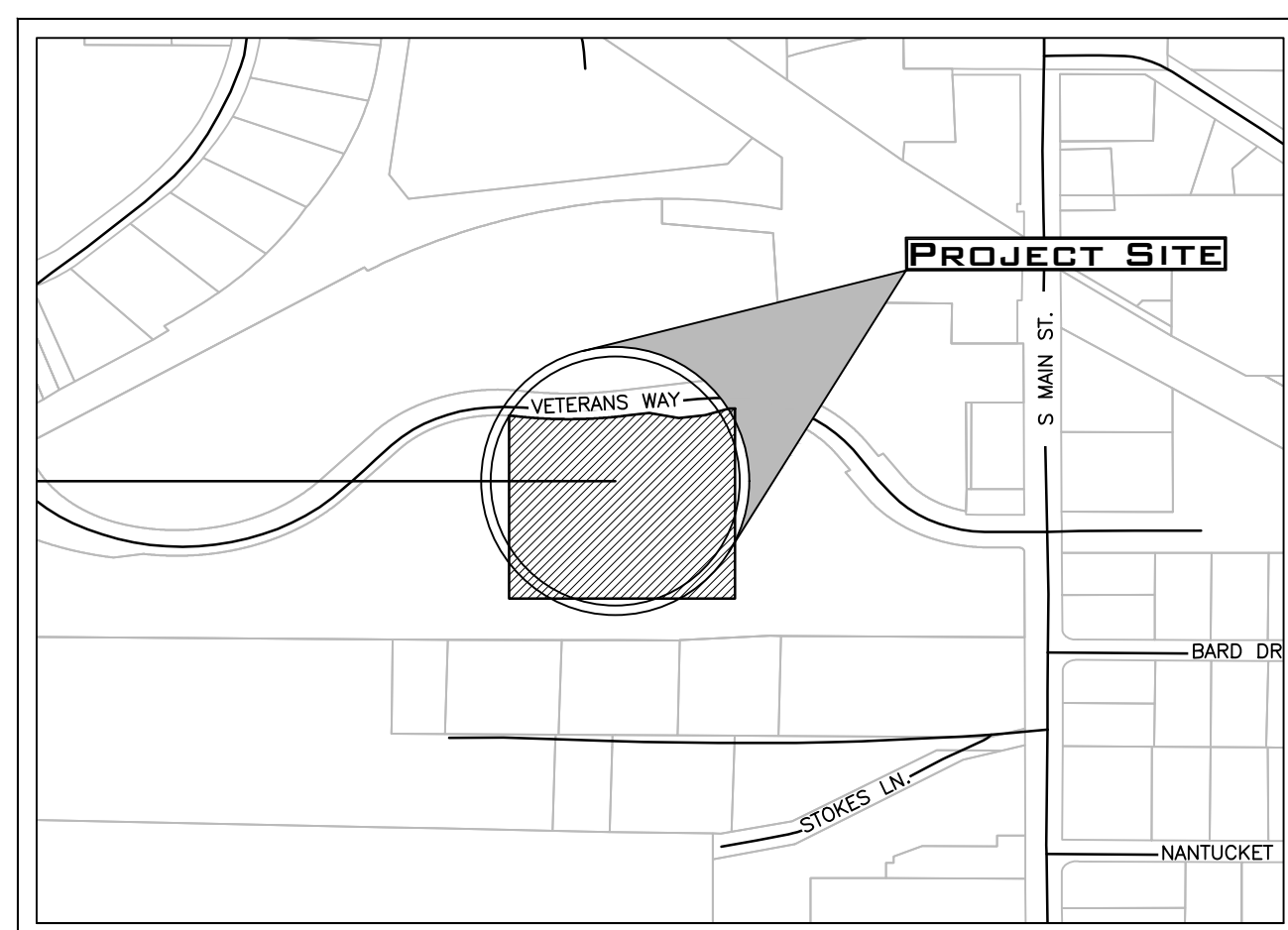


IMPROVEMENT PLANS FOR HUDSON SKATEPARK VETERANS WAY PARK

THE CITY OF HUDSON, COUNTY OF
SUMMIT AND STATE OF OHIO

INDEX TO DRAWINGS

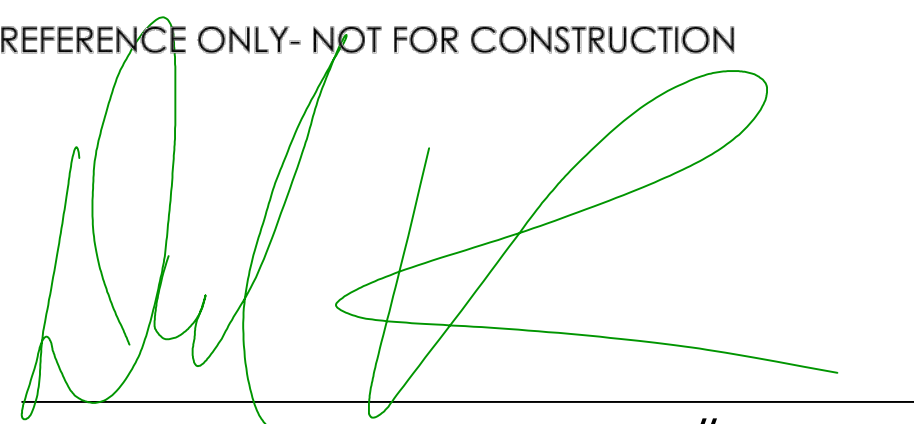
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VICINITY MAP
SCALE: 1" = 400'



RENDERING FOR REFERENCE ONLY- NOT FOR CONSTRUCTION


DAVID PIETRANTONE P.E. #61756

11/15/2019
DATE

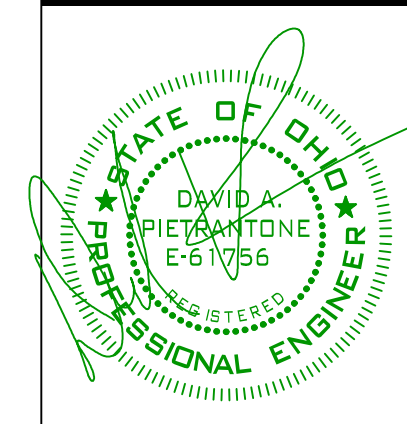


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Seattle WA 98106
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100% SET

SCALE:

TITLE PAGE

PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OHIO

SHEET:
C1.01

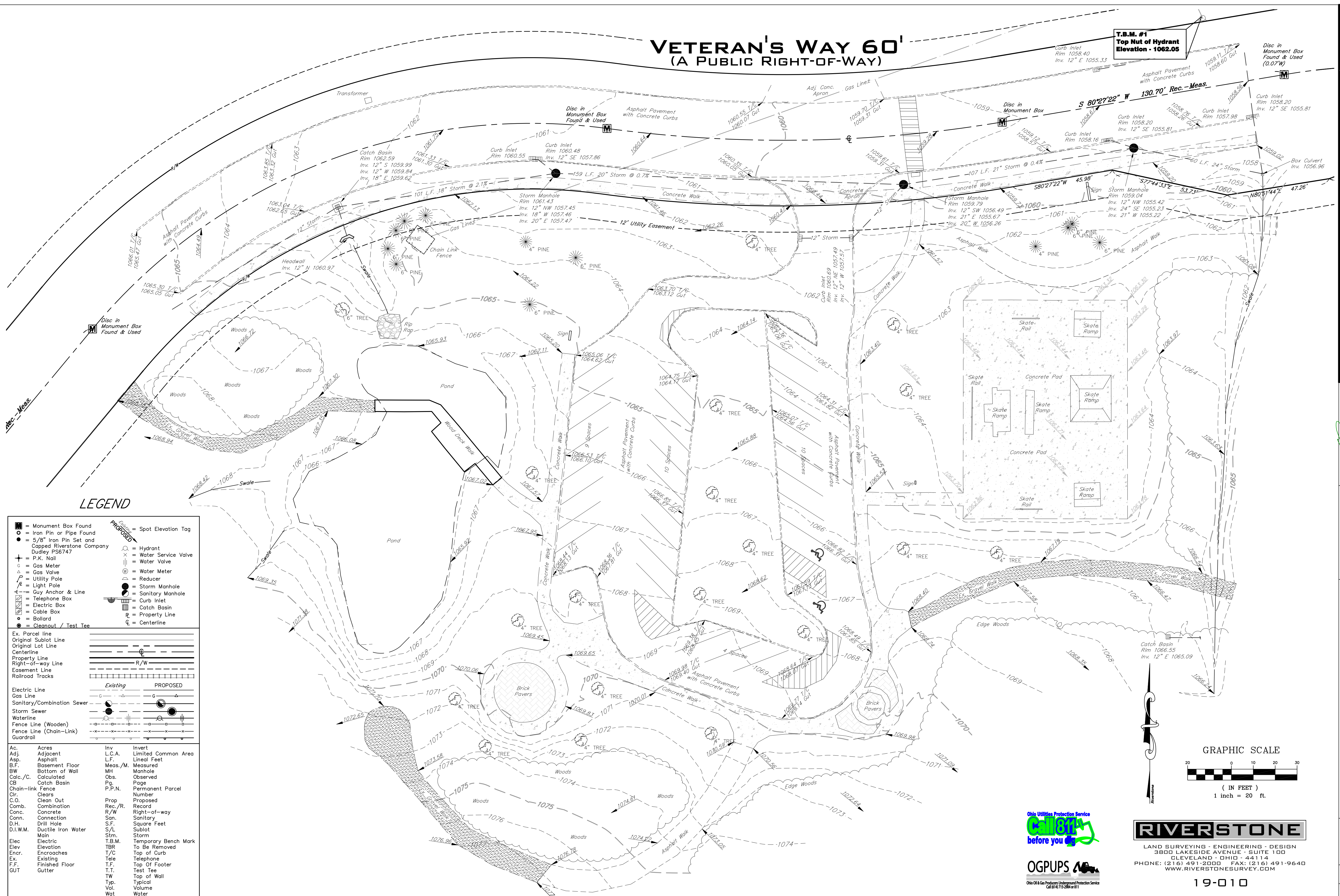
DATE: 11/15/19

DRAWN BY: JPD
CHECKED BY: DAP

VETERAN'S WAY 60'

(A PUBLIC RIGHT-OF-WAY)

T.B.M. #1
Top Nut of Hydrant
Elevation - 1062.05

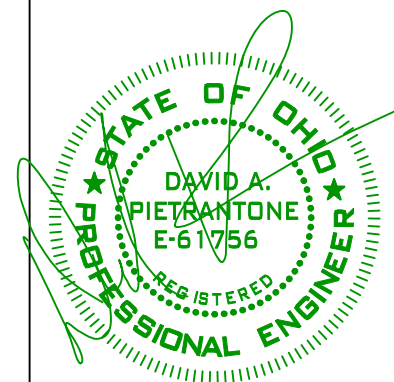


LEGEND

<ul style="list-style-type: none"> Monument Box Found Iron Pin or Pipe Found 5/8" Iron Pin Set and Capped P.K. Nail Gas Meter Gas Valve Utility Pole Light Pole Guy Anchor & Line Telephone Box Electric Box Cable Box Bollard Cleanout / Test Tee 	<ul style="list-style-type: none"> Spot Elevation Tag Hydrant Water Service Valve Water Valve Water Meter Reducer Storm Manhole Sanitary Manhole Curb Inlet Catch Basin Property Line Centerline
<ul style="list-style-type: none"> Ex. Parcel Line Original Sublot Line Original Lot Line Centerline Property Line Right-of-way Line Easement Line Railroad Tracks 	<ul style="list-style-type: none"> Existing PROPOSED
<ul style="list-style-type: none"> Electric Line Gas Line Sanitary/Combination Sewer Storm Sewer Waterline Fence Line (Wooden) Fence Line (Chain-Link) Guardrail 	<ul style="list-style-type: none"> Inv L.C.A. L.F. Meas./M. MH Obs. Pg. P.P.N. Prop Rec./R. R/W Sanitary S.F. S/L Stm. T.B.M. TBR T/C Tele T.F. T.T. TW Typ. Vol. Wat
<ul style="list-style-type: none"> Ac. Acres Adj. Adjacent Asp. Asphalt B.F. Basement Floor BW Bottom of Wall Calc./C. Calculated CB Catch Basin Chain-link Fence Cir. Clears C.O. Clean Out Comb. Combination Conc. Concrete Conn. Connection D.H. Drill Hole D.I.W.M. Ductile Iron Water Main Elec. Electric Elev. Elevation Encr. Encroaches Ex. Existing F.F. Finished Floor GUT Gutter 	<ul style="list-style-type: none"> Invert Limited Common Area Lineal Feet Measured Manhole Observed Page Permanent Parcel Number Proposed Record Right-of-way Sanitary Square Feet Sublot Storm Temporary Bench Mark To Be Removed Top of Curb Sanitary Telephone Top Of Footer Test Tee Top of Wall Typical Volume Water



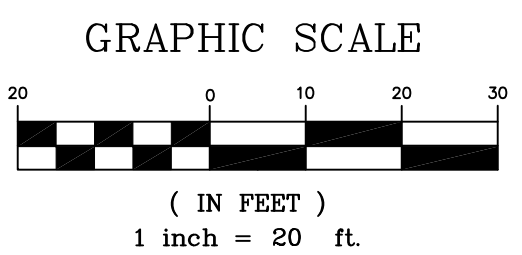
RIVERSTONE
CONCRETE SKATEPARK DESIGN & CONSTRUCTION



100% SET
SCALE: 1" = 20'

EXISTING CONDITIONS
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OHIO

SHEET: C2.01
DATE: 11/15/19
DRAWN BY: JPD
CHECKED BY: DAP

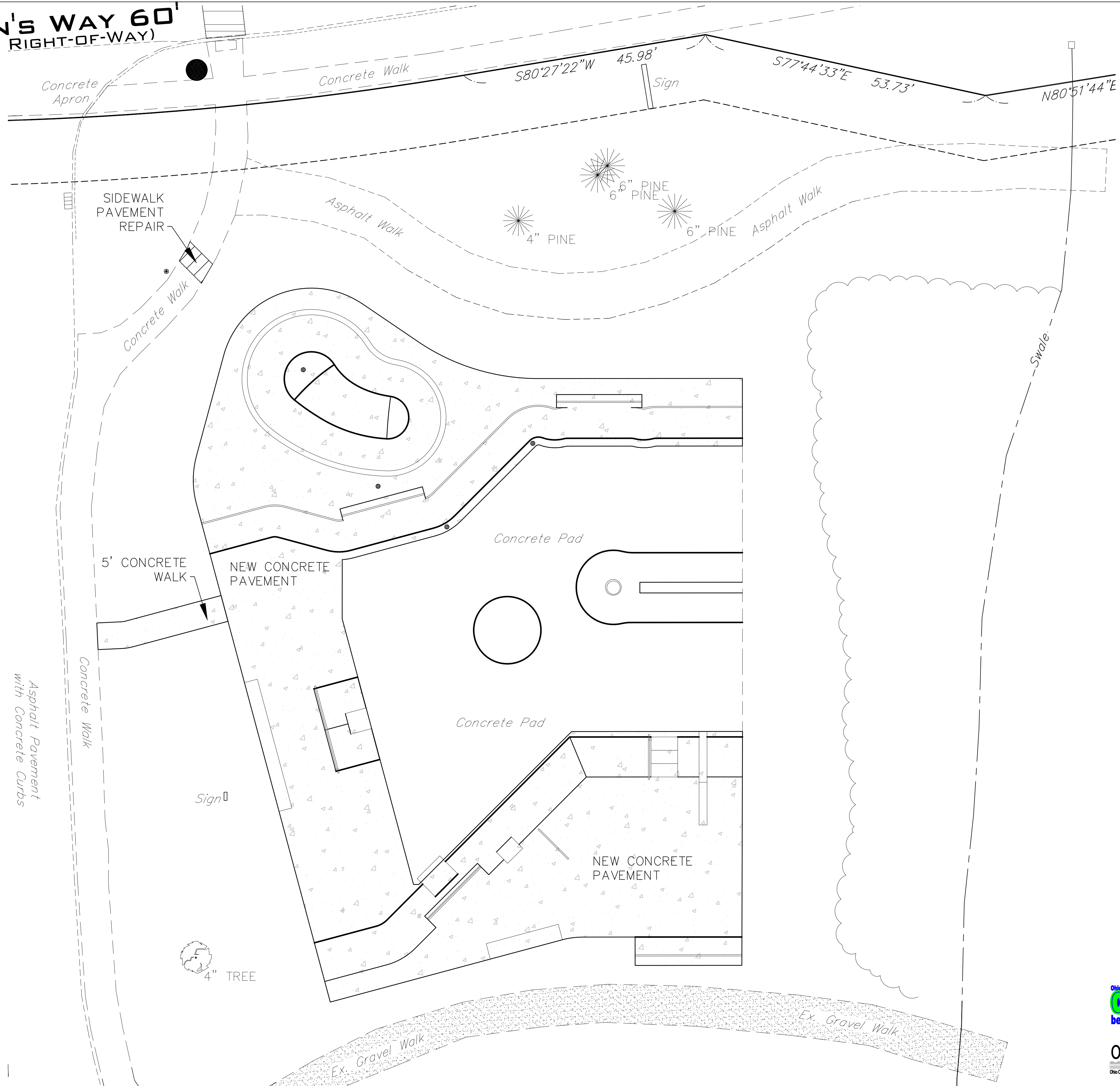


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before you dig
OGPUPS
Ohio Oil & Gas Produces Underground Protection Service
Call 811/715-2344 or 811

19-010

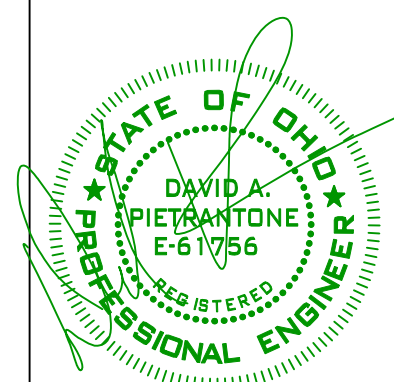
VETERAN'S WAY 60'
(A PUBLIC RIGHT-OF-WAY)



LEGEND

<ul style="list-style-type: none"> ■ = Monument Box Found ○ = Iron Pin or Pipe Found ● = 5/8" Iron Pin Set and Capped Riverstone Company Dudley P56747 + = P.K. Nail ⊕ = Gas Meter ⊙ = Gas Valve ⊕ = Utility Pole ⊕ = Light Pole ⊕ = Guy Anchor & Line ⊕ = Telephone Box ⊕ = Electric Box ⊕ = Cable Box ● = Ballard ● = Cleanout / Test Tee 	<ul style="list-style-type: none"> ○ = Hydrant ⊕ = Water Service Valve ⊕ = Water Valve ⊕ = Water Meter ⊕ = Reducer ⊕ = Storm Manhole ⊕ = Sanitary Manhole ⊕ = Curb Inlet ⊕ = Catch Basin ⊕ = Property Line ⊕ = Centerline
<ul style="list-style-type: none"> --- = Ex. Parcel Line --- = Original Sublot Line --- = Original Lot Line --- = Centerline --- = Property Line --- = Right-of-way Line --- = Easement Line --- = Railroad Tracks 	<ul style="list-style-type: none"> --- = Existing --- = PROPOSED
<ul style="list-style-type: none"> --- = Electric Line --- = Gas Line --- = Sanitary/Combination Sewer --- = Storm Sewer --- = Waterline --- = Fence Line (Wooden) --- = Fence Line (Chain-Link) --- = Guardrail 	<ul style="list-style-type: none"> --- = Spot Elevation Tag

Ac. = Acres	Inv = Invert	L.C.A. = Limited Common Area
Adj. = Adjacent	L.F. = Lineal Feet	Meas./M. = Measured Manhole
Asp. = Asphalt	MH = Manhole	Obs. = Observed
B.F. = Basement Floor	Pg. = Page	P.P.N. = Permanent Parcel Number
BW = Bottom of Wall	Prop. = Proposed	Rec./R. = Record
Calc./C. = Calculated	Rec./R. = Record	R/W = Right-of-way
CB = Catch Basin	R/W = Right-of-way	San. = Sanitary
Chain-link = Fence	S.F. = Square Feet	S/L = Sublot
Clr. = Clears	S/L = Sublot	Stm. = Storm
C.O. = Clean Out	Stm. = Storm	T.B.M. = Temporary Bench Mark
Comb. = Combination	T.B.M. = Temporary Bench Mark	T/C = Top of Curb
Conc. = Concrete	T/C = Top of Curb	Tele = Telephone
Conn. = Connection	Tele = Telephone	T.F. = Top of Footer
D.H. = Drill Hole	T.F. = Top of Footer	T.T. = Test Tee
D.I.W.M. = Ductile Iron Water Main	T.T. = Test Tee	TW = Top of Wall
Elev = Elevation	TW = Top of Wall	Typ. = Typical
Encr. = Encroaches	Typ. = Typical	Vol. = Volume
Ex. = Existing	Vol. = Volume	Wat = Water
F.F. = Finished Floor	Wat = Water	
GUT = Gutter		



100% SET

SCALE: 1" = 10'

SITE PLAN
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OHIO

SHEET: C3.01

DATE: 11/15/19
DRAWN BY: JPD
CHECKED BY: DAP

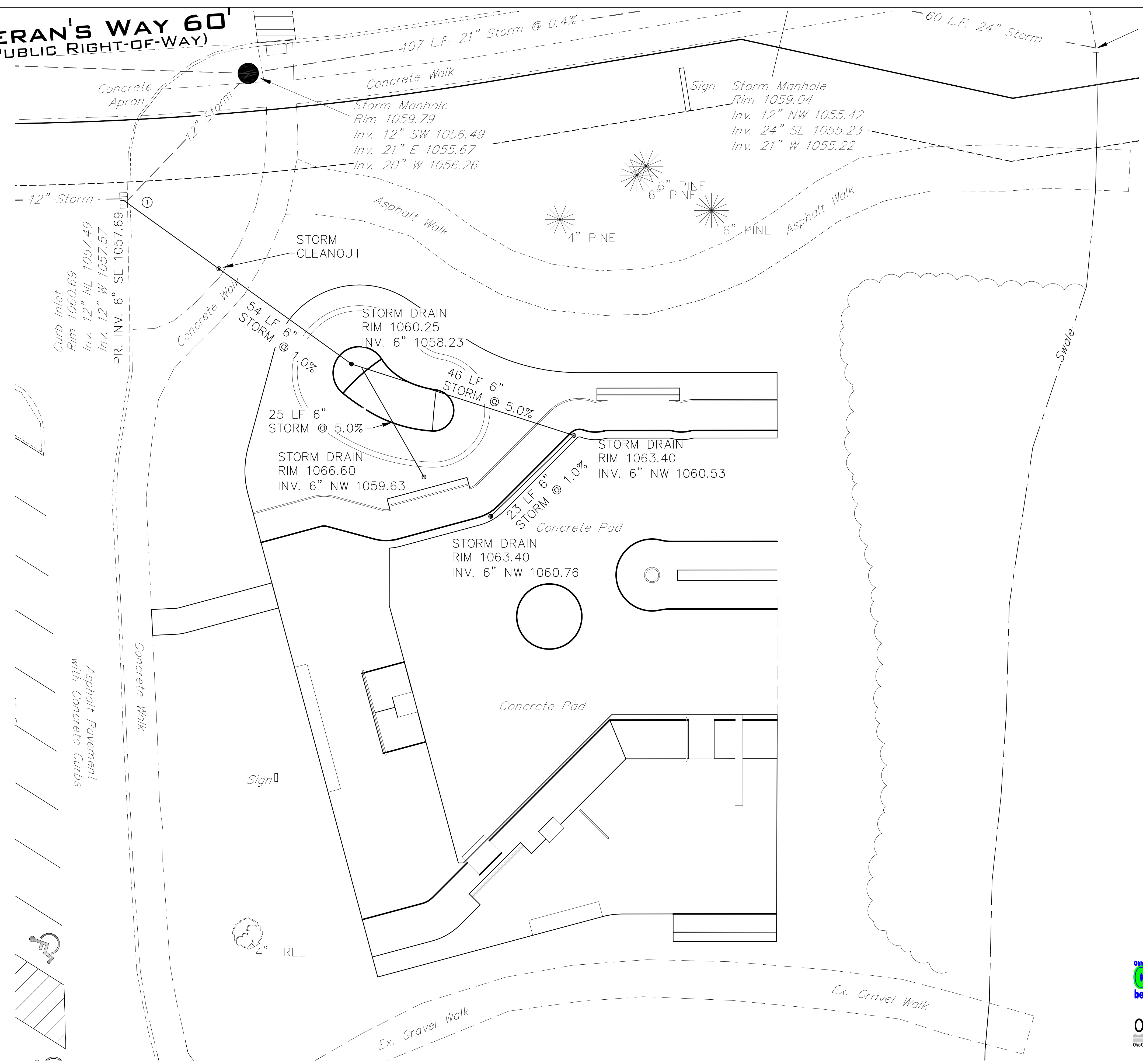


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VETERAN'S WAY 60'
(A PUBLIC RIGHT-OF-WAY)



NOTES:

- 1 PROPOSED 6" STORM SEWER SHALL BE CONNECTED TO EXISTING CURB INLET WITH RUBBER BOOT TO PROVIDE WATER TIGHT SEAL.

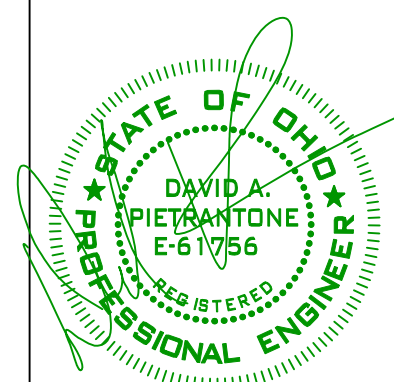
LEGEND

■ = Monument Box Found	○ = Spot Elevation Tag
● = Iron Pin or Pipe Found	○ = Hydrant
● = 5/8" Iron Pin Set and Capped Riverstone Company Dudley PS6747	○ = Water Service Valve
○ = P.K. Nail	○ = Water Valve
○ = Gas Meter	○ = Water Meter
○ = Gas Valve	○ = Reducer
○ = Utility Pole	○ = Storm Manhole
○ = Light Pole	○ = Sanitary Manhole
○ = Guy Anchor & Line	○ = Curb Inlet
○ = Telephone Box	○ = Catch Basin
○ = Electric Box	○ = Property Line
○ = Cable Box	○ = Centerline
○ = Bollard	
○ = Cleanout / Test Tee	

Ex. Parcel Line	---
Original Sublot Line	---
Original Lot Line	---
Centerline	---
Property Line	---
Right-of-way Line	---
Easement Line	---
Railroad Tracks	---

Electric Line	---	Existing	---	PROPOSED	---
Gas Line	---	Existing	---	PROPOSED	---
Sanitary/Combination Sewer	---	Existing	---	PROPOSED	---
Storm Sewer	---	Existing	---	PROPOSED	---
Waterline	---	Existing	---	PROPOSED	---
Fence Line (Wooden)	---	Existing	---	PROPOSED	---
Fence Line (Chain-Link)	---	Existing	---	PROPOSED	---
Guardrail	---	Existing	---	PROPOSED	---

Ac.	Acres	Inv	Invert
Adj.	Adjacent	L.C.A.	Limited Common Area
Asp.	Asphalt	L.F.	Lineal Feet
B.F.	Basement Floor	Meas./M.	Measured Manhole
BW	Bottom of Wall	MH	Manhole
Calc./C.	Calculated	Obs.	Observed
CB	Catch Basin	Pg.	Page
Chain-link	Fence	P.P.N.	Permanent Parcel Number
Clr.	Clears	Prop	Proposed
C.O.	Clean Out	Rec./R.	Record
Comb.	Combination	R/W	Right-of-way
Conc.	Concrete	San.	Sanitary
Conn.	Connection	S.F.	Square Feet
D.H.	Drill Hole	S/L	Sublot
D.I.W.M.	Ductile Iron Water Main	Stm.	Storm
Elec	Electric	T.B.M.	Temporary Bench Mark
Elev	Elevation	TBR	To Be Removed
Encr.	Encroaches	T/C	Top of Curb
Ex.	Existing	Tele	Telephone
F.F.	Finished Floor	T.O.F.	Top of Footer
GUT	Gutter	T.T.	Test Tee
		TW	Top of Wall
		Typ.	Typical
		Vol.	Volume
		Wat	Water



100% SET

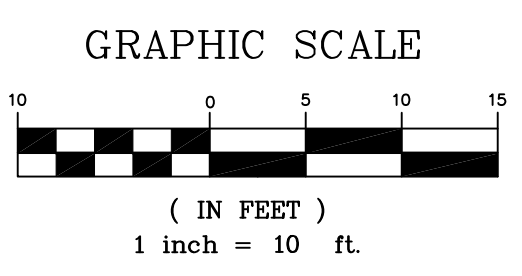
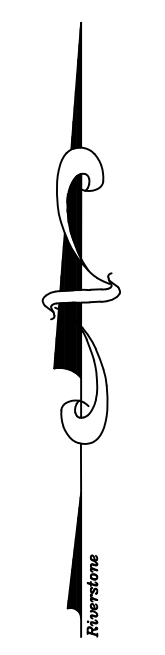
SCALE: 1" = 10'

UTILITY PLAN
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OHIO

SHEET: C4.01

DATE: 11/15/19

DRAWN BY: JPD
CHECKED BY: DAP



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VETERAN'S WAY 60'

(A PUBLIC RIGHT-OF-WAY)



GRADING LEGEND:
 ME MATCH EXISTING
 TT TOP OF TRANSITION
 BT BOTTOM OF TRANSITION
 TB TOP OF BANK
 EOC EDGE OF CONCRETE

LEGEND

<ul style="list-style-type: none"> ■ = Monument Box Found ○ = Iron Pin or Pipe Found ● = 5/8" Iron Pin Set and Capped Riverstone Company Dudley P56747 ⊕ = P.K. Nail ⊙ = Gas Meter ⊙ = Gas Valve ⊙ = Utility Pole ⊙ = Light Pole ⊙ = Guy Anchor & Line ⊙ = Telephone Box ⊙ = Cable Box ⊙ = Bollard ⊙ = Cleanout / Test Tee 	<ul style="list-style-type: none"> ○ = Spot Elevation Tag ⊙ = Hydrant ⊙ = Water Service Valve ⊙ = Water Valve ⊙ = Water Meter ⊙ = Reducer ⊙ = Storm Manhole ⊙ = Sanitary Manhole ⊙ = Curb Inlet ⊙ = Catch Basin ⊙ = Property Line ⊙ = Centerline
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<ul style="list-style-type: none"> — = Ex. Parcel Line — = Original Sublot Line — = Original Lot Line — = Centerline — = Property Line — = Right-of-way Line — = Easement Line — = Railroad Line — = Railroad Tracks 	<ul style="list-style-type: none"> — = Existing — = PROPOSED
---	--

<ul style="list-style-type: none"> — = Electric Line — = Gas Line — = Sanitary/Combination Sewer — = Storm Sewer — = Waterline — = Fence Line (Wooden) — = Fence Line (Chain-Link) — = Guardrail 	<ul style="list-style-type: none"> — = Inv — = L.C.A. — = L.F. — = Meas./M. — = MH — = Obs. — = Pg. — = P.P.N. — = Number — = Prop — = Rec./R. — = R/W — = San. — = S.F. — = S/L — = Sublot — = Stm. — = T.B.M. — = TBR — = T/C — = Tele — = T.F. — = T.T. — = TW — = Typ. — = Vol. — = Wat
--	--

Ac. Acres
 Adj. Adjacent
 Asp. Asphalt
 B.F. Basement Floor
 BW Bottom of Wall
 Calc./C. Calculated
 CB Catch Basin
 Chain-link Chain-link
 Clr. Clears
 C.O. Clean Out
 Comb. Combination
 Conc. Concrete
 Conn. Connection
 D.H. Drill Hole
 D.I.W.M. Ductile Iron Water Main
 Elec. Electric
 Elev. Elevation
 Enchr. Encroaches
 Ex. Existing
 F.F. Finished Floor
 GUT Gutter

Inv. Invert
 L.C.A. Limited Common Area
 L.F. Lineal Feet
 Meas./M. Measured
 MH Manhole
 Obs. Observed
 Pg. Page
 P.P.N. Permanent Parcel Number
 Prop. Proposed
 Rec./R. Record
 R/W Right-of-way
 San. Sanitary
 S.F. Square Feet
 S/L Sublot
 Stm. Storm
 T.B.M. Temporary Bench Mark
 TBR To Be Removed
 T/C Top of Curb
 Tele. Telephone
 T.F. Top of Footer
 T.T. Test Tee
 TW Top of Wall
 Typ. Typical
 Vol. Volume
 Wat. Water

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 www.riverstone.com

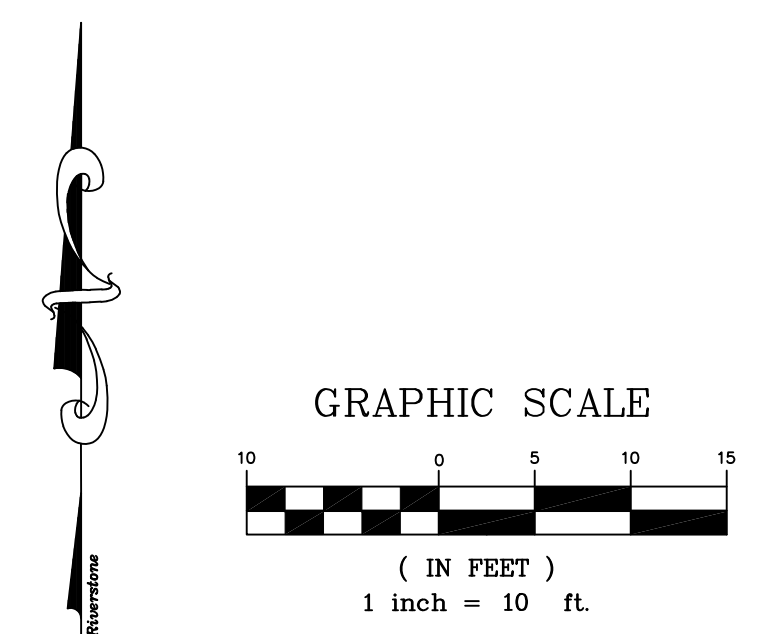
DAVID A. PIETRANTONI
 E-61756
 REGISTERED PROFESSIONAL ENGINEER

100% SET

SCALE: 1" = 10'

GRADING PLAN

PROJECT: HUDSON SKATEPARK
 LOCATION: HUDSON, OHIO



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SHEET: **C5.01**

DATE: **11/15/19**

DRAWN BY: **JPD**
 CHECKED BY: **DAP**

CITY OF HUDSON GENERAL CONSTRUCTION NOTES

- CONSTRUCTION OF THE SITE WORK AND UTILITIES SHALL BE GOVERNED BY THE CITY OF HUDSON'S "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION", LATEST EDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED FOR THE PROJECT.
- THE CONTRACTOR MUST ALERT THE OHIO UTILITY PROTECTION SERVICES AT 1-800-362-2764 AT LEAST 48 HOURS BEFORE ANY EXCAVATION IS TO BEGIN.
- ALL EXISTING APPURTENANCES (UTILITY POLES, VALVES, HYDRANTS, MANHOLES, ETC.) ARE TO BE MAINTAINED BY THE CONTRACTOR UNLESS OTHERWISE SHOWN ON THE PLANS.
- THE DESIGN ENGINEER CERTIFIES THAT ALL UTILITIES ARE SHOWN AS THEY APPEAR ON EXISTING RECORDS OR FIELD LOCATED.
- ALL KNOWN ABOVE AND UNDERGROUND SERVICES HAVE BEEN NOTED ON THE DRAWINGS. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY SERVICES DAMAGED DURING THE CONSTRUCTION OF THE PROJECT WHETHER SHOWN OR NOT ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE SERVICE AS SOON AS POSSIBLE AT THE CONTRACTOR'S OWN EXPENSE.
- VIDEO TAPING OF PROJECT SHALL BE DELIVERED AND ACCEPTED BY THE CITY OF HUDSON ENGINEERING DEPARTMENT A MINIMUM OF 14 CALENDAR DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES.
- NOTIFY THE CITY OF HUDSON ENGINEERING DEPARTMENT A MINIMUM OF FORTYEIGHT HOURS (2 WORKING DAYS) PRIOR TO THE START OF CONSTRUCTION.
- A PRECONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS (2 WORKING DAYS) AFTER SUBMISSION OF A MINIMUM OF 6 APPROVED SETS OF PLANS AND ALL SHOP DRAWINGS APPLICABLE TO THE PROPOSED IMPROVEMENTS. A PRECONSTRUCTION MEETING MUST BE HELD PRIOR TO START OF ANY CONSTRUCTION.
- THE LIMITS OF CLEARING AND GRADING SHALL BE FIELD STAKED AND LINED WITH ORANGE CONSTRUCTION FENCING 48 HOURS (2 WORKING DAYS) PRIOR TO THE PRECONSTRUCTION MEETING. AREAS BEYOND THE LIMITS OF CLEARING AND GRADING SHALL NOT BE DISTURBED INCLUDING THE STOCKPILE OF ANY MATERIALS OR CONSTRUCTION TRAFFIC.
- ALL ROAD SURFACE EASEMENTS, OR RIGHT-OF-WAY DISTURBED BY THE CONSTRUCTION OF ANY PART OF THESE IMPROVEMENTS ARE TO BE RESTORED ACCORDING TO THE CITY OF HUDSON ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION AS DIRECTED BY THE CITY OF HUDSON AND/OR ITS ENGINEER.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF HUDSON OR ITS REPRESENTATIVE IF SUSPECTED HAZARDOUS MATERIAL OR ANY OTHER MATERIAL THAT MAY CREATE A HEALTH RISK IS DISCOVERED ON SITE.
- ALL DISTURBED STORM SEWERS AND/OR APPURTENANCES, SIGNS, GUARD RAILING, MAIL AND/OR PAPER BOXES, DRIVE CULVERTS, FENCES, TREES, LANDSCAPING, OR OTHER ITEMS DISTURBED BY THE CONSTRUCTION SHALL BE RESTORED OR REPAIRED TO AT LEAST THE BEFORE-CONSTRUCTION CONDITION.
- ANY DEFECTS DISCOVERED IN NEW CONSTRUCTION, WORKMANSHIP, EQUIPMENT OR MATERIALS SHALL BE REPAIRED, OR CORRECTED BY APPROVED METHODS AS DIRECTED BY THE CITY OF HUDSON.
- NUCLEAR COMPACTION TESTING SHALL BE REQUIRED FOR ALL FILL AREAS OVER TWO FEET (2') IN DEPTH, AT 6" LIFTS PER ASTM A-1557, 95% MODIFIED.
- APPROVAL BY THE CITY OF HUDSON ENGINEER CONSTITUTES NEITHER EXPRESSED NOR IMPLIED WARRANTIES AS TO THE FITNESS, ACCURACY, OR SUFFICIENCY OF PLANS, DESIGNS OR SPECIFICATIONS.
- DURING TAPPING OF EXISTING UTILITIES, ANY TRAFFIC CONTROL REQUESTED OR REQUIRED BY THE CITY OF HUDSON WILL BE PROVIDED BY THE CONTRACTOR AT NO COST TO THE CITY.
- COMPLIANCE WITH THE OCCUPATIONAL AND SAFETY ACT OF 1970 IS REQUIRED BY ALL CONTRACTORS ON THIS PROJECT. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- ALL DISTURBED AREAS SHALL RECEIVE 4" OF TOPSOIL AND BE SEEDED AND MULCHED AS PER SECTION 9 - LANDSCAPING AND STREET TREES OF THE CITY'S ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION, LATEST EDITION.
- IF MUD, SOIL, OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS, OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AS DIRECTED BY THE CITY OF HUDSON OR ITS ENGINEER AT THE END OF EACH WORK DAY, OR AS REQUIRED DURING THE WORK DAY.
- ALL PROPOSED SLOPES 3:1 OR STEEPER AND ALL EARTHEN DRAINAGE WAYS SHALL RECEIVE JUTE OR EXCELSIOR MATTING AS PER ODOT 667 OR 668.
- ALL STORM SEWERS WITHIN PUBLIC RIGHTS-OF-WAY AND CITY OF HUDSON EASEMENTS SHALL BE PER SECTION 4 - STORM COLLECTION OF THE CITY'S "ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION", LATEST EDITION.
- ALL PIPES SHALL BE PLACED OVER 4" OF BEDDING. BEDDING MATERIAL SHALL BE AS SPECIFIED IN CITY'S ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION, LATEST EDITION, FOR THE TYPE OF PIPE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROL SHALL BE COORDINATED WITH THE CITY OF HUDSON POLICE DEPARTMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PLANT TICKETS FOR ALL MATERIALS DELIVERED TO THE SITE. PLANT TICKETS MUST SHOW NET QUANTITY OF DELIVERED MATERIAL. MATERIAL DELIVERED OR PLACED WITHOUT PLANT TICKETS SHALL BE REMOVED AND PROPERLY DISPOSED AT THE EXPENSE OF THE CONTRACTOR.
- ALL DELIVERED MATERIALS SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF HUDSON OR OTHER APPLICABLE AGENCIES. THE CITY OF HUDSON, OR ITS REPRESENTATIVE, RESERVES THE RIGHT TO REJECT ANY DELIVERED MATERIAL WHICH DOES NOT CONFORM TO THE APPLICABLE STANDARDS AND SPECIFICATIONS.
- THE CITY OF HUDSON OR ITS REPRESENTATIVE, RESERVES THE RIGHT TO HALT ALL CONSTRUCTION ACTIVITY FOR NONCONFORMANCE OF PLANS, SPECIFICATIONS AND OTHER APPLICABLE STANDARDS OR REGULATIONS.
- ALL CHANGES TO APPROVED DRAWINGS AND/OR SPECIFICATIONS MUST BE REAPPROVED BY THE CITY OF HUDSON PRIOR TO CONSTRUCTION.
- ALL PAVING MATERIAL MUST BE PROVIDED BY ODOT CERTIFIED SUPPLIER. WRITTEN PROOF SHALL BE REQUIRED UPON DELIVERY OF MATERIALS. THE CERTIFIED MIX DESIGN MUST BE SUBMITTED TO, AND APPROVED BY, THE CITY OF HUDSON PRIOR TO SCHEDULING A PRECONSTRUCTION MEETING.
- CONTRACTOR/DEVELOPER SHALL PROVIDE ALL REQUIRED ROADWAY SIGNAGE AS PER ODOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES INCLUDING STREET IDENTIFICATION SIGNAGE PER CITY STANDARDS FOR ALL ASPECTS OF THE IMPROVEMENT.
- ALL BONDS AND OR LETTERS OF CREDIT SHALL NOT BE RELEASED OR REDUCED AND NO WATER OR SANITARY SEWER CUSTOMERS CAN BE CONNECTED UNTIL ALL RECORD DRAWINGS HAVE BEEN SUBMITTED, REVIEWED AND APPROVED BY THE CITY OF HUDSON.
- ALL WORK, EXCEPT SIDEWALKS, STREET TREES AND STREET LIGHTS, AS PART OF THESE PLANS SHALL BE COMPLETED, INCLUDING PUNCH LIST ITEMS AND DEFICIENCY WORK WITHIN 1 YEAR OF THE DATE OF APPROVAL BY THE CITY ENGINEER. SIDEWALKS, STREET TREES AND STREET LIGHTS SHALL BE COMPLETED WITHIN TWO YEARS OF THE DATE OF APPROVAL BY THE CITY ENGINEER.
- FAILURE TO COMPLETE THE PROJECT IN ITS ENTIRETY AS APPROVED BY THE PLANNING COMMISSION, INCLUDING PUNCH LIST ITEMS, WILL RESULT IN THE CITY OF HUDSON HOLDING ALL FUTURE ZONING CERTIFICATES UNTIL ALL WORK HAS BEEN COMPLETED AND APPROVED.
- MANUFACTURERS OR SUPPLIERS AFFIDAVIT FOR ALL CONSTRUCTION MATERIALS SHALL BE PROVIDED AS PER THE CITY'S ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION, LATEST EDITION PRIOR TO THE START OF CONSTRUCTION.
- THE CONSTRUCTION OF SANITARY SEWERS, WATER MAINS, LIFT STATIONS AND APPURTENANCES IS PROHIBITED UNTIL ALL PLANS HAVE BEEN APPROVED BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY.
- ALL SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HUDSON ENGINEERING STANDARDS FOR INFRASTRUCTURE CONSTRUCTION, LATEST EDITION.
- ALL SANITARY SEWERS CONSTRUCTED IN SUMMIT COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES (SC-DOES) SERVICE DISTRICTS AND SERVED BY SC-DOES SHALL COMPLY WITH SC-DOES REQUIREMENTS.
- SHOP DRAWINGS FOR THE PROPOSED LIGHT FIXTURES SHALL BE ATTACHED TO THE APPROVED LIGHTING PLAN AND SUBMITTED WITH THE SIX SETS OF PLANS AS REQUIRED IN NOTE 8. THE LIGHT FIXTURES SHALL HAVE A RECESSED LAMP, FLAT LENSES AND OPTIONAL HOUSE SHIELDING AVAILABLE. THE CITY MAY REQUIRE HOUSE SHIELDS TO BE ADDED AND OTHER MODIFICATIONS AFTER CONSTRUCTION AT THE EXPENSE OF THE CONTRACTOR.

GENERAL NOTES

- A PRE-CONSTRUCTION CONFERENCE SCHEDULED BY THE CONTRACTOR SHALL BE HELD PRIOR TO START OF ANY WORK. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE CITY ENGINEER PRIOR TO BEGINNING WORK TO ARRANGE FOR INSPECTION.
- ANY AND ALL CHANGES IN PLAN QUANTITIES OR MATERIALS SHALL BE APPROVED IN WRITING BY THE DEVELOPER PRIOR TO INCORPORATION IN THE WORK.
- EARTHWORK QUANTITIES:
 - ALL STUMPS, TREES AND OTHER CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.
 - THE CONTRACTOR SHALL PLACE AND COMPACT ALL SUITABLE FILL MATERIAL EXCAVATED DURING HIS CONSTRUCTION OPERATIONS WITHIN THE FILL AREAS DESIGNATED ON THE GRADING PLAN AND/OR AS DIRECTED BY THE DEVELOPER AND/OR HAULED OFF-SITE AT THE DEVELOPER'S DISCRETION.
 - NO DISPOSAL SITE WITHIN THE PROJECT LIMITS SHALL BE UTILIZED.
- SEEDING AND MULCHING: SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISHED GRADING IN ACCORDANCE WITH ITEM 659 OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
- ALL TRENCHES IN PAVED AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIALS FROM THE TOP OF THE TRENCH BEDDING. BACKFILL TO BE MECHANICALLY COMPACTED. SLAG NOT ALLOWED.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SYSTEM PROHIBITED.
- PRIOR TO CONNECTION CONSTRUCTION, CONTRACTOR TO VERIFY LOCATIONS, SIZE AND DEPTH OF EXISTING SEWER & WATER TIE-INS.
- THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITIES PROTECTION SERVICE 106 WEST RYEN - ROOM 427 YOUNGSTOWN, OHIO 44051 PH: (800) 362-2764	DOMINION ENERGY 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OHIO 44333 PH: (877) 542-2630	CITY OF HUDSON DEPARTMENT OF PUBLIC WORKS 115 EXECUTIVE PKWY SUITE 400 HUDSON, OHIO 44236 PH: (330) 342-1710
SUMMIT COUNTY DEPARTMENT OF SANITATION 1180 S MAIN STREET SUITE 201 AKRON, OHIO 44301 PH: (330) 926-2400	SUMMIT PETROLEUM INC. 9345 RAVENNA ROAD TWINSBURG, OHIO 44087 PH: (330) 487-5494	CENTURYLINK 4000 CHESTER AVENUE CLEVELAND, OHIO 44102 PH: (216) 906-6284

MCI (VERIZON)
120 RAVINE STREET
AKRON, OHIO 44303
PH: (330) 329-5495

THE LOCATION OF UNDERGROUND UTILITIES ARE PLOTTED ACCORDING TO THE INFORMATION FURNISHED BY THE UTILITIES CONCERNED AND THE ENGINEER DOES NOT GUARANTEE THE ACCURACY THEREOF.

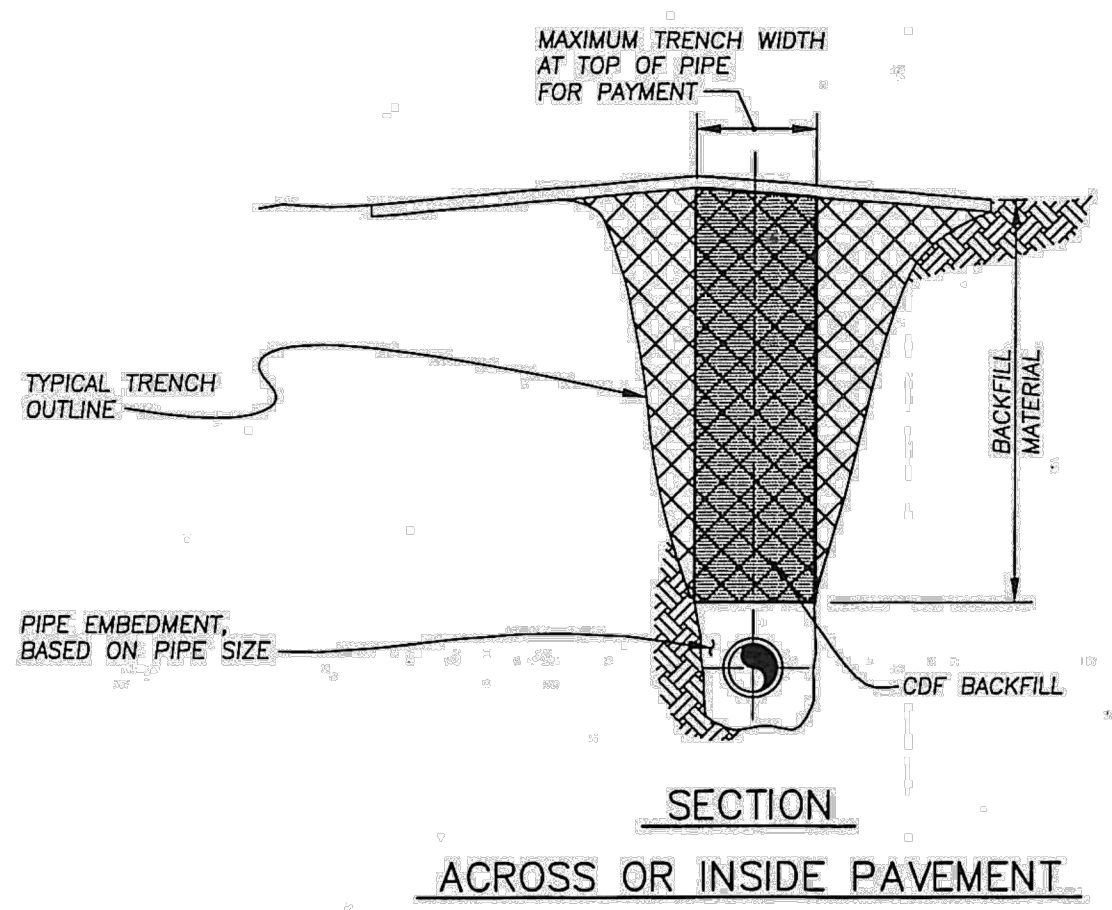
- ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL COMPLY WITH U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT, THE STANDARD SPECIFICATIONS OF THE CITY OF HUDSON AND THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS LATEST EDITION, EXCEPT WHERE SPECIFICALLY SPECIFIED IN THESE PLANS.
- IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS PROPOSAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL MATERIAL TESTING AND ALL PERMITS REQUIRED FOR THIS PROJECT.
- THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY FACILITIES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF THE FIELD SURVEY IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING UTILITY OWNERS AND UTILITY PROTECTION SERVICE LISTED ABOVE IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE AND AS OUTLINED IN PROJECT SPECIFICATIONS.
- ALL WORK CONTEMPLATED SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE CITY OF HUDSON ENGINEER AND AT ALL TIMES BE SUBJECT TO THEIR DIRECT SUPERVISION AND INSPECTION.
- ALL EXISTING CONNECTIONS SHALL BE TESTED WITH DYE AND CAMERA BEFORE TYING IN FOR USE WITH PROPOSED LOTS.
- COST OF REMOVAL, FILLING, ABANDONING AND DISPOSAL OF EXISTING SEWERS & CONNECTIONS TO BE INCLUDED IN PRICES BID UNDER OTHER ITEMS (OF SPECIFICATIONS) AND NO ADDITIONAL COMPENSATION WILL BE MADE.
- TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION BY THE CONTRACTOR.
- ALL SANITARY AND STORM MAIN LINE SEWERS & HOUSE CONNECTIONS SHALL HAVE PREMIUM JOINTS.
- FLEXIBLE GASKETS SHALL BE PROVIDED AT ALL SANITARY AND STORM MANHOLES.

ENVIRON. IMPACT NOTES

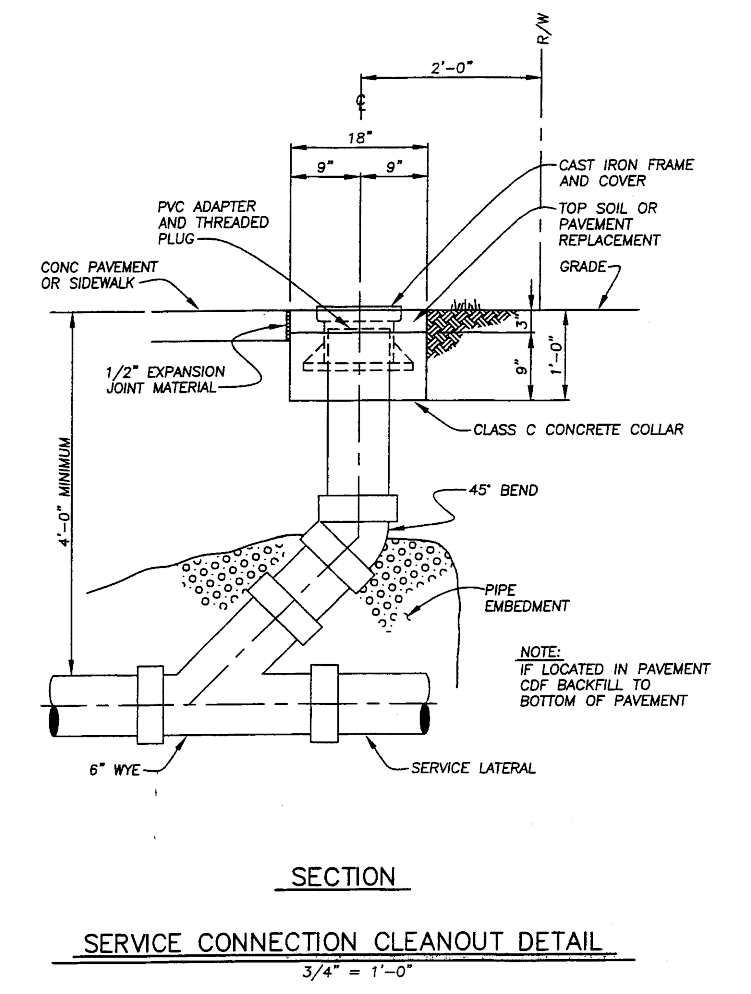
- IF, DURING THE COURSE OF CONSTRUCTION, EVIDENCE OF ANY DEPOSIT OF HISTORICAL AND/OR ARCHAEOLOGICAL INTEREST IS FOUND, CEASE OPERATIONS AFFECTING THE FIND AND NOTIFY THE OHIO HISTORIC PRESERVATION OFFICE AT (614) 297-3470. NO FURTHER DISTURBANCE OF THE DEPOSITS SHALL OCCUR UNTIL THE CONTRACTOR HAS BEEN NOTIFIED BY THE OWNER THAT HE OR SHE MAY PROCEED. THE OWNER WILL ISSUE THE NOTICE TO PROCEED ONLY AFTER THE STATE OHIO OFFICIAL HAS SURVEYED THE FIND AND MADE SUCH A DETERMINATION.
- ACCESS FOR EMERGENCY VEHICLES MUST BE PROVIDED AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES, AND TO PROVIDE TEMPORARY MATERIALS ARE NECESSARY TO PROVIDE A SAFE, ADEQUATE DRIVE SURFACE.
- NO MANHOLE OR SEWER EXCAVATION WILL BE LEFT OPEN AWAITING CONNECTION OR REMOVAL AT A LATER DATE BY THE CONTRACTOR'S FORCES, OR OTHERS, BUT SHALL BE TEMPORARILY BACKFILLED AND RESURFACED, IF APPLICABLE, WITH A TEMPORARY PAVEMENT PASSABLE TO TRAFFIC.
- BALE FILTER DIKES SHALL BE PLACED AROUND ALL STORM SEWER CATCH BASINS LOCATED IN PROXIMITY TO CONSTRUCTION.
- NO MORE THAN 200 TO 300 FEET OF SEWER TRENCH SHALL REMAIN OPEN AT ONE TIME. MATERIALS EXCAVATED DURING TRENCHING SHALL BE PILED ON THE UPHILL SIDE OF THE TRENCH.
- STOCKPILED TOPSOIL AND FILL MATERIALS SHALL BE PROTECTED WITH EROSION CONTROL BARRIERS OR TEMPORARY SEEDING. EXCESS SOIL THAT IS STOCKPILED MUST BE EITHER REMOVED OR GRADED WITHIN 15 DAYS OF THE COMPLETION OF CONSTRUCTION.
- IF TREE REMOVAL IS NECESSARY, TREES SHALL BE FELLED IN A MANNER THAT AVOIDS DAMAGE TO ADJACENT REMAINING TREES. WHERE ROOT DAMAGE CANNOT BE AVOIDED, PRUNING AND PAINTING AS APPROPRIATE TO COMPENSATE FOR DAMAGE WILL BE DONE BY AN AUTHORIZED ARBORIST.

NOTES FOR STORM SEWERS

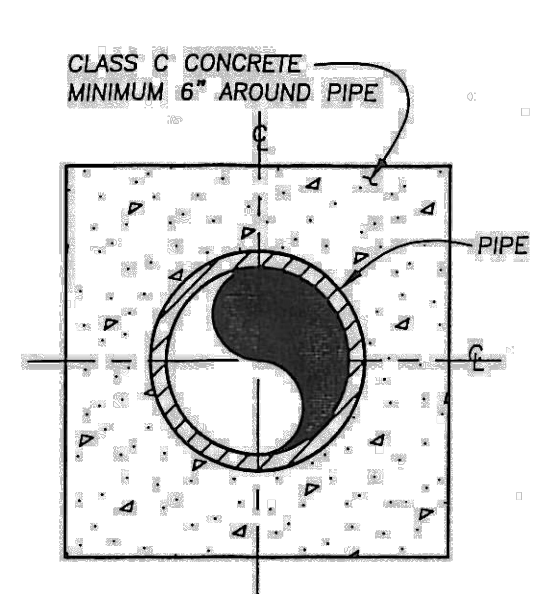
- THE FOLLOWING PIPES ARE APPROVED FOR THIS PROJECT:
 - PVC SDR 35 OR SCHEDULE 40
 - PIPE REQUIRES #57 LIMESTONE BACKFILL 12" OVER TOP OF PIPE
- CONTRACTOR SHALL INCLUDE COST OF GRANULAR BACKFILL MATERIAL UNDER ALL EXISTING AND PROPOSED PAVEMENTS IN PRICE BID PER LINEAL FOOT OF PIPE.
- PRIOR TO THE ACCEPTANCE OF THE COMPLETED SEWER LINE, A MANDREL OF NOT LESS THAN NINETY-FIVE PERCENT (95% OF THE AVERAGE CALCULATED REFERENCE INTERNAL DIAMETER OF THE PIPE SHALL BE PULLED BY HAND FREELY THROUGH EACH SECTION OF SEWER PIPE NOT LESS THAN THIRTY (30) DAYS AFTER INSTALLATION AND FINAL BACKFILL.



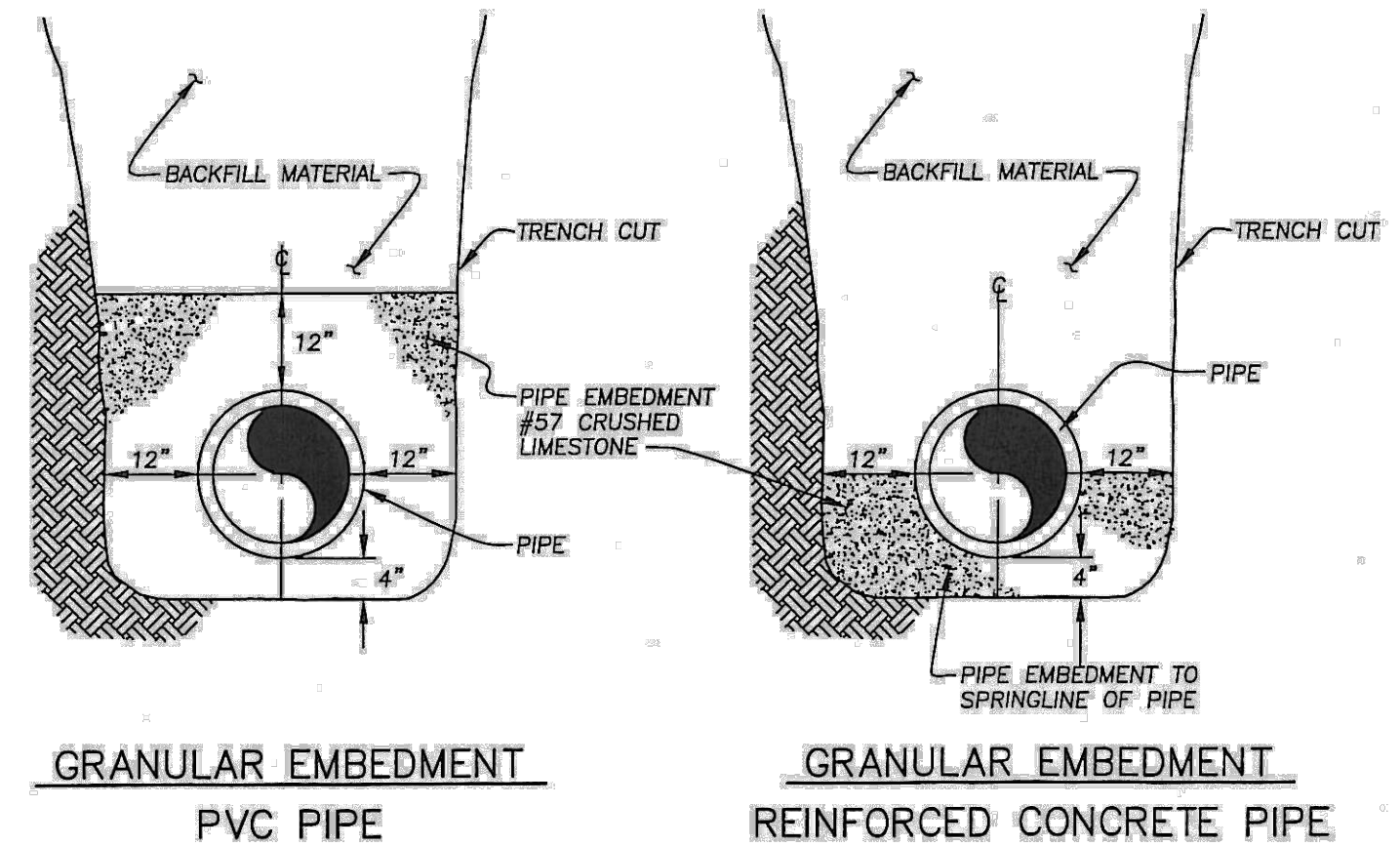
SECTION
ACROSS OR INSIDE PAVEMENT



SECTION
SERVICE CONNECTION CLEANOUT DETAIL
3/4\"/>

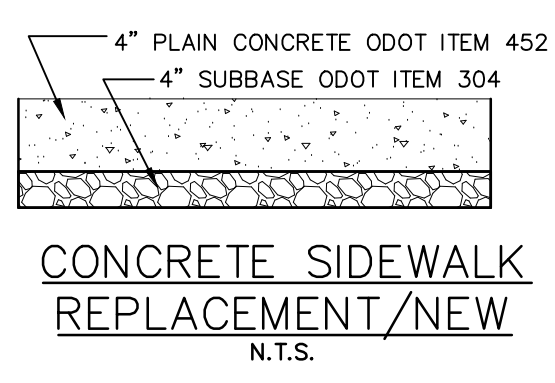


SECTION
CONCRETE PIPE ENCASEMENT



GRANULAR EMBEDMENT PVC PIPE **GRANULAR EMBEDMENT REINFORCED CONCRETE PIPE**

BEDDING DETAILS
NO SCALE



CONCRETE SIDEWALK REPLACEMENT/NEW
N.T.S.

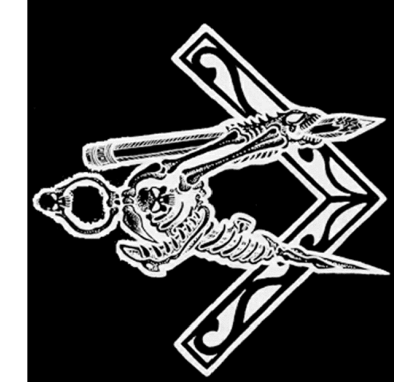
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FIG 4.17.1

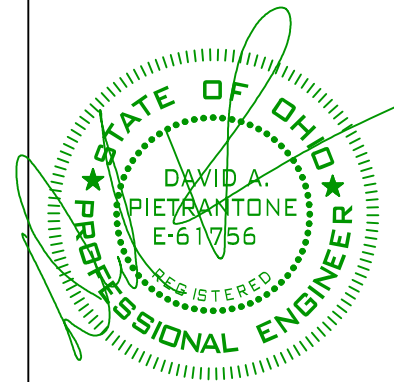


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19-010



RIVERSTONE
CONCRETE SKATEPARK DESIGN & CONSTRUCTION
4619 14th Ave SW
Seattle WA 98106
P. 206.932.6414 F. 206.932.6840
www.riverstoneinc.com



100% SET

SCALE:

NOTES & DETAILS
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OHIO

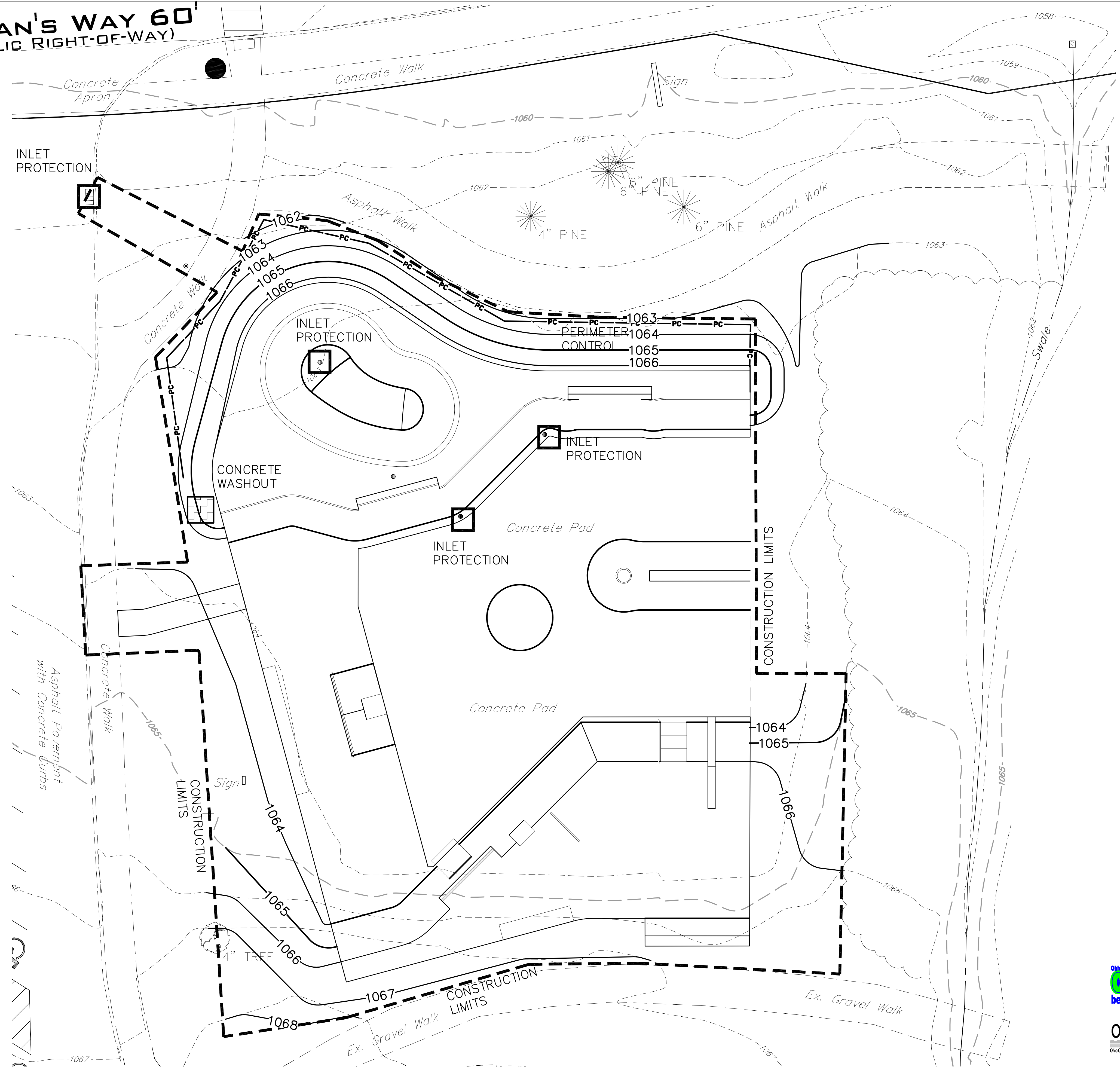
SHEET:
C6.01

DATE: 11/15/19

DRAWN BY: JPD
CHECKED BY: DAP

VETERAN'S WAY 60'

(A PUBLIC RIGHT-OF-WAY)



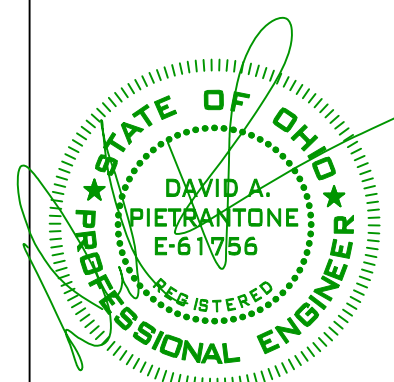
- SWPPP LEGEND**
- PERIMETER CONTROL: SILT FENCE OR COMPOST FILLED FILTER SOCK
 - CONSTRUCTION LIMITS
 - CONCRETE WASHOUT
 - INLET PROTECTION

LEGEND

Monument Box Found	Iron Pin or Pipe Found	Spot Elevation Tag
5/8" Iron Pin Set and Capped Riverstone Company Dudley P56747	Hydrant	Water Service Valve
P.K. Nail	Water Valve	Water Meter
Gas Meter	Water Meter	Reducer
Gas Valve	Storm Manhole	Sanitary Manhole
Utility Pole	Curb Inlet	Catch Basin
Light Pole	Catch Basin	Property Line
Guy Anchor & Line	Property Line	Centerline
Telephone Box	Electric Box	Bollard
Cable Box	Bollard	Cleanout / Test Tee
Bollard	Cleanout / Test Tee	
Cleanout / Test Tee		

Ex. Parcel Line	Original Sublot Line	Original Lot Line	Centerline	Property Line	Right-of-way Line	Easement Line	Railroad Tracks
Electric Line	Gas Line	Sanitary/Combination Sewer	Storm Sewer	Waterline	Fence Line (Wooden)	Fence Line (Chain-Link)	Guardrail

Ac.	Adj.	Asp.	B.F.	BW	Calc./C.	CB	Chain-link	Clr.	C.O.	Comb.	Conn.	D.H.	D.I.W.M.	Elev	Encl.	Ex.	F.F.	GUT					
Acres	Adjacent	Asphalt	Basement Floor	Bottom of Wall	Calculated	Catch Basin	Fence	Clears	Clean Out	Combination	Concrete	Connection	Drill Hole	Ductile Iron Water Main	Elevation	Encroaches	Existing	Finished Floor	Gutter				
Inv	L.C.A.	L.F.	Meas./M.	MH	Obs.	Page	P.P.N.	Number	Prop	Rec./R.	R/W	San.	S/L	Stm.	T.B.M.	T/C	Tele	T.F.	T.T.	TW	Typ.	Vol.	Wat
Invert	Limited Common Area	Lineal Feet	Measured	Manhole	Observed	Permanent Parcel	Number	Proposed	Record	Right-of-way	Sanitary	Square Feet	Sublot	Storm	Temporary Bench Mark	Top of Curb	Telephone	Top of Footer	Test Tee	Top of Wall	Typical	Volume	Water



100% SET

SCALE: 1" = 10'

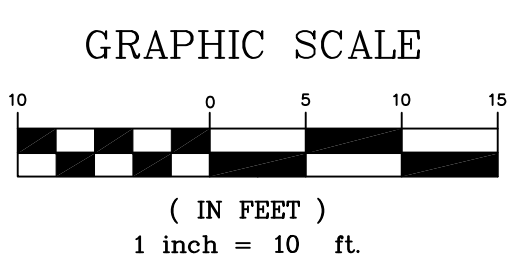
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OHIO

SHEET: C7.01

DATE: 11/15/19
DRAWN BY: JPD
CHECKED BY: DAP



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SILT FENCE

DESCRIPTION:

SILT FENCE IS A SEDIMENT-TRAPPING PRACTICE UTILIZING A GEOTEXTILE FENCE, TOPOGRAPHY AND VEGETATION TO CAUSE SEDIMENT DEPOSITION. SILT FENCE REDUCES RUNOFF'S ABILITY TO TRANSPORT SEDIMENT BY PONDING RUNOFF AND DISSIPATING SMALL RILLS OF CONCENTRATED FLOW INTO UNIFORM SHEET FLOW.

CONDITIONS WHERE PRACTICE APPLIES:

SILT FENCE IS USED WHERE RUNOFF OCCURS AS SHEET FLOW OR WHERE FLOW THROUGH SMALL RILLS CAN BE CONVERTED TO SHEET FLOW. SILT FENCE CANNOT EFFECTIVELY TREAT FLOWS IN GULLIES, DITCHES OR CHANNELS. FOR MORE SEVERE CONDITIONS SEE SPECIFICATIONS FOR TEMPORARY DIVERSIONS, SEDIMENT TRAPS AND SEDIMENT BASINS.

PLANNING CONSIDERATIONS:

SILT FENCE VS TEMPORARY DIVERSIONS AND SETTLING PONDS - TO TREAT SHEET FLOW RUNOFF, SILT FENCE IS USED OR DIVERSIONS ARE CONSTRUCTED TO DIRECT RUNOFF TO A SEDIMENT POND. SILT FENCE IS MOST APPLICABLE FOR RELATIVELY SMALL AREAS WITH FLAT TOPOGRAPHY. SILT FENCE ALSO REQUIRES LESS SPACE AND CAUSES LESS DISTURBANCE. A SYSTEM OF DIVERSIONS AND SETTLING PONDS, ON THE OTHER HAND, HAS GREATER INTEGRITY. COMPARED TO SILT FENCE, THEY CAN HANDLE MUCH GREATER FLOWS AND ARE MORE DURABLE AND EASIER TO CONSTRUCT CORRECTLY. AS A RESULT, EARTH DIVERSIONS AND SETTLING PONDS GENERALLY ARE RECOMMENDED OVER SILT FENCE.

DESIGN CRITERIA:

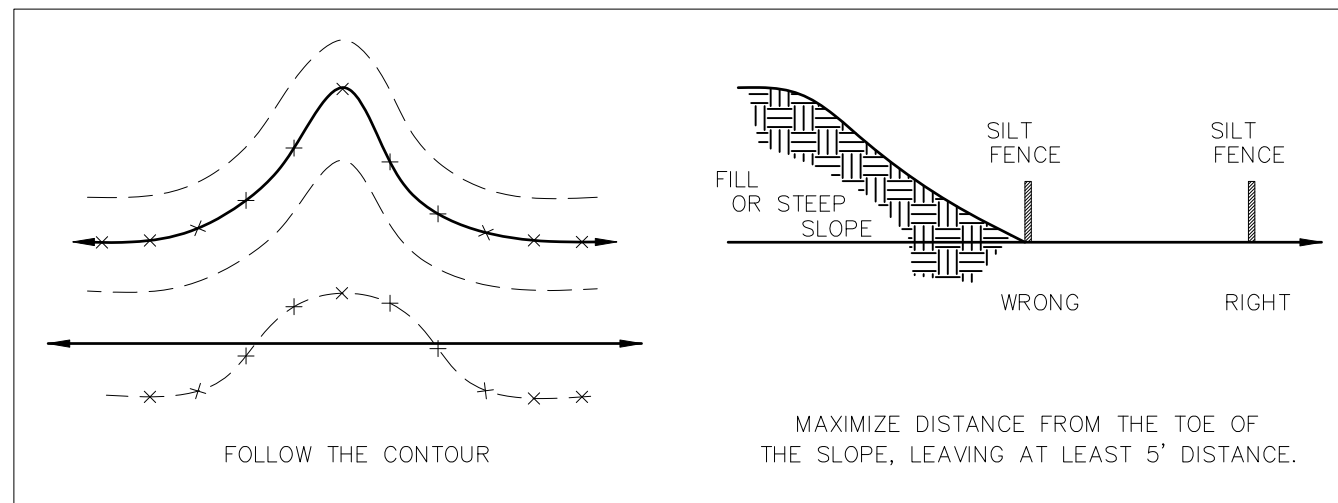
SILT FENCE AS A SEDIMENT CONTROL PRACTICE CONSISTS NOT ONLY OF THE FENCE ITSELF BUT, JUST AS IMPORTANTLY, IT ENTAILS TOPOGRAPHY. THIS IS A CRITICAL CONSIDERATION BECAUSE THE SEDIMENT REMOVAL PROCESS RELIES ON DEPOSITION NOT FILTERING, AS OFTEN ASSUMED. SILT FENCE WORKS BY DISPERSING FLOW, PONDING RUNOFF AND RELEASING DIFFUSE FLOW. HOWEVER, IF SILT FENCE IS USED WITHOUT REGARD TO A SITE'S TOPOGRAPHY, IT WILL TYPICALLY CONCENTRATE RUNOFF, INCREASING ITS ABILITY TO TRANSPORT SEDIMENT RATHER THAN CAUSING DEPOSITION.

LEVEL CONTOUR - FOR SILT FENCE TO ENHANCE DEPOSITION, IT MUST BE PLACED ON THE LEVEL CONTOUR OF THE LAND SO THAT FLOWS ARE DISSIPATED INTO UNIFORM SHEET FLOW, WHICH HAS LITTLE ENERGY FOR TRANSPORTING SEDIMENT. SILT FENCE SHOULD NEVER CONCENTRATE RUNOFF, WHICH WILL RESULT IF IT IS PLACED UP AND DOWN SLOPES RATHER THAN ON THE LEVEL CONTOUR.

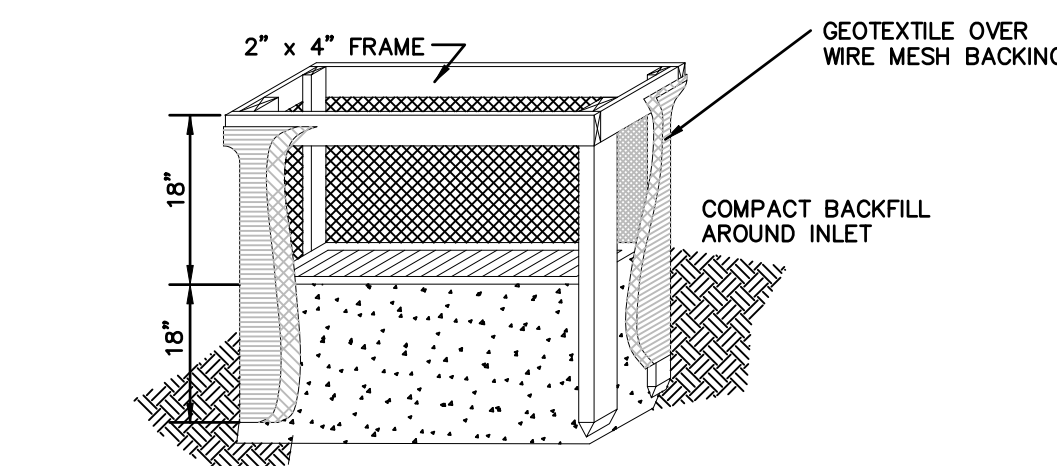
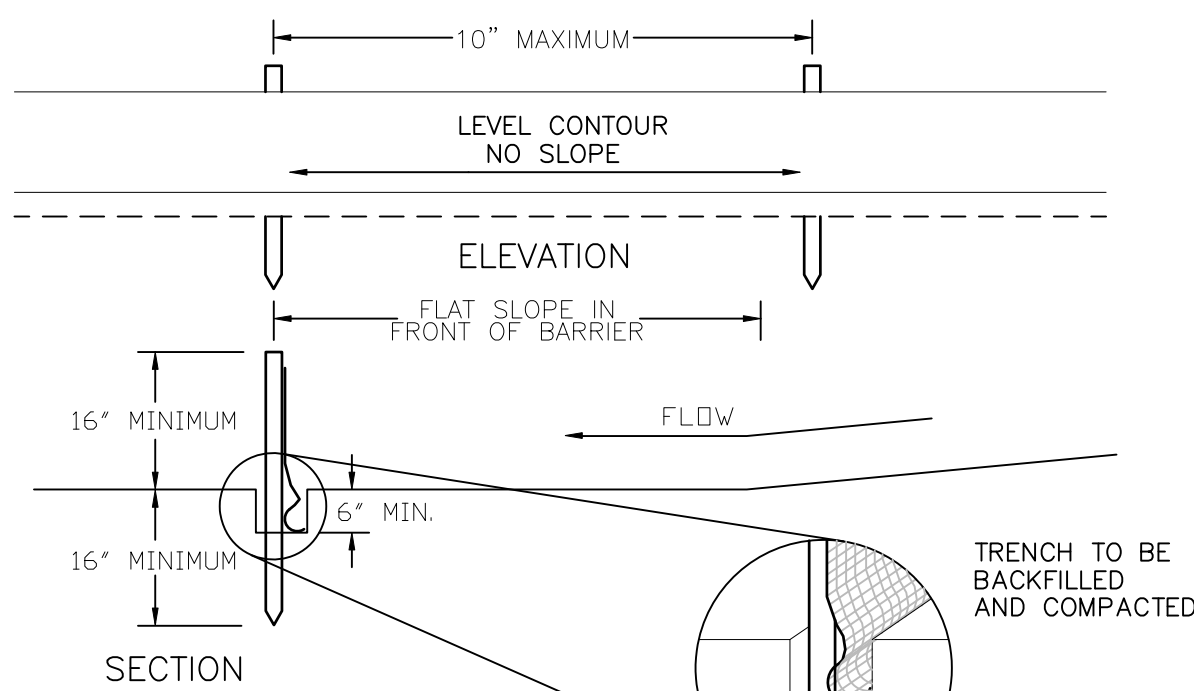
FLAT SLOPES - SILT FENCE MUST ALSO BE USE ON THE FLATTEST AREAS AVAILABLE. BECAUSE OF THE GREAT IMPORTANCE SLOPE HAS ON WATER'S ABILITY TO TRANSPORT SEDIMENT, SILT FENCE SHOULD NEVER BE PLACED DIRECTLY AT THE TOE OF A SLOPE IF IT IS AT ALL POSSIBLE TO PLACE IT SEVERAL FEET AWAY. SILT FENCE GENERALLY SHOULD BE PLACED ON THE FLATTEST AREA AVAILABLE TO INCREASE THE SHALLOW PONDING OF RUNOFF AND MAXIMIZE SPACE AVAILABLE FOR DEPOSITED SEDIMENT.

FLOW AROUND ENDS - TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END MUST BE CONSTRUCTED UP-SLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.

VEGETATION - DENSE VEGETATION ALSO HAS THE EFFECT OF DISSIPATING FLOW ENERGIES AND CAUSING SEDIMENT DEPOSITION. SEDIMENT-TRAPPING EFFICIENCY WILL BE ENHANCED WHERE A DENSE STAND OF VEGETATION OCCURS FOR SEVERAL FEET BOTH BEHIND AND IN FRONT OF A SILT FENCE.



FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MINIMUM	Astm D 1682
MULLEN BURST STRENGTH	190 PSI MINIMUM	Astm D 3786
SLURRY FLOW RATE	0.3 GAL./MIN./50. FT. MAXIMUM	
EQUIVALENT OPENING SIZE	40-80	US STD. SLEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MINIMUM	Astm-G-26



INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS

NTS

SPECIFICATIONS FOR SILT FENCE:

- SILT FENCE SHALL BE CONSTRUCTED BEFORE UP-SLOPE LAND DISTURBANCE BEGINS.
- ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
- TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UP-SLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
- WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
- WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UP-SLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
- THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
- THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 IN. DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
- THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
- SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
- MAINTENANCE - SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

CRITERIA FOR SILT FENCE MATERIALS:

- FENCE POSTS - THE LENGTH SHALL BE A MINIMUM OF 32 IN. LONG. WOOD POSTS WILL BE 2-BY-2 IN. HARDWOOD OF SOUND QUALITY. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT.
- SILT FENCE FABRIC (SEE CHART BELOW):
 - INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UP-SLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
 - THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 IN.
 - THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-BY-4 IN. CONSTRUCTION-GRADE LUMBER. THE 2-BY-4 IN. POSTS SHALL BE DRIVEN 1 FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-BY-4 IN. FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
 - WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
 - GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 IN. BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
 - BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
 - A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN THE TOP OF THE FRAME.

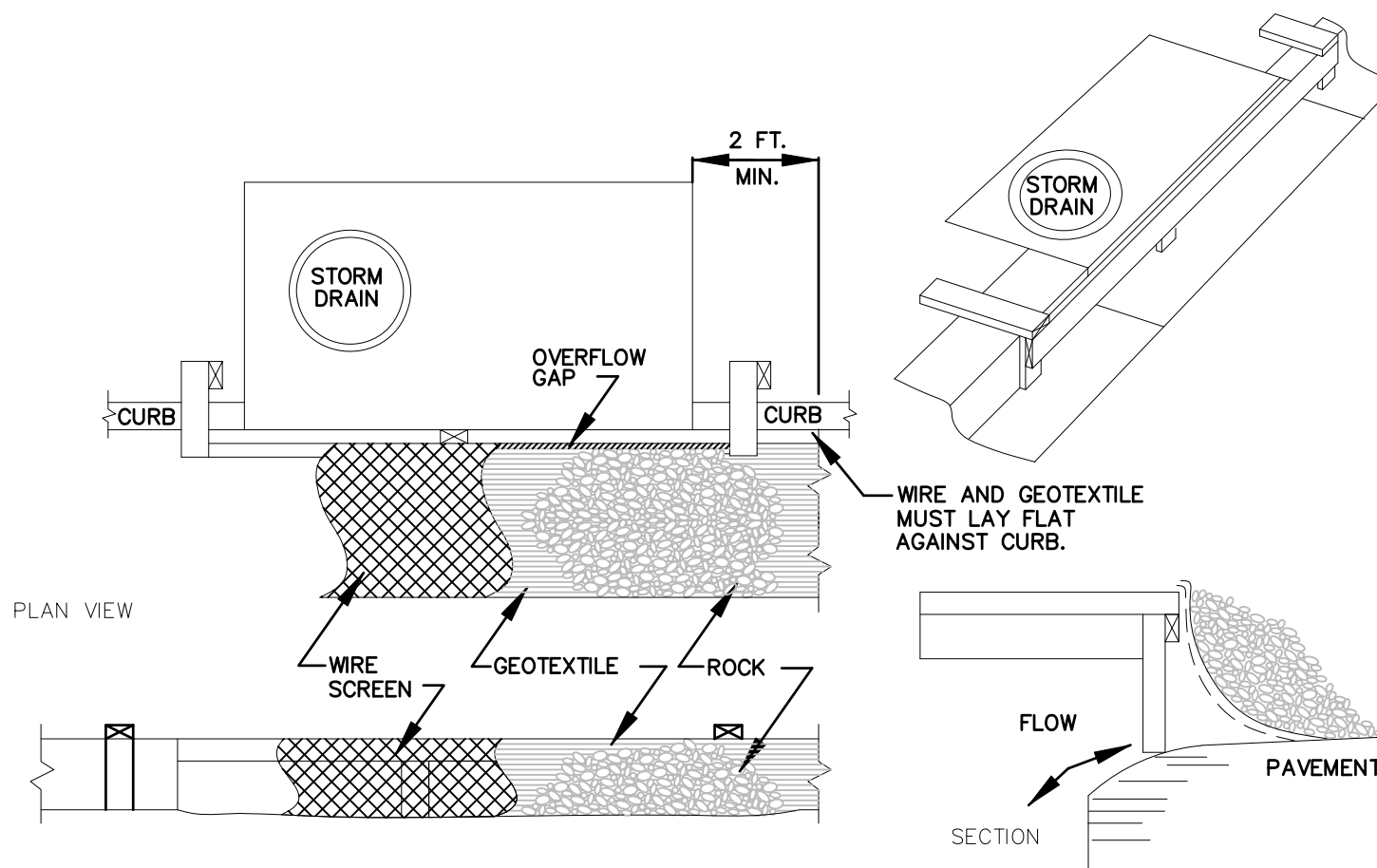
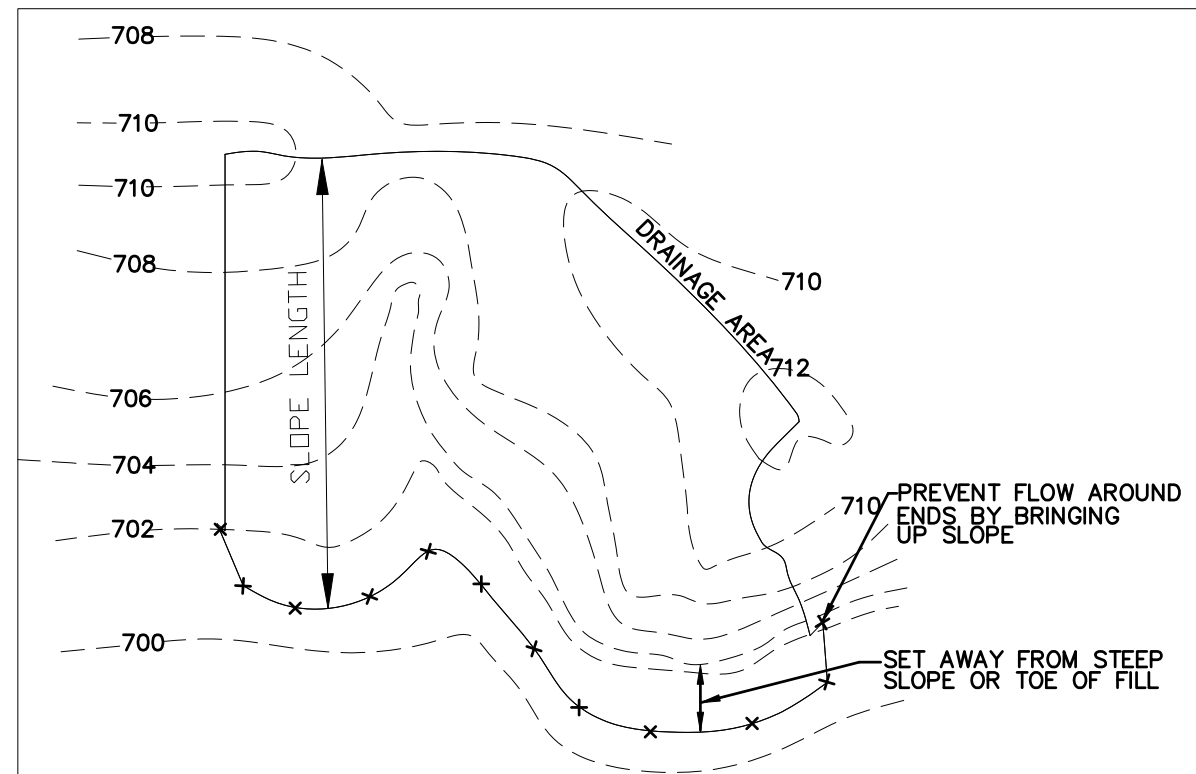
DRAINAGE AREA:

- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UP-SLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOME OPERATIONAL.
- THE WOODEN FRAME IS TO BE CONSTRUCTED OF 2-BY-4 IN. CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1 FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2-BY-4 IN. STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB.
- THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30 IN. AND 4 FT. LONGER THAN THE THROAT LENGTH OF THE INLET, 2 FT. ON EACH SIDE.
- GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH.
- THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDE OF THE INLET AND SECURELY FASTENED TO THE 2-BY-4 IN. FRAME.
- TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH.

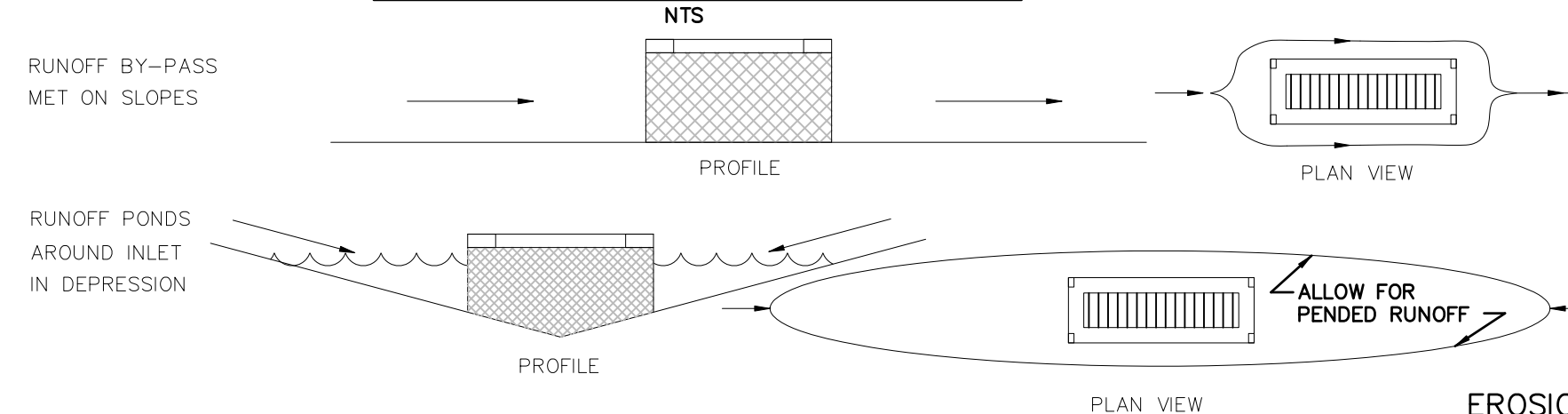
DISPERSING FLOW - PROPER APPLICATIONS OF SILT FENCE WILL ALLOW ALL THE INTERCEPTED RUNOFF TO PASS AS DIFFUSED FLOW THROUGH THE GEOTEXTILE. RUNOFF SHOULD NEVER OVERTOP SILT FENCE, FLOW AROUND THE ENDS, OR IN ANY OTHER WAY FLOW AS CONCENTRATED FLOW FROM THE PRACTICE. IF THIS DOES OCCUR, MAINTENANCE ALTERNATIVE SILT FENCE LAYOUT, OR OTHER PRACTICES ARE NEEDED.

SILT FENCE MAXIMUM DRAINAGE AREA BASED ON SLOPE AND SLOPE LENGTH		
SLOPE	SLOPE LENGTH (FT.)	
0% - 2%	FLATTER THAN 50:1	250
2% - 10%	50:1 - 10:1	125
10% - 20%	10:1 - 5:1	100
20% - 33%	5:1 - 3:1	75
33% - 50%	3:1 - 2:1	50
> 50%	> 2:1	25

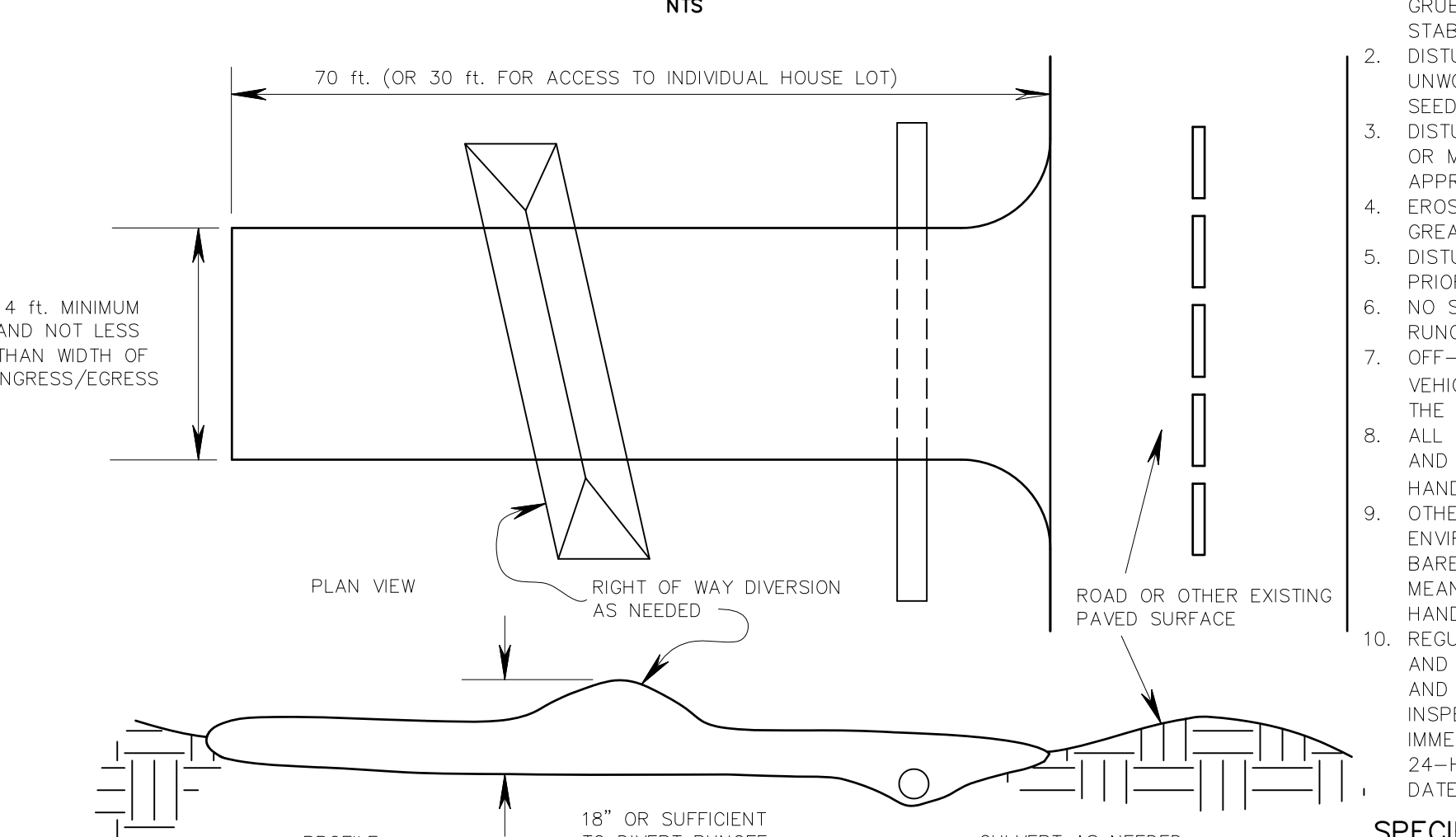
NOTE: FOR LARGER DRAINAGE AREAS, SEE STANDARDS FOR TEMPORARY DIVERSIONS, SEDIMENT TRAPS AND SEDIMENT BASINS.



CURB INLET PROTECTION



STORM DRAIN INLET PROTECTION



CONSTRUCTION ENTRANCE

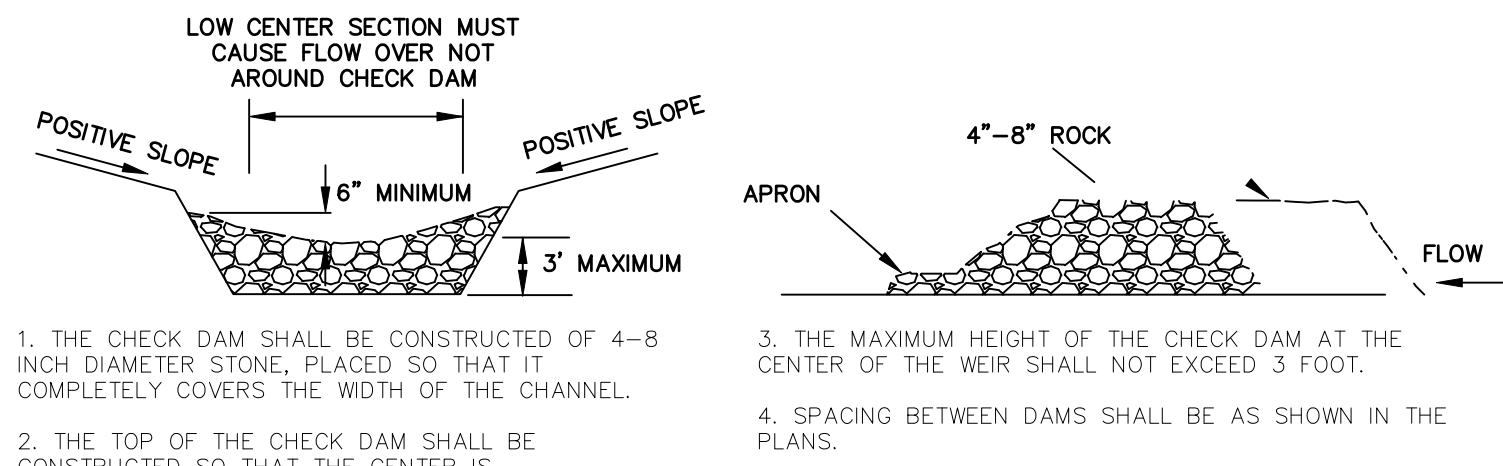
CONSTRUCTION ENTRANCE

DESCRIPTION: A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF AGGREGATE OVER A GEOTEXTILE BASE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC.

- CONDITIONS WHERE PRACTICE APPLIES:
- A CONSTRUCTION ENTRANCE SHOULD BE USED:
 - WHERE CONSTRUCTION VEHICLES LEAVE ACTIVE CONSTRUCTION AREAS ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS;
 - AT ALL POINTS OF EGRESS TO PUBLIC ROADS;
 - WHERE FREQUENT VEHICLES AND EQUIPMENT INGRESS/EGRESS IS EXPECTED SUCH AS AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS;

PLANNING CONSIDERATIONS:

THIS PRACTICE SHOULD NOT BE RELIED ON TO REMOVE MUD FROM CONSTRUCTION TRAFFIC. MOST MUD IS FLUNG FROM TIRES AS VEHICLES REACH SPEEDS HIGHER THAN IS REACHED ON SITE. THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO KEEP VEHICLES THAT FREQUENTLY ENTER AND LEAVE A SITE, AWAY FROM MUDDY AREAS IN THE FIRST PLACE. VEHICLES SHOULD BE RESTRICTED TO STABILIZED AREAS TO THE EXTENT PRACTICAL, AND AREAS WHERE FREQUENT INGRESS/EGRESS IS EXPECTED SHOULD BE STABILIZED.



- THE CHECK DAM SHALL BE CONSTRUCTED OF 4-8 INCH DIAMETER STONE, PLACED SO THAT IT COMPLETELY COVERS THE WIDTH OF THE CHANNEL.
- THE TOP OF THE CHECK DAM SHALL BE CONSTRUCTED SO THAT THE CENTER IS APPROXIMATELY 6 INCHES LOWER THAN THE OUTER EDGES, SO WATER WILL FLOW ACROSS THE CENTER AND NOT AROUND THE ENDS.
- THE MAXIMUM HEIGHT OF THE CHECK DAM AT THE CENTER OF THE WEIR SHALL NOT EXCEED 3 FOOT.
- SPACING BETWEEN DAMS SHALL BE AS SHOWN IN THE PLANS.

CHECK DAM

NTS

STORM DRAIN INLET PROTECTION

DESCRIPTION:

STORM DRAIN INLET PROTECTION CONSISTS OF A GEOTEXTILE BARRIER SUPPORTED AROUND OR ACROSS A STORM DRAIN INLET. IT IS USED TO PREVENT SEDIMENT-LADED WATER FROM ENTERING A STORM DRAIN SYSTEM. IT REDUCES THE RATE AT WHICH SEDIMENT-LADEN WATER MAY ENTER AN INLET THEREBY CAUSING PONDING AND SETTLING OF SEDIMENT.

CONDITIONS WHERE PRACTICE APPLIES AND PLANNING CONSIDERATIONS:

THIS PRACTICE IS NOT GENERALLY RECOMMENDED AS A PRIMARY MEANS OF SEDIMENT CONTROL. IT SHOULD ONLY BE USED IF IT IS NOT POSSIBLE TO TEMPORARILY DIVERT THE STORM DRAIN OUTFALL INTO A SEDIMENT TRAP OR SEDIMENT BASIN OR IF IT IS TO BE USED ONLY FOR A SHORT PERIOD OF TIME DURING THE CONSTRUCTION PROCESS.

INLET PROTECTION IN EFFECT BLOCKS STORM DRAIN INLETS. THE RESULT FROM BLOCKING STORM DRAIN INLETS WILL HAVE ON THE SITE'S DRAINAGE MUST BE CONSIDERED. LONG SLOPING STREETS OR DITCHES DESIGNED WITH SEVERAL INLETS ALONG THEIR LENGTH MAY HAVE A SIGNIFICANT AMOUNT OF SURFACE FLOW ACCUMULATE IF INLET PROTECTION IS USED. IN LOW AREAS, A POND WILL FORM AROUND INLETS. PONDING IS NECESSARY FOR REMOVING SEDIMENT FROM RUNOFF AND SHOULD BE ENCOURAGED IN CONJUNCTION WITH INLET PROTECTION.

SPECIFICATIONS FOR CURB INLET PROTECTION:

- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UP-SLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
- THE WOODEN FRAME IS TO BE CONSTRUCTED OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1 FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2-BY-4-IN. STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB.
- THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30 IN. AND 4 FT. LONGER THAN THE THROAT LENGTH OF THE INLET, 2 FT. ON EACH SIDE.
- GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH.
- THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2-BY-4-IN. FRAME.
- TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH.

EROSION NOTES

- SEDIMENT PONDS/TRAPS AND PERIMETER CONTROLS SHALL BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE STABILIZED.
- DISTURBED AREAS WITHIN 50 FEET OF A STREAM, WHICH WILL REMAIN UNWORKED FOR A PERIOD OF 14 DAYS OR MORE, SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER APPROPRIATE MEANS WITHIN 2 DAYS.
- DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR A PERIOD OF 14 DAYS OR MORE, SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER APPROPRIATE MEANS WITHIN 7 DAYS.
- EROSION CONTROL BLANKETS WITH MATTING WILL BE USED ON DITCHES GREATER THAN 1.5% AND ALL OTHER SLOPES GREATER THAN 6% GRADE.
- DISTURBED AREAS THAT WILL BE IDLE OVER WINTER SHALL BE STABILIZED PRIOR TO NOVEMBER 1.
- NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.
- OFF-SITE VEHICLE TRACKING SEDIMENT SHALL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION ACCESS ROAD(S) NOTED ON THE PLAN.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (1996).
- OTHER EROSION AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. A TEMPORARY COVERING OF STRAW MULCH OVER BARE GROUND THROUGHOUT THE DURATION OF THE PROJECT IS EFFECTIVE MEANS OF MINIMIZING EROSION. A STOCKPILE OF STRAW BALES SHOULD BE ON HAND.
- REGULAR INSPECTION AND MAINTENANCE WILL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24-HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION AND CORRECTIVE MEASURES TAKEN.

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE:

- STONE SIZE--TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINIMUM LENGTH APPLIES).
- THICKNESS--THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK.
- WIDTH--THE ENTRANCE SHALL BE AT LEAST 10 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
- BEDDING--A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
- CULVERT--A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- WATER BAR--A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- MAINTENANCE--TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

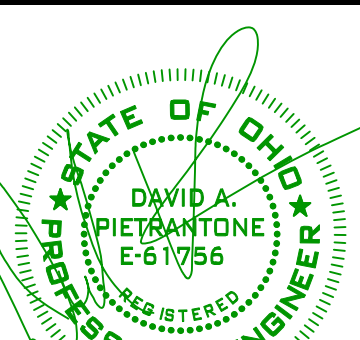


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100% SET

SCALE:

PROJECT: HUDSON SKATEPARK
 LOCATION: HUDSON, OHIO

SHEET: C7.02

DATE: 11/15/19

DRAWN BY: JPD
 CHECKED BY: DAP

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AREA REQUIRING TEMPORARY STABILIZATION		TIME FRAME FOR SEEDING	
ANY DISTURBED AREA WITHIN 50' OF A STREAM AND NOT AT FINAL GRADE		WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR 14 DAYS OR MORE	
DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN 1 YEAR AND NOT WITHIN 50' OF A STREAM		WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA	
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER		PRIOR TO THE ONSET OF WINTER	
TEMPORARY SEEDING MIXTURE			
SEEDING DATES	SPECIES	LB./1,000 sq.ft.	per Acre
MARCH 1 TO AUGUST 15	OATS	3	4 BUSHEL
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	PERENNIAL RYEGRASS	1	40 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
AUGUST 15 TO NOVEMBER 1	OATS	3	2 BUSHEL
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	WHEAT	1	2 BUSHEL
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	PERENNIAL RYEGRASS	1	40 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
NOVEMBER 1 TO SPRING SEEDING USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING			

AREA REQUIRING TEMPORARY STABILIZATION		TIME FRAME FOR SEEDING	
ANY AREAS THAT WILL LIE DORMANT FOR 1 YEAR OR MORE		WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE	
ANY AREAS WITHIN 50' OF A STREAM AND AT FINAL GRADE		WITHIN TWO DAYS OF REACHING FINAL GRADE	
ANY OTHER AREAS AT FINAL GRADE		WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA	
PERMANENT SEEDING MIXTURE			
SEEDING DATES	SPECIES	LB./1,000 sq.ft.	per Acre
MARCH 15 TO OCTOBER 1	TALL FESCUE	1	40-50 LBS
	TURF-TYPE (DWARF FESCUE)	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	PERENNIAL RYEGRASS	1	40 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
AUGUST 15 TO NOVEMBER 1	RYE	3	2 BUSHEL
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	WHEAT	1	2 BUSHEL
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	PERENNIAL RYEGRASS	1	40 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
NOVEMBER 1 TO SPRING SEEDING USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING			

SWPPP AMENDMENT LOG			
PROJECT NAME: _____		PAGE _____ OF _____	
SWPPP CONTACT: _____			
AMENDMENT NO.	DESCRIPTION OF AMENDMENT	DATE OF AMENDMENT	AMENDMENT PREPARED BY (NAME & TITLE)

GRADING & STABILIZATION LOG				
PROJECT NAME: _____		SWPPP CONTACT: _____		
DATE GRADING ACTIVITY STARTED	DESCRIPTION OF GRADING ACTIVITY	DATE GRADING ACTIVITY CEASED	DATE STABILIZATION MEASURES	DESCRIPTION OF STABILIZATION MEASURES AND LOCATION

PRE-CONSTRUCTION SWPPP MEETING
 PRIOR TO CONSTRUCTION THE PERMITEE SHALL INFORM ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH THE IMPLEMENTATION OF THE SWPPP AND OF THE TERMS AND CONDITIONS OF THE OHIO EPA CONSTRUCTION GENERAL PERMIT. THE PERMITEE SHALL MAINTAIN A WRITTEN DOCUMENT CONTAINING SIGNATURES AS PROOF OF ACKNOWLEDGMENT OF THE CONDITIONS AND RESPONSIBILITIES OF THE SWPPP.

INSPECTION DURING CONSTRUCTION
 REGULAR INSPECTION AND MAINTENANCE IS TO BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES DURING CONSTRUCTION. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD AND FOR 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES. INSPECTIONS BY QUALIFIED INSPECTION PERSONNEL MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24-HOUR PERIOD. IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE IS IN NEED OF REPAIR OR MAINTENANCE IS REQUIRED, IT MUST BE REPAIRED WITHIN 3 DAYS OF THE INSPECTION. SEDIMENT SETTLING PONDS MUST BE REPAIRED WITHIN 10 DAYS OF INSPECTION. INSPECTION REPORT SHALL PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CORRECTIVE MEASURES TAKEN TO COMPLY WITH THE REQUIREMENTS IN "RAINWATER & LAND DEVELOPMENT" (2006) AND SIGNED BY THE QUALIFIED INSPECTOR. MISSING BMPs REQUIRED BY THE SWPPP ARE REQUIRED TO BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION. IF DURING INSPECTIONS IT IS DETERMINED THAT A BMP IS NOT EFFECTIVE AND THAT ANOTHER BMP IS NEEDED TO PROVIDE ADEQUATE CONTROL ON SITE, THE SWPPP SHALL BE AMENDED AND THE BMP SHALL BE INSTALLED WITHIN 10 DAYS FROM THE DATE OF INSPECTION.

IF SITE IS DORMANT FOR A LONG PERIOD AND IS STABILIZED A WAIVER REQUEST MAY BE SUBMITTED TO THE OHIO EPA TO REDUCE SITE INSPECTIONS TO A MONTHLY BASIS.

POST CONSTRUCTION
 UPON COMPLETION OF SITE STABILIZATION, A NOTICE OF TERMINATION SHALL BE FILED WITH THE OHIO EPA. THE RESPONSIBLE PARTY SHALL COMPILE ALL INSPECTIONS, SIGN CERTIFICATION ON THE TITLE SHEET AND KEEP RECORDS FOR A MINIMUM OF 3 YEARS AFTER THE NOTICE OF TERMINATION WAS FILED.

POST CONSTRUCTION INSPECTION AND MAINTENANCE OF POST CONSTRUCTION BMPs SHALL BE THE RESPONSIBILITY OF THE DEVELOPMENT OWNER. INSPECTION SHALL BE DONE BY A CONTRACTOR SUITED FOR SUCH INSPECTIONS AND FUNDED BY THE DEVELOPMENT OWNER. CONTRACTOR SHALL REPORT FINDINGS DIRECTLY TO THE DEVELOPMENT OWNER.

DUST CONTROL:
DESCRIPTION: DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION, AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

CONDITIONS WHERE PRACTICE APPLIES AND PLANNING CONSIDERATIONS: IN AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY TO OCCUR IF PREVENTATIVE MEASURES ARE NOT TAKEN.

DESIGN CRITERIA: A NUMBER OF MEASURES CAN BE UTILIZED TO LIMIT DUST EITHER DURING OR BETWEEN CONSTRUCTION STAGES OR ONCE CONSTRUCTION IS COMPLETE. GENERALLY THE SAME METHODS THAT ARE USED TO LIMIT EROSION BY LIMITING EXPOSURE OF SOILS TO RAINFALL CAN BE USED TO LIMIT DUST INCLUDING: STABILIZING EXPOSED SOILS WITH MULCH, VEGETATION OR PERMANENT COVER. ADDITIONAL METHODS PARTICULAR TO DUST CONTROL INCLUDING MANAGING VEHICLES AND CONSTRUCTION TRAFFIC, ROAD TREATMENT AND TREATMENT OF EXPOSED SOIL WITH CHEMICAL STABILIZERS.

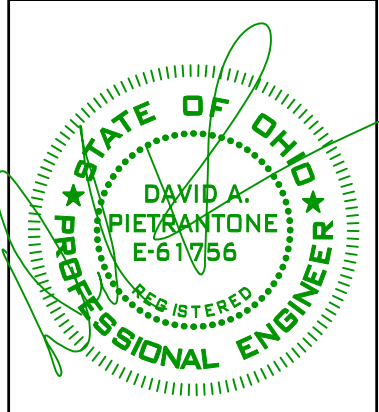
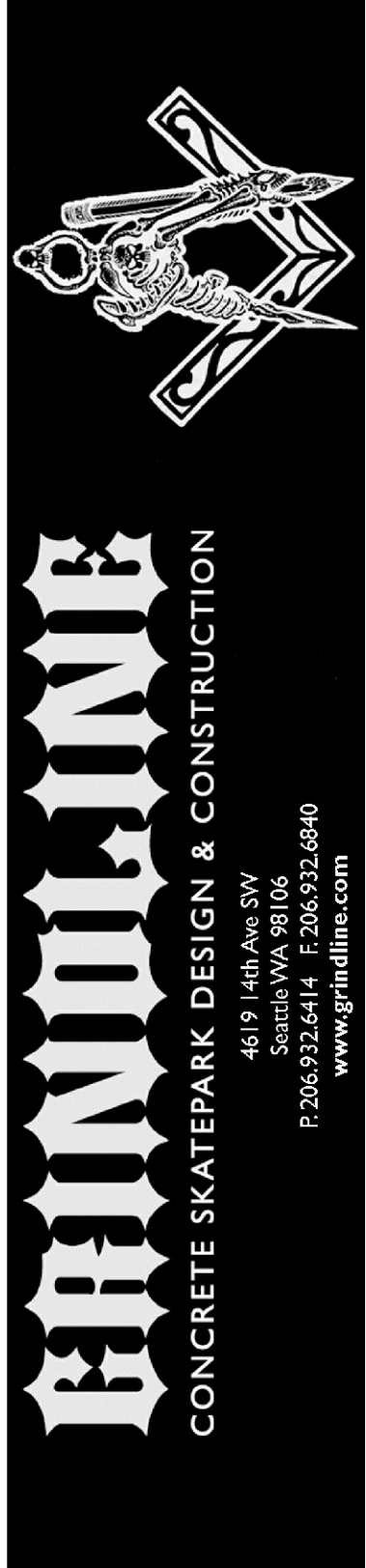
USED OIL SHALL NOT BE USED AS A DUST SUPPRESSANT. DUST CONTROLS MAY INCLUDE THE USE OF WATER TRUCKS TO WET DISTURBED AREAS, TAPPING STOCKPILES, TEMPORARY STABILIZATION OF DISTURBED AREAS, AND REGULATION OF THE SPEED OF VEHICLES ON THE SITE.

SPECIFICATIONS FOR DUST CONTROL:

1. VEGETATIVE COVER AND/MULCH – APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS.
2. WATERING – SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROUTES AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION.
3. SPRAY-ON ADHESIVES – APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.
4. STONE – GRADED ROADWAYS AND OTHER SUITABLE AREAS WILL BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
5. BARRIERS – EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT TO CONTROL AIR CURRENTS AND BLOWING SOIL.
6. OPERATION AND MAINTENANCE – WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.
7. STREET CLEANING – PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE END LOADER OR SCRAPER.

ADDITIONAL CONSTRUCTION SITE POLLUTION CONTROLS
OHIO RAINWATER AND LAND DEVELOPMENT MANUAL (2006)

1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
 - PREVENT SPILLS
 - USE PRODUCTS UP
 - FOLLOW LABEL DIRECTIONS FOR DISPOSAL
 - REMOVE LIDS FROM EMPTY BOTTLES AND CAN WHEN DISPOSING IN TRASH
 - RECYCLE WASTES WHENEVER POSSIBLE
 - DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
 - DON'T POUR DOWN THE SINK, FLOOR DRAIN OR SEPTIC TANKS
 - DON'T BURY WASTES UNDER OR IN CONTAINERS
 - DON'T BURN CHEMICALS OR CONTAINERS
 - DON'T MIX CHEMICALS TOGETHER
2. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CDD&D) WASTES MUST BE DISPOSED OF AT AN OHIO EPA APPROVED CDD&D LANDFILL.
3. NO CONSTRUCTION RELATED WASTE MATERIAL ARE TO BE BURIED ON-SITE. BY EXCEPTION, CLEAN FILL (BRICKS, HARDENED CONCRETE SOIL) MAY BE UTILIZED IN A WAY WHICH DOES NOT ENCRONCH UPON NATURAL WETLANDS, STREAMS OR FLOOD PLAINS OR RESULT IN THE CONTAMINATION OF WATER OF THE STATE.
4. HANDLING CONSTRUCTION CHEMICALS, MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
5. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREA MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HOURS OF A 0.5 INCH OR GREATER RAINFALL EVENT TO ENSURE THERE ARE NO EXPOSED MATERIAL WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 600 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1,330 GALLONS OR MORE OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE DISPOSED OF IN ACCORDANCE WITH ITEM 8.
6. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAM, DITCHES, STORM DRAINS OR ANY OTHER WATER CONVEYANCE, A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED AWAY FROM ANY WATER CONVEYANCES.
7. SPILL REPORTING REQUIREMENTS. SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILL SHALL BE REPORTED TO OHIO EPA (1-800-282-9378). SPILL OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OHIO EPA, THE LOCAL FIRE DEPARTMENT AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MIN. OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO OHIO EPA.
8. CONTAMINATED SOILS. IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEADED OR RELEASED ONTO THE SOIL, THE SOIL SHALL BE DUG UP AND DISPOSED OF AT A LICENSED SANITARY LANDFILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY. (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL). NOTE THAT STORM WATER RUN OFF ASSOCIATED WITH CONTAMINATED SOILS ARE NOT AUTHORIZED UNDER OHIO EPA'S GENERAL STORM WATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
9. OPEN BURNING. NO MATERIALS CONTAINING RUBBER, GREASE, ASPHALT OR PETROLEUM PRODUCTS; SUCH AS TIRES, AUTO PARTS, PLASTICS OR PLASTIC COATED WIRE MAY BE BURNED (OAC 3745-19). OPEN BURNING IS NOT ALLOWED IN RESTRICTED AREAS, WHICH ARE DEFINED AS:
 - 1) WITHIN CORPORATION LIMITS;
 - 2) WITHIN 1,000 FEET OUTSIDE A MUNICIPAL CORPORATION HAVE A POPULATION OF 1,000 TO 10,000;
 - 3) A ONE MILE ZONE OUTSIDE OF A CORPORATION OF 10,000 OR MORE.
 OUTSIDE RESTRICTED AREAS, NO OPEN BURNING IS ALLOWED WITHIN A 1,000 FEET OF AN INHABITED BUILDING ON ANOTHER PROPERTY. OPEN BURNING IS PERMISSIBLE IN A RESTRICTED AREA FOR: HEATING TAR, WELDING, SMUDGE POTS AND SIMILAR OCCUPATIONAL NEEDS, AND HEATING FOR WARMTH OR OUTDOOR BARBECUES. OUTSIDE OF RESTRICTED AREAS, OPEN BURNING IS PERMISSIBLE FOR LANDSCAPE OR LAND-CLEARING WASTES (PLANT MATERIAL) WITH PRIOR WRITTEN PERMISSION FROM OHIO EPA), AND AGRICULTURAL WASTES, EXCLUDING BUILDINGS.
10. DUST CONTROL OR DUST SUPPRESSANTS SHALL BE USED TO PREVENT NUISANCE CONDITIONS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENT A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. USED OIL MAY NOT BE APPLIED FOR DUST CONTROL.
11. OTHER AIR PERMITTING REQUIREMENTS: CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC OHIO EPA AIR PERMITS FOR INSTALLATION AND OPERATION. OPERATORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING DISTRICT OF OHIO EPA. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO OHIO EPA TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.
12. PROCESS WASTE WATER/LEACHATE MANAGEMENT. OHIO EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE, CONCRETE WASH-OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED, IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
13. A PERMIT TO INSTALL (PTI) IS REQUIRED PRIOR TO THE CONSTRUCTION OF ALL CENTRALIZED SANITARY SYSTEMS, INCLUDING SEWER EXTENSIONS, AND SEWERAGE SYSTEMS (EXCEPT THOSE SERVICE ONE, TWO AND THREE FAMILY DWELLINGS) AND POTABLE WATER LINES. PLANS MUST BE SUBMITTED AND APPROVED BY OHIO EPA. ISSUANCE OF AN OHIO EPA CONSTRUCTION GENERAL STORM WATER PERMIT DOES NOT AUTHORIZE THE INSTALLATION OF ANY SEWERAGE SYSTEM WHERE OHIO EPA HAS NOT APPROVED A PTI.



100% SET

SCALE: _____

SWPPP

PROJECT: HUDSON SKATEPARK
 LOCATION: HUDSON, OHIO

SHEET: **C7.03**

DATE: **11/15/19**

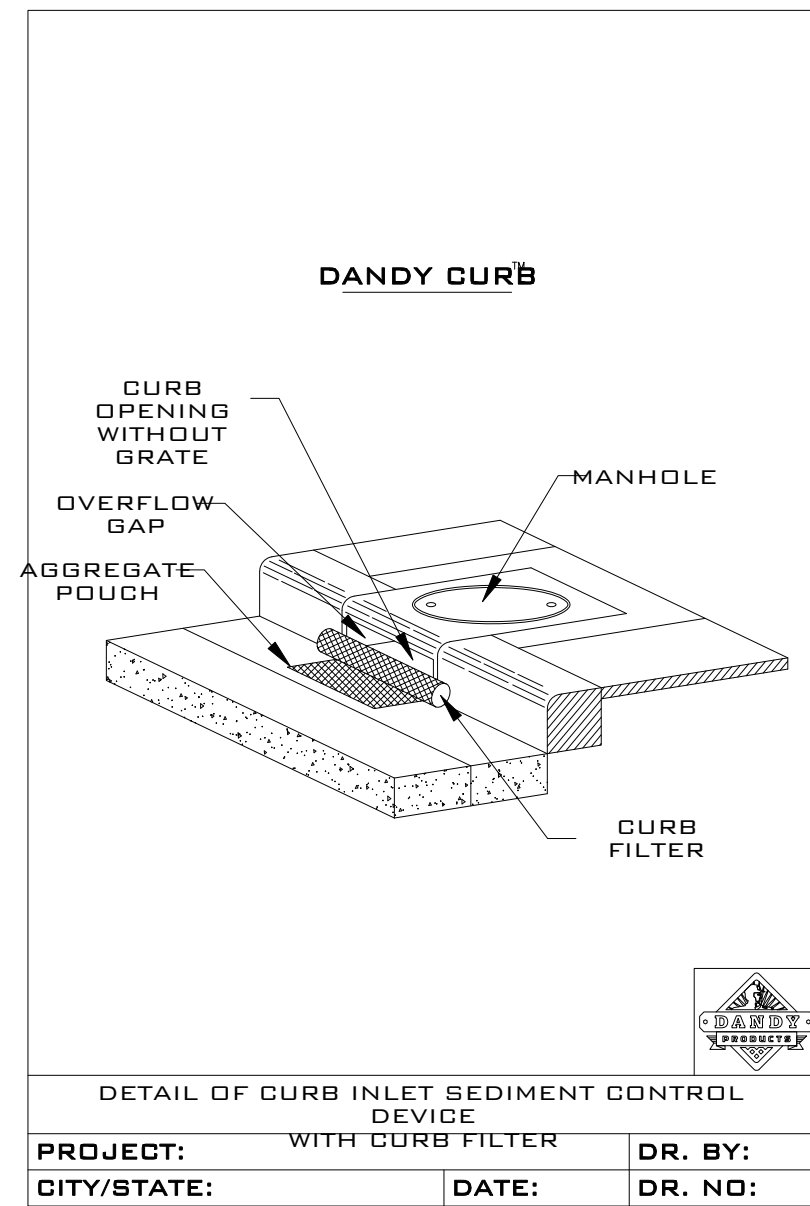
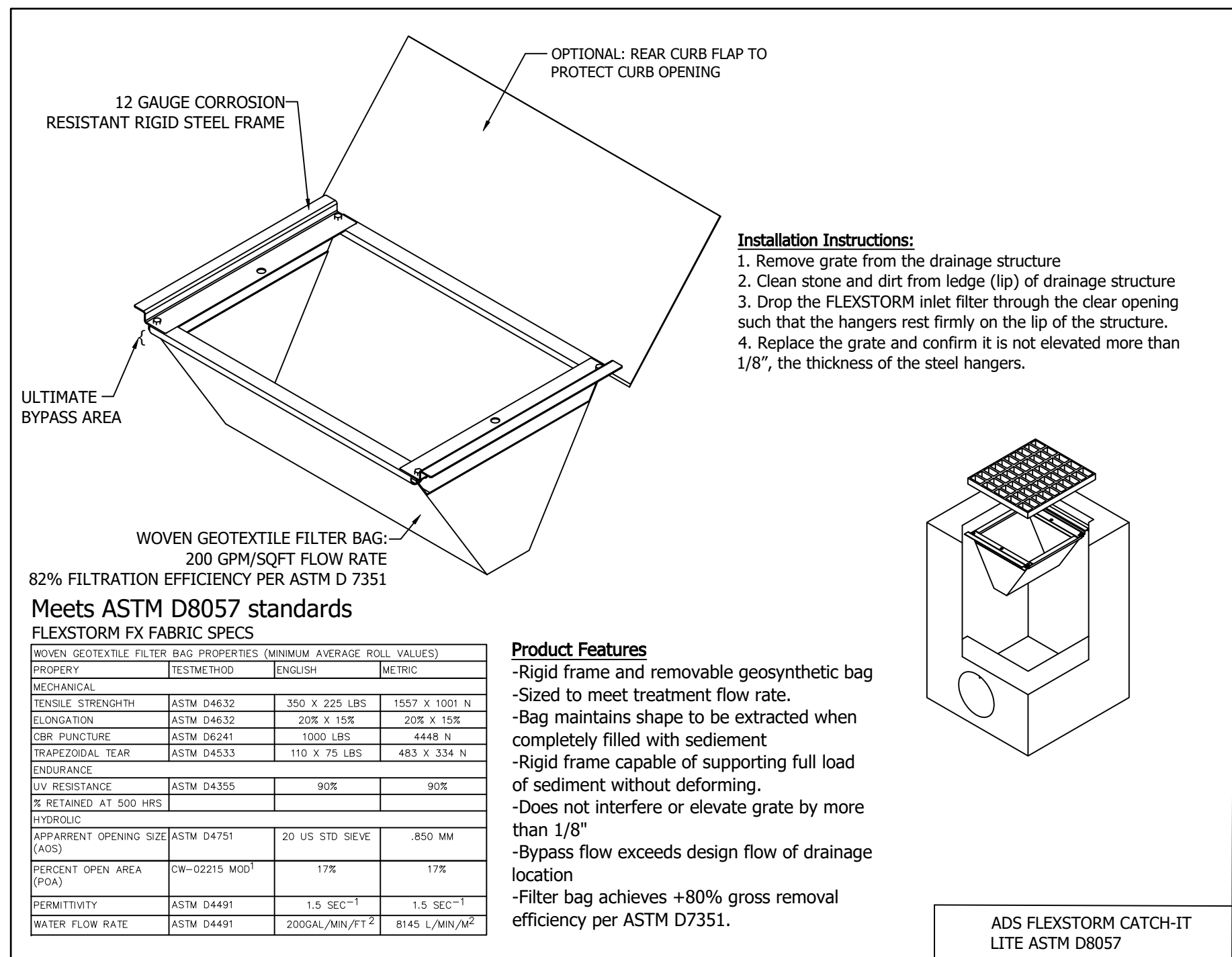
DRAWN BY: **JPD**
 CHECKED BY: **DAP**



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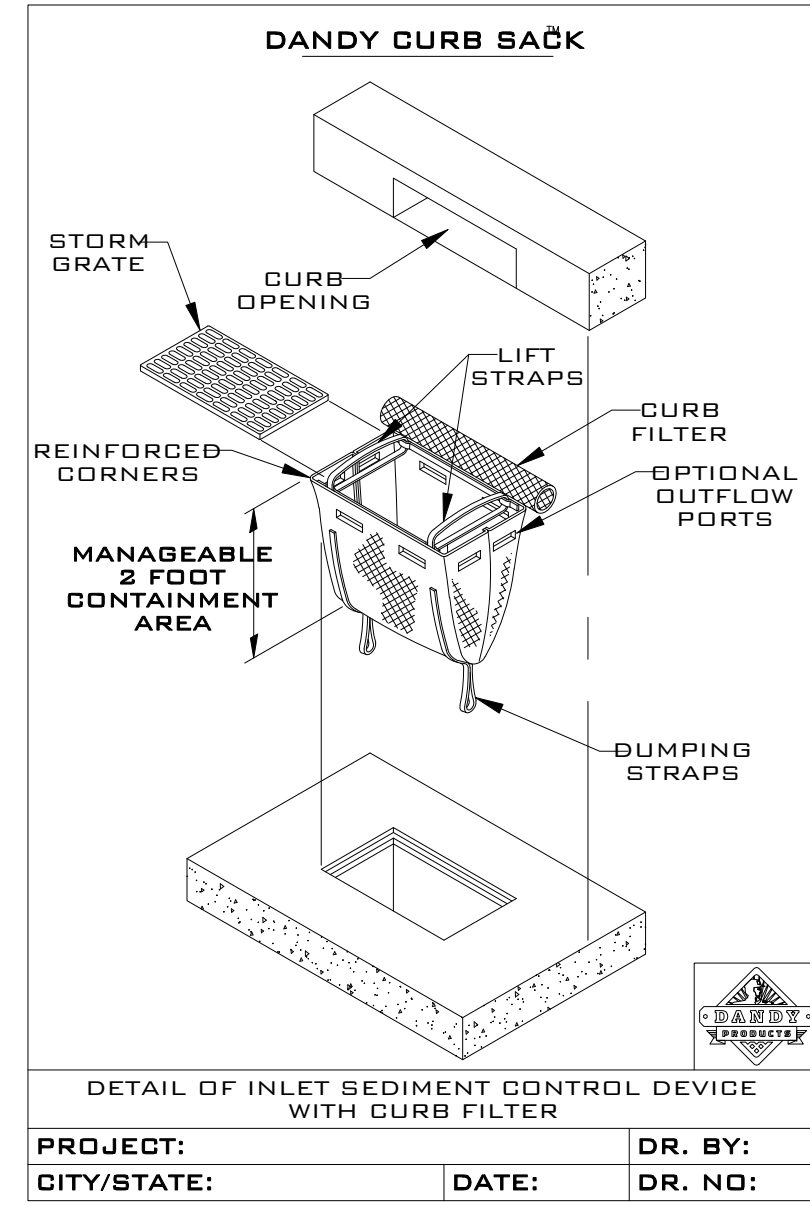
DANDY CURB™ SPECIFICATIONS

NOTE: THE DANDY CURB™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFLAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

DANDY CURB™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	stk (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	5 X 15
Puncture Strength	ASTM D 4833	stk (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	mps (psi)	5006 (360)
Trapezoidal Tear Strength	ASTM D 4533	stk (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4302	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	1/min/m ² (gpm/m ²)	5907 (145)
Permittivity	ASTM D 4491	sec	2.1

*Note: All Dandy Curbs™ can be ordered with our optional oil absorbents



DANDY CURB SACK™ SPECIFICATIONS

NOTE: THE DANDY CURB SACK™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFLAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

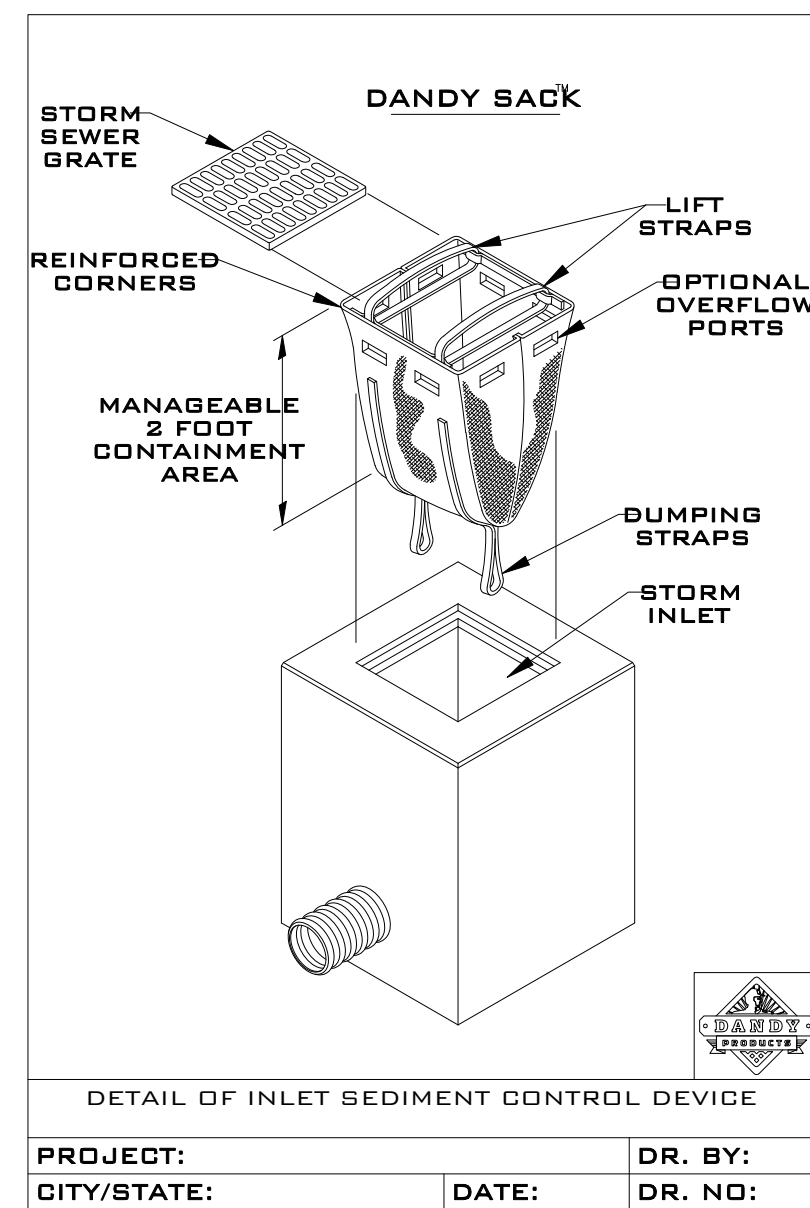
REGULAR FLOW DANDY CURB SACK™ (BLACK)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	stk (lbs)	1.78 (400) X 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	5 X 15
Puncture Strength	ASTM D 4833	stk (lbs)	0.37 (85)
Mullen Burst Strength	ASTM D 3786	mps (psi)	5006 (360)
Trapezoidal Tear Strength	ASTM D 4533	stk (lbs)	0.87 (190) X 0.73 (165)
UV Resistance	ASTM D 4302	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	1/min/m ² (gpm/m ²)	2852 (70)
Permittivity	ASTM D 4491	sec	0.90

H-FLOW DANDY CURB SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	stk (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	5 X 15
Puncture Strength	ASTM D 4833	stk (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	mps (psi)	5006 (360)
Trapezoidal Tear Strength	ASTM D 4533	stk (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4302	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	1/min/m ² (gpm/m ²)	5907 (145)
Permittivity	ASTM D 4491	sec	2.1

*Note: All Dandy Sacks™ can be ordered with our optional oil absorbent pillows



DANDY SACK™ SPECIFICATIONS

NOTE: THE DANDY SACK™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFLAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY SACK™ (BLACK)

Mechanical Properties	Test Method	Units	MARV
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*Note: All Dandy Sacks™ can be ordered with our optional oil absorbent pillows

Concrete Washout Areas

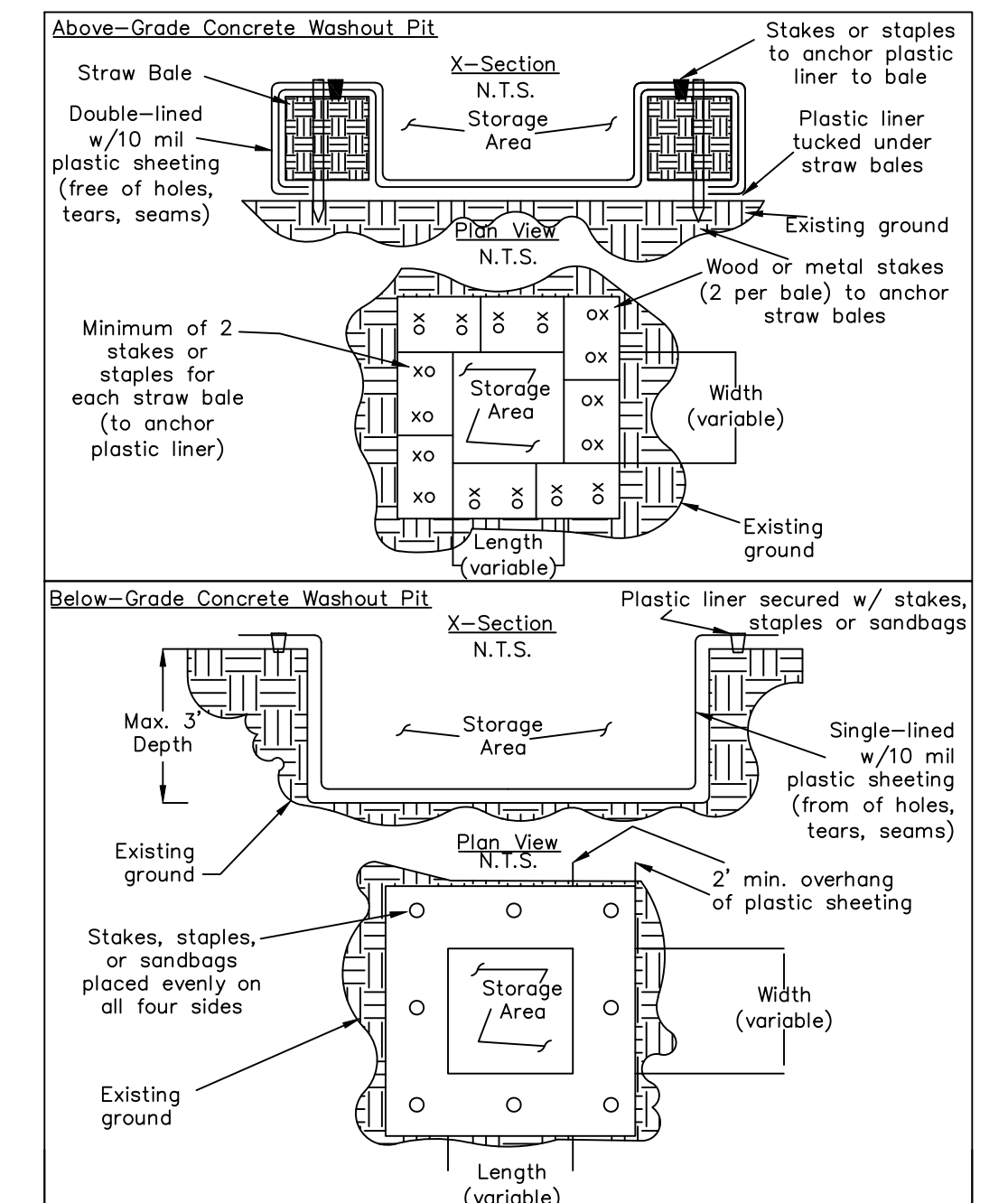
- Installation:
1. Concrete wash water shall not be allowed to flow to streams, ditches, storm drains, or any other water conveyance and washout pits shall be situated a minimum of fifty (50) feet from them.
 2. Field tile or other subsurface drainage structures within 10 ft. of the sump shall be cut and plugged.
 3. Ensure a stable path is provided for concrete trucks to reach the washout area.
 4. A highly visible sign that reads "Concrete Washout Area" shall be erected adjacent to the washout pit.
 5. Surface runoff generated from upslope areas shall be diverted away from below-grade washout pits so as not to flow into them.
 6. A single centralized washout area may be utilized for multiple sublots.

- Maintenance:
7. The washout pit must be inspected frequently to ensure the liner is intact.
 8. Once 75% of the original volume of the washout pit is filled or is the liner is torn, the material must be removed and properly disposed of once it is completely hardened. Once the hardened concrete is removed, the liner must be replaced (if torn). A new pit must be constructed if the original structure is no longer suitable.
- Removal:
9. Once the washout pit is no longer needed, ensure all washout material has been completely hardened, then remove and properly dispose of all materials. If straw bales were used, they can be spread as mulch.
 10. Prefabricated containers specifically designed for concrete washout collection may be used subject to prior approval by the Community Engineer. Follow the manufacturer's suggestions for installation, maintenance and removal procedures.

Sizing of Concrete Washout Pits

Below-grade (3-ft depth)			Above-grade (2-ft depth)		
# of concrete trucks expected to be washed out on site*	Width (ft)	Length (ft)	# of concrete trucks expected to be washed out on site*	Width (ft)	Length (ft)
2-3	3	3	2	3	3
4-5	4	4	3-4	4	4
6-7	5	5	5-6	5	5
8-10	6	6	7-8	6	6
11-14	7	7	9-11	7	7
			12-15	8	8

*For small projects using a maximum of only one truckload of concrete or utilizing on-site mixing, rinsing of equipment may take place on the lot without a pit, provided it can be done on a maximum of fifty (50) feet away from any water conveyances



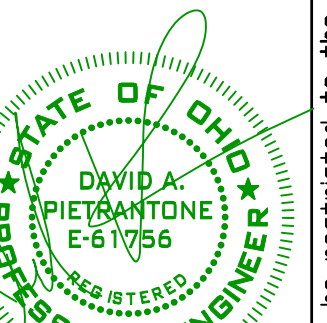
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CLEVELAND - OHIO - 44114
PHONE: (216) 491-2000 FAX: (216) 491-9640
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www.riverstoneinc.com



100% SET

SCALE:

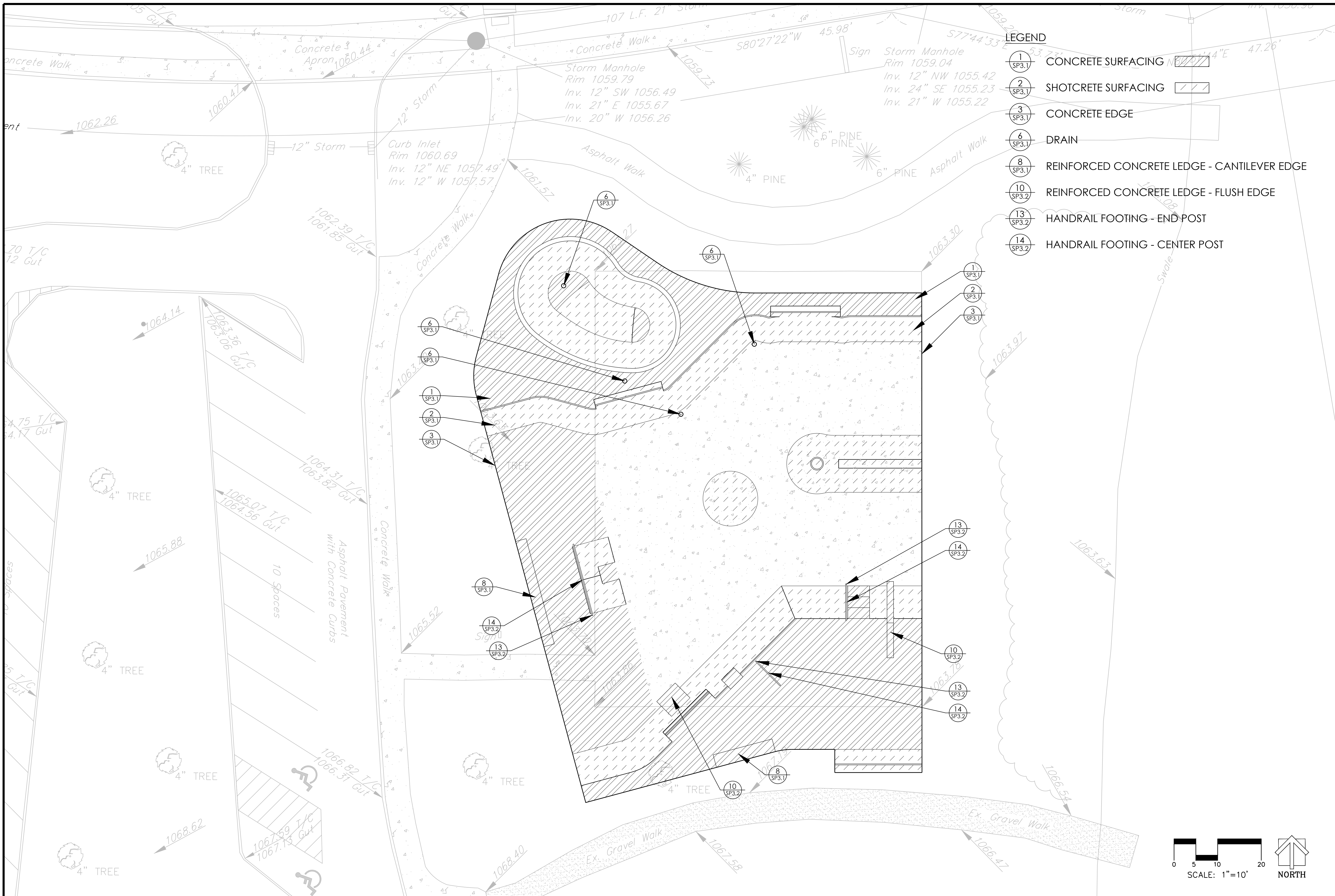
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LOCATION: HUDSON, OHIO


SHEET: C7.04

DATE: 11/15/19

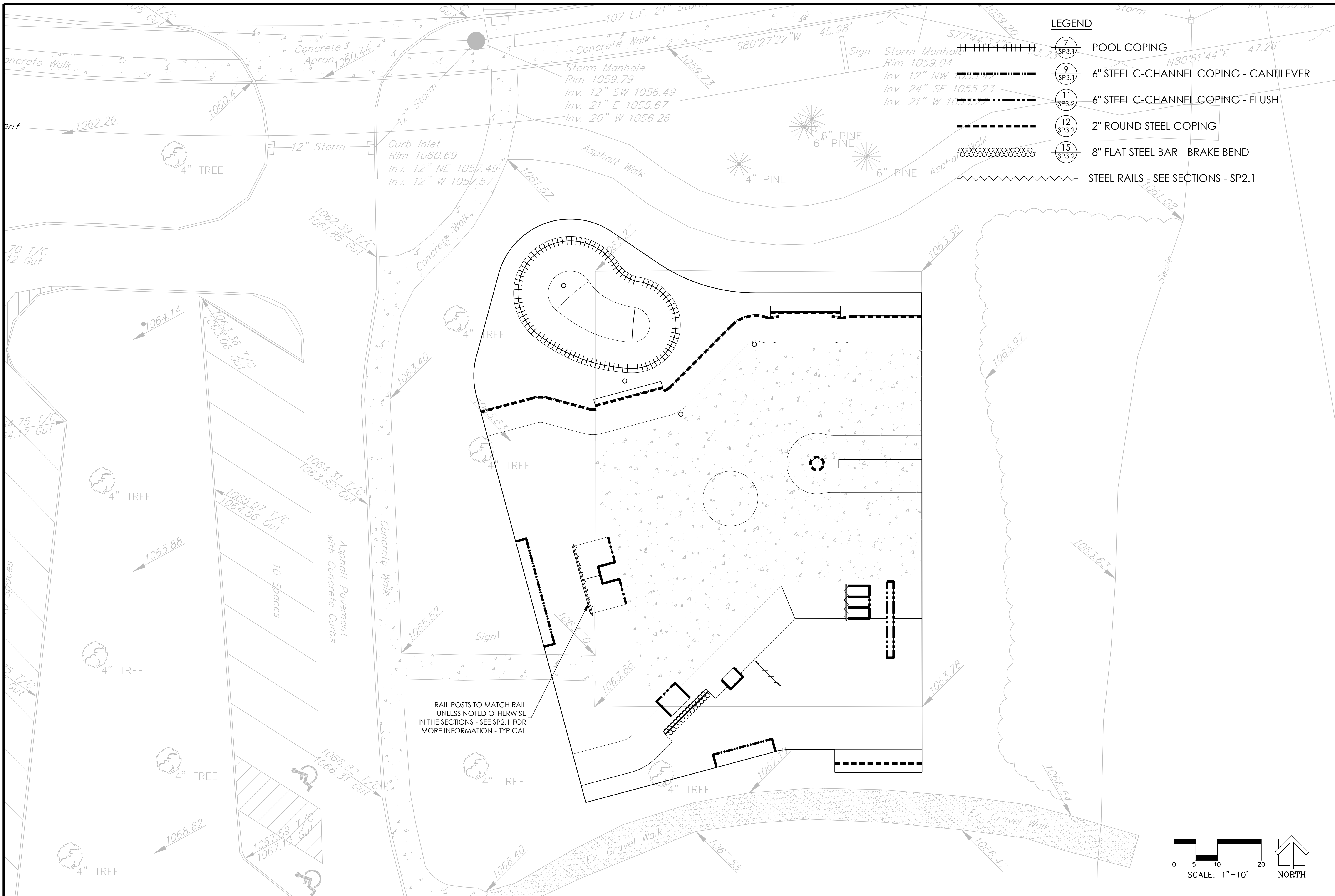
DRAWN BY: JPD
CHECKED BY: DAP

19-010


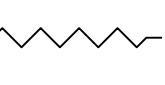



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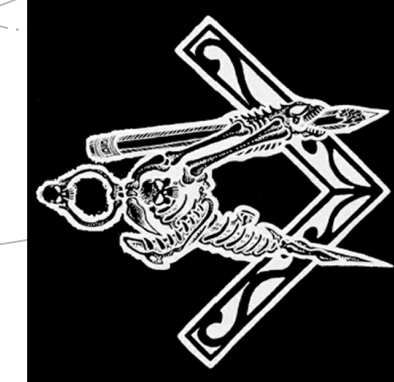
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LEGEND

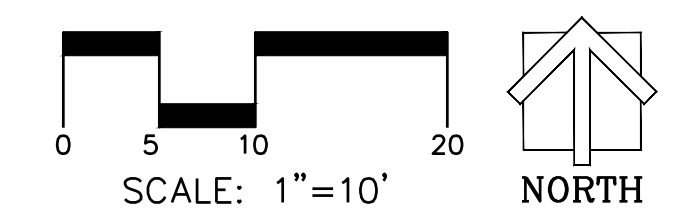
-  **7** POOL COPING
- 9** 6" STEEL C-CHANNEL COPING - CANTILEVER
- 11** 6" STEEL C-CHANNEL COPING - FLUSH
- 12** 2" ROUND STEEL COPING
- 15** 8" FLAT STEEL BAR - BRAKE BEND
-  STEEL RAILS - SEE SECTIONS - SP2.1

RAIL POSTS TO MATCH RAIL
UNLESS NOTED OTHERWISE
IN THE SECTIONS - SEE SP2.1 FOR
MORE INFORMATION - TYPICAL

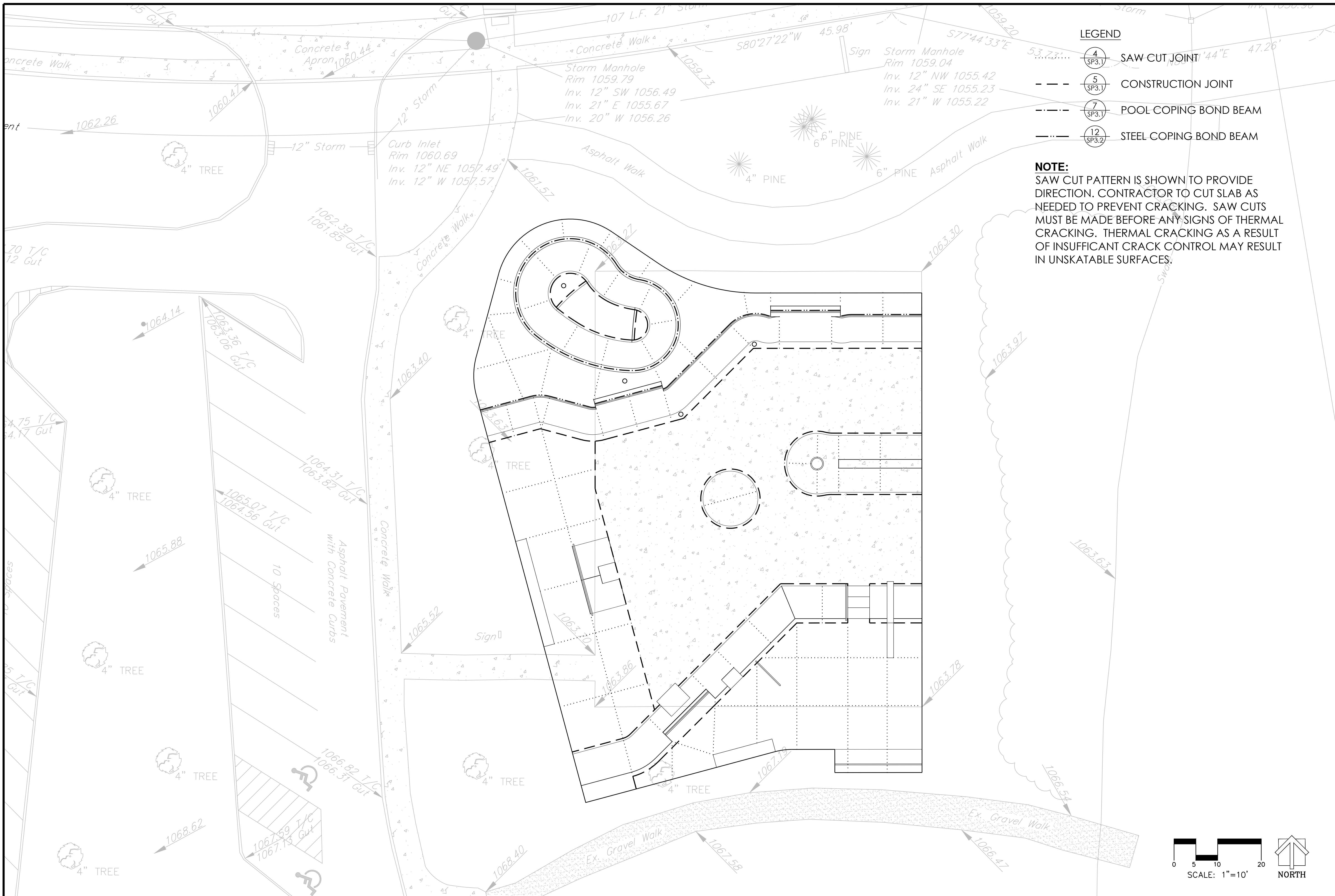


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SCALE: 1" = 10'
COPING MATERIALS PLAN
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OH
SHEET: SP1.2
DATE: 11.15.19
DRAWN BY: BAJ CHECKED BY: MBF



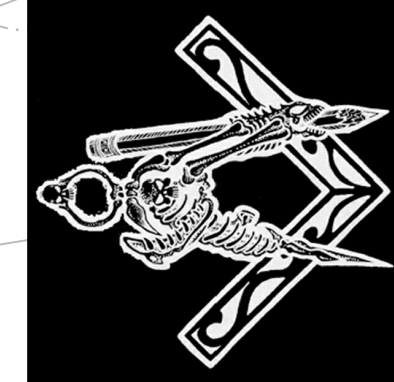
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LEGEND

- ④ SP3.1 SAW CUT JOINT '44"E 47.26'
- ⑤ SP3.1 CONSTRUCTION JOINT
- ⑦ SP3.1 POOL COPING BOND BEAM
- ⑫ SP3.2 STEEL COPING BOND BEAM

NOTE:
 SAW CUT PATTERN IS SHOWN TO PROVIDE DIRECTION. CONTRACTOR TO CUT SLAB AS NEEDED TO PREVENT CRACKING. SAW CUTS MUST BE MADE BEFORE ANY SIGNS OF THERMAL CRACKING. THERMAL CRACKING AS A RESULT OF INSUFFICIENT CRACK CONTROL MAY RESULT IN UNSKATABLE SURFACES.



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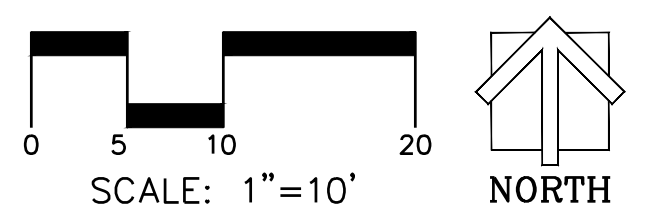
SCALE: 1" = 10'

CONCRETE JOINTS
 PROJECT: HUDSON SKATEPARK
 LOCATION: HUDSON, OH

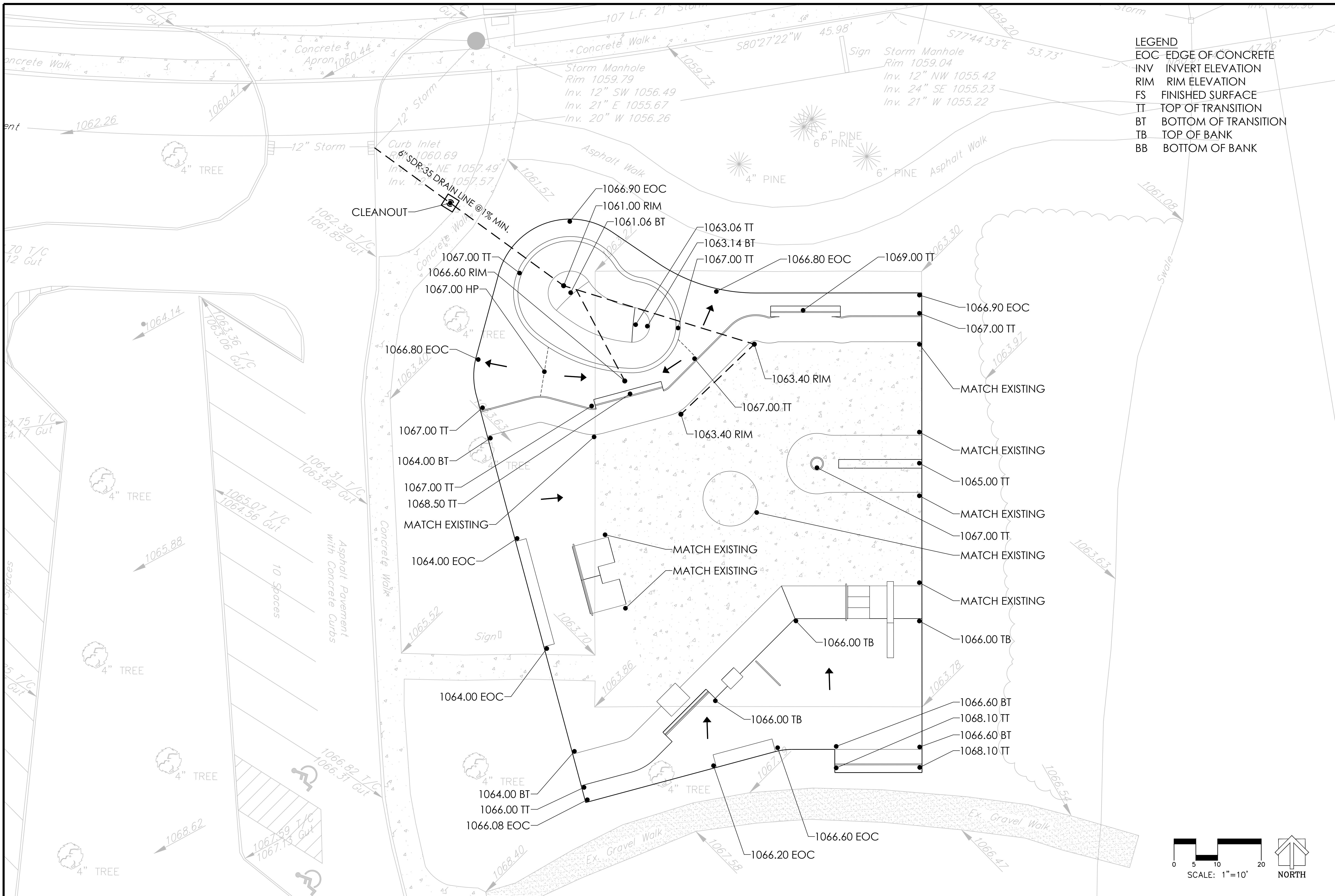
SHEET:
SP1.3

DATE: 11.15.19

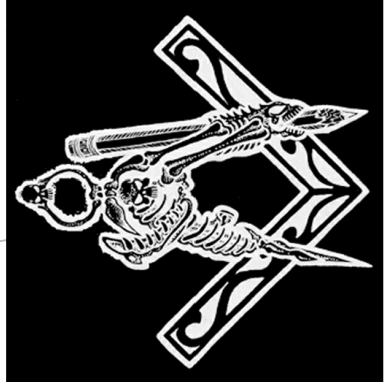
DRAWN BY: BAJ
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- LEGEND**
- EOC EDGE OF CONCRETE
 - INV INVERT ELEVATION
 - RIM RIM ELEVATION
 - FS FINISHED SURFACE
 - TT TOP OF TRANSITION
 - BT BOTTOM OF TRANSITION
 - TB TOP OF BANK
 - BB BOTTOM OF BANK



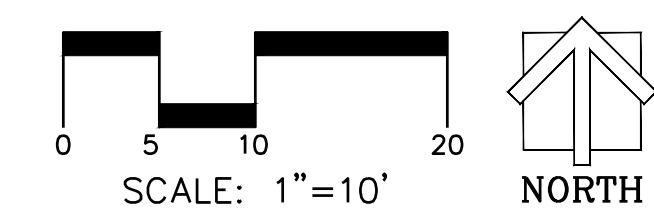
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SCALE: 1" = 10'

VERTICAL CONTROLS

PROJECT: HUDSON SKATEPARK
 LOCATION: HUDSON, OH

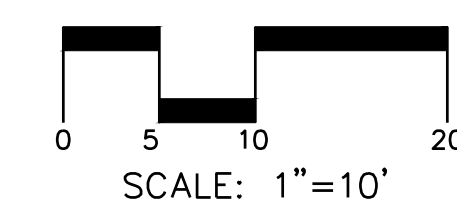
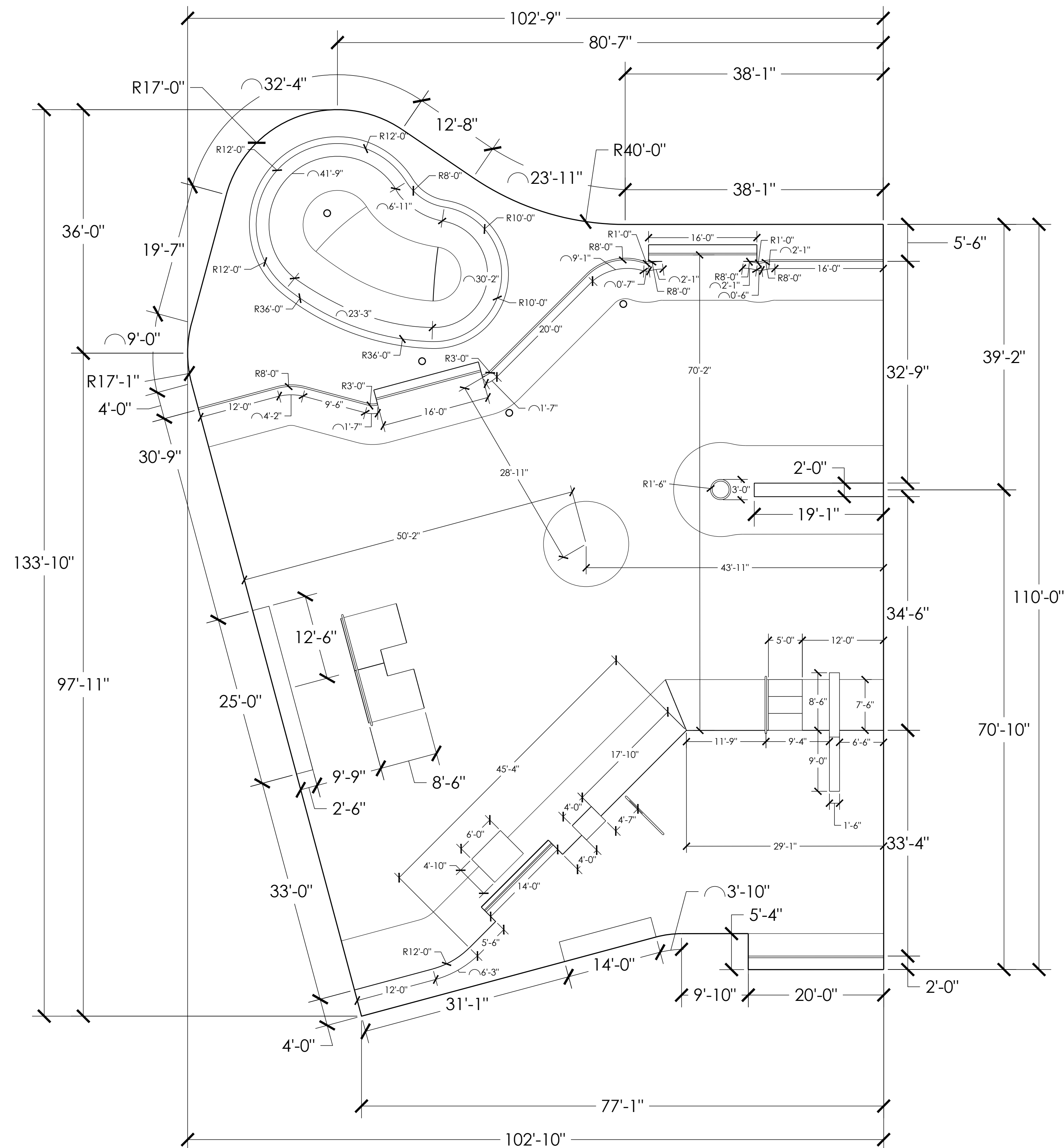
SHEET: SP1.4
 DATE: 11.15.19
 DRAWN BY: BAJ
 CHECKED BY: MBF



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LEGEND

ARC LENGTH: \frown
 RADIUS: R



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SCALE: 1" = 10'

DIMENSIONS PLAN
 PROJECT: HUDSON SKATEPARK
 LOCATION: HUDSON, OH

SHEET:
SP1.6

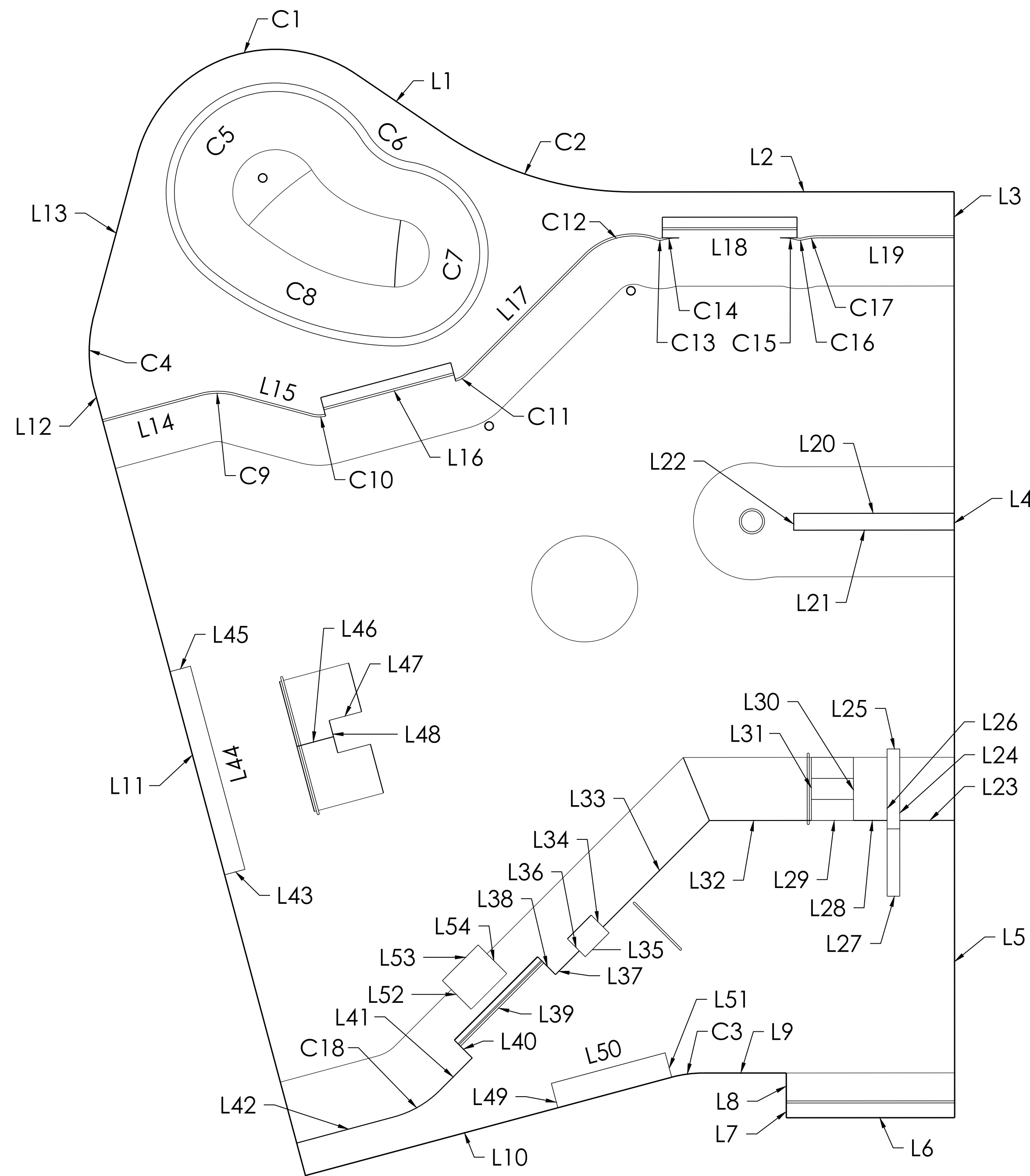
DATE: 11.15.19

DRAWN BY: BAJ
 CHECKED BY: MBF

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Line Table	
Line (#)	Length (FT)
L1	12.67
L2	38.09
L3	5.21
L4	69.24
L5	35.32
L6	20.00
L7	2.00
L8	3.32
L9	9.86
L10	45.05
L11	92.74
L12	4.00
L13	19.61
L14	12.00
L15	9.50
L16	16.00
L17	20.00
L18	16.00
L19	16.00
L20	19.07

Line Table	
Line (#)	Length (FT)
L21	19.07
L22	2.00
L23	6.50
L24	17.50
L25	1.50
L26	17.50
L27	1.50
L28	4.00
L29	5.00
L30	7.50
L31	7.50
L32	12.11
L33	17.87
L34	3.00
L35	4.00
L36	3.00
L37	4.00
L38	3.00
L39	14.00
L40	3.00

Line Table	
Line (#)	Length (FT)
L41	5.50
L42	12.00
L43	2.50
L44	25.00
L45	2.50
L46	4.50
L47	4.00
L48	4.00
L49	3.00
L50	14.00
L51	3.00
L52	4.82
L53	6.00
L54	4.82

Curve Table		
Curve #	Arc Length (FT)	Radius (FT)
C1	32.35	17.00
C2	23.88	40.00
C3	3.80	14.50
C4	9.02	17.12
C5	41.79	12.00
C6	6.91	8.00
C7	30.17	10.00
C8	23.28	36.00
C9	4.19	8.00
C10	1.57	3.00
C11	1.57	3.00
C12	9.08	8.00
C13	0.61	1.00
C14	2.09	8.00
C15	2.09	8.00
C16	0.52	1.00
C17	2.09	8.00
C18	6.28	12.00

SCALE: N.T.S.

LINES & CURVES PLAN

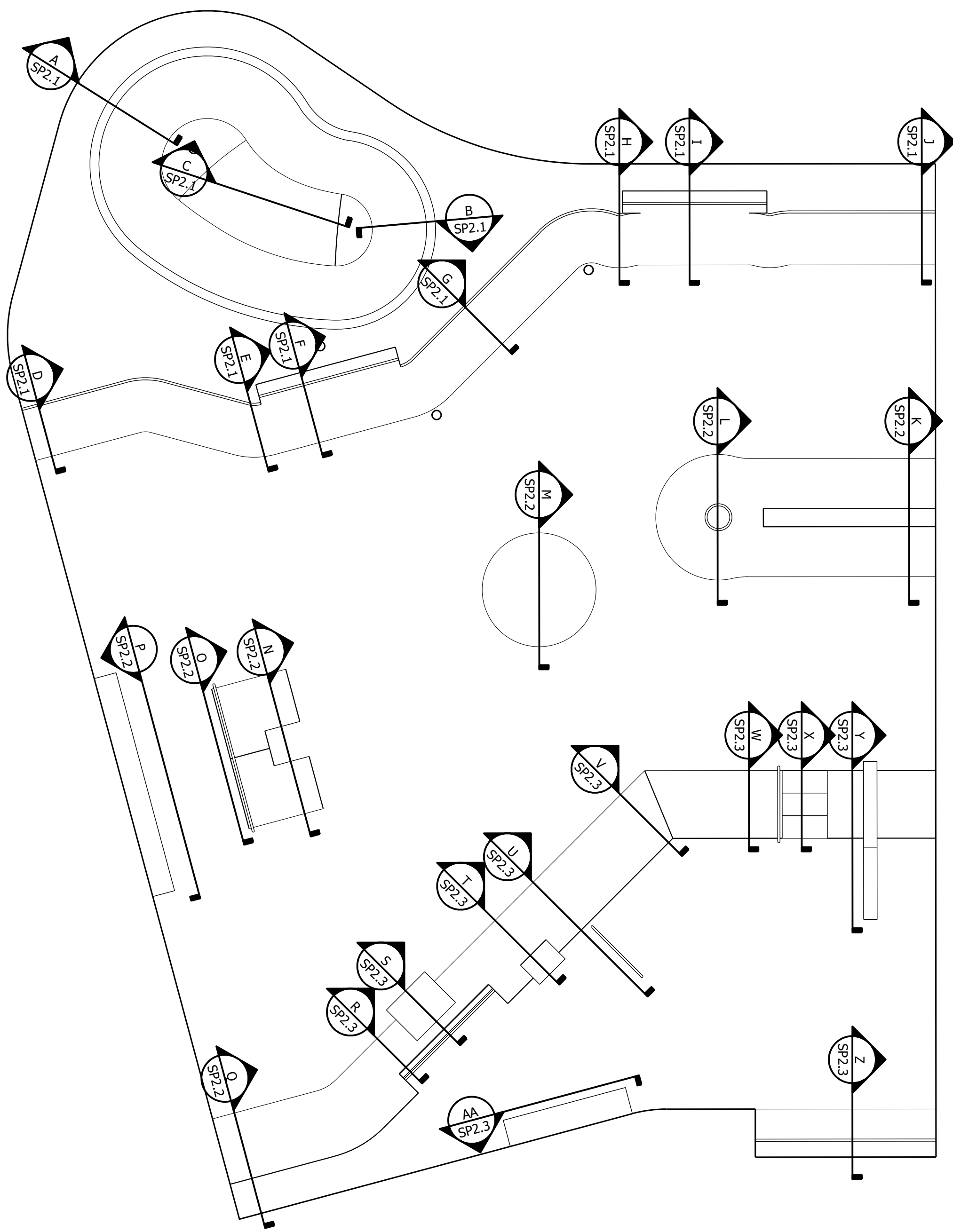
PROJECT: HUDSON SKATEPARK
 LOCATION: HUDSON, OH

SHEET: SP1.7

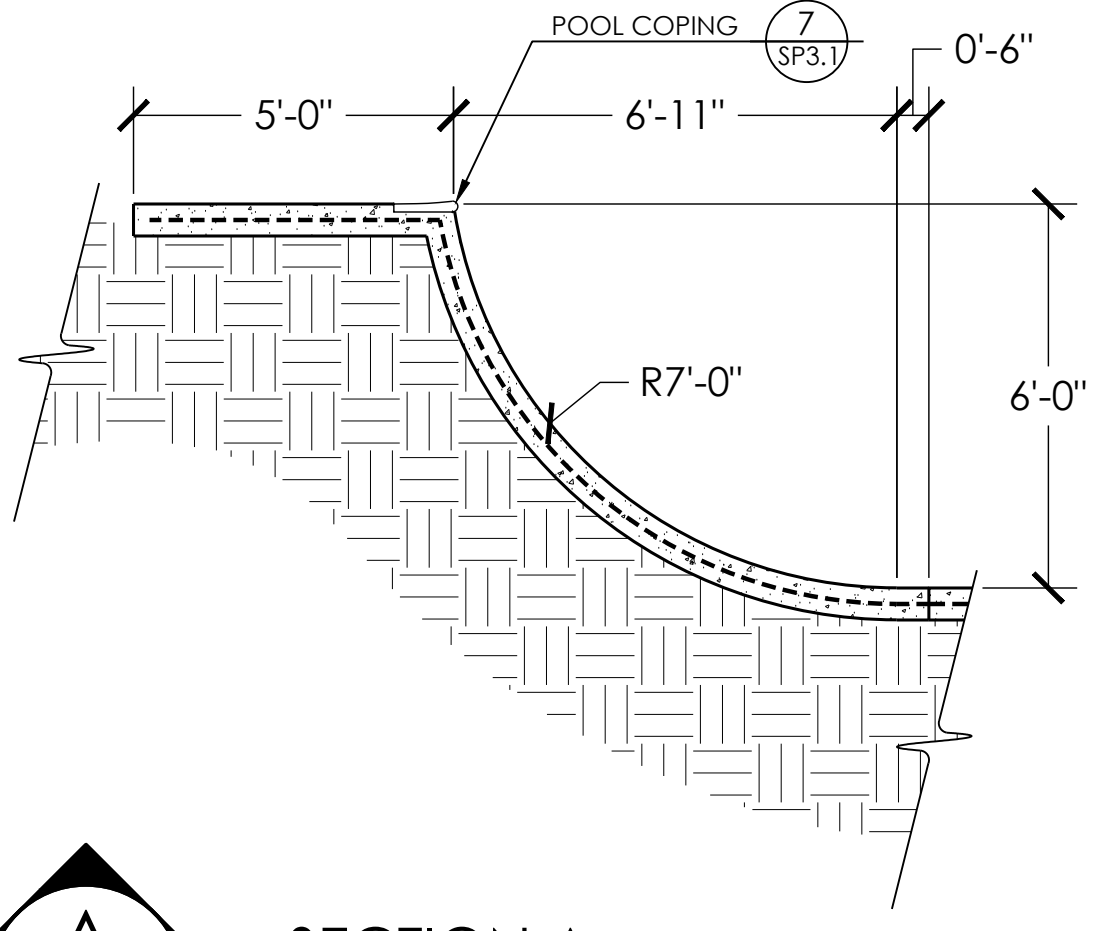
DATE: 11.15.19

DRAWN BY: BAJ
 CHECKED BY: MBF

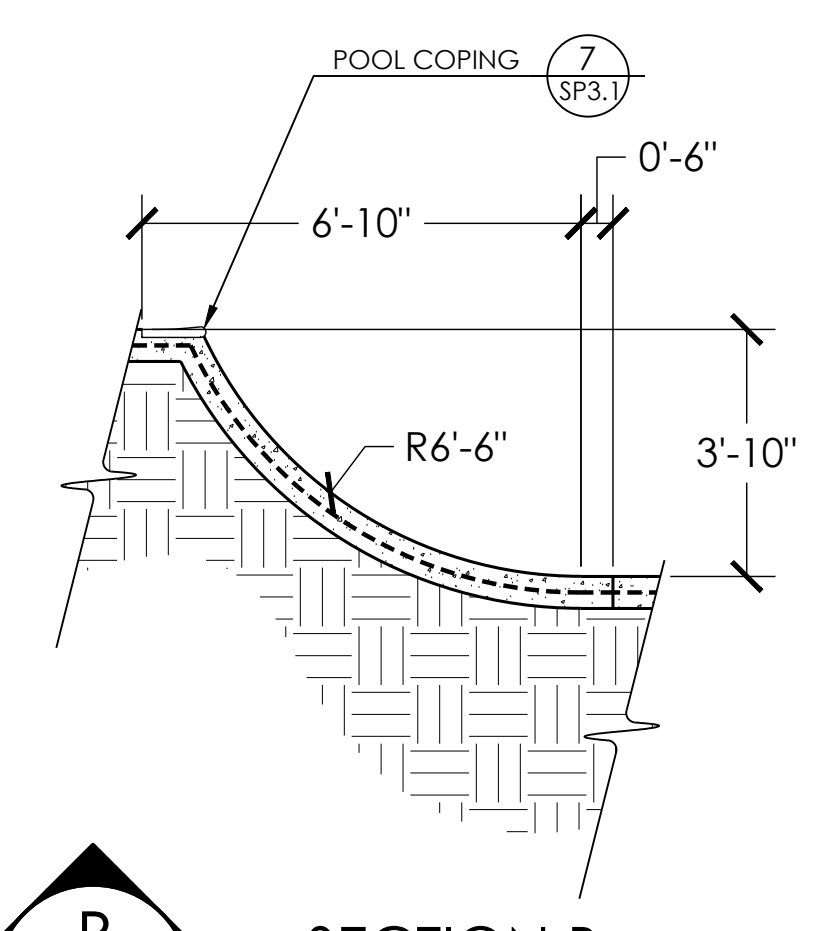
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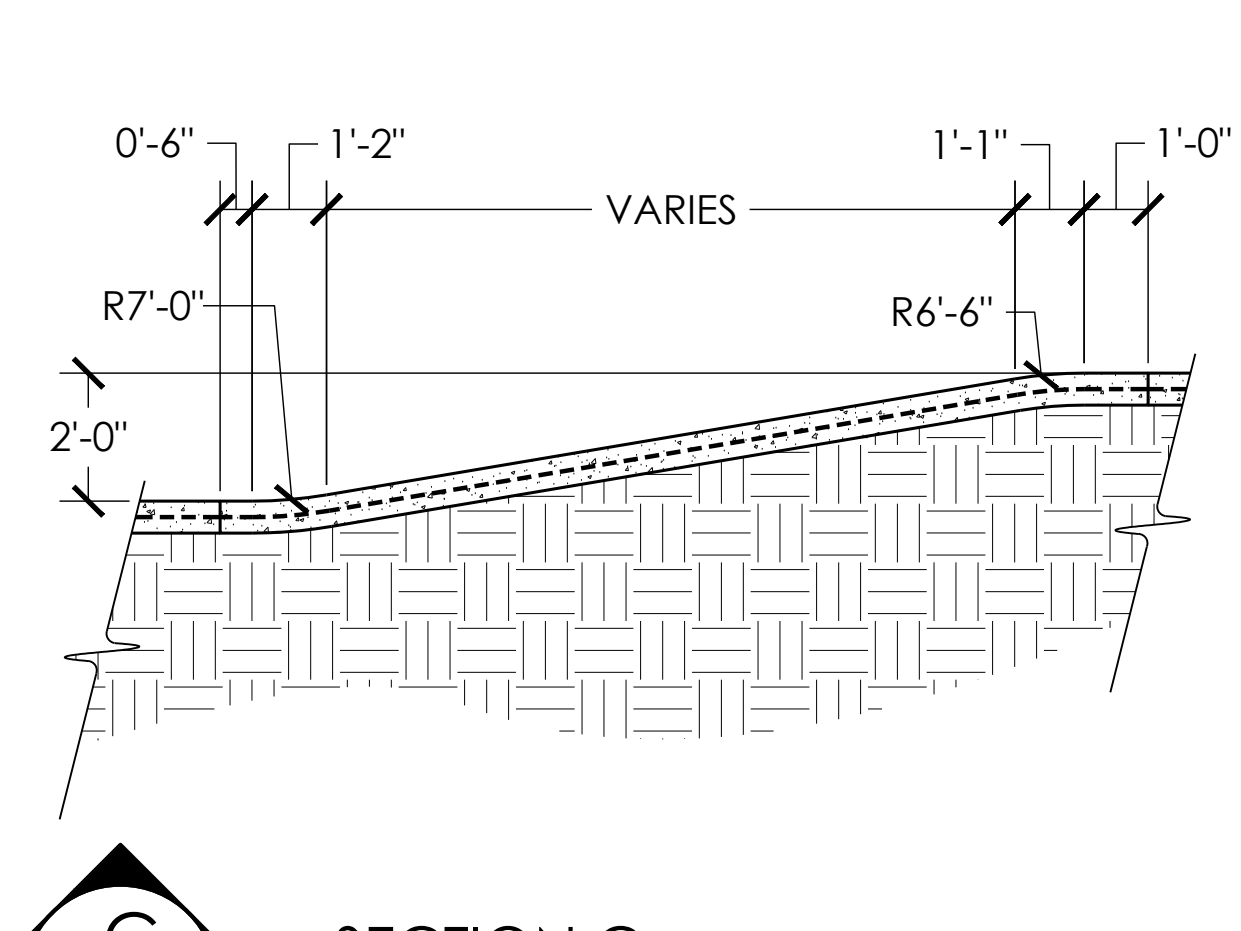
LEGEND



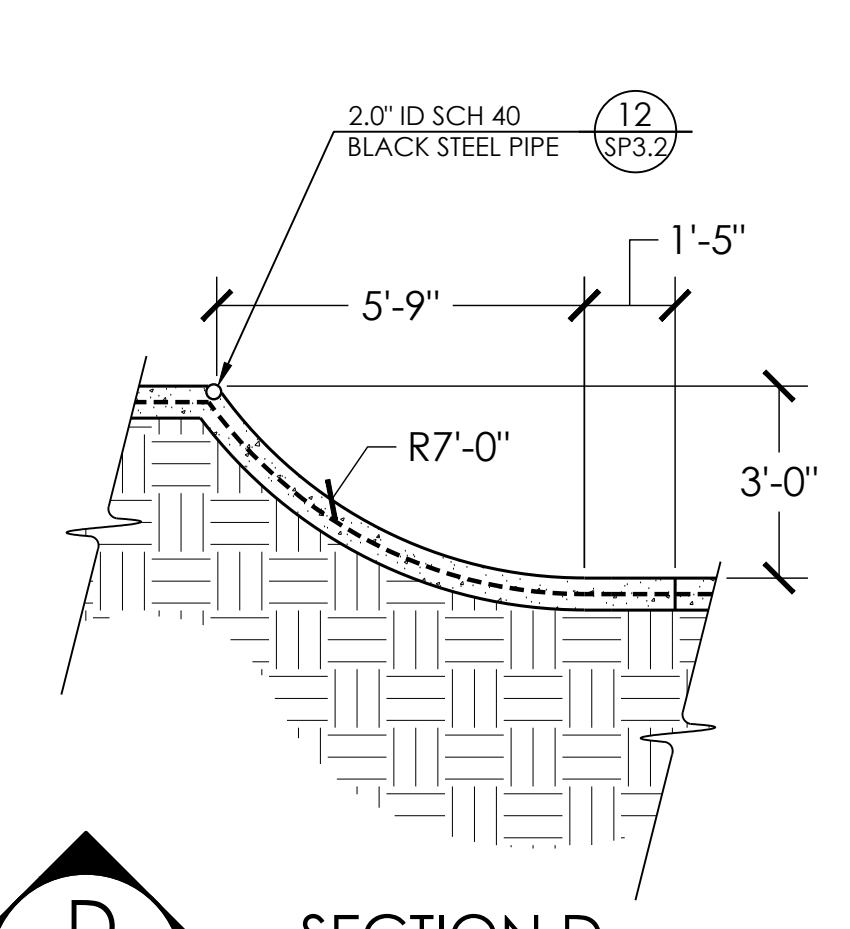
A SECTION A
SCALE: 1" = 3'



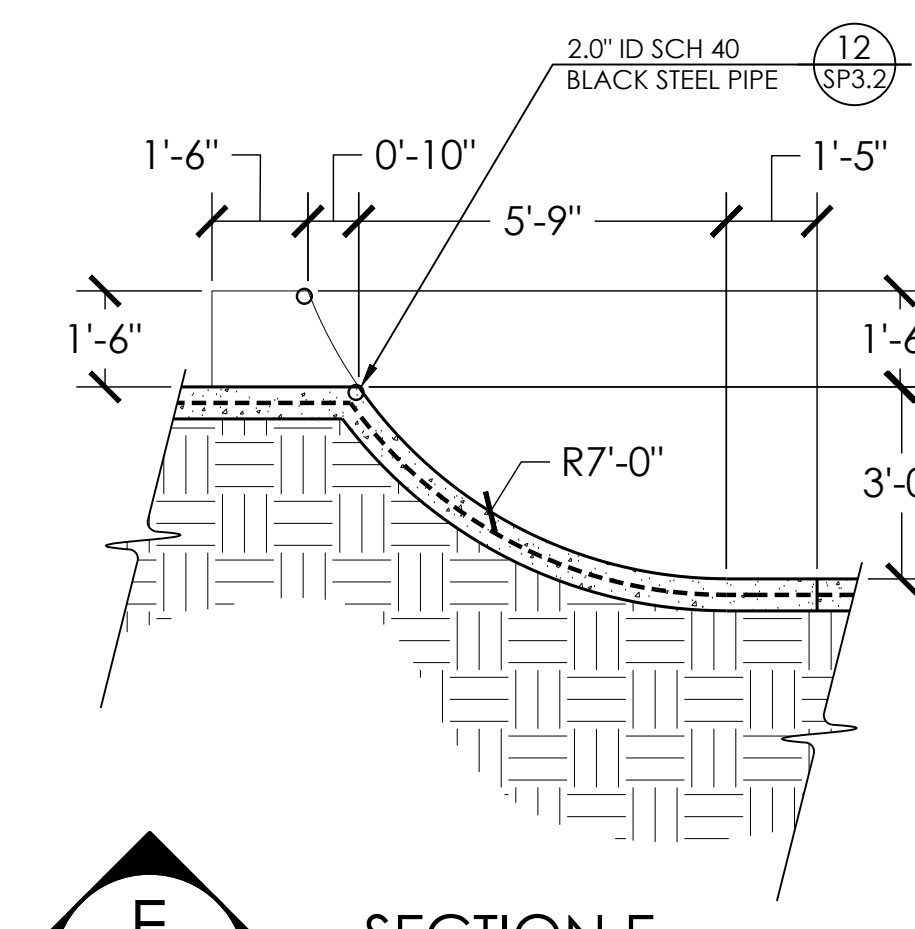
B SECTION B
SCALE: 1" = 3'



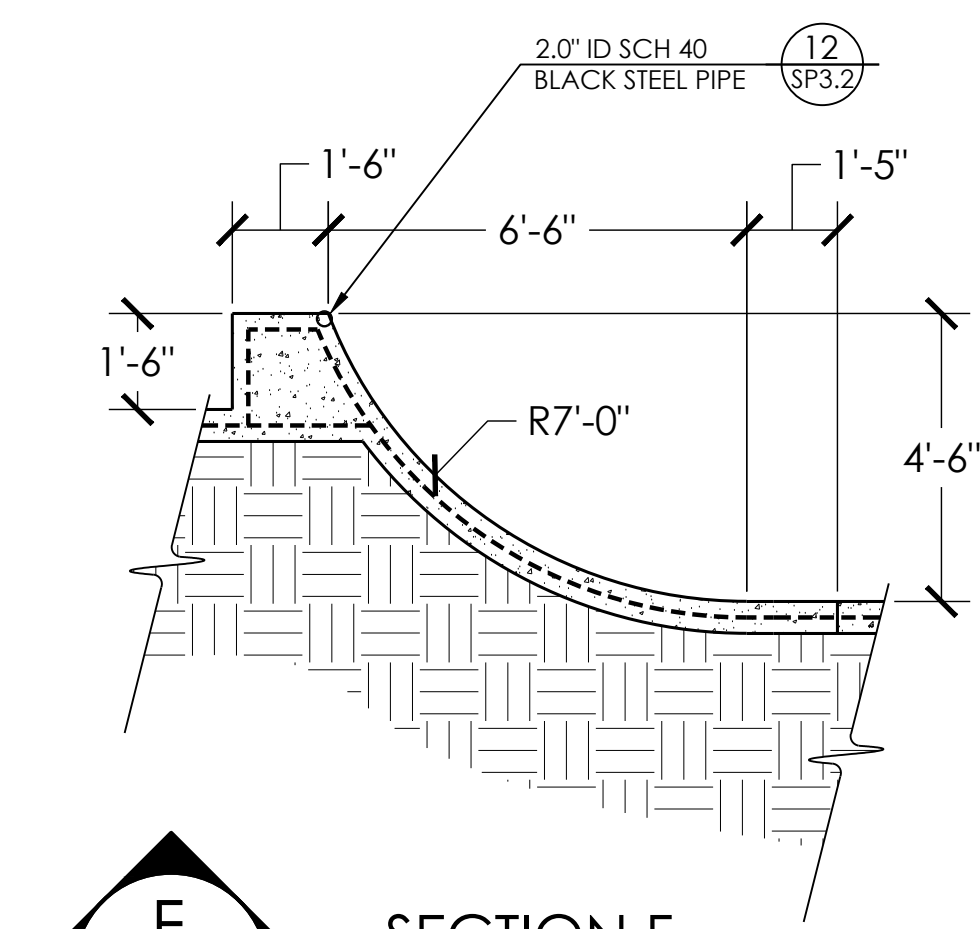
C SECTION C
SCALE: 1" = 3'



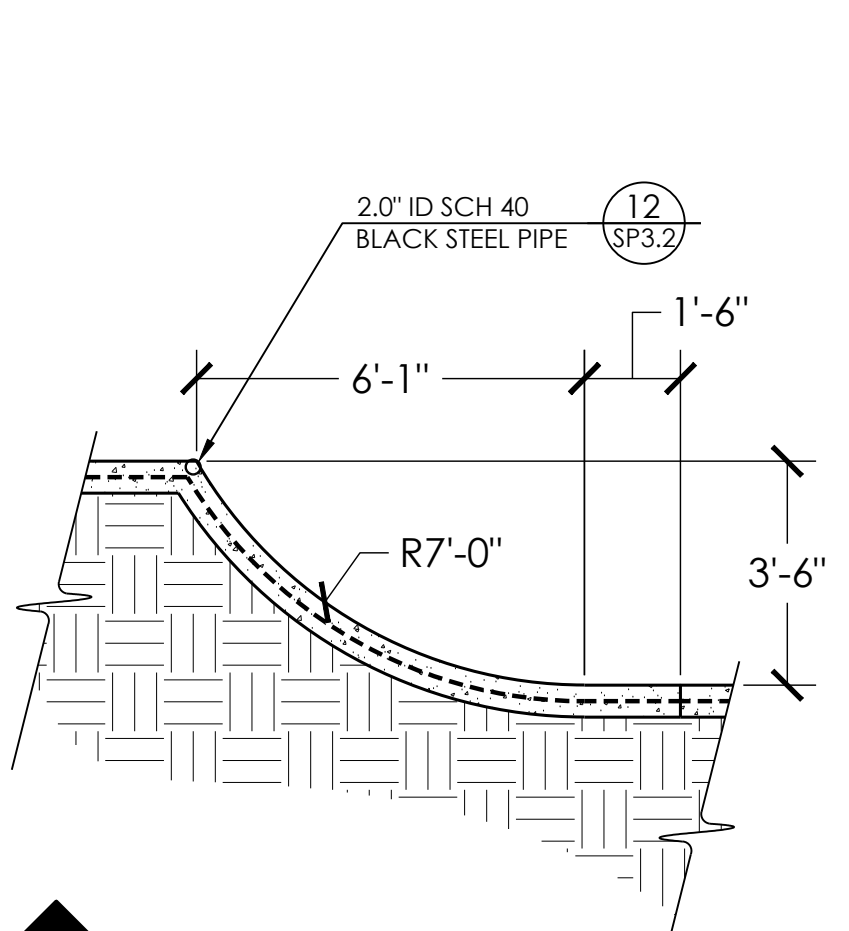
D SECTION D
SCALE: 1" = 3'



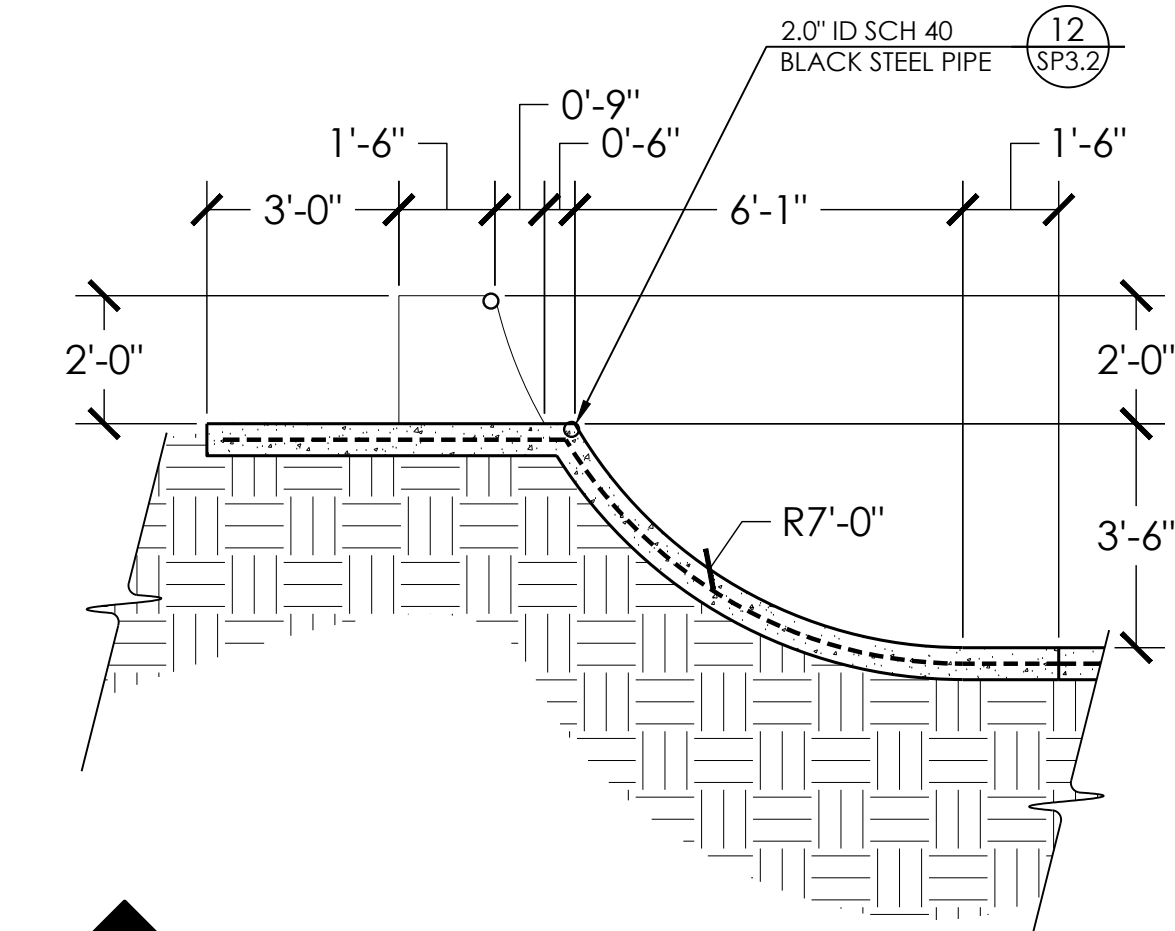
E SECTION E
SCALE: 1" = 3'



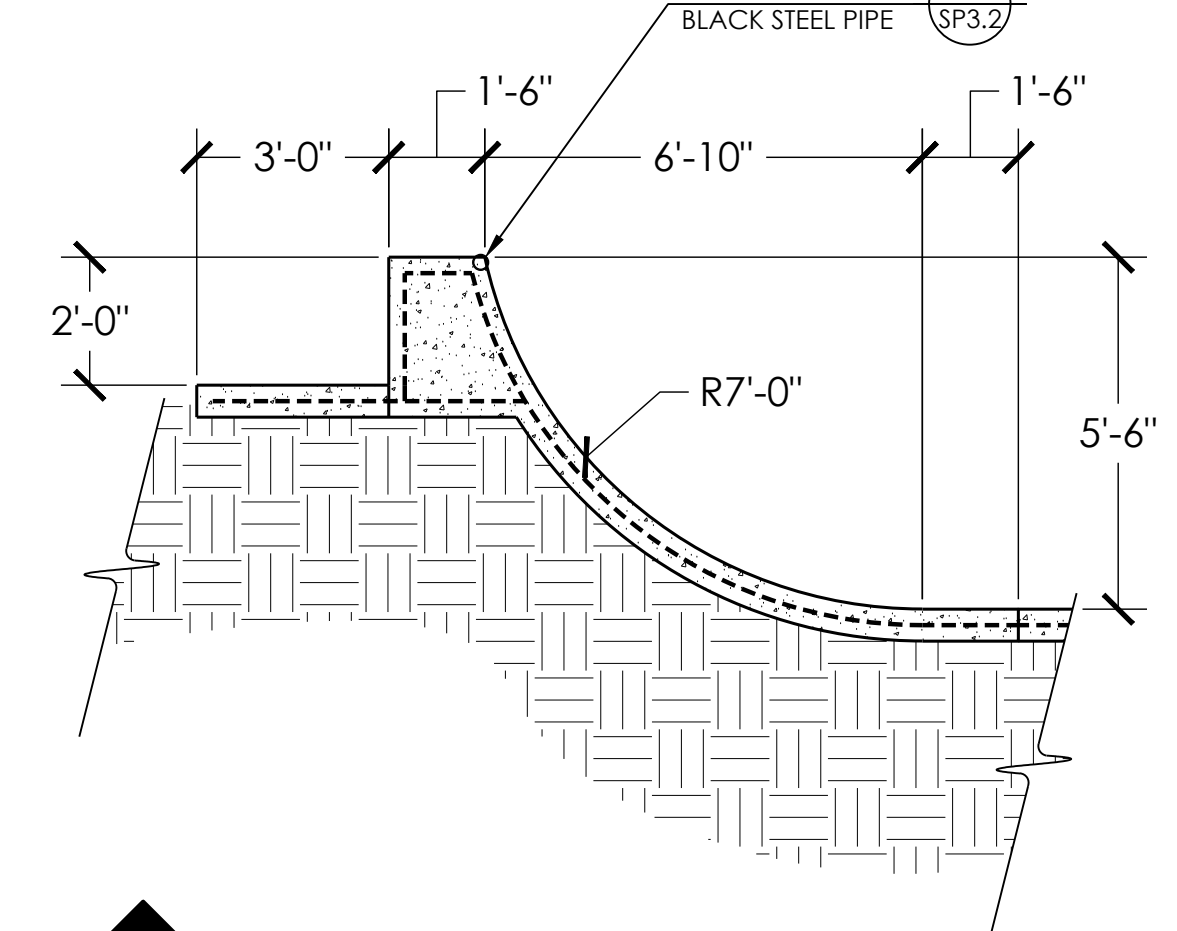
F SECTION F
SCALE: 1" = 3'



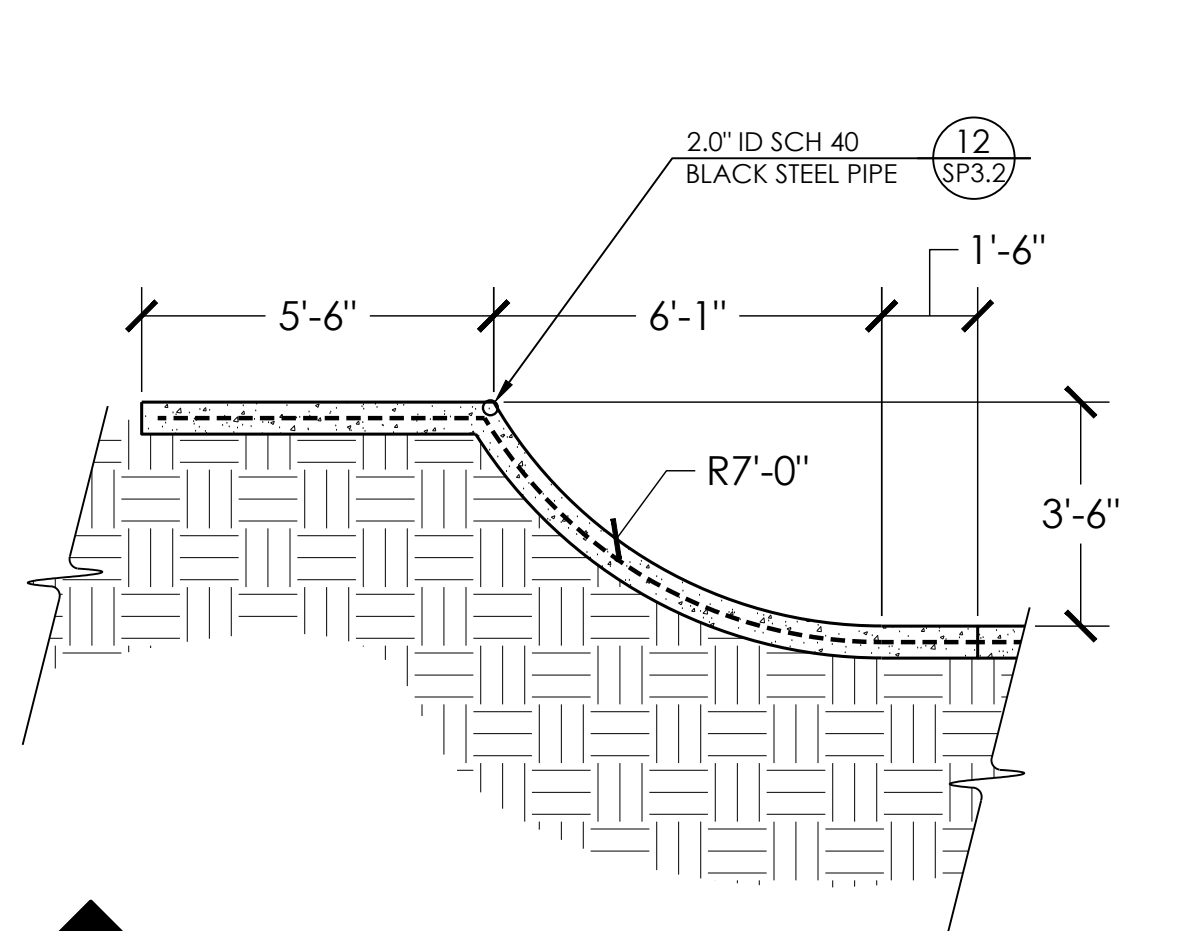
G SECTION G
SCALE: 1" = 3'



H SECTION H
SCALE: 1" = 3'



I SECTION I
SCALE: 1" = 3'



J SECTION J
SCALE: 1" = 3'



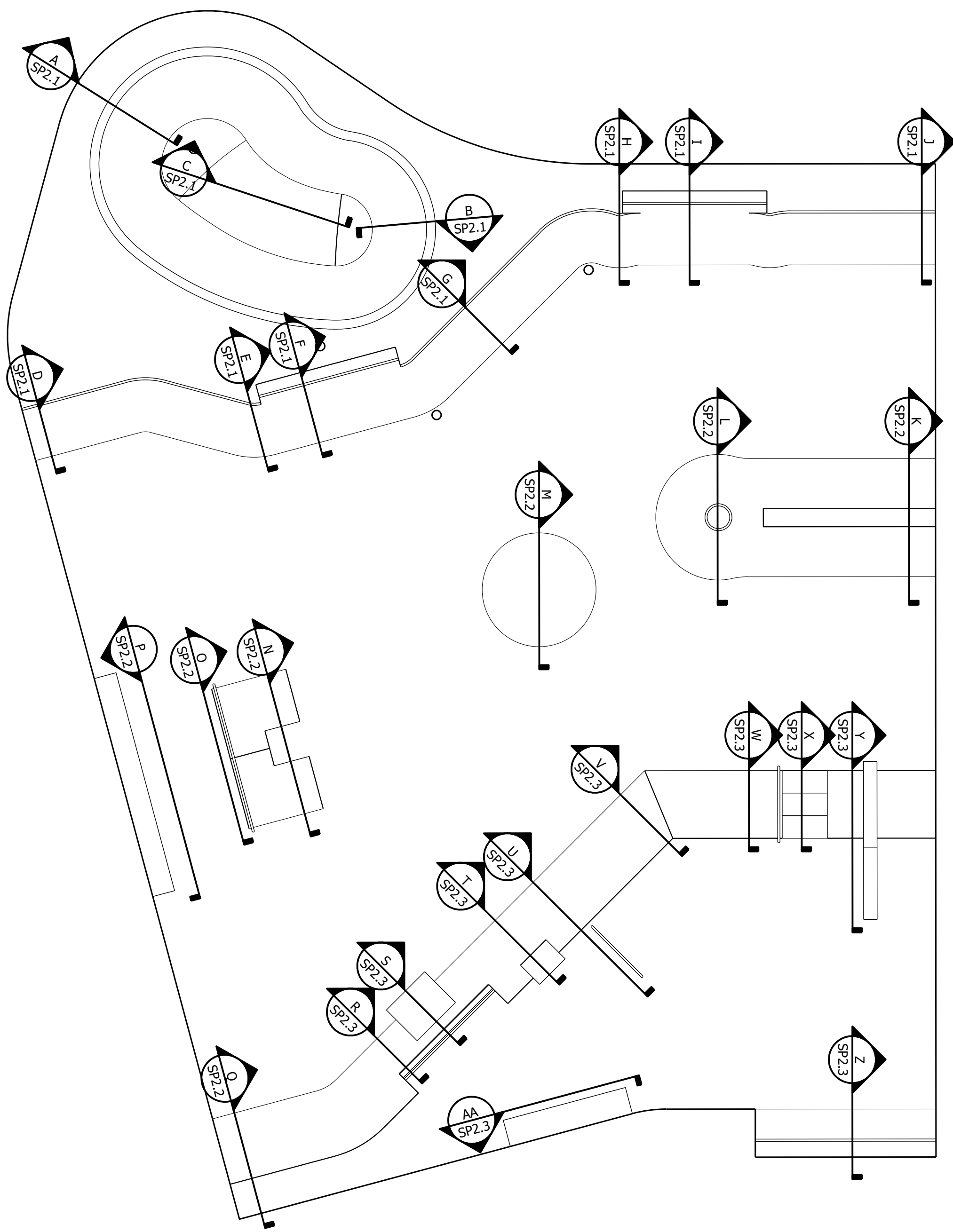
GROUNDLINE
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4619 14th Ave SW
Seattle WA 98106
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SCALE: 1" = 3'

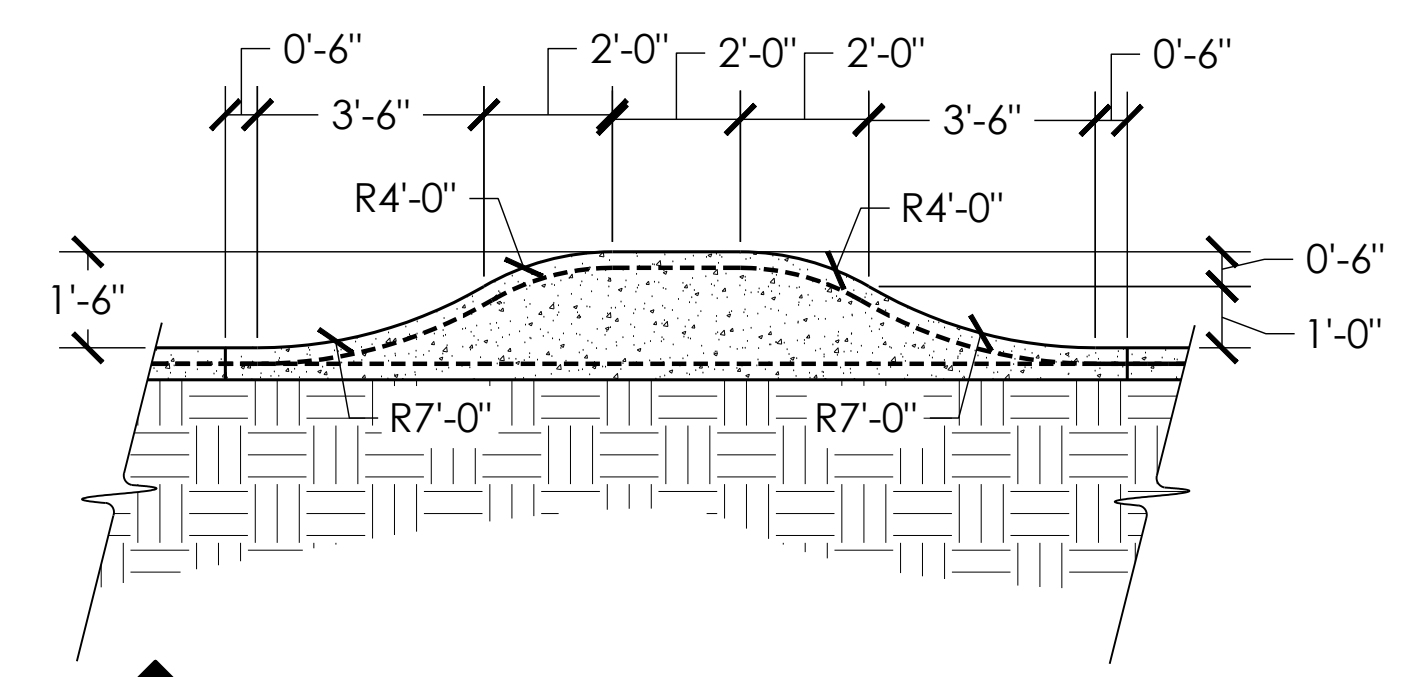
SECTIONS AND KEY
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OH

SHEET: SP2.1
DATE: 11.15.19
DRAWN BY: BAJ
CHECKED BY: MBF

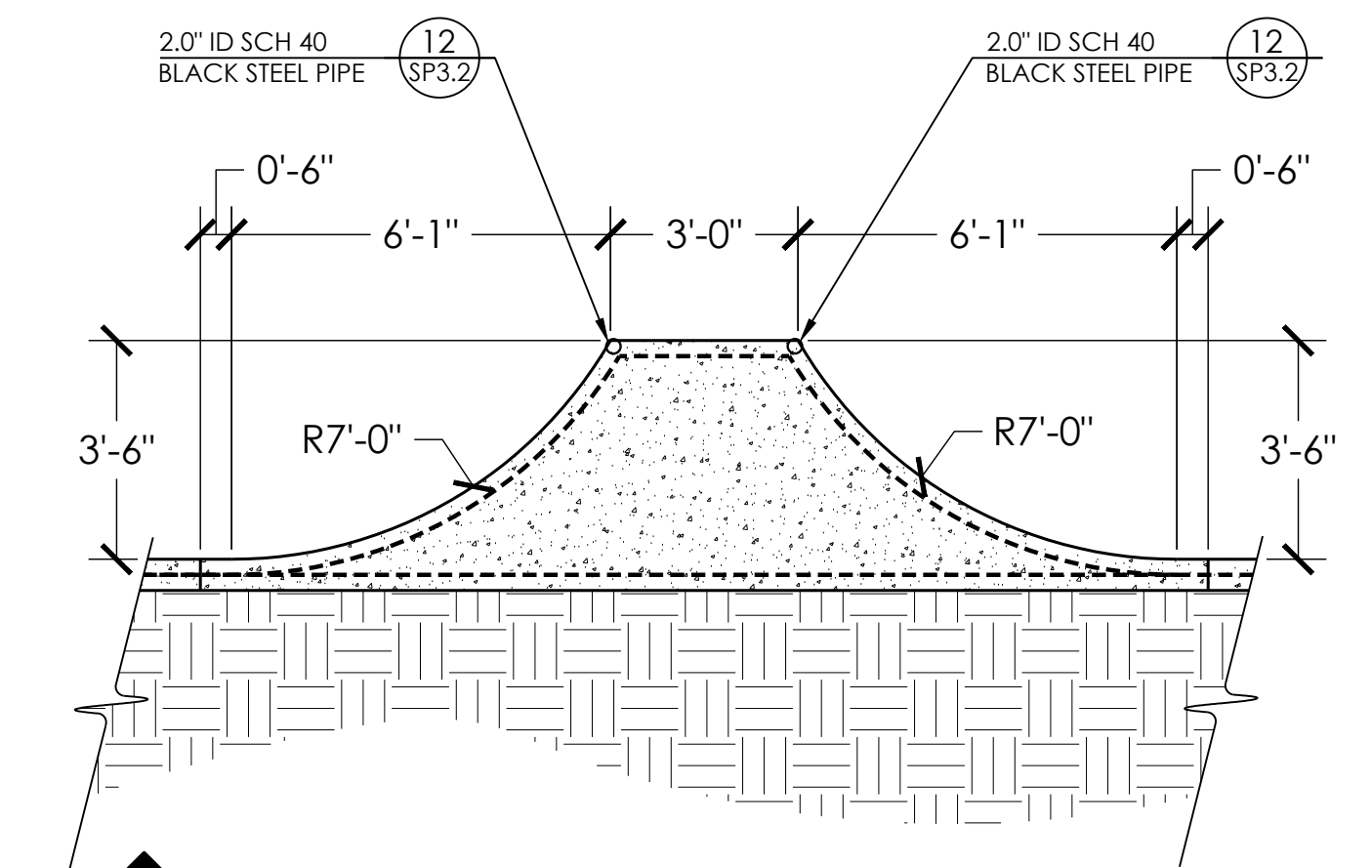
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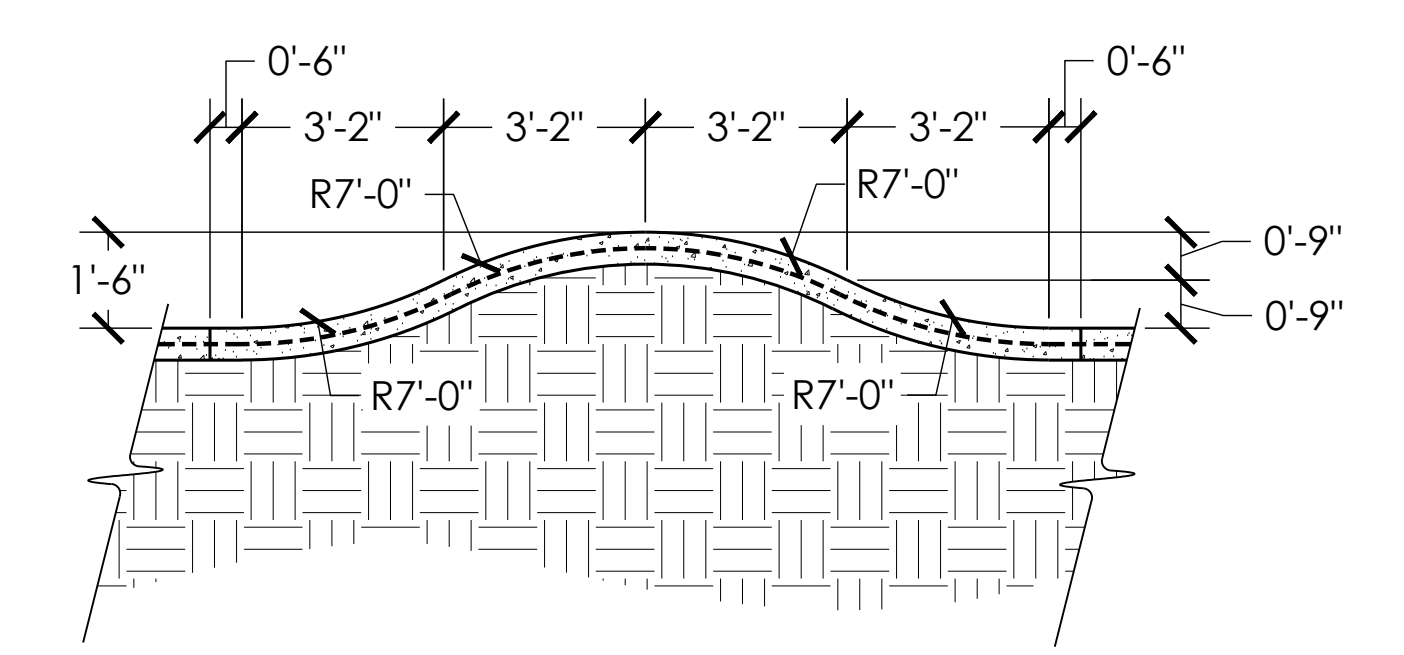
LEGEND



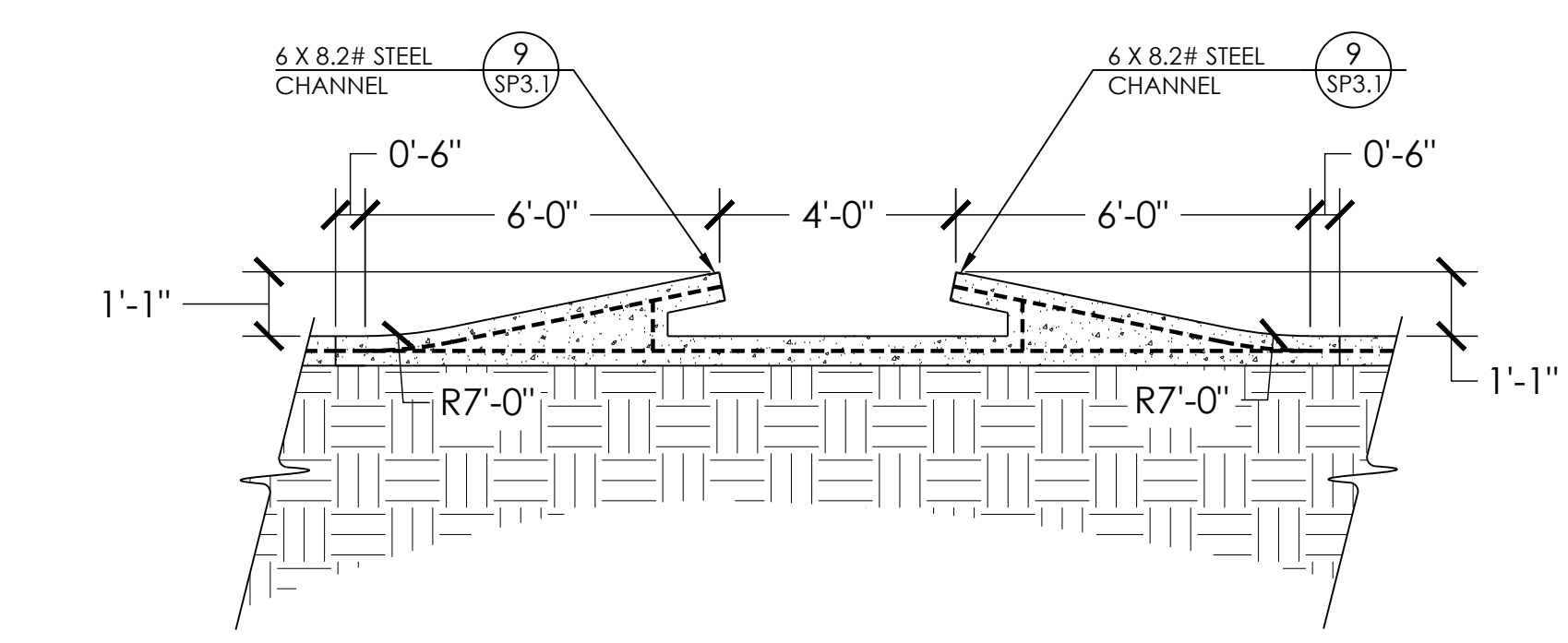
K SECTION K
SP2.2 SCALE: 1" = 3'



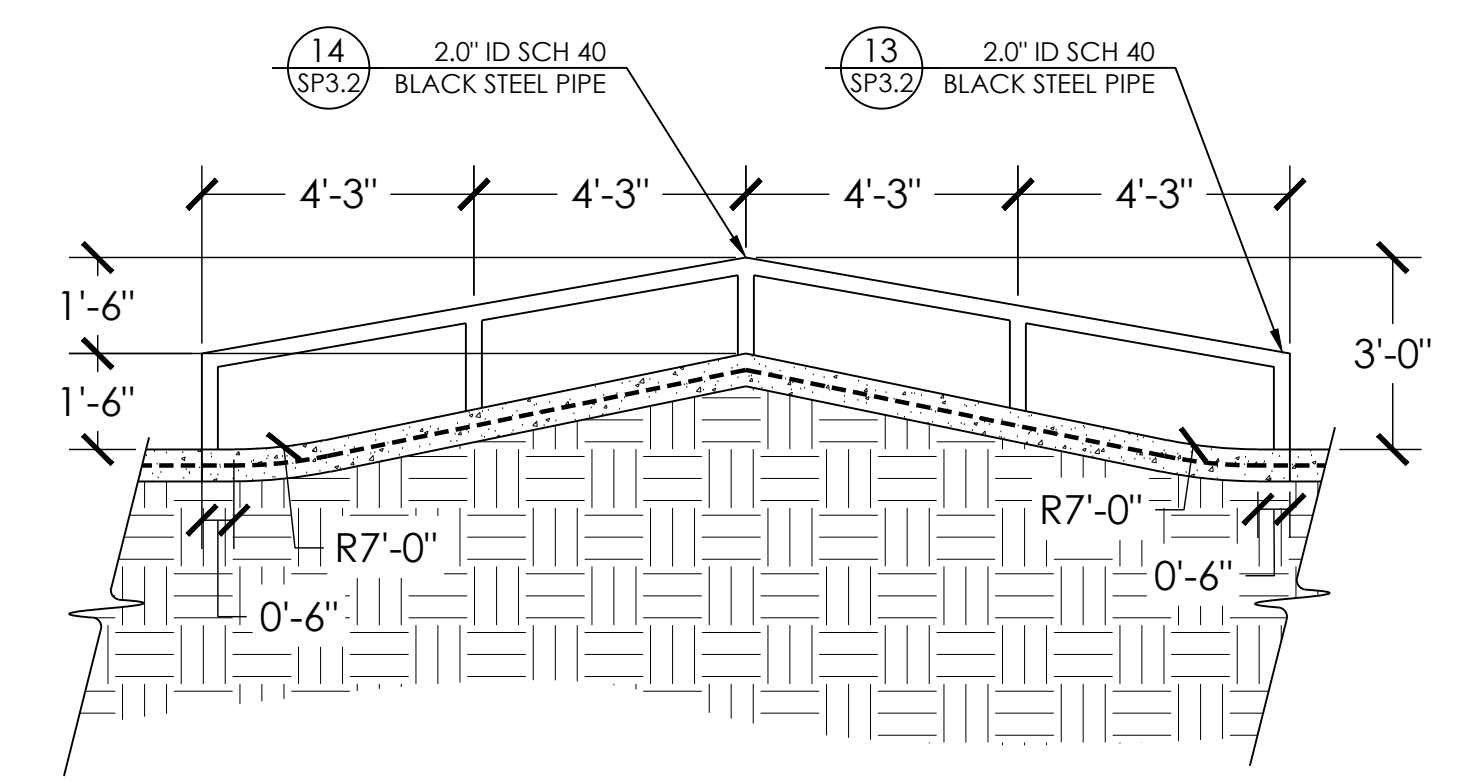
L SECTION L
SP2.2 SCALE: 1" = 3'



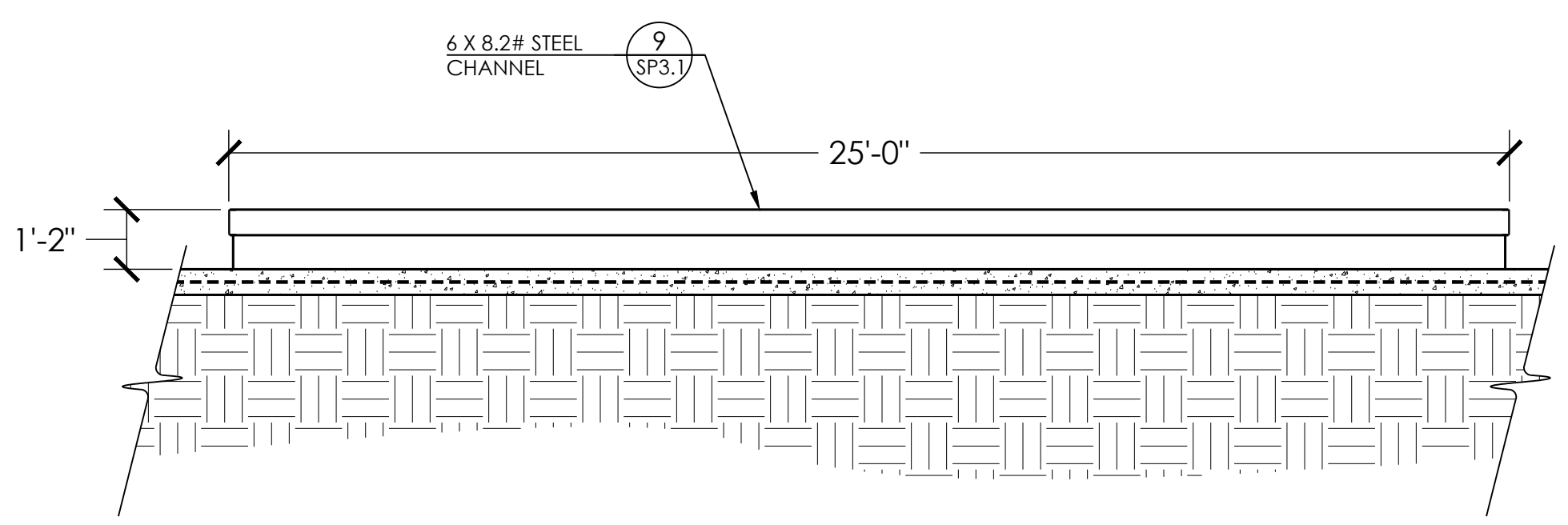
M SECTION M
SP2.2 SCALE: 1" = 3'



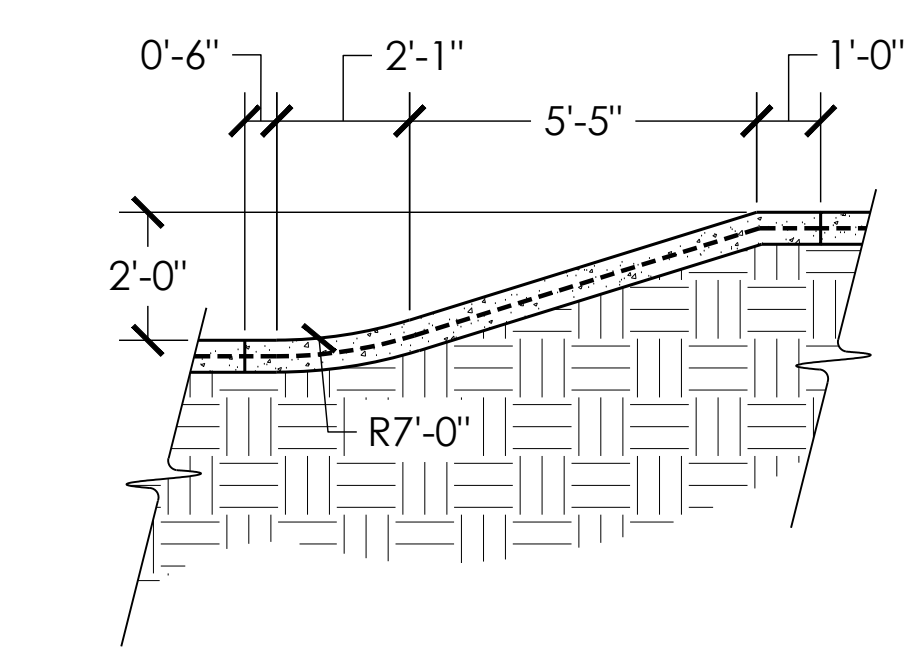
N SECTION N
SP2.2 SCALE: 1" = 3'



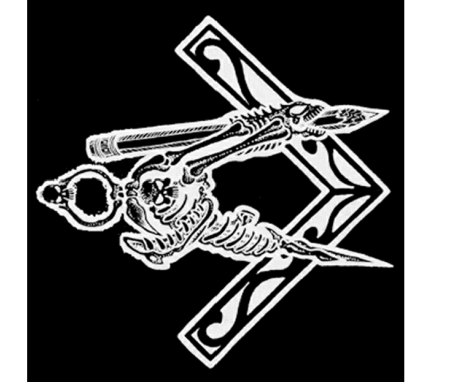
O SECTION O
SP2.2 SCALE: 1" = 3'



P SECTION P
SP2.2 SCALE: 1" = 3'



Q SECTION Q
SP2.2 SCALE: 1" = 3'



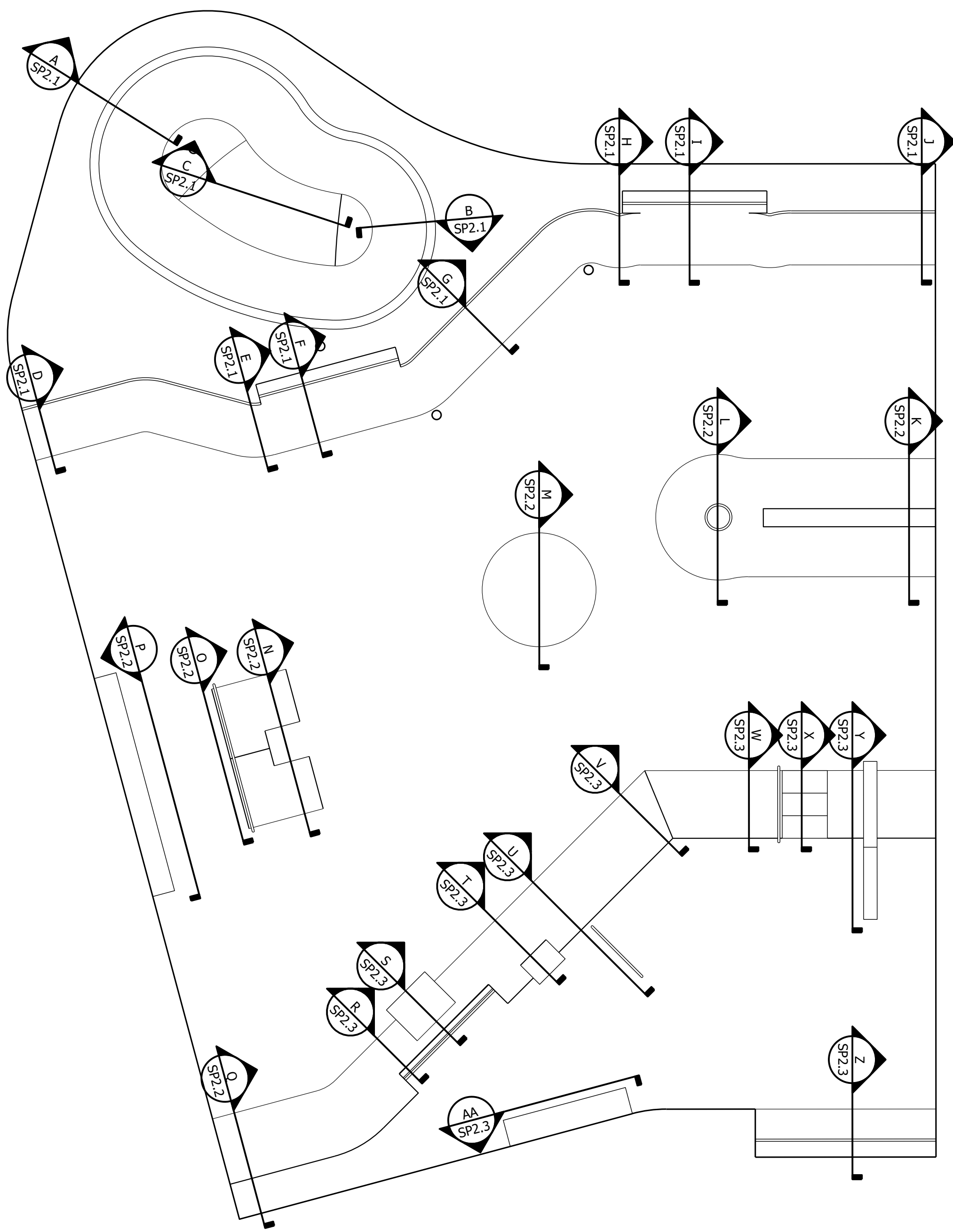
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SCALE: 1" = 3'

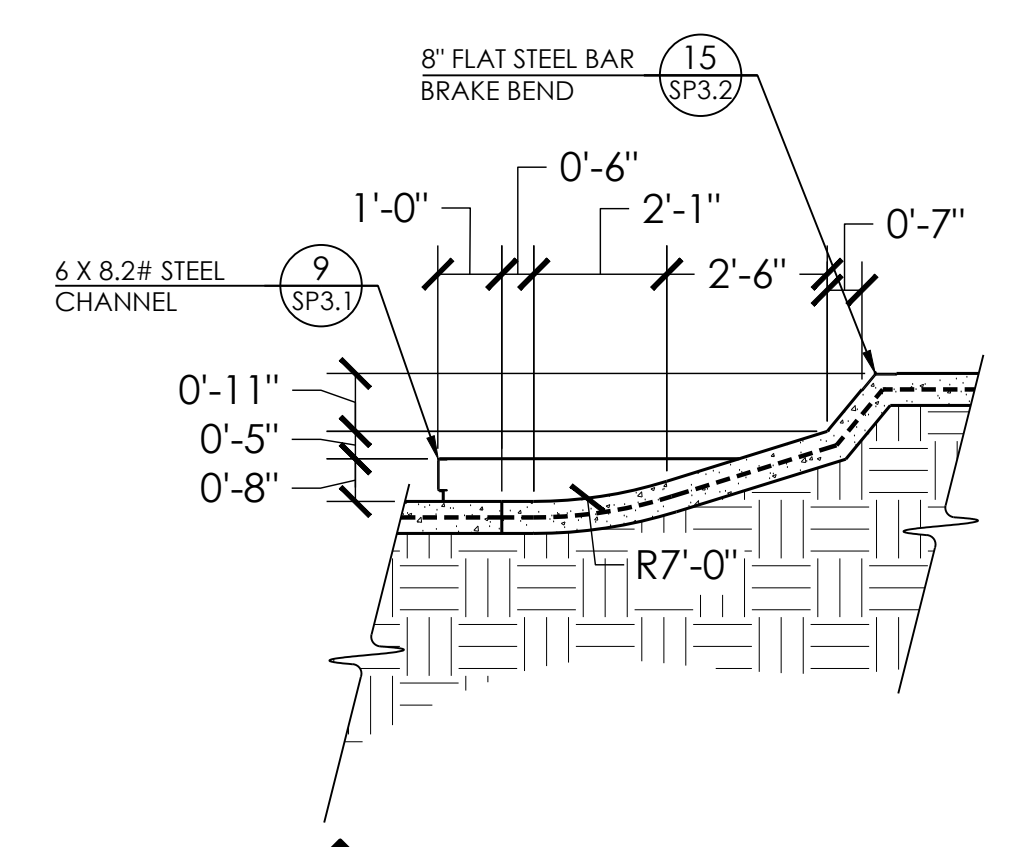
SECTIONS AND KEY
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OH

SHEET:
SP2.2
DATE: 11.15.19
DRAWN BY: BAJ
CHECKED BY: MBF

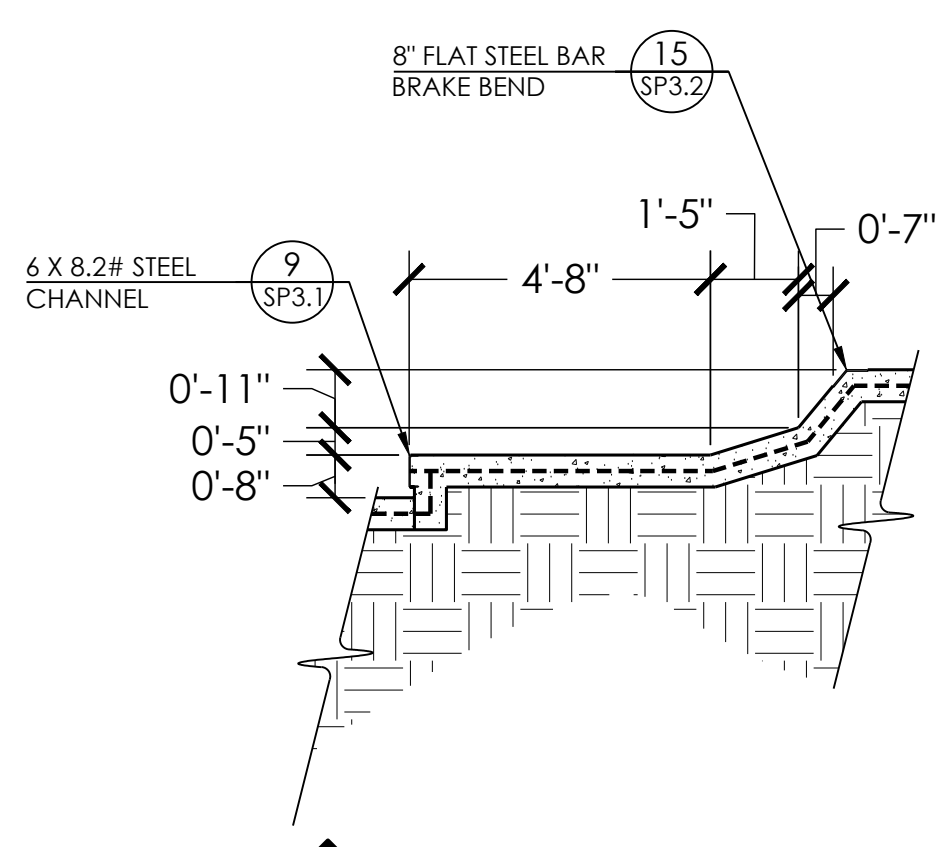
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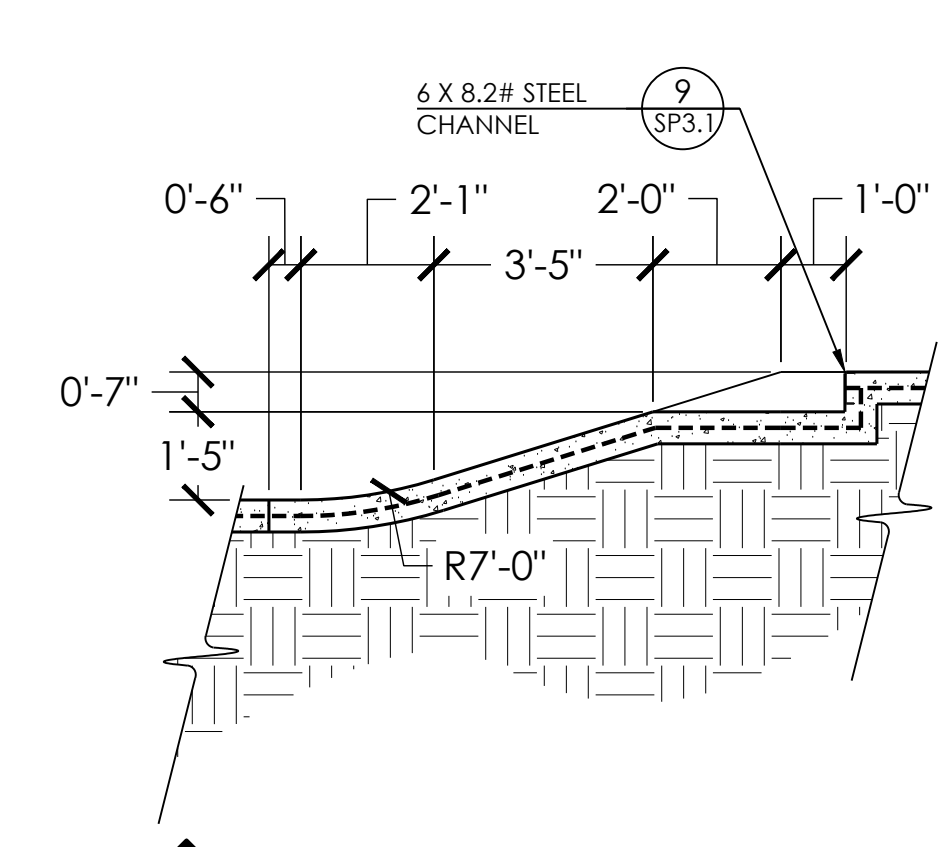
LEGEND



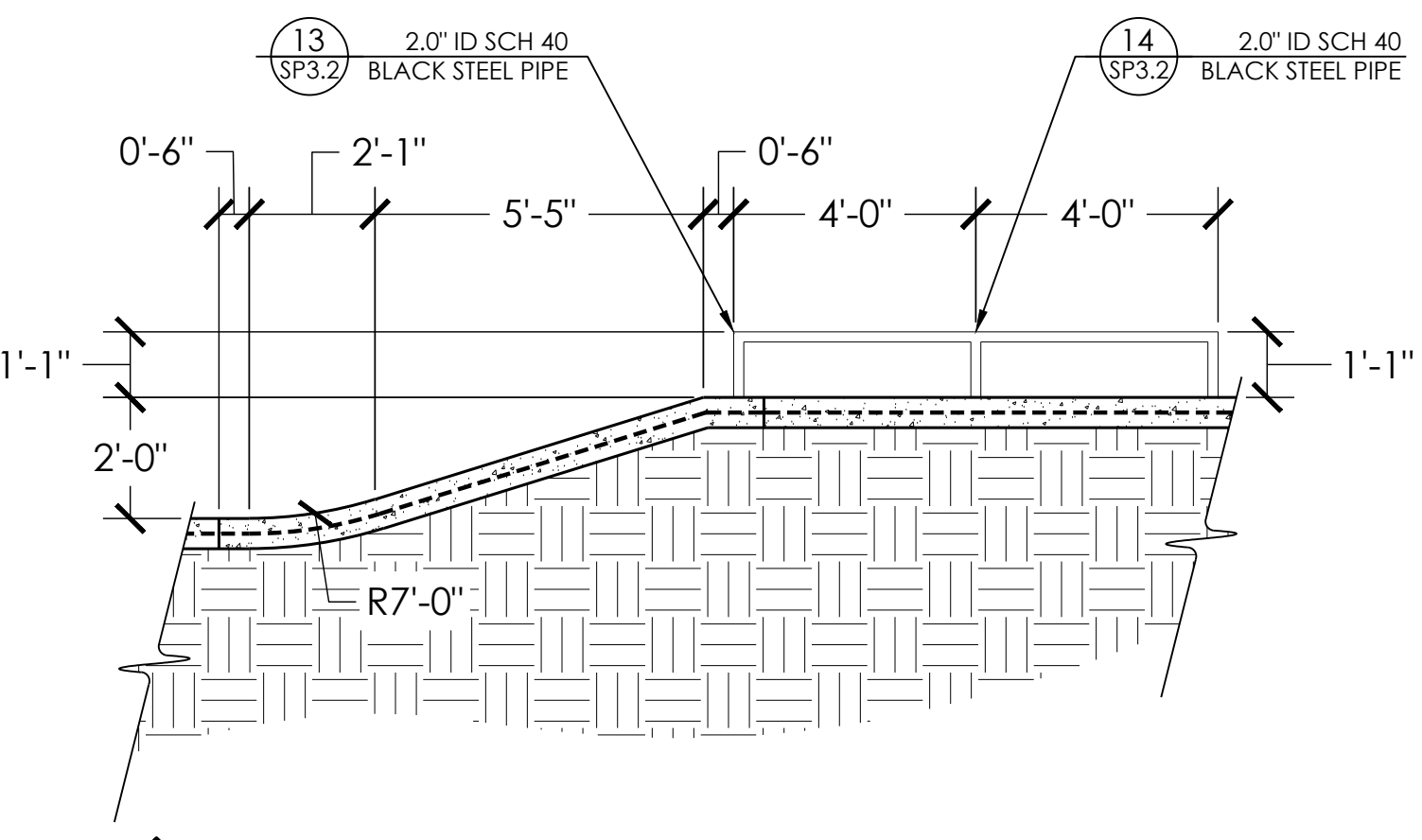
R
SP2.3 SECTION R
SCALE: 1" = 3'



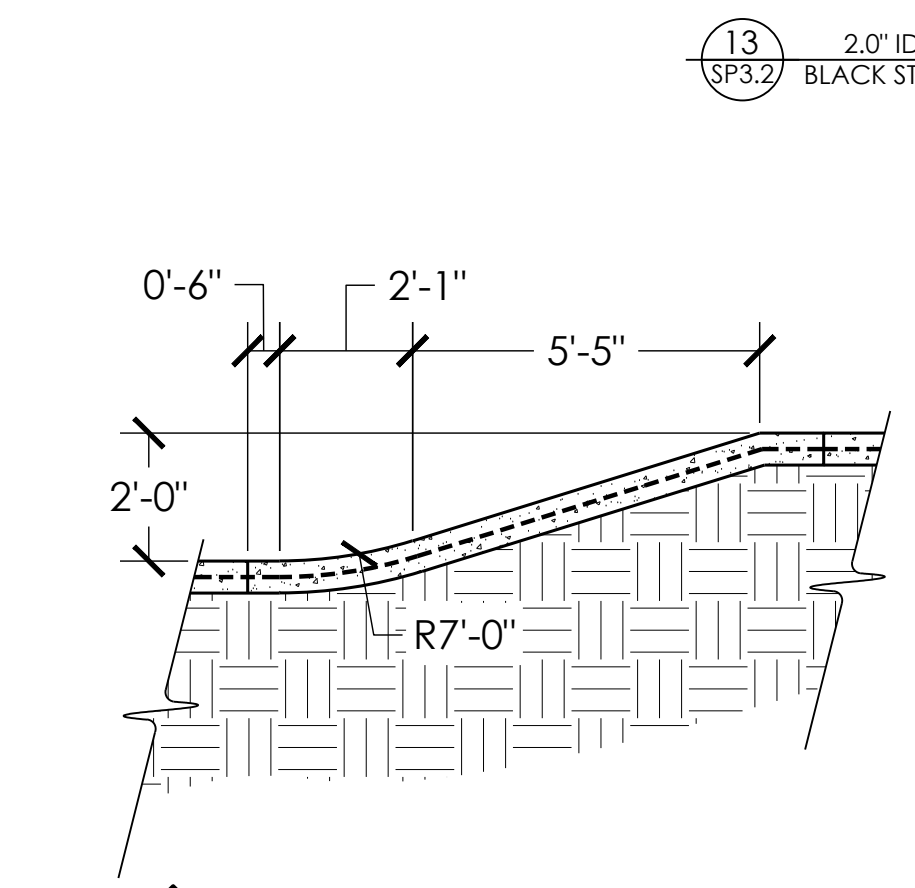
S
SP2.3 SECTION S
SCALE: 1" = 3'



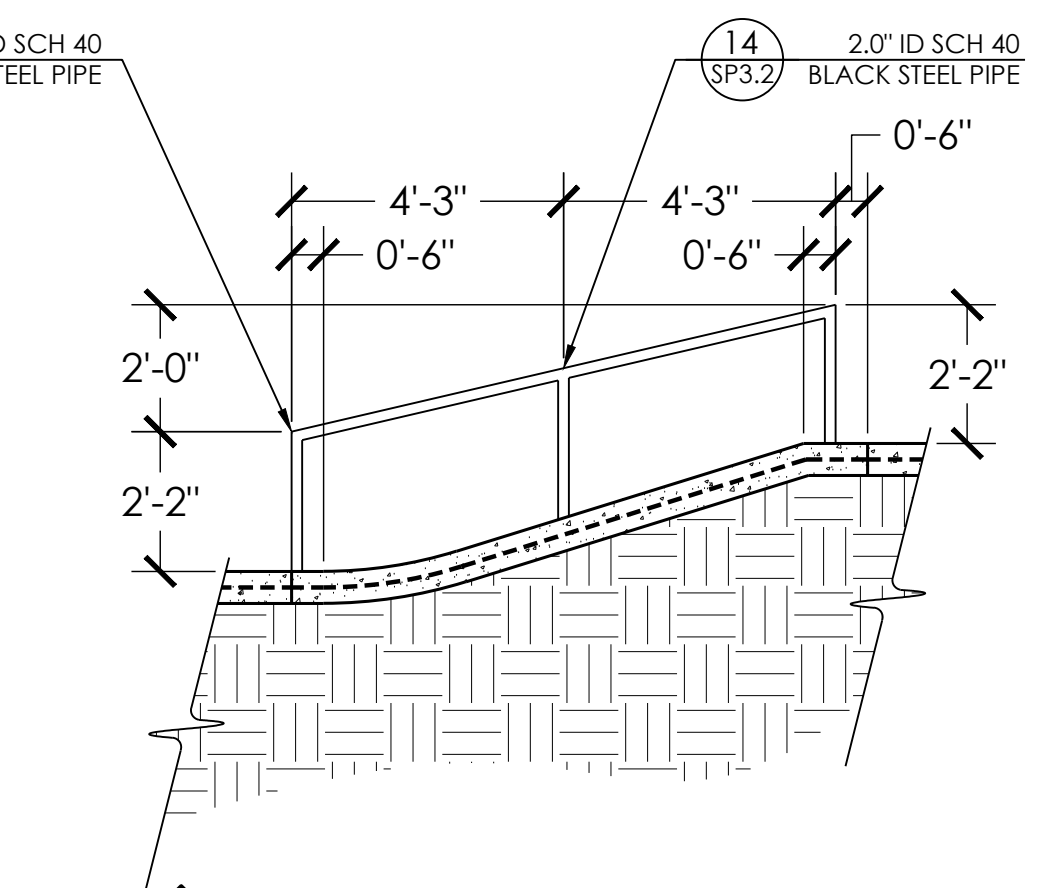
T
SP2.3 SECTION T
SCALE: 1" = 3'



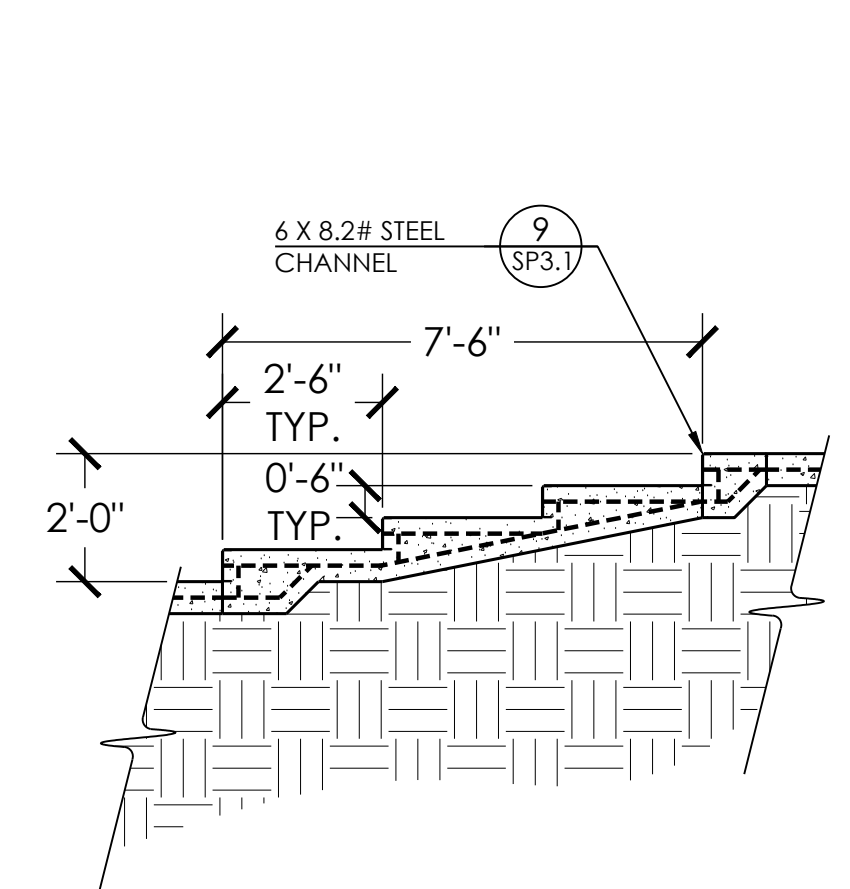
U
SP2.3 SECTION U
SCALE: 1" = 3'



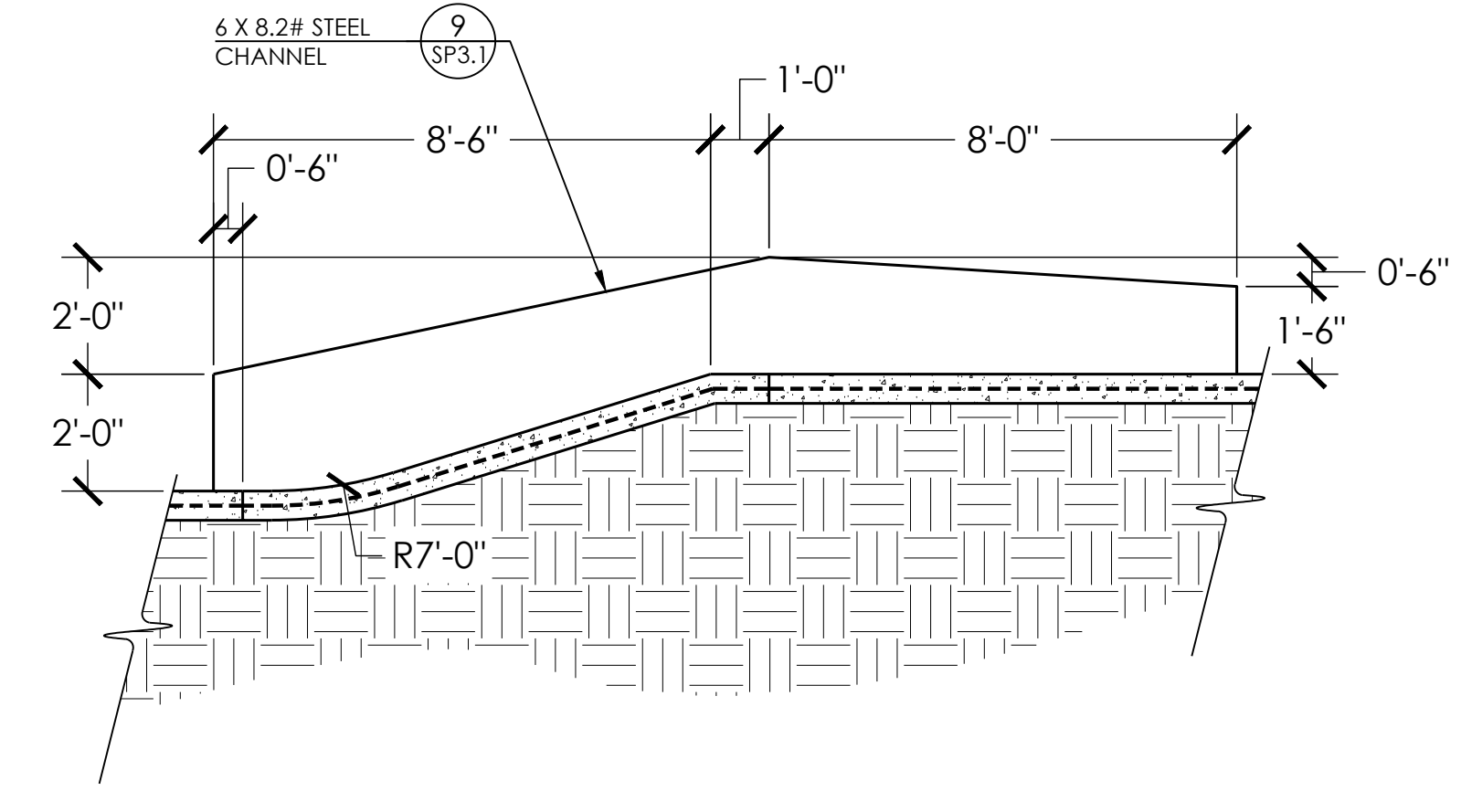
V
SP2.3 SECTION V
SCALE: 1" = 3'



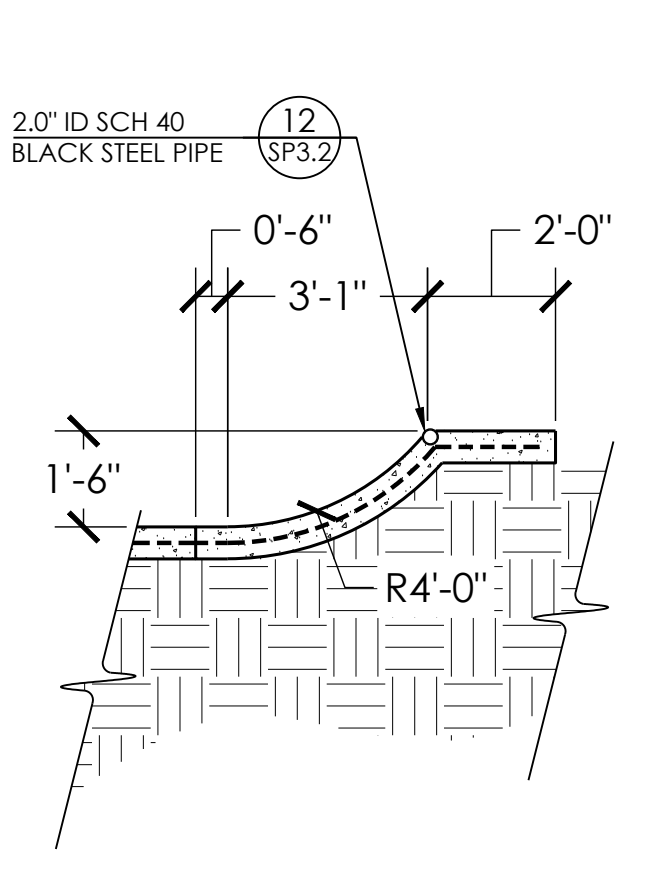
W
SP2.3 SECTION W
SCALE: 1" = 3'



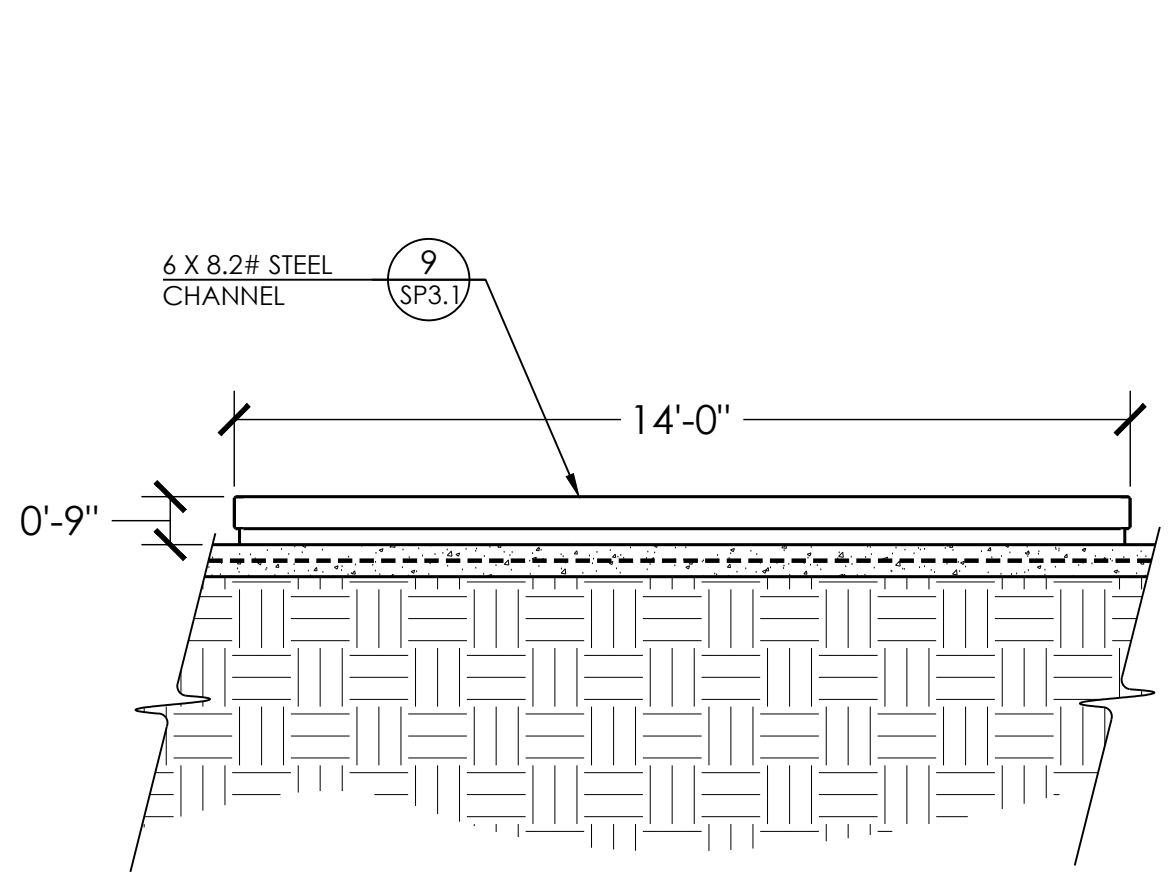
X
SP2.3 SECTION X
SCALE: 1" = 3'



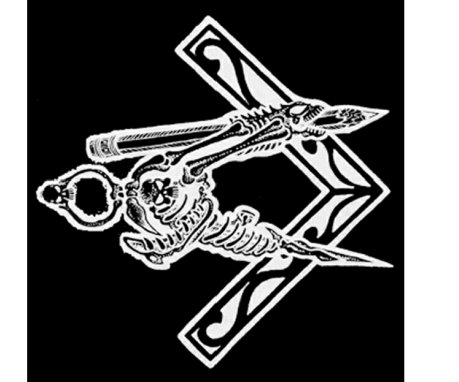
Y
SP2.3 SECTION Y
SCALE: 1" = 3'



Z
SP2.3 SECTION Z
SCALE: 1" = 3'



AA
SP2.4 SECTION AA
SCALE: 1" = 3'



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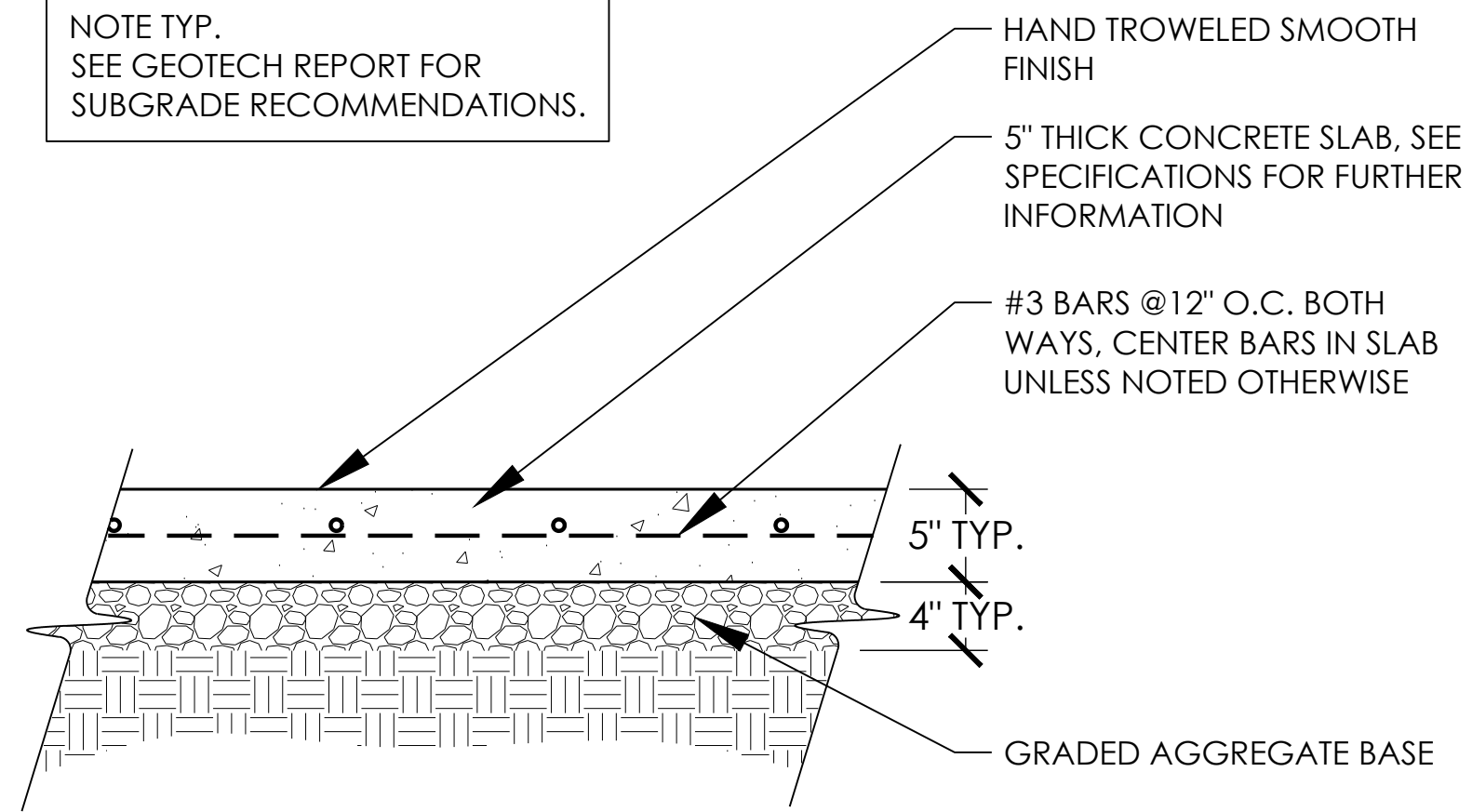
SCALE: 1" = 3'

SECTIONS AND KEY
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OH

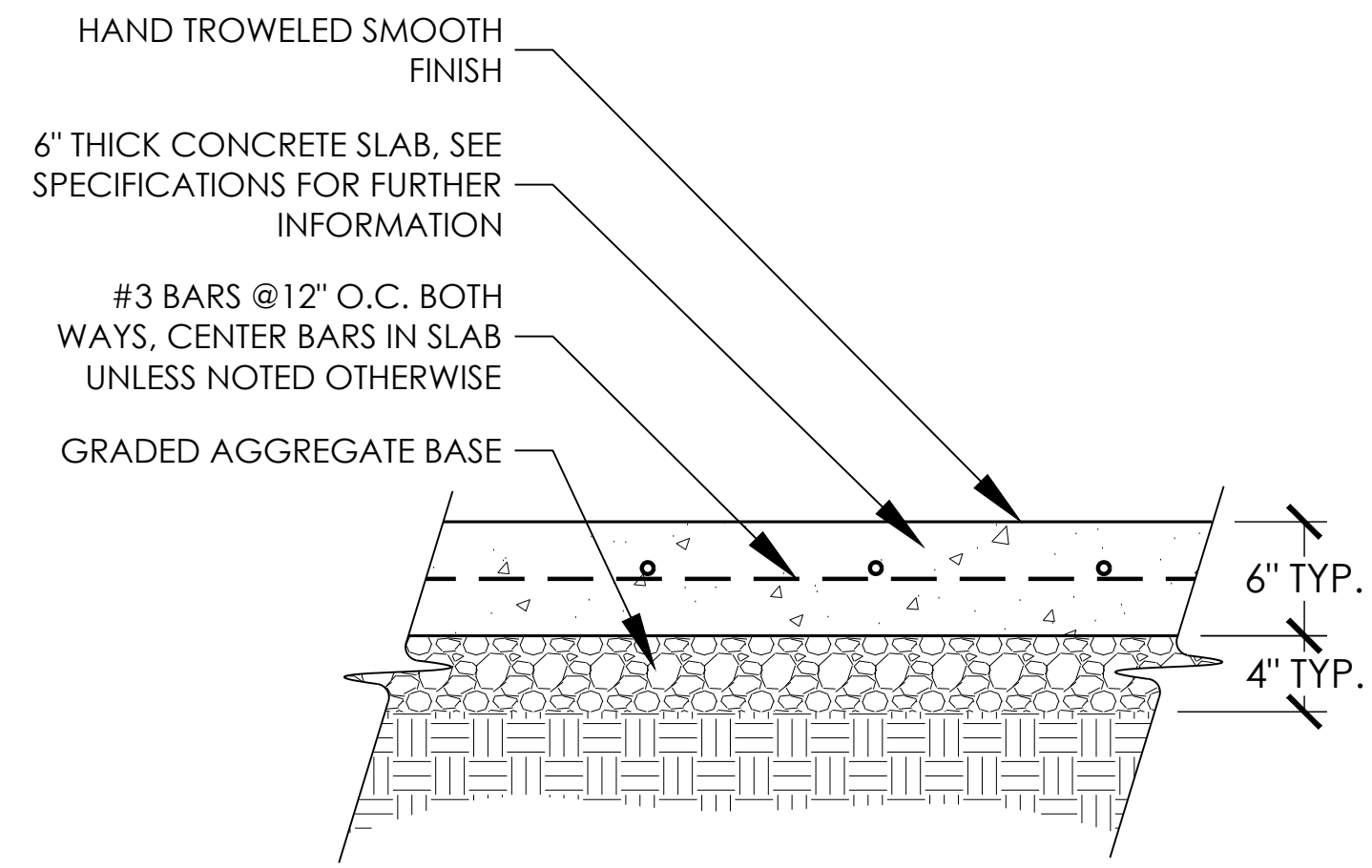
SHEET:
SP2.3
DATE: 11.15.19
DRAWN BY: BAJ
CHECKED BY: MBF

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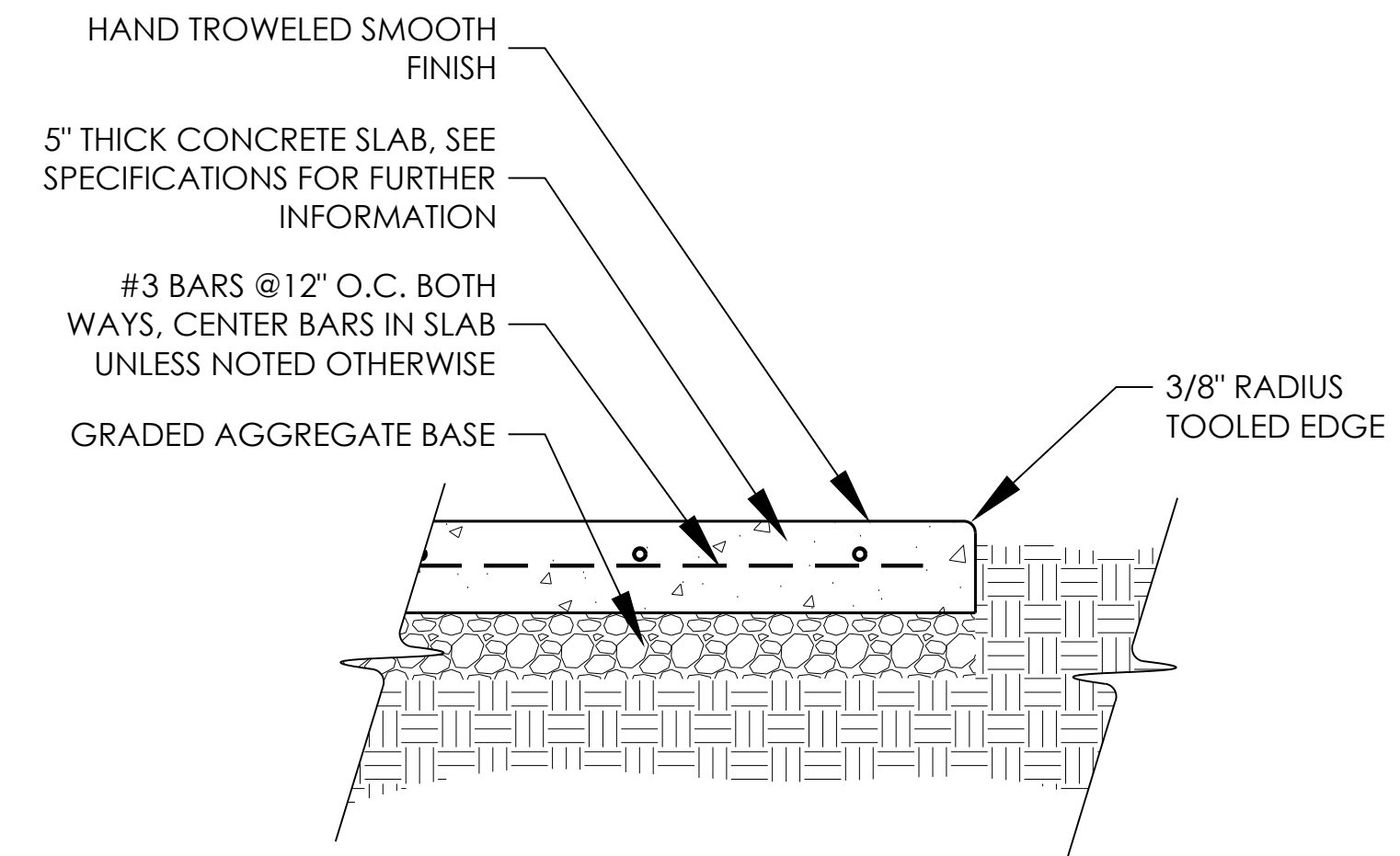
NOTE TYP.
SEE GEOTECH REPORT FOR
SUBGRADE RECOMMENDATIONS.



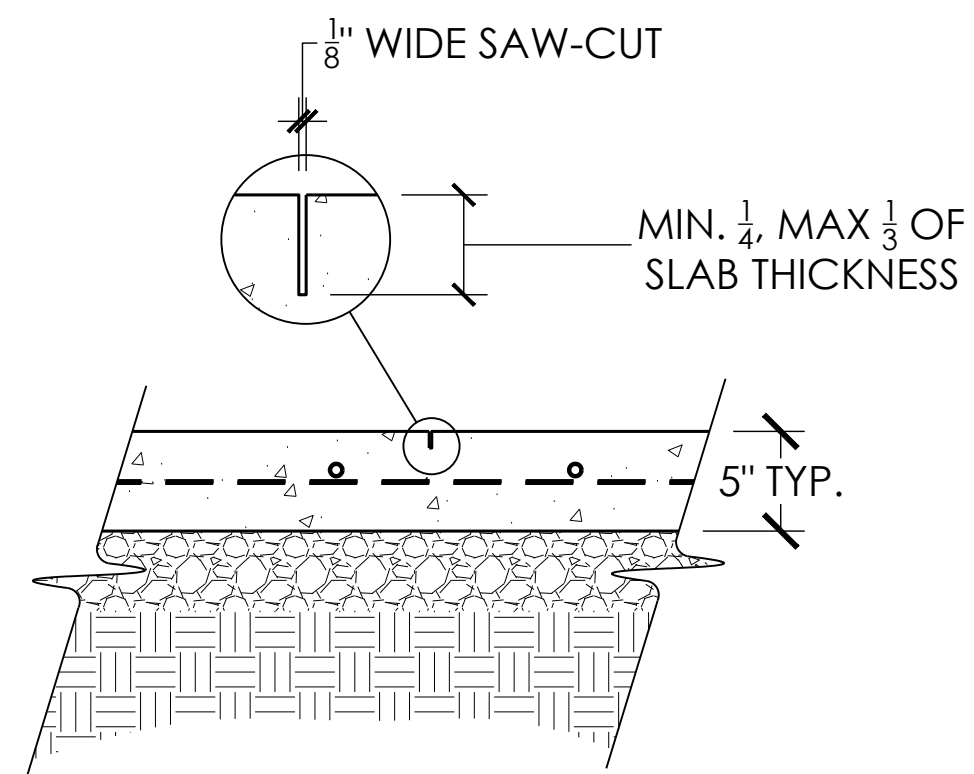
1
SP3.1 CONCRETE SURFACING
NTS



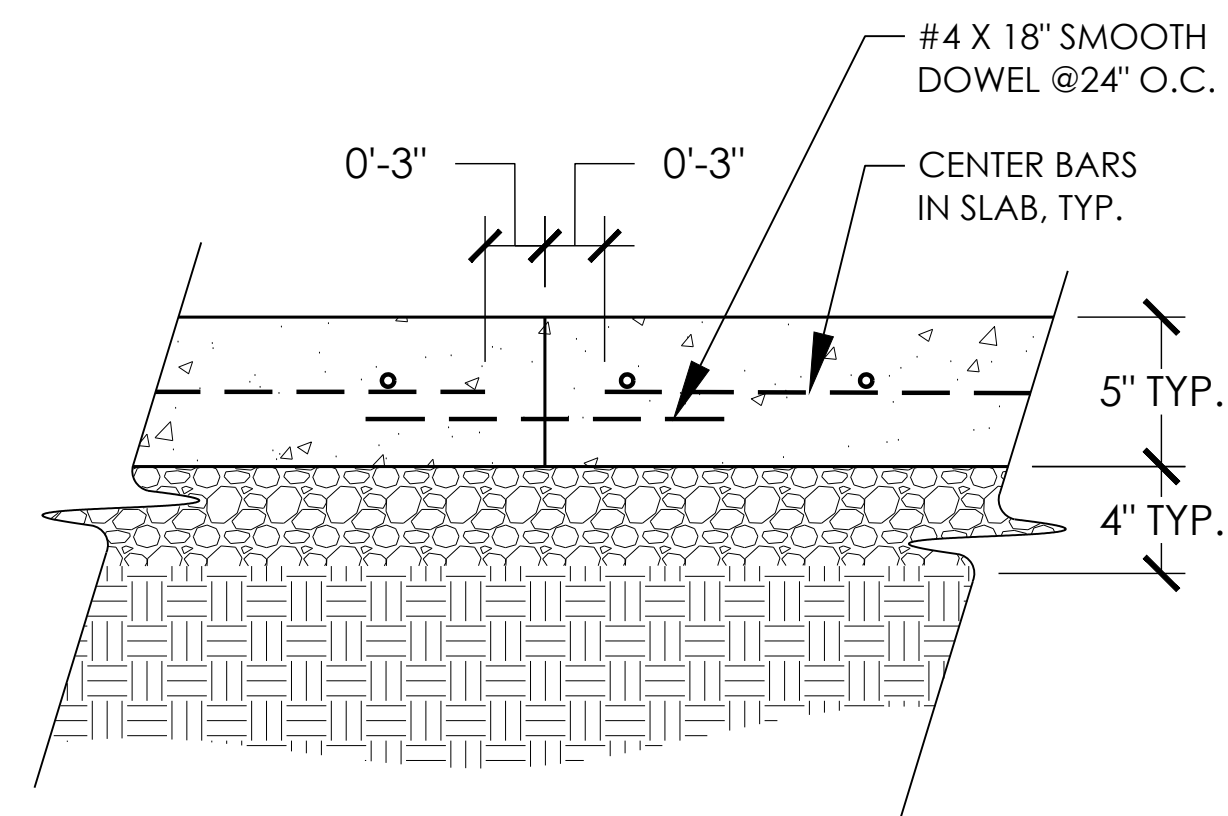
2
SP3.1 SHOTCRETE SURFACING
NTS



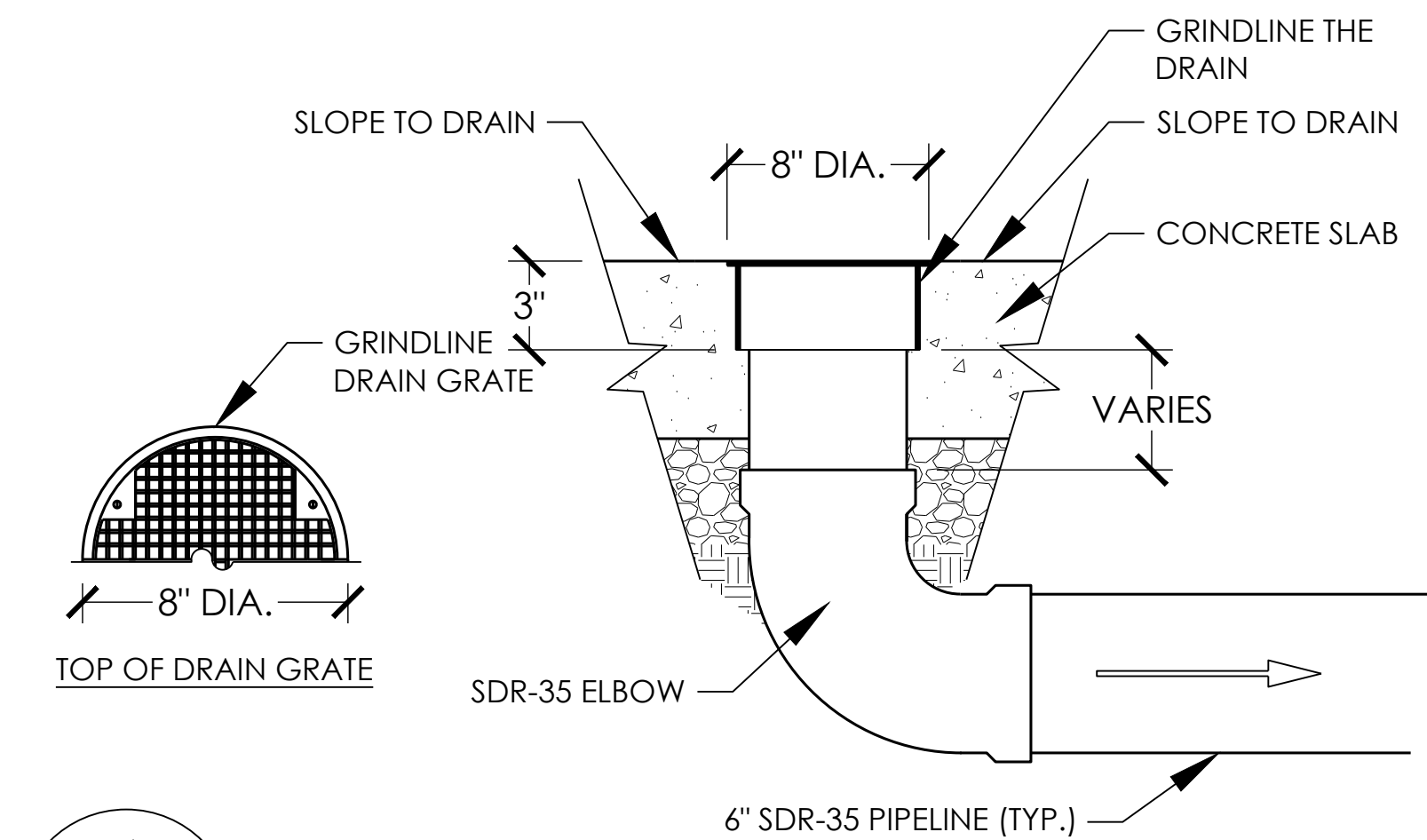
3
SP3.1 CONCRETE EDGE
NTS



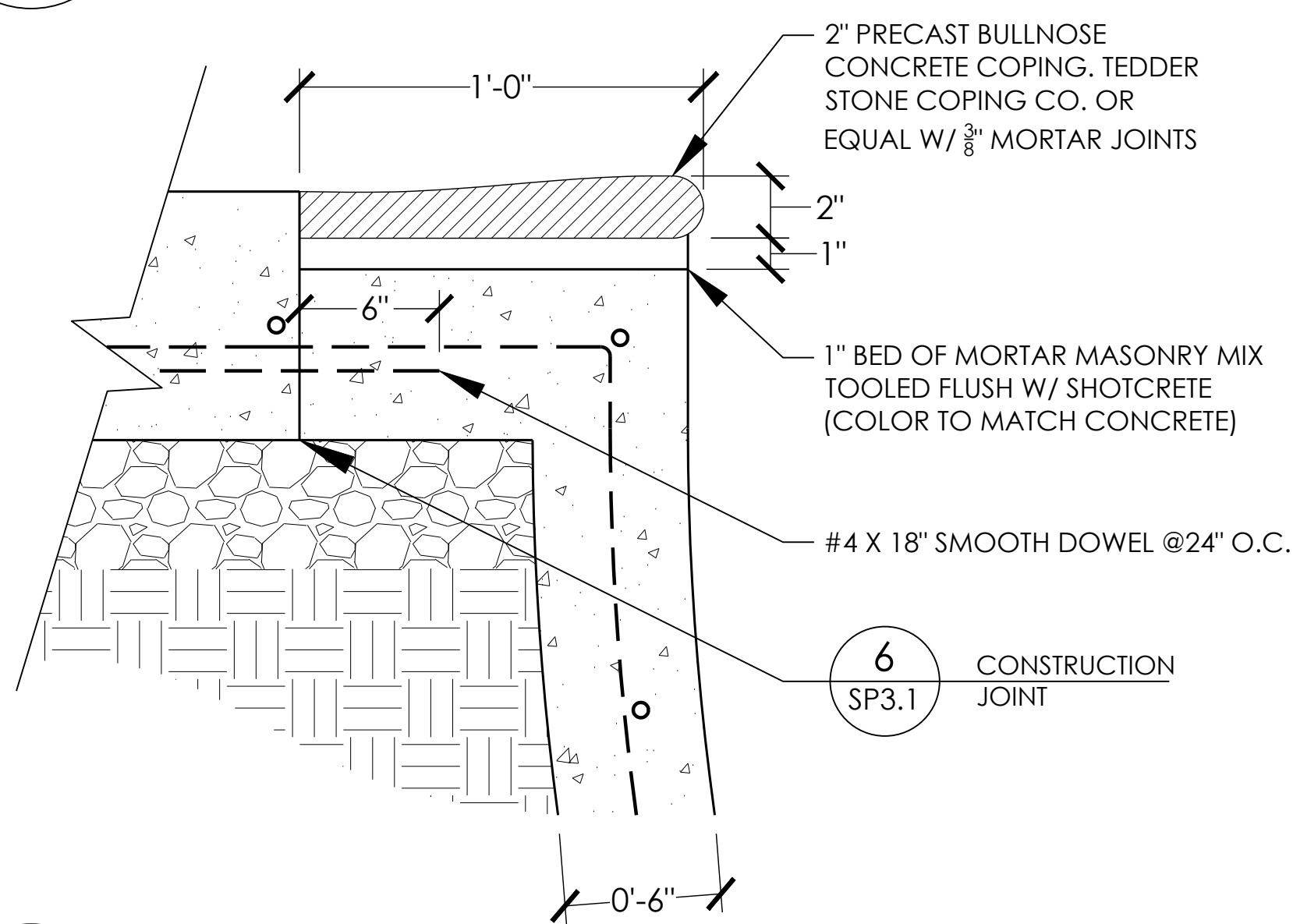
4
SP3.1 SAW-CUT JOINT
NTS



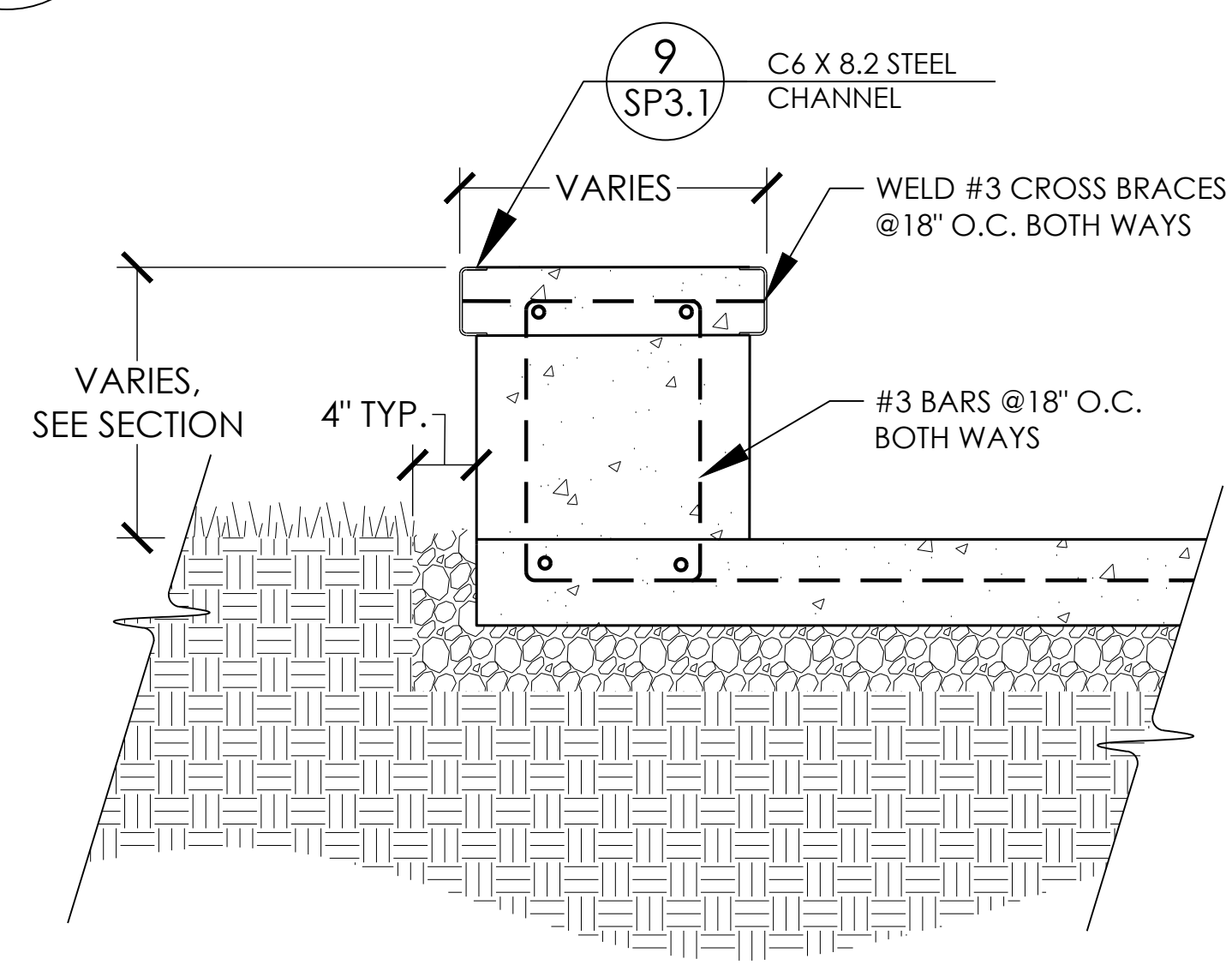
5
SP3.1 CONSTRUCTION JOINT
NTS



6
SP3.1 DRAIN
NTS

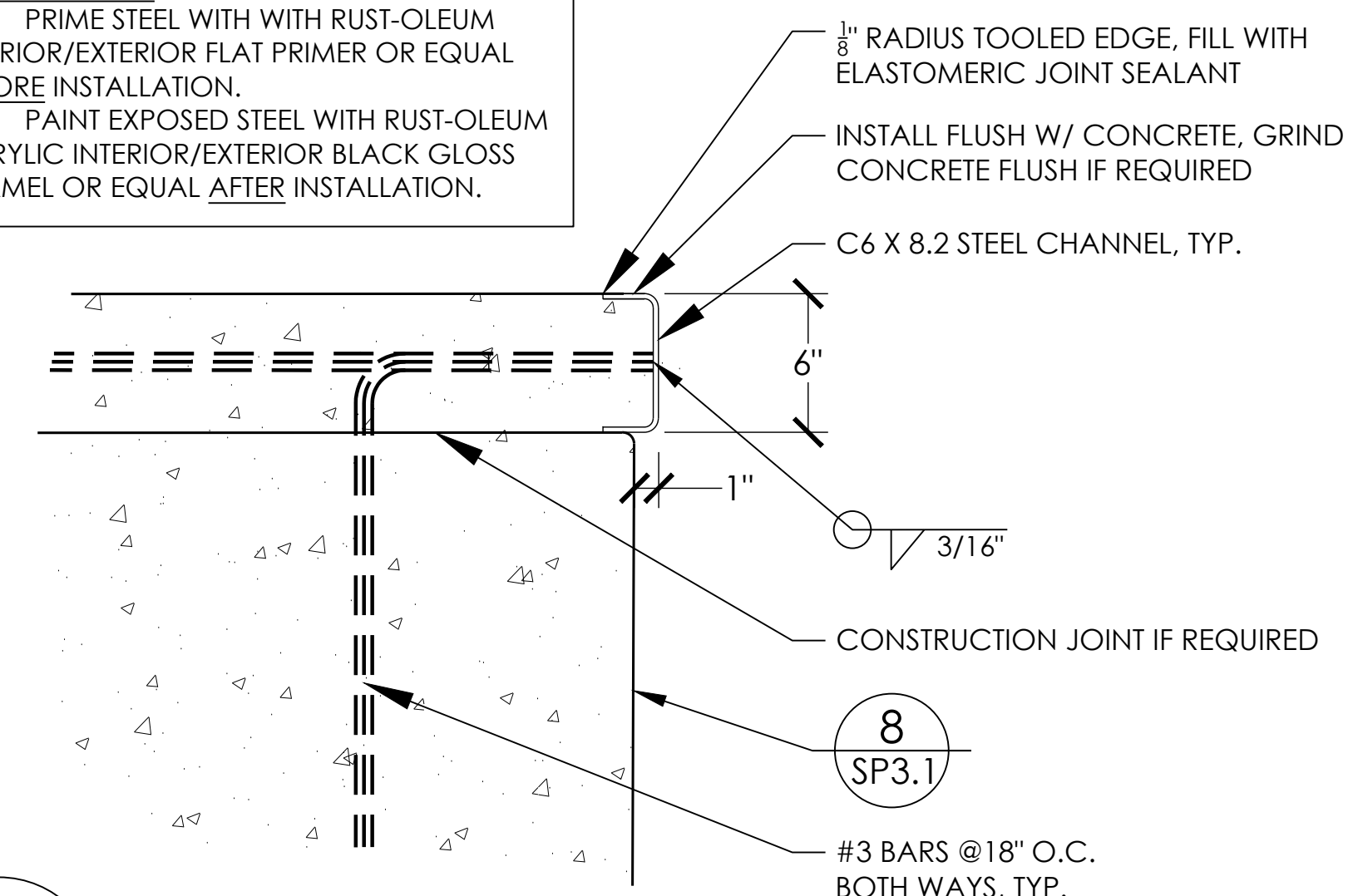


7
SP3.1 POOL COPING & BOND BEAM
NTS

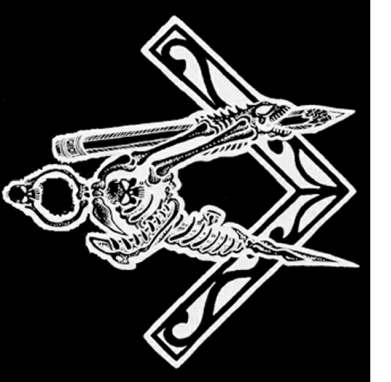


8
SP3.1 REINFORCED CONCRETE LEDGE - CANTILEVER EDGE
NTS

TYPICAL NOTES:
PRIME STEEL WITH WITH RUST-OLEUM
INTERIOR/EXTERIOR FLAT PRIMER OR EQUAL
BEFORE INSTALLATION.
PAINT EXPOSED STEEL WITH RUST-OLEUM
ACRYLIC INTERIOR/EXTERIOR BLACK GLOSS
ENAMEL OR EQUAL AFTER INSTALLATION.



9
SP3.1 STEEL GRIND EDGE - CANTILEVER STEEL CHANNEL
NTS



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www.grindline.com

SCALE: N.T.S.

DETAILS
PROJECT: HUDSON SKATEPARK
LOCATION: HUDSON, OH

SHEET:
SP3.1
DATE: 11.15.19
DRAWN BY: BAJ
CHECKED BY: MBF

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