Wildrye	Elymus glaucus	60%
Native Red Fescue	Festuca rubra v rubra	30%
Tufted hairgrass	Deschampsia cespitosa	10%
Application Rate of 20 to 30 lbs./acre		
*Seed all bare areas greater than 25 square feet in size		

CONSTRUCTION

- Water Quality Swale shall be over-excavated and filled to final grade with 12-inch amended topsoil. Topsoil amendments shall be garden compost, not conventional fertilizer amendments.
- A biodegradable Erosion Control Matting shall be placed over the topsoil throughout the swale cross section, fabric shall be held in place in accordance with the manufacturer's installation requirements. Anchor spacing shall be based on 3 fps flow over the fabric.
 - Treatment area - high-density jute matting (Geojute Plus or other approved equal)
 - All other areas - low-density jute matting (EconoJute or other approved equal)
- 2.5-3 inches of 2'-4" river run rock shall be placed over the matting evenly throughout the length and width of the swale.
- Plant materials shall be placed in accordance with the plan and plant table as shown on approved plans.
- The water quality swale treatment area plantings can be deemed "substantially complete" once active green growth has occurred to an average growth of 3" and plant density is an average of approx. 6 plants (minimum 1-inch plugs or equivalent) per square foot.
- The facility shall be deemed acceptable to begin the maintenance period when plant growth and density matches the engineer's design as shown on the approved plans and all other requirements have been met. The engineer must certify the facility to be functional, in accordance with the approved plan design to begin the two-year maintenance period.

MAINTENANCE

- The permittee is responsible for the maintenance of this facility for a minimum of two years following construction and acceptance of this facility per Chapter 2.
- Irrigation is to be provided per separate irrigation plan as approved. Irrigation needs are to be met using a temporary irrigation system with a timer during the dry season. Systems should be winterized during the wet season to assure longevity and guard against damage from freezing temperatures. Water source shall be as shown on the approved plans.
- Engineer or Owners Representative is to visit and evaluate the site a minimum of twice annually (Spring and Fall). The landscaping shall be evaluated and replanted as necessary to ensure a minimum of 80% survival rate of the required plantings and 90% aerial coverage of herbaceous plugs. Non-native, invasive plant species shall be removed when occupying more than 20% of the site.
- The facility shall be re-excavated and planted if siltation greater than 3 inches in depth occurs within the two-year maintenance period.

STANDARD DRAWING TITLE		DRAWING NUMBER
WATER QUALITY SWALE CONSTRUCTION & MAINTENANCE NOTES		SS-81
Any alteration of this drawing may not be associated in any way with the City of Sherwood Standard Drawings.	SCALE N.T.S.	DATE MAR '16



SHERWOOD SKATEPARK
CITY OF SHERWOOD

POURED-IN-PLACE CONCRETE
23000 SW PACIFIC HWY., SHERWOOD, OREGON

REV.	DATE	DESCRIPTION
1	12/19/2018	City Comments

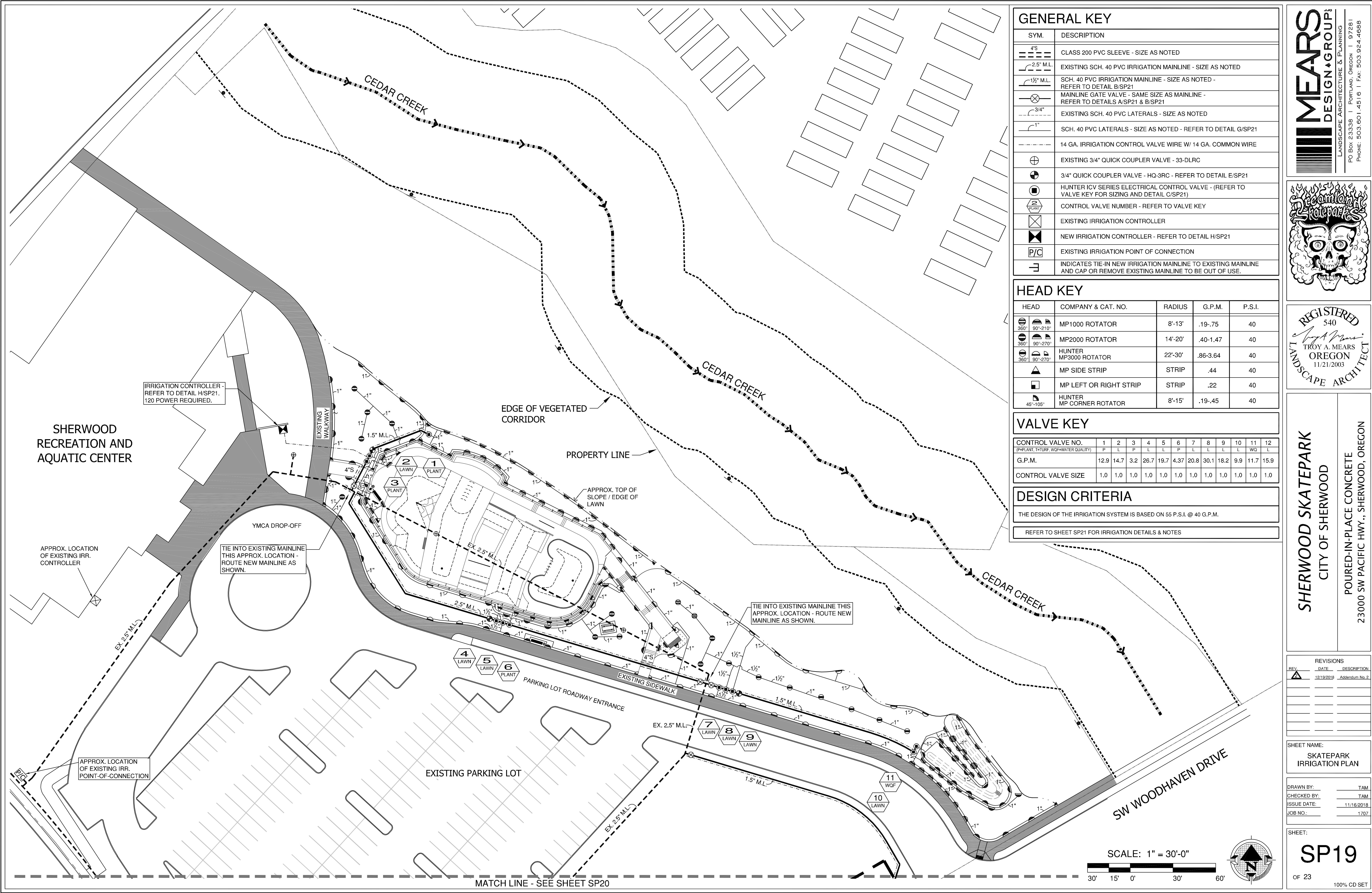
SHEET NAME:
SKATEPARK PLANTING PLAN DETAILS & NOTES

DRAWN BY:	TAM
CHECKED BY:	TAM
ISSUE DATE:	11/16/2018
JOB NO.:	1707

SHEET:
SP18

OF 22

100% CD SET



GENERAL KEY	
SYM.	DESCRIPTION
	CLASS 200 PVC SLEEVE - SIZE AS NOTED
	EXISTING SCH. 40 PVC IRRIGATION MAINLINE - SIZE AS NOTED
	SCH. 40 PVC IRRIGATION MAINLINE - SIZE AS NOTED - REFER TO DETAIL B/SP21
	MAINLINE GATE VALVE - SAME SIZE AS MAINLINE - REFER TO DETAILS A/SP21 & B/SP21
	EXISTING SCH. 40 PVC LATERALS - SIZE AS NOTED
	SCH. 40 PVC LATERALS - SIZE AS NOTED - REFER TO DETAIL G/SP21
	14 GA. IRRIGATION CONTROL VALVE WIRE W/ 14 GA. COMMON WIRE
	EXISTING 3/4" QUICK COUPLER VALVE - 33-DLRC
	3/4" QUICK COUPLER VALVE - HQ-3RC - REFER TO DETAIL E/SP21
	HUNTER ICV SERIES ELECTRICAL CONTROL VALVE - (REFER TO VALVE KEY FOR SIZING AND DETAIL C/SP21)
	CONTROL VALVE NUMBER - REFER TO VALVE KEY
	EXISTING IRRIGATION CONTROLLER
	NEW IRRIGATION CONTROLLER - REFER TO DETAIL H/SP21
	EXISTING IRRIGATION POINT OF CONNECTION
	INDICATES TIE-IN NEW IRRIGATION MAINLINE TO EXISTING MAINLINE AND CAP OR REMOVE EXISTING MAINLINE TO BE OUT OF USE.

HEAD KEY				
HEAD	COMPANY & CAT. NO.	RADIUS	G.P.M.	P.S.I.
	MP1000 ROTATOR	8'-13'	.19-.75	40
	MP2000 ROTATOR	14'-20'	.40-1.47	40
	HUNTER MP3000 ROTATOR	22'-30'	.86-3.64	40
	MP SIDE STRIP	STRIP	.44	40
	MP LEFT OR RIGHT STRIP	STRIP	.22	40
	HUNTER MP CORNER ROTATOR	8'-15'	.19-.45	40

VALVE KEY												
CONTROL VALVE NO.	1	2	3	4	5	6	7	8	9	10	11	12
(P=PLANT, T=TURF, WQ=WATER QUALITY)	P	L	P	L	L	P	L	L	L	L	WQ	L
G.P.M.	12.9	14.7	3.2	26.7	19.7	4.37	20.8	30.1	18.2	9.9	11.7	15.9
CONTROL VALVE SIZE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

DESIGN CRITERIA
THE DESIGN OF THE IRRIGATION SYSTEM IS BASED ON 55 P.S.I. @ 40 G.P.M.
REFER TO SHEET SP21 FOR IRRIGATION DETAILS & NOTES

LANDSCAPE ARCHITECTURE & PLANNING
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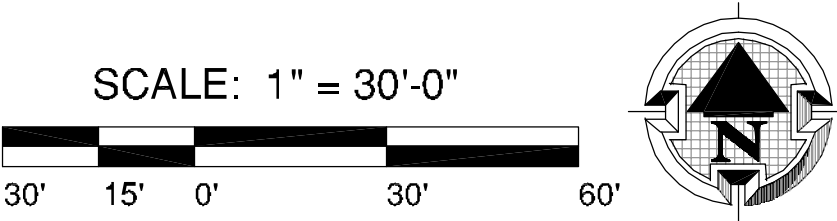
SHERWOOD SKATEPARK
CITY OF SHERWOOD
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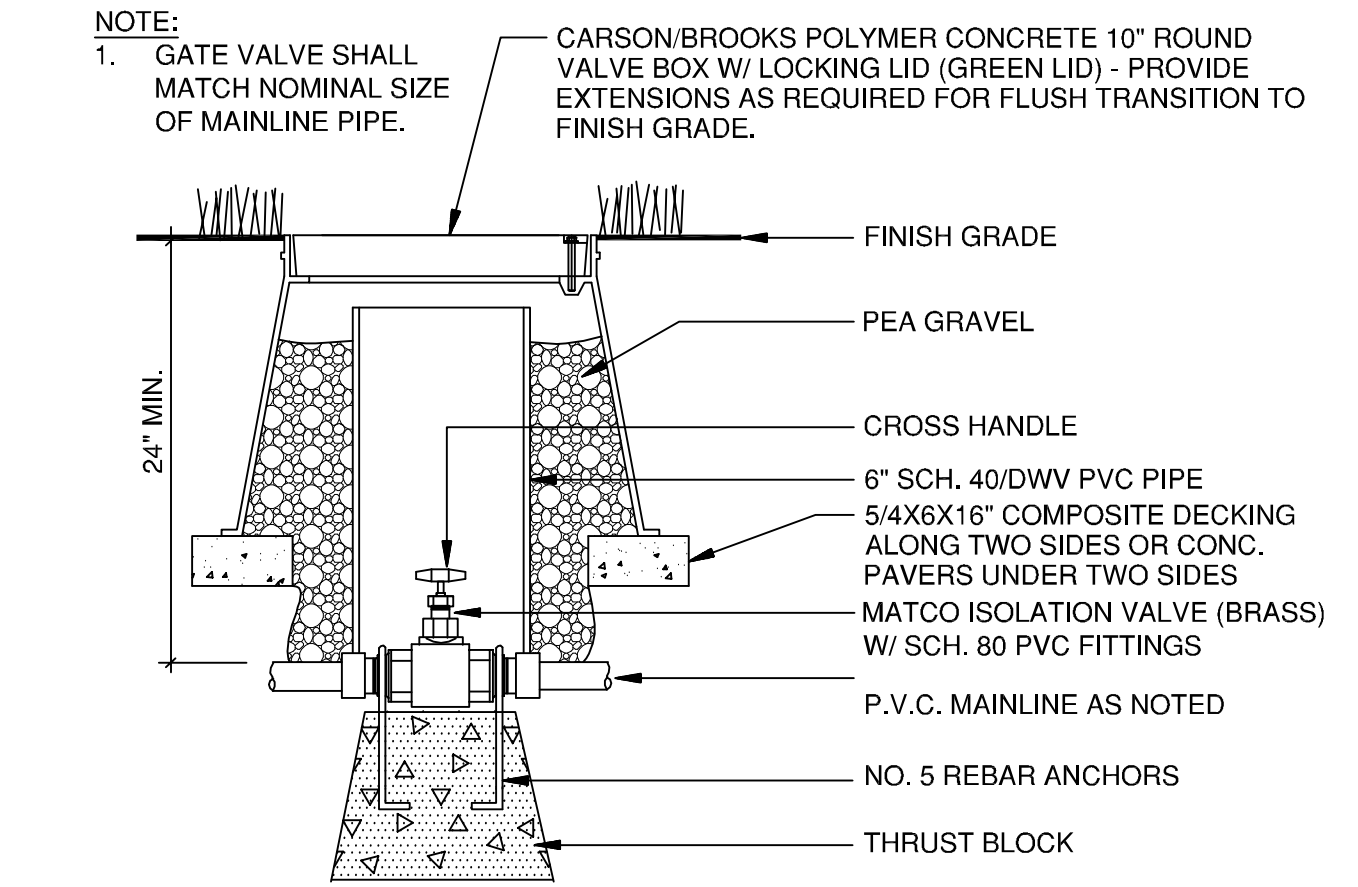
REVISIONS		
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SHEET NAME:
SKATEPARK
IRRIGATION PLAN

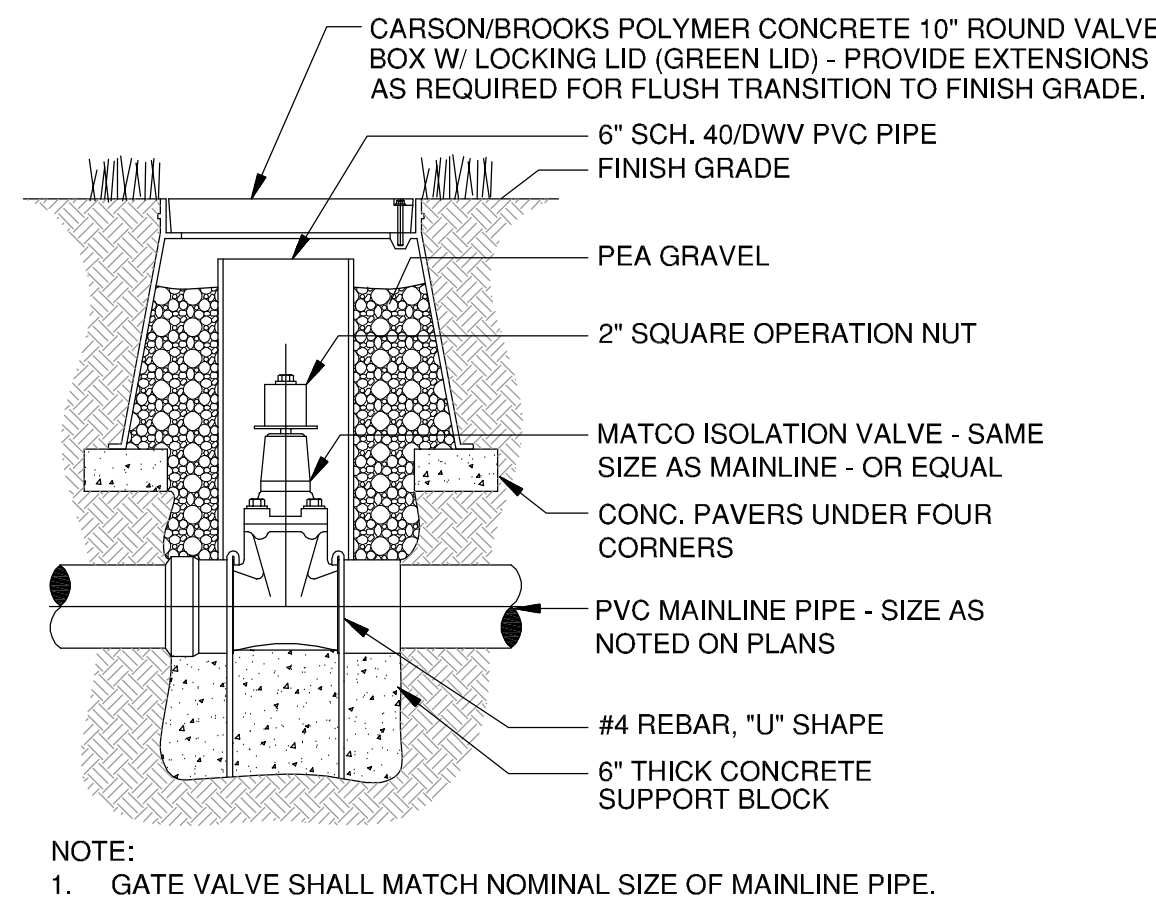
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SHEET:
SP19
OF 23
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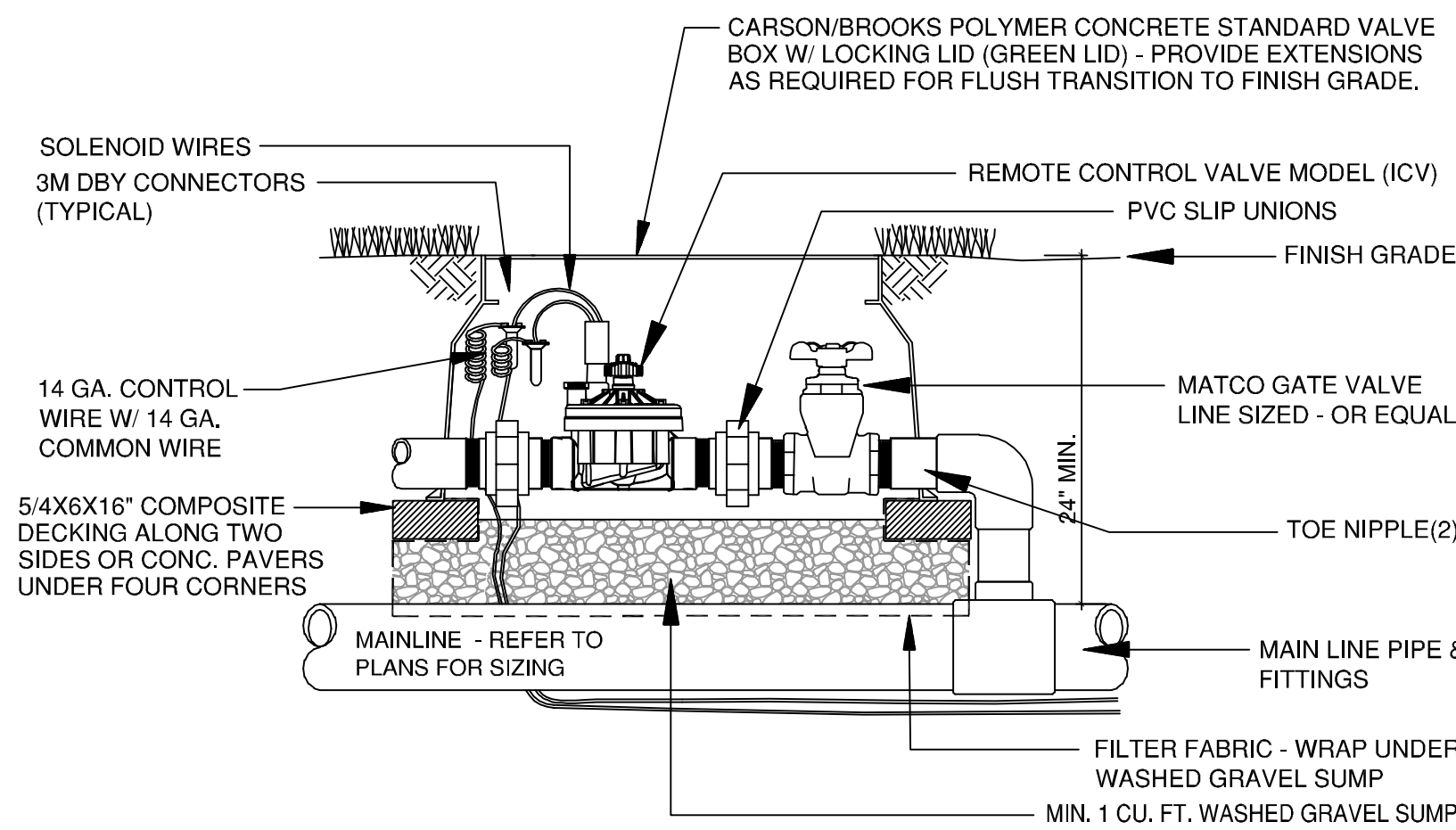




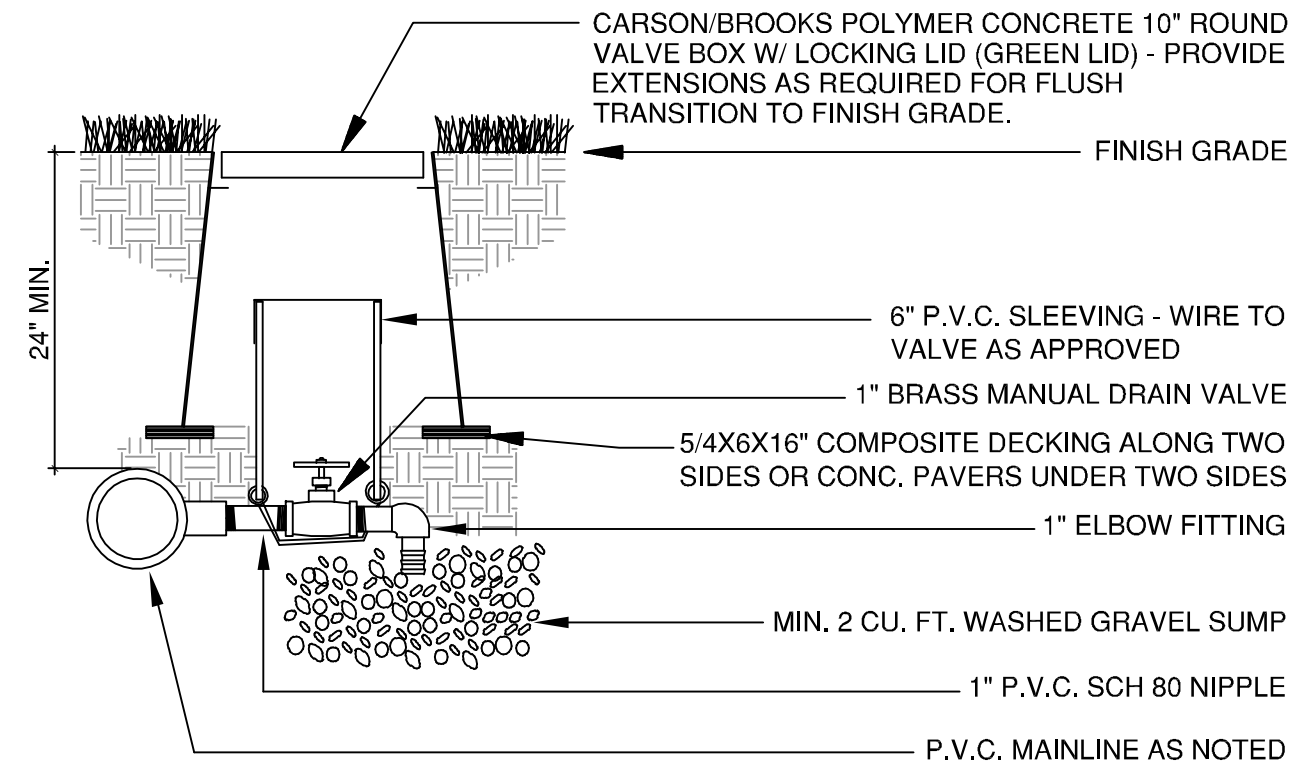
A ISOLATION / GATE VALVE DETAIL
SP21 (MAINLINE GATE VALVE SIZE - 2" AND SMALLER) NTS



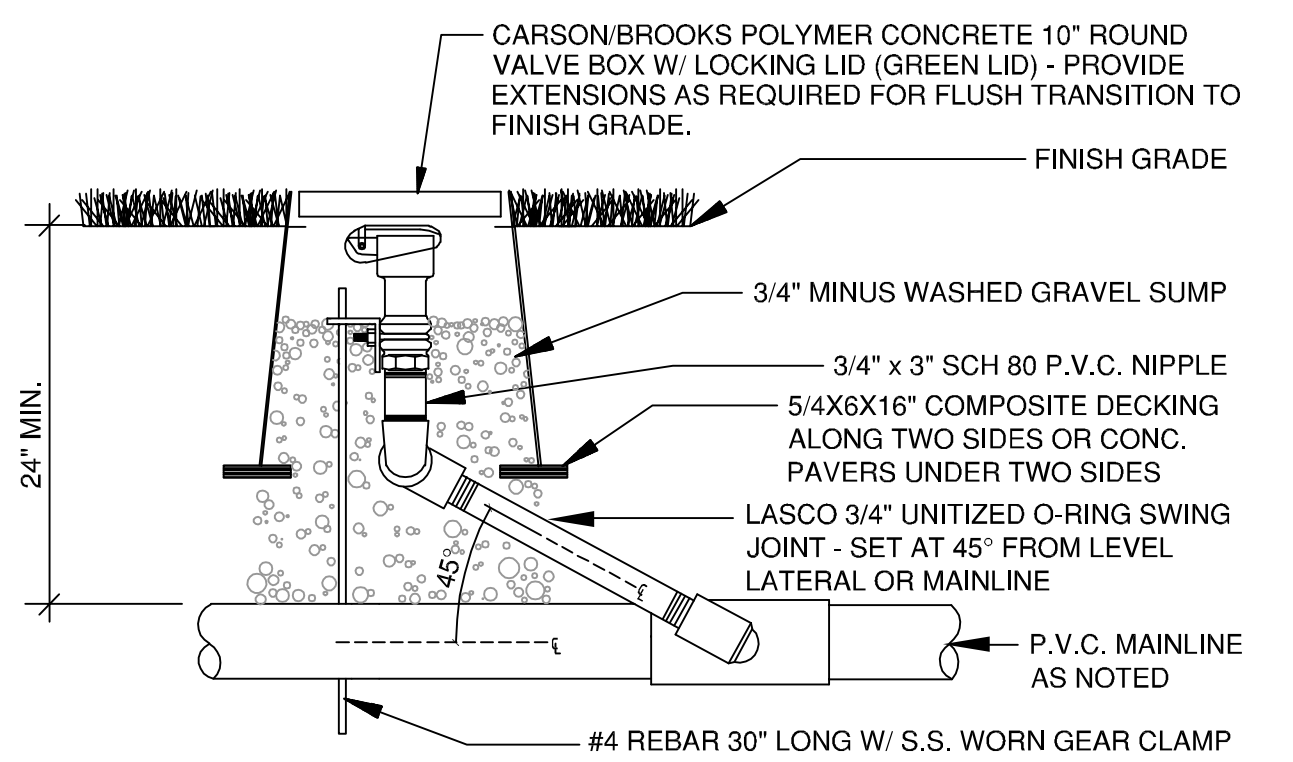
B MAINLINE ISOLATION / GATE VALVE DETAIL
SP21 (GATE VALVE SIZE - 2-1/2" AND LARGER) NTS



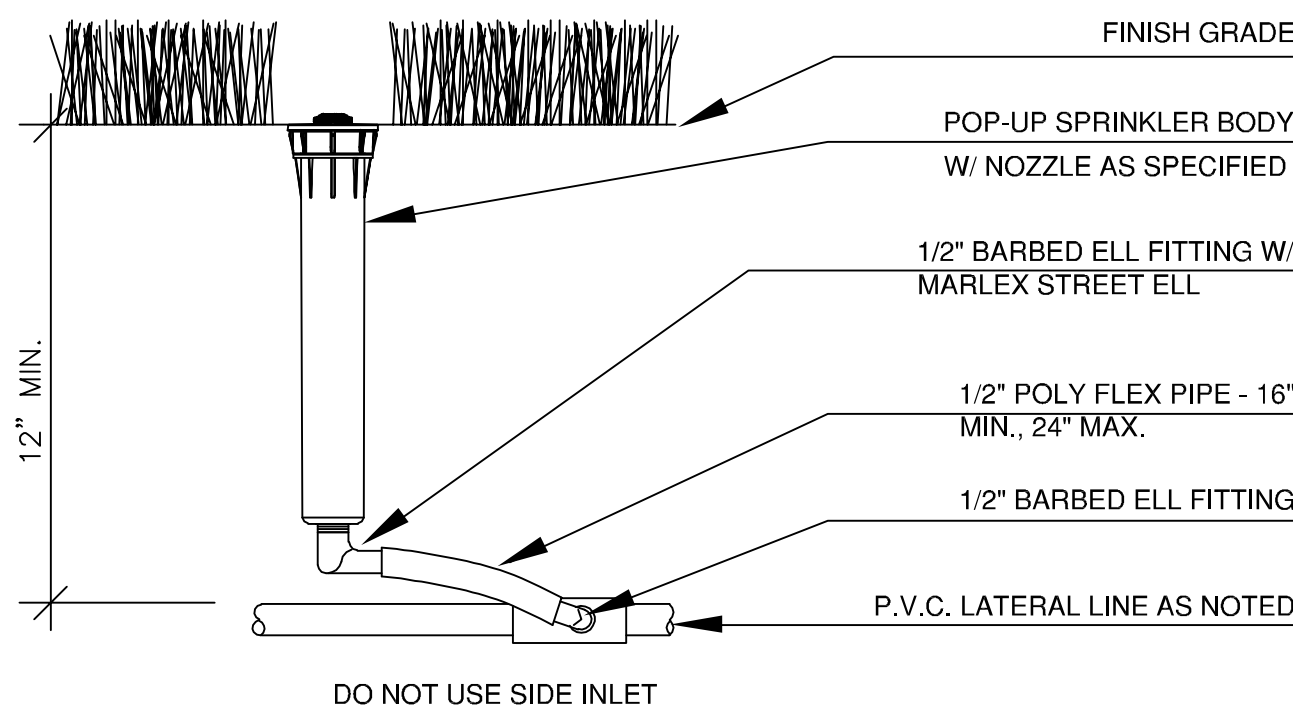
C CONTROL VALVE AND BOX DETAIL
SP21 NTS



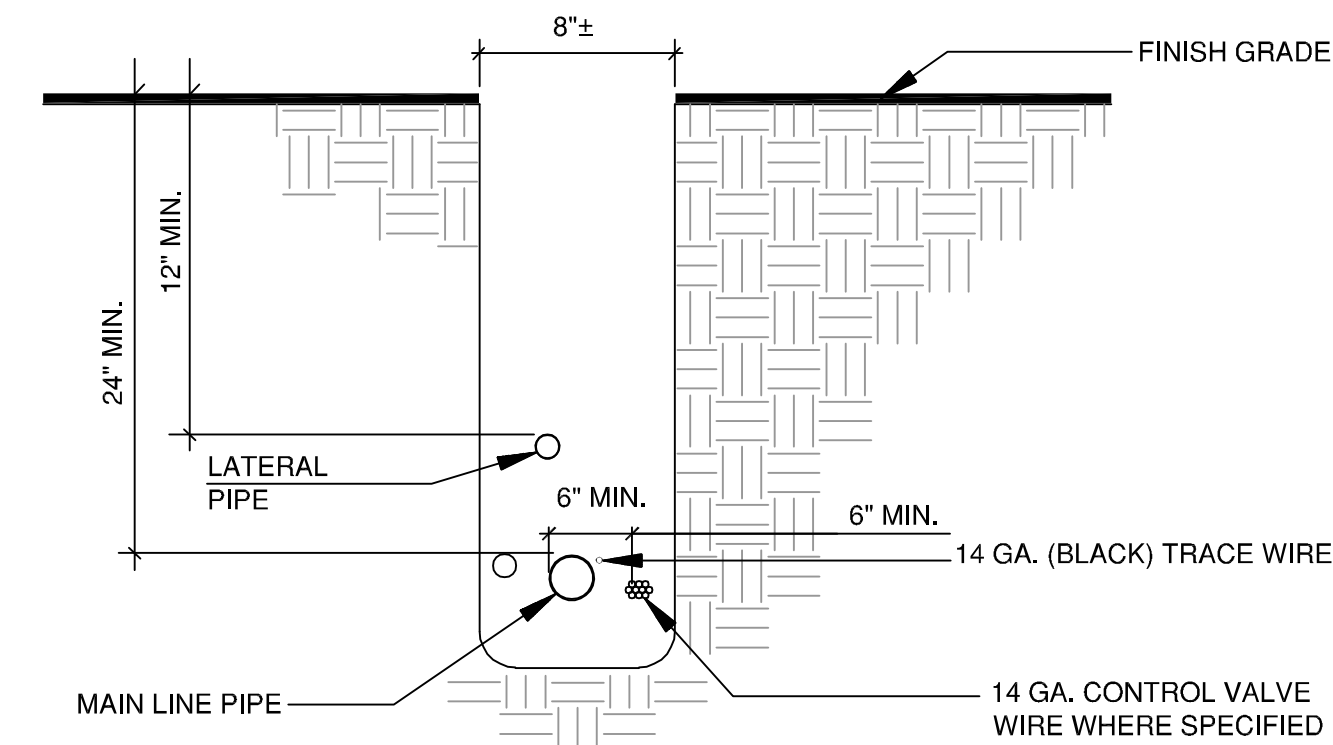
D MANUAL DRAIN VALVE DETAIL
SP21 NTS



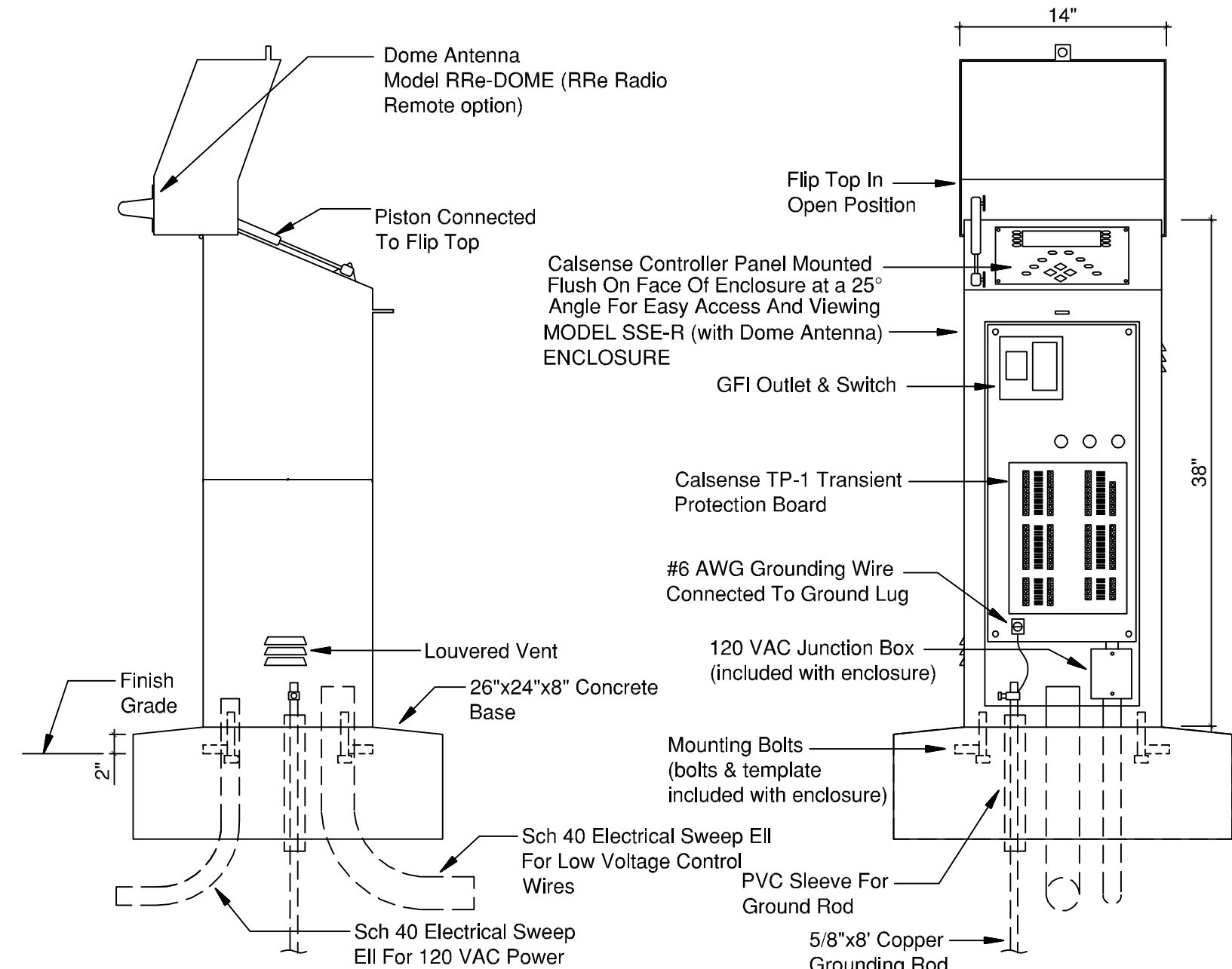
E QUICK-COUPLING VALVE DETAIL (3/4")
SP21 NTS



F MP ROTATOR SPRINKLER DETAIL
SP21 HUNTER PROS-06-PRS40-CV NTS



G TRENCH DETAIL
SP21 NTS



H IRRIGATION CONTROLLER DETAIL
SP21 (CALSENSE: ET2000e-16-EN-RRr W/ SSE-R ENCLOSURE) NTS

- NOTE
- CONTROLLER SHALL BE HARD-WIRED TO GROUND 110 or 220 VAC SOURCE.
 - CONTROLLER IS REQUIRED TO HAVE SEPARATE (2) 14 GA. PAIR. WIRE FROM CONTROLLER TO FLOW SENSOR.

CALSENSE

GENERAL NOTES

- CONTRACTOR REQUIRED TO VERIFY EXISTING IRRIGATION SYSTEM WATER SOURCE RUNNING PRIOR TO STARTING WORK. POINT OF CONNECTION AS SHOWN ON DRAWINGS IS APPROXIMATE LOCATION. ANY DEVIATION FROM PLANS ARE REQUIRED TO BE APPROVED BY LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- HOLD HEADS A MIN. 3" FROM EDGES OF ALL HARD SURFACES & 6" MIN. FROM FOUNDATION OF BLDG. WALLS.
- HUNTER SPRINKLER BODIES TO BE PROS-06-PRS40-CV (W/ MP ROTATOR NOZZLES). REFER TO DETAIL F/SP21.
- ADJUST MP ROTATOR NOZZLES TO MEET REQUIRED HEAD-TO-COVERAGE AND ARC TO MATCH LANDSCAPE.
- INSTALL VALVE BOXES PERPENDICULAR TO WALLS, WALKS, AND CURBS.
- INSTALL PIPING IN TRENCH WHERE POSSIBLE (6" MIN. SEPARATION REQUIRED).
- PLACE (1) ONE VALVE PER STANDARD VALVE BOX.
- WHERE Q.C.V. ARE SHOWN ADJACENT TO CONTROL VALVE, INSTALL IN VALVE BOX WITH CONTROL VALVE.
- THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF PROJECT SPECIFICATIONS PRIOR TO BIDDING. THE PROJECT SPECIFICATIONS ARE A PART OF THESE PLANS AND SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING WORK AS SPECIFIED IN THE PROJECT SPECIFICATIONS AND ON PLANS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES AND UTILITY LOCATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
- CONTRACTOR SHALL NOTIFY IRRIGATION DESIGNER OF ANY DISCREPANCIES ON PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
- IRRIGATION CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS OR ADDITIONS TO DESIGN WITHOUT PRIOR APPROVAL FROM IRRIGATION DESIGNER.
- ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE AND FEDERAL REQUIREMENTS. IT SHALL BE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS OR APPROVALS.
- THIS PLAN IS SCHEMATIC DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT PLAN.
- IRRIGATION CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE PRIOR TO BEGINNING INSTALLATION. CONTRACTOR SHALL NOTIFY IRRIGATION DESIGNER IF AVAILABLE WATER PRESSURE EXCEEDS 5 P.S.I. HIGHER OR LOWER THAN AVAILABLE WATER PRESSURE IS INDICATED ON PLANS.
- SINGLE BLUE TRACE WIRE REQUIRED ON TOP OF ALL IRRIGATION PIPING (MAINLINE & LATERALS).
- PLACE CONTROL WIRE 3" TO 6" AWAY FROM IRRIGATION MAIN LINE.
- IRRIGATION CONTRACTOR TO REVIEW ALL IRRIGATION ZONES WITH OWNER'S REPRESENTATIVE UPON INSTALLATION COMPLETION.

ALL PRODUCTS/MATERIALS ARE TO BE AS IDENTIFIED ON APPROVED PLANS AND SPECIFICATIONS. NO PRODUCT/MATERIAL SUBSTITUTIONS UNLESS APPROVED BY OWNER OR IRRIGATION SYSTEM DESIGNER DURING BIDDING PHASE.