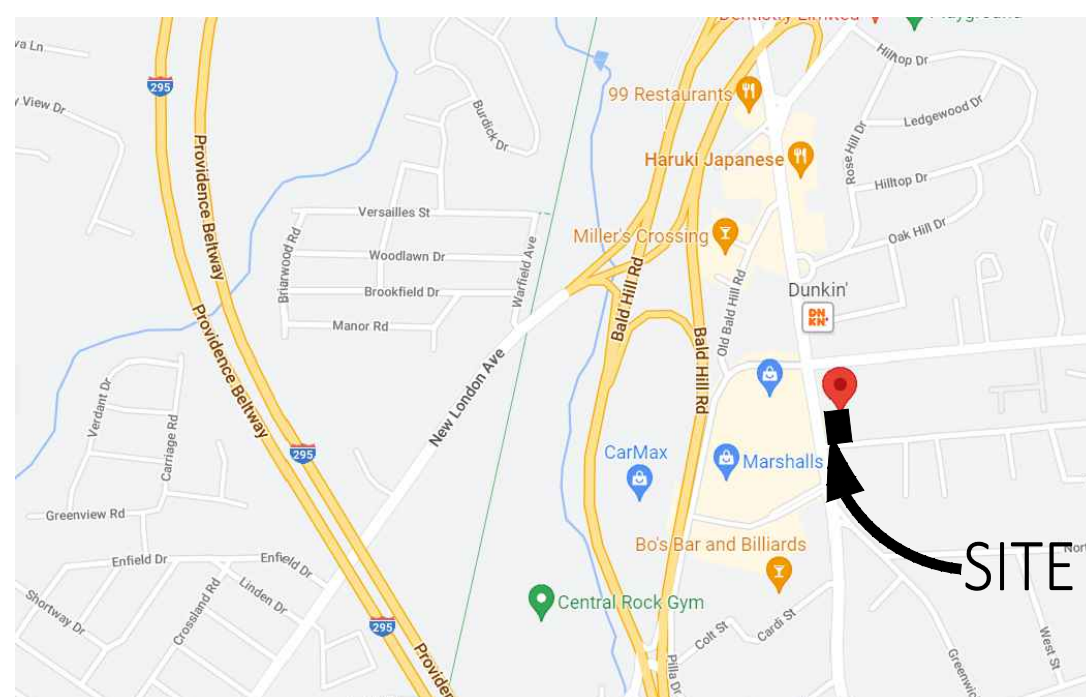




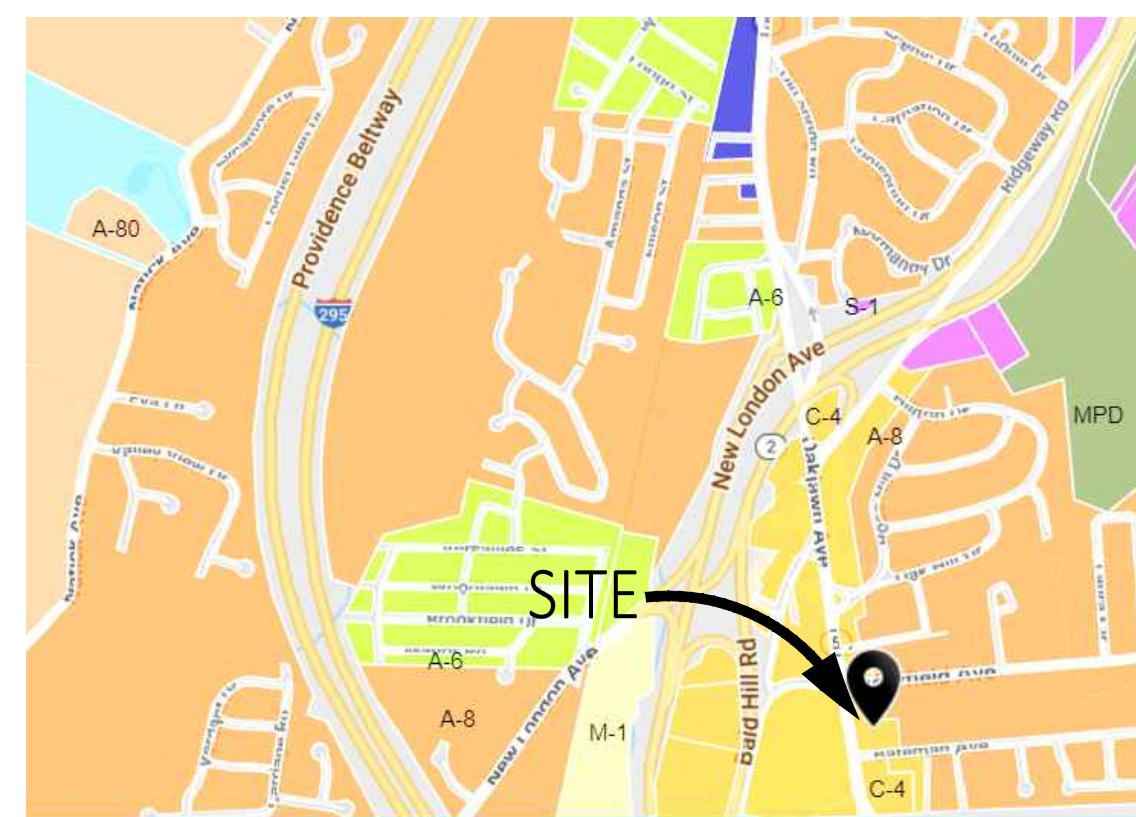
WASHVILLE
NEW TUNNEL CARWASH

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920

PROVIDENCE COUNTY



LOCATION MAP
SCALE: NTS



ZONING MAP
SCALE: NTS

PROJECT DESCRIPTION	
NEW TUNNEL CARWASH WITH ASSOCIATED PARKING AND AMENITIES.	
SITE NOTES	
1. THE BOUNDARY LINES AND TOPOGRAPHY FOR THIS PROJECT ARE BASED ON A FIELD SURVEY COMPLETED BY WHITESTONE ASSOCIATES, INC. DATED: 02.16.2022.	
PARCEL INFORMATION:	
PARCEL NUMBER:	CRAN-000015-000001-000025
OWNER:	WASHVILLE
ACRES:	DEVELOPMENT: ±80,994 S.F. (± 1.859 ACRES) PARCEL II: (CARWASH): ±27,197 S.F. (±0.62 ACRES) PARCEL III (CARWASH): ±22,841 S.F. (±0.52 ACRES)

BUILDING CODE REVIEW	
ACCESSIBILITY CODE	SBC-1-2019 2015 INTERNATIONAL BUILDING CODE (ANSI A117.1-2009)
BUILDING CODE	SBC-1-2019 2015 INTERNATIONAL BUILDING CODE, WITH RI AMENDMENTS
ELECTRICAL CODE	SBC-4-2019 2015 INTERNATIONAL MECHANICAL CODE, WITH RI AMENDMENTS
ENERGY CODE	SBC-8-2019 2015 INTERNATIONAL ENERGY CONSERVATION CODE, WITH RI AMENDMENTS
MECHANICAL CODE	SBC-4-2019 2015 INTERNATIONAL MECHANICAL CODE, WITH RI AMENDMENTS
PLUMBING CODE	SBC-3-2019 2015 INTERNATIONAL BUILDING CODE, WITH RI AMENDMENTS
FIRE CODE	2018 NATIONAL FIRE PROTECTION ASSOCIATION
ZONING ORDINANCE REVIEW	
ZONING ORDINANCE	A CODIFICATION OF THE GENERAL ORDINANCES OF THE CITY OF CRANSTON, RHODE ISLAND, DATED 06.28.2021
ZONING MAP	CRANSTON RI ZONING AND FUTURE LAND USE MAP
SITE ZONING	C4 - COMMERCIAL
PERMITTED USE	YES

BULK REGULATIONS			
ITEM	REQUIRED	PROPOSED	ORDINANCE
LOT REQUIREMENTS:			
MIN. LOT AREA	12,000 SF	50,083 SF	17.20.120
MAX. LOT COVERAGE	12,000 SF	4,201	
SETBACK REQUIREMENTS:			
FRONT BUILDING SETBACK	40.0'	50.5'	17.106.030
SIDE BUILDING SETBACK	8.0'	SOUTH: 47.1' NORTH: 100'	
REAR BUILDING SETBACK	20.0'	81.5'	ANSI/ICC A117.1
PARKING REQUIREMENTS:			
MIN. STANDARD SPACE SIZE	9'x18'	9' x 18' STANDARD SPACE 14' x 18' VACUUM SPACE	
PARKING CALCULATION	FOR AUTOMOBILE WASHING BUSINESSES, ADDITIONAL STACKING SPACES MAY BE REQUIRED AT THE EXIT OF THE AUTO WASH STRUCTURE	3 EMPLOYEE	
VACUUM SPACES	--	19 VAC SPACES	
BARRIER-FREE SPACES	1	2 (1 VAC SPACE)	
TOTAL SPACES		24	
MIN. LOADING ZONE SIZE	UNDER 30,000 SF NO LOADING ZONE REQUIRED	NO LOADING ZONE	
BUFFER WIDTH IN NON-RESIDENTIAL DISTRICTS	20' LANDSCAPE BUFFER ADJACENT TO RESIDENTIAL ZONING	NORTH: 23.3' EAST: 26.4'	
LOUDSPEAKER SETBACK FROM RESIDENTIAL ZONING	100'	NORTH: 113.8' EAST: 140.5'	

PROJECT DIRECTORY			
SITE	OWNER/DEVELOPER		--
	PROJECT MANAGER	SEVAN MULTI-SITE SOLUTIONS 37704 HILLS TECH DRIVE FARMINGTON HILLS, MI 48331	BRADY CARLUCCI 603.236.6332
DESIGN CONTACT	SURVEYOR	CONTROL POINT ASSOCIATES, INC. 352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772	508.948.3000
	CIVIL ENGINEER	SEVAN ENGINEERING, PC 37704 HILLS TECH DRIVE FARMINGTON HILLS, MI 48331	TIMOTHY KRATZ, PE 219.841.6535
GOVERNMENT	ARCHITECT	SEVAN DESIGN SOLUTIONS, P.C. 37704 HILLS TECH DRIVE DOWNERS GROVE, IL 60515	--
	ELECTRIC	NATIONAL GRID P.O. BOX 371361 PITTSBURGH, PA 15250	1.800.375.7405
	GAS	NATIONAL GRID 280 MELROSE STREET PROVIDENCE, RI 02907	THOMAS DION THOMAS CRANSTON 401.784.7153
	WATER	PROVIDENCE WATER SERVICE BUREAU 125 DUPONT DRIVE PROVIDENCE, RI 02907	MIKE DINOBILE 401.521.6300 (EXT: 7213)
	SANITARY SEWER	CRANSTON DEPARTMENT OF PUBLIC WORKS 869 PARK AVENUE CRANSTON, RI 02910	401.461.1000
	STORM SEWER	RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT 235 PROMENADE STREET PROVIDENCE, RI 02908	RON GANON 401.222.4700 (EXT: 77500)
	PLANNING DEPARTMENT (TOWNSHIP)	CITY OF CRANSTON, PRINCIPAL PLANNER 869 PARK AVENUE CRANSTON, RI 02910	DOUGLAS MCLEAN 401.780.3137
	PUBLIC SAFETY	CITY OF CRANSTON 869 PARK AVENUE CRANSTON, RI 02910	PUBLIC SAFETY MANAGER 401.780.3204
ENGINEER	RHODE ISLAND DEPARTMENT OF TRANSPORTATION TWO CAPITOL HILL PROVIDENCE, RI 02903	SAM LAPATIN 401.734.4857	
	HEALTH DEPARTMENT	STATE OF RHODE ISLAND DEPARTMENT OF HEALTH 3 CAPITOL HILL PROVIDENCE, RI 02908	401.222.2750
	FIRE DEPARTMENT	CITY OF CRANSTON FIRE DEPARTMENT CHIEF CLERK 301 PONTIAC AVENUE CRANSTON, RI 02910	JOHN IRELAND 401.780.4039
BUILDING DEPARTMENT	CITY OF CRANSTON, PERMIT TECHNICIAN 869 PARK AVENUE CRANSTON, RI 02910	CYNTHIA 401.780.6016	

SHEET INDEX			03.03.2022 SITE PLAN REVIEW		06.24.2022 REVISED PER RIDEM AND RIDOT		08.24.2022 REVISED PER RIDEM AND RIDOT		08.09.2022 REVISED PER CITY REVIEW		09.23.2022 REVISED PER CITY REVIEW							
GENERAL			0	1	2	3	4	5	6	7	8							
G0.01	COVER SHEET		●	●	●	●												
G0.02	GENERAL NOTES		●	●	●	●												
SURVEY																		
1 OF 1	ALTA/NSPS LAND TITLE SURVEY		●	●	●	●												
CIVIL																		
C1.10	DEMOLITION SITE PLAN		●	●	●	●												
C1.11	SOIL EROSION AND SEDIMENTATION CONTROL PLAN		●	●	●	●												
C1.20	DIMENSION CONTROL SITE PLAN		●	●	●	●												
C1.30	GRADING PLAN		●	●	●	●												
C1.31	STORM WATER MANAGEMENT PLAN		●	●	●	●												
C1.40	UTILITY PLAN		●	●	●	●												
C5.00	EROSION CONTROL DETAILS		●	●	●	●												
C5.01	SITE DETAILS		●	●	●	●												
C5.02	SITE DETAILS		●	●	●	●												
C5.03	UTILITY DETAILS		●	●	●	●												

sevan ENGINEERING

Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
734.367.4445 Telephone

Corporate Office:
3025 Highland Parkway, Suite 850
Downers Grove, IL 60515
Info@sevasolutions.com www.sevasolutions.com

INTEGRITY | RESPECT | TEAMWORK | EXCELLENCE | CHARITY

REVISIONS		
NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
2	07.14.2022	REVISED PER RIDEM AND RIDOT
3	08.09.2022	REVISED PER CITY REVIEW
4	09.23.2022	REVISED PER CITY REVIEW

CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER

Washville
Your Hometown Car Wash

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

**1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920**

(PROVIDENCE COUNTY)

SHEET TITLE

COVER SHEET

SHEET MANAGEMENT

PROJECT NO.:	CRANSTON
DATE:	-
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	--

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SHEET NUMBER

G0.01

FILE NAME: Y:\Shared\Clients\Washville\Cad\GIS\GIS\A117\1300-1310 Oaklawn Ave.dwg, AMS-DWGED BY: Shaham O. Owaidat, DATE: 9/23/2022, 2:04:30 PM, DOTTED: 5/27/2022, 2:04:30 PM

GENERAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO KNOW ALL OBSERVABLE CONDITIONS AND TO CONFORM TO ALL APPLICABLE CODES. THE GENERAL CONTRACTOR SHALL INFORM THE OWNER'S REPRESENTATIVE OF ANY NECESSARY OR APPROPRIATE QUESTIONS OR CLARIFICATIONS. THE GENERAL CONTRACTOR SHALL INCORPORATE ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND STANDARDS, INCLUDING FEDERAL ADA REQUIREMENTS.
2. THE DRAWINGS AND PROJECT MANUAL (INCLUDING ASSOCIATED STUDIES, DRAWINGS, SHOP DRAWINGS AND SIMILAR INSTRUMENTS AS APPLICABLE) CONSTITUTE THE GUIDELINES FOR THE PROJECT AND SHALL BE USED IN CONJUNCTION WITH THE AFOREMENTIONED ENTIRE BODY OF PROJECT INFORMATION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE COMPLETE INFORMATION TO ALL JURISDICTIONAL AUTHORITIES, SUBCONTRACTORS, ALLIED CONSULTANTS, HIRES, AND ASSIGNS.
3. ALL CONSTRUCTION SHALL COMPLY WITH THE DRAWINGS, PROJECT MANUAL, CODES AND STANDARDS OF THE JURISDICTIONAL AUTHORITY OR AUTHORITIES. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS. IN CASE OF DISCREPANCIES, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
4. THE GENERAL CONTRACTOR PERFORMING THE WORK SHALL MAINTAIN A GENERAL "A" LICENSE WITH HAZ MAT CERTIFICATION FROM THE CONTRACTOR'S STATE LICENSE BOARD AND/OR OTHER JURISDICTIONAL AUTHORITY.
5. THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES FOUND DURING THE INVESTIGATION OF EXISTING UTILITIES AND TOPOGRAPHY AND/OR DURING THE CONSTRUCTION PHASE.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, PERMIT FEES, LICENSES AND LICENSE FEES. THE GENERAL CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS REQUIRED TO PERFORM ALL REQUIRED WORK. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE ALL TRAFFIC CONTROL NECESSARY FOR THIS WORK.
7. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE GOVERNING AGENCY OR AGENCIES HAVING JURISDICTION. GRADING, PAVING, AND MATERIALS SHALL COMPLY WITH THE JURISDICTIONAL ROADWAY AUTHORITY OR AUTHORITIES (E.G., DEPARTMENT OF TRANSPORTATION) STANDARD SPECIFICATIONS FOR CONSTRUCTION AS WELL AS PROJECT SPECIFICATIONS AND DRAWINGS. IN CASE OF DISCREPANCIES BETWEEN REQUIREMENTS, ATTAIN CLARIFICATION FROM THE OWNER'S REPRESENTATIVE.
8. THE GENERAL CONTRACTOR SHALL ENSURE ALL SITE INSPECTIONS REQUIRED BY CITY AND/OR STATE AGENCIES, AND/OR OTHER JURISDICTIONAL AUTHORITY ARE TO BE SCHEDULED A MINIMUM OF FIVE WORKING DAYS IN ADVANCE OF REQUESTED INSPECTION DATE.
9. THE GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE OWNER'S REPRESENTATIVE IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE DRAWINGS, PROJECT MANUAL AND/OR FIELD CONDITIONS SO THAT APPROPRIATE ADJUSTMENTS AND/OR REVISIONS CAN BE MADE PRIOR TO CONSTRUCTION. ANY CONFLICTS BETWEEN THE DRAWINGS AND PROJECT MANUAL SHALL BE IDENTIFIED BY THE GENERAL CONTRACTOR AND CONFIRMED WITH THE OWNER'S REPRESENTATIVE PRIOR TO BIDDING.
10. MATERIAL TESTING SHALL BE SUPPLIED BY THE OWNER'S REPRESENTATIVE. THE GENERAL CONTRACTOR SHALL COORDINATE WITH TESTING FIRM. ALL RE-TESTING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
11. SOIL SAMPLES MAY BE REQUIRED TO BE TAKEN FOR TESTING AT THE DIRECTION OF HAZ MAT, OTHER JURISDICTIONAL AUTHORITY, OR THE OWNER'S REPRESENTATIVE.
12. THE GENERAL CONTRACTOR SHALL MAINTAIN A CLEAN WORK AREA. TRASH AND WASTE MATERIALS SHALL BE COLLECTED AT A SAFE POINT, AWAY FROM FLAMES OR OTHER FIRE SOURCES. THE GENERAL CONTRACTOR SHALL PREVENT ANY LEAKS OR DRIPS OF HYDRAULIC FLUID, MOTOR OIL, MOTOR FUELS, SOLVENTS, AND OTHER HYDROCARBONS FROM CONTAMINATING THE GROUND. SUCH SPILLS SHALL BE IMMEDIATELY COVERED WITH AN OIL ABSORBING MEDIUM (E.G. "OIL DRY") AND REMOVED FROM THE SITE IN A LEGAL AND ENVIRONMENTALLY SOUND MANNER. TRASH SHALL BE PROPERLY DISPOSED OF DAILY, UNLESS A COVERED DUMPSTER IS PROVIDED AND ITS LOCATION APPROVED BY THE OWNER'S REPRESENTATIVE.
13. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL RUBBISH, TRASH, DEBRIS AND ORGANIC MATERIAL IN A LAWFUL MANNER.
14. PROVIDE ADEQUATE BARRICADES AT DRIVES, ENTRANCES, EXCAVATIONS, OTHER OPENINGS, AND HAZARDOUS AREAS TO KEEP OUT UNAUTHORIZED PERSONS, FOR PUBLIC SAFETY, AND TRAFFIC CONTROL. SAFETY PROVISIONS OF APPLICABLE LAWS SHALL BE OBSERVED AT ALL TIMES. BARRICADES LEFT IN PLACE AT NIGHT SHALL BE LIGHTED.
15. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND FOR DEWATERING TO ACCOMPLISH ALL WORK INDICATED ON PLANS AND TO PERFORM REQUIRED COMPACTION OPERATIONS. DEWATERING SHALL NOT DISCHARGE TO ANY SANITARY SEWER SYSTEM OR BE PUMPED ONTO ANY PUBLIC ROADWAY.
16. PROMPTLY REMOVE ALL DEMOLITIONS, PROJECT DISCARDS, RUBBISH, AND DEBRIS FROM THE LIMITS OF THE OWNER'S PROPERTY AND/OR EFFECTIVE PROJECT LIMITS, AND DISPOSE IN A LEGAL MANNER.
17. ALL EQUIPMENT TO BE INSTALLED SHALL BE UL APPROVED.
18. THE GENERAL CONTRACTOR SHALL PROVIDE A TRAFFIC SEQUENCING AND SCHEDULING PLAN AT THE ON-SITE PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVES AND APPLICABLE LANDLORD'S REPRESENTATIVE(S).
19. THE GENERAL CONTRACTOR'S MANNER AND METHOD OF INGRESS AND EGRESS WITH RESPECT TO THE PROJECT AREA SHALL IN NO WAY PROHIBIT OR DISTURB NORMAL PEDESTRIAN OR VEHICULAR TRAFFIC IN THE VICINITY AND IS SUBJECT TO REGULATION AND WRITTEN APPROVAL OF AFFECTED OWNER(S), JURISDICTIONAL AUTHORITY, AND/OR AUTHORITIES, AS APPLICABLE.
20. ALL CONSTRUCTION SHALL BE CONDUCTED TO CAUSE MINIMAL INTERFERENCE WITH STREETS, DRIVES OR WALKS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC AND SHALL NOT CAUSE THE CLOSURE OR OBSTRUCTION OF STREETS, DRIVES, WALKS OR USER FACILITIES WITHOUT PERMISSION FROM THE OWNER'S REPRESENTATIVE.
21. THE GENERAL CONTRACTOR SHALL PHASE CONSTRUCTION IN SUCH A WAY AS TO MAINTAIN AN ACCESS ROUTE FROM AN ENTRANCE DRIVE TO TRUCK DOCKS AND/OR LOADING AREA(S) AT ALL TIMES.
22. CONTRACTOR SHALL KEEP EXISTING STREETS, ROADS AND DRIVES CLEAR OF DIRT, DEBRIS AND EQUIPMENT.
23. THE GENERAL CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER'S REPRESENTATIVE FOR PARKING AND STORAGE OF EQUIPMENT. THIS AREA, AS WELL AS THE JOB SITE, SHALL BE ENCLOSED IN CHAIN LINK FENCING. A TRAFFIC LANE SHALL BE DESIGNATED FOR INGRESS AND EGRESS FROM THE WORK AREA. IF REQUIRED, FLAG MEN SHALL BE PROVIDED TO PROVIDE FOR SAFE AND EFFICIENT MOVEMENT OF VEHICLES. NO CHANGES TO THE WORK AREA OR TO THE AGREED TRAFFIC PATTERN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE; THE OWNER'S REPRESENTATIVE WILL SECURE APPROVAL FOR SUCH CHANGES, IF APPLICABLE.
24. NO EQUIPMENT OR MATERIAL STORAGE IS PERMITTED WITHIN THE ROAD RIGHT-OF-WAY.
25. FOR THE DURATION OF CONSTRUCTION OPERATIONS, EMPLOYEE(S) WILL PARK IN A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE.
26. RESTORE ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES, AND OTHER PUBLIC OR PRIVATE STRUCTURES THAT ARE DISTURBED OR DAMAGED AS A RESULT ON CONSTRUCTION ACTIVITIES TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS AND TO THE SATISFACTION OF AFFECTED OWNER(S), JURISDICTIONAL AUTHORITY, AND/OR AUTHORITIES, AS APPLICABLE.
27. PROTECT EXISTING TREES TO REMAIN WITH TEMPORARY FENCING PLACED AT THE DRIP LINE. NO GROUND DISTURBANCE OR STORAGE OF MATERIAL SHALL OCCUR WITHIN THE DRIP LINE LIMITS, UNLESS HEREON EXPRESSLY INDICATED OTHERWISE.
28. WRITTEN DIMENSIONS SHALL PREVAIL. NO DIMENSION MAY BE SCALED. REFER ANY UNCLEAR ITEMS TO THE OWNER'S REPRESENTATIVE FOR INTERPRETATION.
29. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PROPOSED DIMENSIONS FOR BUILDINGS, WALLS, CONCRETE SLABS, UTILITY SERVICE POINT CONNECTIONS, ETC., AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.

DEMOLITION NOTES:

1. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY SITE DEMOLITION, EXCAVATION OR GRADING.
2. PERFORM CLEARING, STRUCTURE REMOVAL, PAVEMENT REMOVAL AND APPLICABLE STOCKPILING IN ACCORDANCE WITH THE PROJECT DRAWINGS AND PROJECT MANUAL. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE LAWFUL REMOVAL AND DISPOSAL OF ALL RUBBISH, TRASH, DEBRIS, ORGANIC MATERIAL, ETC. SEE GENERAL NOTES #13.
3. NO ATTEMPT IS MADE TO STIPULATE EACH ITEM TO BE REMOVED AND/OR DEMOLISHED, EITHER ON THE DRAWINGS OR IN THE PROJECT MANUAL. THE CONTRACTOR MUST VISIT THE SITE TO ASSESS EXISTING PHYSICAL CONDITIONS, AS WELL AS REVIEW THE DRAWINGS, AND ULTIMATELY DETERMINE WORK NECESSARY TO ACCOMPLISH INTENDED RESULTS DESCRIBED BY THE PROJECT DRAWINGS AND PROJECT MANUAL.
4. COMPLETELY RESTORE ALL DISTURBED AREAS TO CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION AND TO THE SATISFACTION OF AFFECTED OWNER(S) AND/OR GOVERNING AUTHORITY. ALL COSTS FOR CLEAN-UP, RESTORATION WORK AND OTHER RESTORATION OPERATIONS SUCH AS, BUT NOT LIMITED TO, CONSTRUCTION SIGNAGE, STREET SWEEPING AND MAINTAINING EXISTING UTILITIES SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. RESTORATION WORK SHALL BE PERFORMED WITHIN FIVE (5) WORKING DAYS AFTER COMPLETION OF FINAL GRADING.
5. WHERE EXISTING PAVEMENT IS TO BE PARTIALLY REMOVED, SAWCUT PAVEMENT TO FULL DEPTH TO PROVIDE A SMOOTH JOINT WITH PROPOSED PAVEMENT.
6. ALL DEMOLITION WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE JURISDICTIONAL AUTHORITY.
7. IF APPROPRIATE, RETAIN SOIL SPOILS FROM CONSTRUCTION EXCAVATION AND STORE AT DESIGNATED LOCATION FOR RE-USE, IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, PROJECT DRAWINGS, AND OWNER'S REPRESENTATIVE APPROVAL(S).

UTILITY NOTES:

1. PROTECT AND MAINTAIN CROSSINGS WITH ANY AND ALL OTHER UTILITY LINES.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE JURISDICTIONAL AUTHORITY OR AUTHORITIES TO PROVIDE FEES AND SECURE PERMITS FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES.
3. THOROUGH COORDINATION WITH THE RESPECTIVE UTILITY COMPANIES SHALL BE PERFORMED BY THE GENERAL CONTRACTOR TO INSURE THAT ALL UTILITY COMPANY, AND OTHER JURISDICTIONAL AUTHORITY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET.
4. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SERVICES AND SERVICE LINES, PRIOR TO CONSTRUCTION.
5. THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE SEWERS CROSS EXISTING UTILITIES AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE GENERAL CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE IN THE EVENT OF ANY UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
6. THE GENERAL CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR SERVICE INSTALLATIONS AND CONNECTIONS AND MAIN SERVICE RELOCATIONS. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK TO BE PERFORMED BY THE VARIOUS UTILITY COMPANIES, PAY ALL FEES AND SECURE ALL PERMITS FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS AND DEMOLITION AS NECESSARY OR APPROPRIATE.
7. THE GENERAL CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS, ETC. WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNER'S REPRESENTATIVE. OTHER AFFECTED OWNER(S), THE UTILITY COMPANIES AND JURISDICTIONAL AUTHORITIES. THE CONTRACTOR SHALL INSTALL AS NECESSARY TEMPORARY SITE LIGHTING, GAS, SANITARY, WATER, STORM, ELECTRIC, TELEPHONE AND CABLE SERVICES TO BUILDING(S) THAT ARE TO REMAIN OPERATIONAL.
8. THE GENERAL CONTRACTOR SHALL PROVIDE SLEEVES UNDER FOOTINGS AND/OR THROUGH FOUNDATIONS FOR UTILITY CONNECTIONS.
9. THE GENERAL CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING/CANOPY SUB-OUTS, INCLUDING ROOF/FOOTING DRAIN CONNECTIONS AND ROOF LEADERS, AND TO THE STORM DRAINAGE SYSTEM.
10. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION PRIOR TO APPROVAL FOR BACKFILL, IN ACCORDANCE WITH THE UTILITY COMPANY OR COMPANIES, AND OTHER JURISDICTIONAL AUTHORITY REQUIREMENTS.
11. THE GENERAL CONTRACTOR SHALL RESTORE ANY STRUCTURE, PIPE, PAVEMENT, CURBS, SIDEWALKS, APPROPRIATE LANDSCAPE AREAS, ETC. DISTURBED DURING CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER.
12. PENDING THE GENERAL CONTRACTOR'S NOTIFICATION OF AND APPROVAL BY THE OWNER'S REPRESENTATIVE, UTILITY CONNECTION DESIGN AS REFLECTED IN THE PLANS AND PROJECT MANUAL MAY CHANGE SUBJECT TO UTILITY COMPANY AND JURISDICTIONAL AUTHORITY REVIEW.

BID NOTES:

1. THE GENERAL CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CALCULATING ALL QUANTITIES.
3. THE CONTRACTOR SHALL INCLUDE THE BITUMINOUS AND CONCRETE PAVING SHOWN ON THE PLANS IN THEIR BASE BID.
4. THE CONTRACTOR SHALL PROVIDE THE UP-CHARGE, IF ANY, TO INSTALL CONCRETE PAVING INSTEAD OF BITUMINOUS PAVING. THIS PRICE SHALL ALSO INCLUDE THE COSTS TO PROTECT THE NEW CONCRETE PAVING FROM WINTER CONDITIONS.
5. THE GENERAL CONTRACTOR SHALL REFER TO GEOTECHNICAL ENGINEERING REPORT GM2118500, DATED 12.15.2021 PREPARED BY WHITESTONE ASSOCIATES

DISCLAIMERS:

1. THIS SET OF DRAWINGS IS INTENDED AS A SET OF GUIDELINES FOR THE PROJECT AND ARE TO BE USED IN CONJUNCTION WITH THE PROJECT MANUAL AND/OR SUPPLEMENTAL DATA TO BE PROVIDED BY THE OWNER'S REPRESENTATIVE. THEY MUST BE READ TO INCORPORATE ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
2. EXISTING SITE INFORMATION HEREON IS PROVIDED BY THE OWNER, SURVEYOR, PLANS PREPARED BY OTHERS, AND/OR FIELD SURFACE EVIDENCE. ALL LOCATIONS ARE PRESUMED TO BE APPROXIMATE. SEVAN MULTI-SITE SOLUTIONS ASSUMES NO LIABILITY FOR INFORMATION REPRESENTING EXISTING CONDITIONS HEREON. IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO THOROUGHLY REVIEW THESE DRAWINGS AND SUPPLEMENTAL OWNER PROVIDED DATA WITH ACTUAL SITE CONDITIONS. THE GENERAL CONTRACTOR SHALL NOTE ANY DISCREPANCIES IN THE DRAWINGS AND ACTUAL SITE CONDITIONS, WHETHER SHOWN ON THE PLANS OR NOT, WITH THE OWNER'S REPRESENTATIVE PRIOR TO BIDDING AND CONSTRUCTION.
3. THE DRAWINGS AND PROJECT MANUAL ASSUME THERE ARE NO UNUSUAL SOIL CONDITIONS, UNKNOWN UNDERGROUND STRUCTURES OR IMPEDIMENTS, WIND LOADS, AND/OR SIMILAR UNFORESEEN CIRCUMSTANCES. UNUSUAL CONDITIONS DETECTED BY THE GENERAL CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S REPRESENTATIVE AND MAY REQUIRE SIGNIFICANT CHANGES TO THESE DRAWINGS.



Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
 734.367.4445 Telephone

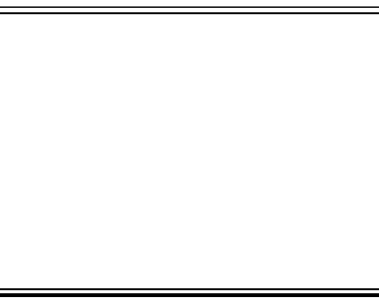
Corporate Office:
3025 Highland Parkway, Suite 850
Downers Grove, IL 60515
 info@sevanolutions.com www.sevanolutions.com

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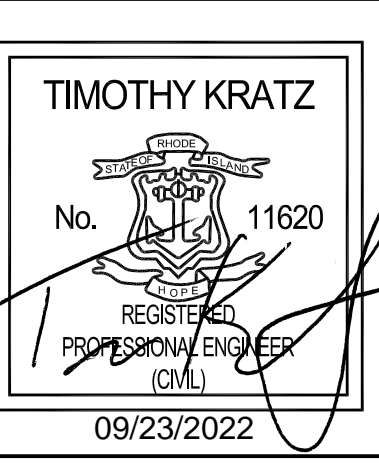
REVISIONS

NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
2	07.14.2022	REVISED PER RIDEM AND RIDOT
3	08.09.2022	REVISED PER CITY REVIEW
4	09.23.2022	REVISED PER CITY REVIEW

CONSULTANT



SEAL



CUSTOMER



PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920
 (PROVIDENCE COUNTY)

SHEET TITLE

GENERAL NOTES

SHEET MANAGEMENT

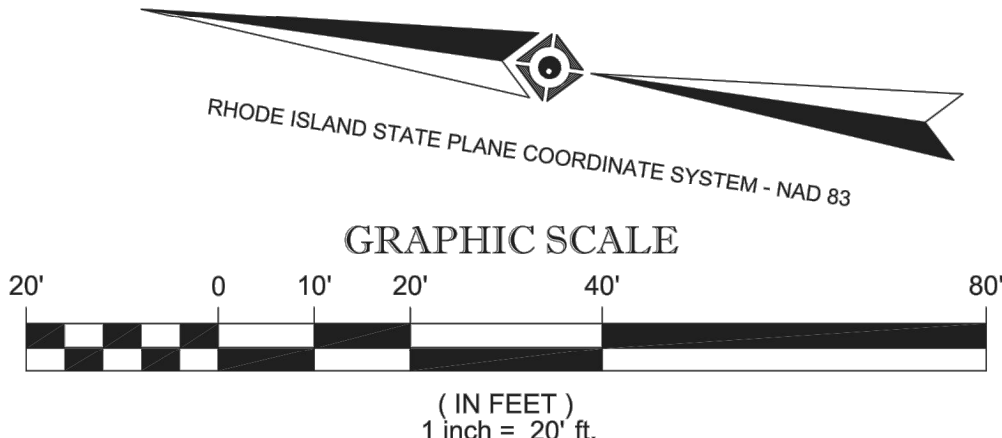
PROJECT NO.:	CRANSTON
DATE:	-
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	--

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SHEET NUMBER

G0.02

FILE NAME: Y:\Shared\Clients\Stoughton\Washville\Customers\Washville\G0002.dwg, ANS: XWAVEB BY: bharami.0, Onwells: SVA05.DWT DTG: 3/20/22 2:56:49 AM, EVD(T)E: D: 22/2/27 2:57:29 PM



THE STATE OF RHODE ISLAND REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

MAYFIELD AVENUE (VARIABLE WIDTH ROW) (PER REF #3)

BATEMAN AVENUE (VARIABLE WIDTH ROW) (PER REF #3)

OAKLAWN AVENUE (AKA ROUTE 5) (VARIABLE WIDTH ROW) (PER REF #3)

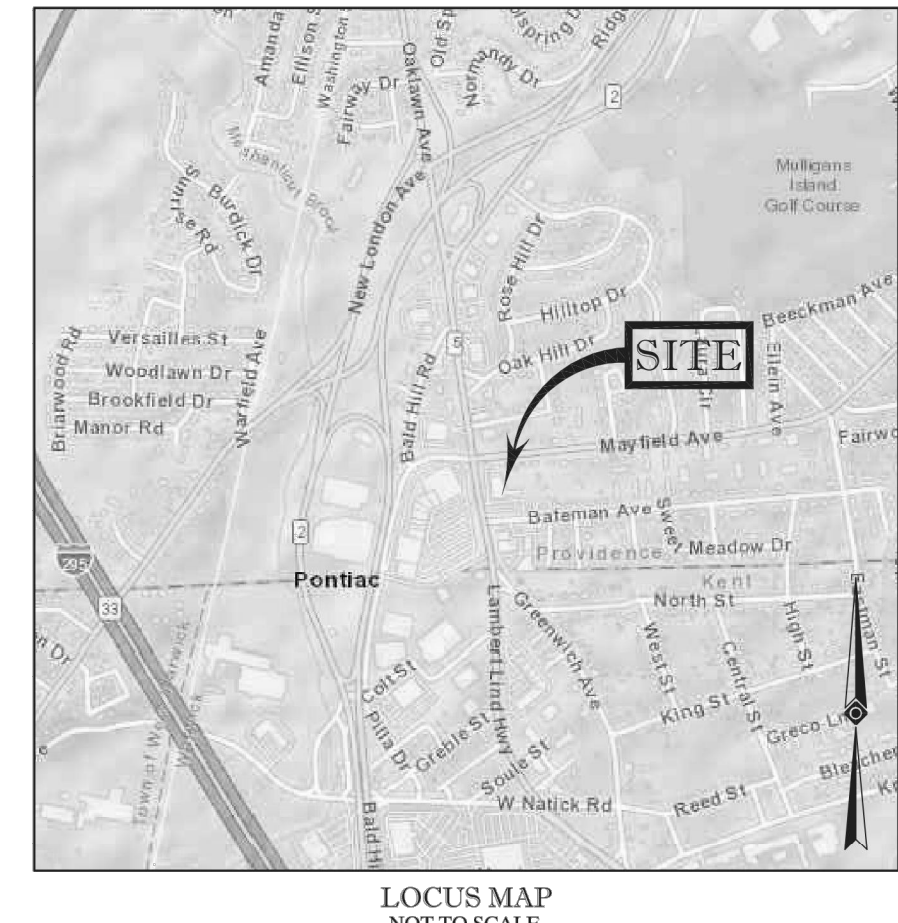
TITLE COMMITMENT NO. 5738337, COMMITMENT DATE NOVEMBER 18, 2021 PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY EXHIBIT "A"

PARCEL I: THAT CERTAIN LOT OR PARCEL OF LAND TOGETHER WITH THE BUILDINGS AND IMPROVEMENTS THEREON, SITUATED AT THE CORNER OF OAKLAWN AVENUE AND MAYFIELD AVENUE, IN THE CITY OF CRANSTON, PROVIDENCE COUNTY, STATE OF RHODE ISLAND, BOUNDED AND DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEASTERLY CORNER OF THE PARCEL HEREBY DESCRIBED ON THE SOUTHERLY SIDE OF MAYFIELD AVENUE AND AT THE LAND NOW OR FORMERLY OF SALVATORE MAGLIOCCO AND WIFE MARY MAGLIOCCO...

PARCEL II: THE PARCEL OF LAND WITH ALL BUILDINGS AND IMPROVEMENTS THEREON, SITUATED ON THE NORTHERLY SIDE OF BATEMAN AVENUE IN THE CITY OF CRANSTON AND STATE OF RHODE ISLAND, BOUNDED AND DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE NORTHERLY LINE OF BATEMAN AVENUE AT THE SOUTHWESTERLY CORNER OF LAND CONVEYED TO DOMENICO TAVONE AND WIFE BY DEED FROM CHARLES PAGLIARINI AND WIFE DATED JUNE 11, 1956 AND RECORDED IN THE RECORDS OF LAND EVIDENCE IN SAID CITY OF CRANSTON IN DEED BOOK 300 AT PAGE 162...

PARCEL III: THAT CERTAIN PARCEL OF LAND WITH ALL BUILDINGS AND IMPROVEMENTS THEREON, SITUATED ON OAKLAWN AVENUE AND BATEMAN AVENUE IN THE CITY OF CRANSTON, STATE OF RHODE ISLAND, BOUNDED AND DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE NORTHERLY LINE OF BATEMAN AVENUE JUST ONE HUNDRED FIFTY-NINE (159) FEET WESTERLY OF THE SOUTHWESTERLY CORNER OF LAND CONVEYED TO DOMENICO TAVONE AND WIFE BY DEED DATED JUNE 11, 1956 AND RECORDED IN THE OFFICE OF THE CITY CLERK OF THE CITY OF CRANSTON IN DEED BOOK 300 AT PAGE 162...

LEGEND table with symbols for: EXISTING CONTOUR, EXISTING SPOT ELEVATION, EXIST. TOP OF CURB ELEVATION, EXIST. BOTTOM OF CURB ELEVATION, EXIST. TOP OF WALL ELEVATION, EXIST. BOTTOM OF WALL ELEVATION, OVERHEAD WIRES, APPROX. LOC. UNDERGROUND NATURAL GAS LINE, APPROX. LOC. UNDERGROUND TELEPHONE LINE, APPROX. LOC. UNDERGROUND WATER LINE, SUBSURFACE UTILITY QUALITY LEVEL C, WATER VALVE, GAS VALVE, SANITARY/SEWER MANHOLE, DRAINAGE/STORM MANHOLE, CATCH BASINS, GRATE ELEVATION, SIGN, MAIL BOX, BOLLARD, AREA LIGHT, PARKING SPACE COUNT, POST, UTILITY POLE, UTILITY POLE/LIGHT POLE/SOLAR PANEL, GUY WIRE, TRAFFIC SIGNAL POLE, TRAFFIC SIGNAL, PAINTED HANDICAPPED, UNDERGROUND, EDGE OF PAVEMENT, LANDSCAPED AREA, TYPICAL, SOLID WHITE LINE, UNKNOWN FOUND, UNKNOWN TERMINUS.



- NOTES: 1. PROPERTY KNOWN AS LOTS 25,26 & 1481, BLOCK 1 AS SHOWN ON THE CITY OF CRANSTON, PROVIDENCE COUNTY, STATE OF RHODE ISLAND, MAP NO. 15. 2. AREA = 80,994 SQUARE FEET OR 1.859 ACRES. 3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY...

- QUALITY LEVEL D - UTILITIES SHOWN BASED UPON REFERENCE MAPPING OR ORAL HISTORY. NOT FIELD VERIFIED. QUALITY LEVEL C - LOCATION OF UTILITY SURFACE FEATURES SUPPLEMENTS REFERENCE MAPPING. INCLUDES MARKOUT BY OTHERS. QUALITY LEVEL B - UTILITY LOCATION DATA IS COLLECTED THROUGH GEOPHYSICAL SENSING TECHNOLOGY TO SUPPLEMENT SURFACE FEATURES AND OR REFERENCE MAPPING. INCLUDES MARKOUT BY CONTROL POINT ASSOCIATES, INC. QUALITY LEVEL A - HORIZONTAL AND VERTICAL LOCATION OF UTILITIES ARE OBTAINED USING VACUUM EQUIPMENT EXCAVATION OR OTHER METHODS TO EXPOSE THE UTILITY. LOCATION SHOWN AT SINGLE POINT WHERE EXCAVATION OCCURRED UNLESS UTILITY WAS LOCATED PRIOR TO FILLING.

- 4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY CLIENT. A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON. 5. THIS SURVEY WAS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, HAVING A COMMITMENT NO. 5738337, WITH AN EFFECTIVE DATE OF NOVEMBER 10, 2021, WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B - SECTION 2: GENERAL EXCEPTIONS 1 THRU 8 ARE NOT SURVEY RELATED AND HAVE NOT BEEN COMMENTED ON AS A PART OF THIS SURVEY.

- 9. EASEMENT RECORDED IN BOOK 1472 AT PAGE 198. - AS SHOWN, AFFECTS SURVEYED PARCEL. 10. ZONING DECISION RECORDED IN BOOK 1567 AT PAGE 147. - NOT SURVEY RELATED. 11. DECLARATION OF EASEMENT RECORDED IN BOOK 1621 AT PAGE 138. - BLANKET EASEMENT, NOT PLOTTABLE. 12. ZONING NOTICE RECORDED IN BOOK 2201 AT PAGE 151. - NOT SURVEY RELATED. 13. ZONING DECISION RECORDED IN BOOK 2219 AT PAGE 108. - NOT SURVEY RELATED. 14. SITE PLAN REVIEW APPROVAL RECORDED IN BOOK 4282 AT PAGE 136. - NOT SURVEY RELATED. 15. RESTRICTIVE COVENANT AGREEMENT RECORDED IN BOOK 5693 AT PAGE 23. - NOT SURVEY RELATED. 16. EASEMENTS SET FORTH IN THE NOTICES OF CONDEMNATION RECORDED IN BOOK 5953 AT PAGES 161 AND 162 AND AS SHOWN ON CONDEMNATION MAP #2948. - AS SHOWN, AFFECTS SURVEYED PARCEL. 17. EASEMENT RECORDED IN BOOK 5953 AT PAGE 164. - AS SHOWN, AFFECTS SURVEYED PARCEL.

- 6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X-UNSHADED (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2. 7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY. 8. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYVTGPS). TEMPORARY BENCH MARKS SET: TBM-A: MAG NAIL SET IN ASPHALT PAVEMENT, ELEVATION=78.71' TBM-B: MAG NAIL SET IN ASPHALT PAVEMENT, ELEVATION=72.10'

- PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION. 9. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

- REFERENCES: 1. THE TAX ASSESSOR'S MAP OF CITY OF CRANSTON, PROVIDENCE COUNTY, MAP 15. 2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, PROVIDENCE COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 426 OF 451," COMMUNITY-PANEL NUMBER 445396 0426 H, MAP REVISED, OCTOBER 2, 2015. 3. MAP ENTITLED "IMPROVEMENT TO ROUTE 5 (CONTRACT NO. 1) WARWICK AND CRANSTON, RHODE ISLAND" DATED 2016, PREPARED BY RHODE ISLAND DEPARTMENT OF TRANSPORTATION, PLAT NO. 2948. 4. MAP ENTITLED "PLAT SHOWING LAND IN CITIES OF CRANSTON AND WARWICK - PROVIDENCE AND KENT COUNTIES TAKEN IN FEE SIMPLE FOR STATE HIGHWAY PURPOSES" DATED SEPTEMBER 14, 1960, PREPARED BY RHODE ISLAND DEPARTMENT OF TRANSPORTATION, PLAT NO. 1150.

PARKING SPACE COUNT table: REGULAR SPACES 134, HANDICAP SPACES 5, TOTAL SPACES 139

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON DECEMBER 31, 2020 AS FOLLOWS:

- A. TYPE OF BOUNDARY SURVEY: COMPREHENSIVE BOUNDARY SURVEY MEASUREMENT SPECIFICATION: I B. OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (TOPOGRAPHIC SURVEY), VERTICAL CONTROL STANDARD TOPOGRAPHIC SURVEY ACCURACY MEASUREMENT SPECIFICATION: III V-3 T-1 C. THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS: PREPARE BOUNDARY AND TOPOGRAPHIC SURVEY FOR CONFORMANCE AND COLLECTION OF TOPOGRAPHIC AND PLANIMETRIC INFORMATION AS APPLICABLE TO PREPARE DOCUMENT FOR SITE PLAN PREPARATION.

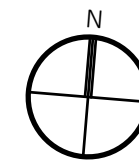
THIS IS TO CERTIFY THAT THIS MAP OR PLAN AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 4, 7, 8, 11, 13, 16 & 17 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON 12-10-2021. NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL.

CHARLES E. LENT, PLS DATE 2-16-2022

ALTA/NSPS LAND TITLE SURVEY WHITESTONE ASSOCIATES, INC. 1312 OAKLAWN AVENUE LOTS 25,26 & 1481, BLOCK 1, MAP 15 CITY OF CRANSTON, PROVIDENCE COUNTY STATE OF RHODE ISLAND

Table with columns: FIELD DATE, FIELD BOOK NO., FIELD BOOK PG. NO., FIELD CREW, DRAWN, REVIEWED, APPROVED, DATE, SCALE, FILE NO., DWG. NO. Values: 12-10-2021, 21-14 MA, 6, S.S.W., D.M.O., C.E.L., 2-16-2022, 1"=20', 03-210523-00, 1 OF 1

FILE NAME: \\Shared\Clients\Steeley\Washville\Cranston\BIDS\ComDoc\C1.1.dwg LAST SAVED BY: Pastarna, Oshelbo SAVED DATE: 6/26/2022 8:35 PM PLOTTED: 9/23/2022 2:10 PM



DEMOLITION SITE PLAN

SCALE: 1" = 20'-0"



DEMOLITION SITE PLAN KEYNOTES:

- 1 DISCONNECT AND TERMINATE ALL BUILDING UTILITIES AS REQUIRED BY CODE PRIOR TO STARTING DEMOLITION ACTIVITIES.
- 2 REMOVE AND DISPOSE OF BUILDING AND FOUNDATIONS AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.
- 3 SAWCUT, REMOVE AND DISPOSE OF SITE PAVEMENT AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.
- 4 SAWCUT, REMOVE AND DISPOSE OF CONCRETE WALK.
- 5 REMOVE AND DISPOSE OF SIGN, POLES, AND FOUNDATION, TERMINATE UTILITIES AS REQUIRED BY CODE.
- 6 DISCONNECT, REMOVE AND DISPOSE OF LIGHT FIXTURE, POLE AND FOUNDATION, TERMINATE UTILITIES AS REQUIRED BY CODE.
- 7 DISCONNECT, REMOVE AND DISPOSE OF UNDERGROUND TELEPHONE LINE.
- 8 REMOVE AND DISPOSE OF CONCRETE PAD.
- 9 DISCONNECT, REMOVE AND DISPOSE OF CONDUIT AND WIRING FROM TRANSFORMER TO BUILDING.
- 10 REMOVE AND DISPOSE OF GAS METER AND PORTION OF GAS LINE TO EXISTING BUILDING. COORDINATE WITH GAS COMPANY.
- 11 REMOVE AND DISPOSE OF CONCRETE CURB.
- 12 REMOVE AND DISPOSE OF EXISTING FENCE.

BID ALTERNATE

GC TO PROVIDE A BID ALTERNATE TO PATCH, CLEAN, AND REUSE EXISTING STORM STRUCTURES.

sevan ENGINEERING

Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
734.367.4445 Telephone

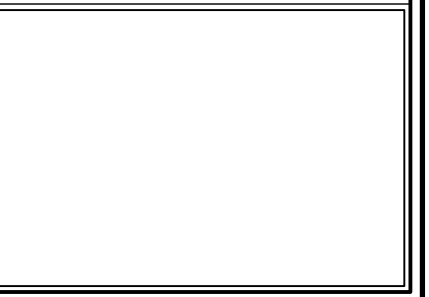
Corporate Office:
3025 Highland Parkway, Suite 850
Downers Grove, IL 60515
Info@sevan.com www.sevan.com

INTEGRITY | RESPECT | TEAMWORK | EXCELLENCE | CHARITY

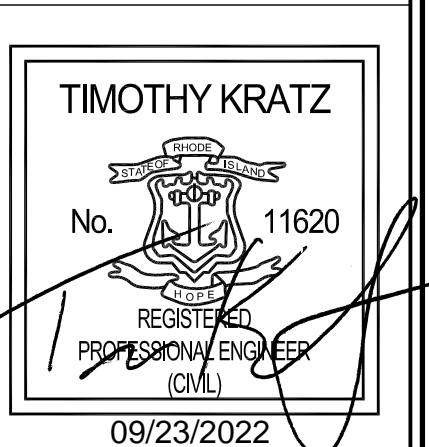
REVISIONS

NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
2	07.14.2022	REVISED PER RIDEM AND RIDOT
3	08.09.2022	REVISED PER CITY REVIEW
4	09.23.2022	REVISED PER CITY REVIEW

CONSULTANT



SEAL



CUSTOMER



PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

**1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920**
(PROVIDENCE COUNTY)

SHEET TITLE

DEMOLITION SITE PLAN

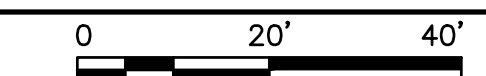
SHEET MANAGEMENT

PROJECT NO.: CRANSTON
DATE: -
CRITERIA: 110' TUNNEL
PROJECT MANAGER: -

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SHEET NUMBER

C1.10



FILE NAME: \\Share\clients\Steeley\Washville\Cranston R\105\ComDoc\C1.11.dwg LAST SAVED BY: Patrana, Oshelob SAVED DATE: 8/9/2022 10:38 AM PLOTTED: 9/23/2022 2:10 PM

SOIL EROSION AND SEDIMENT CONTROL AND MAINTENANCE NOTES:

- A SOIL EROSION AND SEDIMENTATION CONTROL PERMIT, OR SIMILAR PERMIT FROM THE JURISDICTIONAL AUTHORITY, MUST BE SECURED AND POSTED ON-SITE PRIOR TO ANY EARTH CHANGES.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE JURISDICTIONAL AUTHORITY.
- EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- THE GENERAL CONTRACTOR SHALL STAGE ALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) WORK AS DIRECTED IN THE DRAWINGS AND PROJECT MANUAL, AND AS OTHERWISE NECESSARY OR APPROPRIATE TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF SESC DEVICES.
- THE GENERAL CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SESC MEASURES AS SHOWN IN THE DRAWINGS AND PROJECT MANUAL BEFORE, AND AT ALL TIMES DURING, THE CONSTRUCTION OF THIS PROJECT. ANY MODIFICATIONS OR ADDITIONS TO SESC MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE COMPLIED WITH AS REQUIRED OR AS DIRECTED BY THE JURISDICTIONAL AUTHORITY.
- IF ANY OF THE SESC MEASURES ON THE SITE ARE DEEMED INADEQUATE OR INEFFECTIVE, THE JURISDICTIONAL AUTHORITY HAS THE RIGHT TO REQUIRE ADDITIONAL SESC MEASURES AT THE EXPENSE OF THE GENERAL CONTRACTOR.
- THE GENERAL CONTRACTOR SHALL INSPECT THE SESC DEVICES ONCE A WEEK UNDER ANY CIRCUMSTANCES, WITHIN 24 HOURS OF RAINFALL, AND DAILY DURING A PROLONGED RAIN EVENT. A LOG OF INSPECTION REPORTS SHALL BE MAINTAINED AND ACCESSIBLE IN ACCORDANCE WITH NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. ANY REQUIRED MAINTENANCE SHALL BE PROVIDED PROMPTLY.
- INSTALL SILT FENCE AS INDICATED IN THE DRAWINGS AND PROJECT MANUAL, PER ATTACHED DETAILS, AND AT ADDITIONAL AFFECTED AREAS AS NECESSARY.
 - SILT FENCE SHALL BE INSPECTED ONCE A WEEK UNDER ANY CIRCUMSTANCES, WITHIN 24 HOURS OF RAINFALL, AND DAILY DURING A PROLONGED RAIN EVENT. REQUIRED MAINTENANCE SHALL BE PROVIDED PROMPTLY.
 - BUILD-UP OF SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ACCUMULATED TO 1/3 OF THE HEIGHT OF THE SILT FENCE.
 - IF SILT FENCE DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF EXPECTED USABLE LIFE AND THE BARRIER IS STILL REQUIRED, THE SILT FENCE SHALL BE REPLACED PROMPTLY.
- INSTALL INLET FILTERS ON ALL PAVEMENT CATCH BASINS PER DETAIL.
 - INLET FILTERS SHALL BE INSPECTED ONCE A WEEK UNDER ANY CIRCUMSTANCES, WITHIN 24 HOURS OF RAINFALL, AND DAILY DURING A PROLONGED RAIN EVENT. REQUIRED MAINTENANCE SHALL BE PROVIDED PROMPTLY.
 - BUILD-UP OF SEDIMENT AND DEBRIS SHALL BE REMOVED PROMPTLY.
 - IF FILTER FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF EXPECTED USABLE LIFE AND THE BARRIER IS STILL REQUIRED, THE FILTER FABRIC SHALL BE REPLACED PROMPTLY.
- INSTALL DRAIN GUARD ON ALL CATCH BASINS PER DETAIL, SEED OR SOD THE AREA BETWEEN THE SILT FENCE AND THE INLET.
 - DRAIN GUARDS SHALL BE INSPECTED ONCE A WEEK UNDER ANY CIRCUMSTANCES, WITHIN 24 HOURS OF RAINFALL, AND DAILY DURING A PROLONGED RAIN EVENT.
 - BUILD-UP OF SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ACCUMULATES TO 1/3 OF THE HEIGHT OF THE SILT FENCE.
 - IF FILTER FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF EXPECTED USABLE LIFE AND THE BARRIER IS STILL REQUIRED, THE FILTER FABRIC SHALL BE REPLACED PROMPTLY.
- ALL STOCKPILED SOILS SHALL BE MAINTAINED IN SUCH A WAY AS TO PREVENT EROSION FROM LEAVING THE SITE. SILT FENCE MUST BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE. IF THE STOCKPILE WILL BE ON SITE FOR MORE THAN 90 DAYS, THE STOCKPILE MUST BE SEED.
 - IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDING AREAS WITH UNWEATHERED SMALL GRAIN STRAW, SPREAD UNIFORMLY AT THE RATE OF 1 TO 2 TONS PER ACRE OR 100 POUNDS (2-3 BALES) PER 1000 SQUARE FEET.
 - THE MULCH SHOULD BE ANCHORED WITH DISC TYPE MULCH ANCHORING TOOL OR OTHER MEANS AS APPROVED BY THE JURISDICTIONAL AUTHORITY. MULCH MATTING MAY BE USED IN LIEU OF LOOSE MULCH.
- IF ANY PUMP-DRIVEN DEWATERING IS NEEDED, IT SHALL BE DISCHARGED THROUGH A FILTER BAG OVER A WELL-VEGETATED AREA. THE PUMP MUST DISCHARGE AT A NON-EROSIVE VELOCITY. IF NECESSARY, AN APPROVED ENERGY DISSIPATER MAY BE USED. IF ANY DEWATERING IS NEEDED OR ANTICIPATED, CONTRACTOR SHALL SUBMIT A DEWATERING PLAN FOR REVIEW.
- CONSTRUCTION ACCESS TO BE FROM THE EXISTING APPROACH, OR OTHER EXPRESSLY DESIGNATED AREA. NO ACCESS SHOULD BE MADE FROM ADJACENT PROPERTIES WITHOUT PRIOR CONSENT.
- ALL MUD, DIRT, AND DEBRIS TRACKED ONTO ANY ROADWAY SHALL BE REMOVED IMMEDIATELY BY THE GENERAL CONTRACTOR.
- STREETS AND/OR PARKING AREAS WILL BE SCRAPPED AND SWEEPED ON A DAILY BASIS BY THE GENERAL CONTRACTOR.
- ALL DISTURBED AREAS SHALL BE MAINTAINED FOR DUST CONTROL. SPRINKLING TANK TRUCKS SHALL BE AVAILABLE AT ALL TIMES AND USED ON HAUL ROADS, ON-SITE DISTURBED AREAS, AND OTHER AREAS WHERE DUST BECOMES A PROBLEM AS A RESULT OF CONSTRUCTION ACTIVITY.
- PERMANENT SESC MEASURES FOR ANY DISTURBED LAND AREA SHALL BE COMPLETED BY THE GENERAL CONTRACTOR WITHIN FIVE (5) CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER EARTH CHANGE ACTIVITY CEASES, TEMPORARY SESC MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. ALL TEMPORARY SESC MEASURES SHALL BE MAINTAINED UNTIL PERMANENT SESC MEASURES ARE IMPLEMENTED.
- THE GENERAL CONTRACTOR SHALL FINAL GRADE, ESTABLISH VEGETATION, AND/OR LANDSCAPE ALL DISTURBED AREAS NOT BUILT OR PAVED UPON.
- THE GENERAL CONTRACTOR SHALL REMOVE ALL TEMPORARY SESC DEVICES AFTER PERMANENT STABILIZATION IS ESTABLISHED.
- 3-4" OF TOPSOIL WILL BE USED WHERE VEGETATION IS REQUIRED.
- SLOPES STEEPER THAN 1V:6H (16%) SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS.

- EXISTING DRAINAGE OUTLET FOR SITE: OVERLAND FLOW TO OAKLAWN AVE. ROW STORM WATER MANAGEMENT SYSTEM
- PROPOSED DRAINAGE OUTLET FOR SITE: CAPTURE, TREAT, DETAIN, AND OUTLET AT A CONTROLLED RATE TO OAKLAWN AVE. ROW STORM WATER MANAGEMENT SYSTEM.
- TOTAL AREA OF DISTURBANCE: 1.09± AC
- SOIL TYPE(S): Ur : URBAN LAND
PD: PAXTON-URBAN LAND COMPLEX, 3 TO 15 PERCENT SLOPES

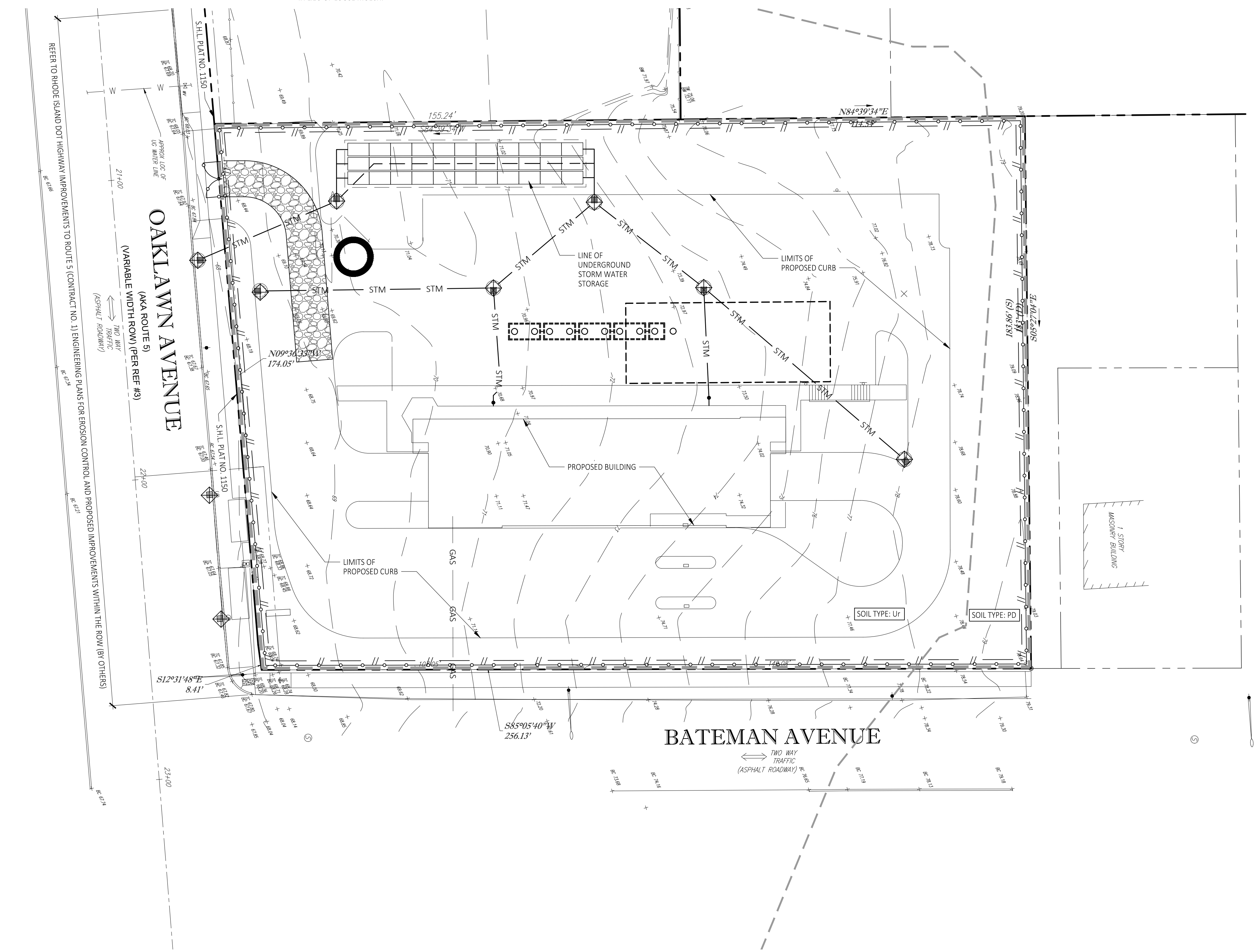
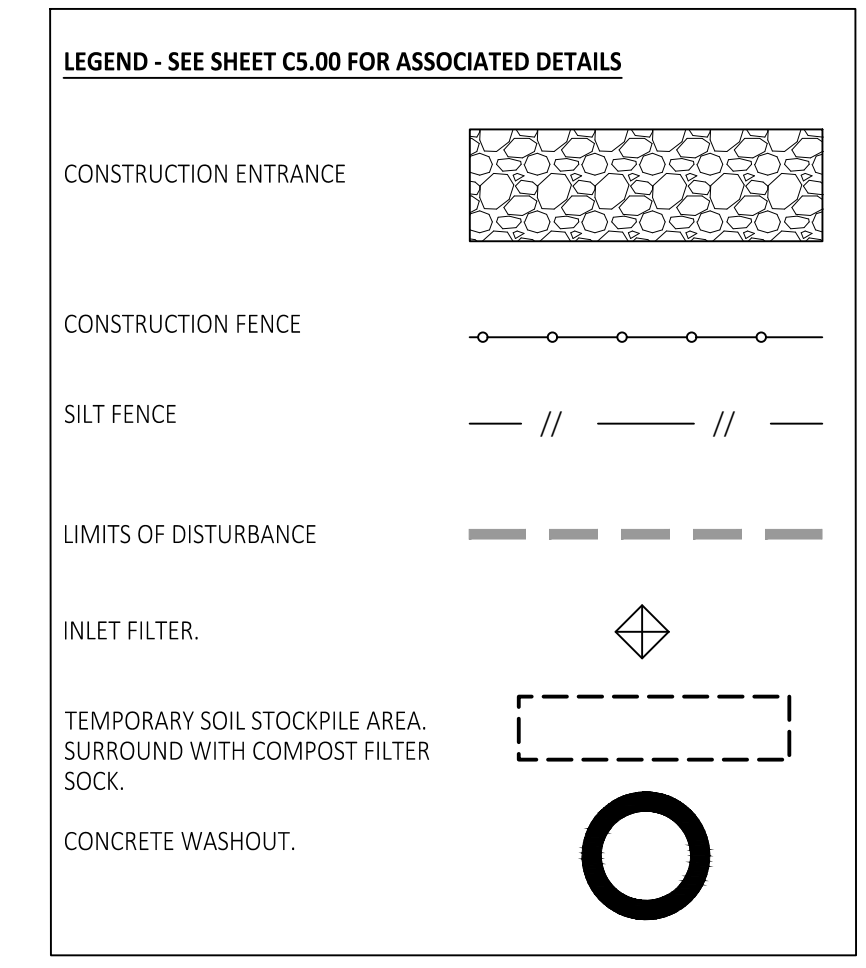
CONSTRUCTION SITE DEWATERING NOTES

TAKE CARE WHEN DEWATERING CONSTRUCTION SITES. DO NOT PUMP SEDIMENT-LADEN WATER DIRECTLY TO LAKES, STREAMS, COUNTY DRAINS, STORM DRAINS, WETLANDS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. THE PROPER WAY TO DEWATER A CONSTRUCTION SITE IS AS FOLLOWS:

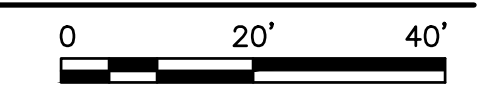
- PLACE A GEOTEXTILE FILTER BAG OR GEOTUBE ON THE END OF THE DISCHARGE HOSE.
- DISCHARGE DIRECTLY TO A SEDIMENT BASIN.
- DISCHARGE TO A WELL VEGETATED AREA (NOT WETLANDS).
- DISCHARGE INTO A CONSTRUCTED CONTAINMENT AREA.

DISSIPATE ENERGY TO PREVENT SCOURING, AND INSPECT DEWATERING OPERATIONS SEVERAL TIMES DAILY.

- CONSTRUCTION SEQUENCE:**
- INSTALL TRAFFIC AND PEDESTRIAN SAFETY BARRICADES.
 - INSTALL TEMPORARY EROSION CONTROL MEASURES. PROTECT ALL AREAS THAT COULD ALLOW SEDIMENT TO MIGRATE OFF-SITE VIA SURFACE RUNOFF. VIA ENCLOSED DRAINAGE SYSTEMS OR VIA TRACKING CAUSED BY CONSTRUCTION EQUIPMENT, ETC. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
 - COMPLETE REQUIRED REMOVALS AND LEGALLY DISPOSE OF DEBRIS AND WASTE OFF-SITE.
 - PERFORM MASS GRADING AND CONSTRUCT SITE IMPROVEMENTS.
 - DAILY OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DITCHES, SILT FENCING, SEDIMENT TRAPS, ETC. SEED AND MULCH AS REQUIRED.
 - INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES PER JURISDICTIONAL AUTHORITY REQUIREMENTS.
 - REMOVE TEMPORARY EROSION CONTROL MEASURES WHEN SITE IS STABILIZED.



SOIL EROSION AND SEDIMENTATION CONTROL SITE PLAN
SCALE: 1" = 20'-0"



CONSTRUCTION OPERATION TIME SCHEDULE	WEEK										
	2	4	6	8	10	12	14	16	18	20	22
1 INSTALL SESC MEASURES	█	█	█	█	█	█	█	█	█	█	█
2 DEMOLITION	█	█	█	█	█	█	█	█	█	█	█
3 EXCAVATION	█	█	█	█	█	█	█	█	█	█	█
4 BACKFILL	█	█	█	█	█	█	█	█	█	█	█
5 SESC MEASURES INSPECTIONS AND MAINTENANCE	█	█	█	█	█	█	█	█	█	█	█
6 COMPLETE EARTH MOVEMENTS	█	█	█	█	█	█	█	█	█	█	█
7 FINAL GRADING, SEEDING AND MULCHING	█	█	█	█	█	█	█	█	█	█	█

sevan ENGINEERING

Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
734.367.4445 Telephone

Corporate Office:
3025 Highland Parkway, Suite 850
Downers Grove, IL 60515
Info@sevan.com www.sevan.com

INTEGRITY | RESPECT | TEAMWORK | EXCELLENCE | CHARITY

REVISIONS		
NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
2	07.14.2022	REVISED PER RIDEM AND RIDOT
3	08.09.2022	REVISED PER CITY REVIEW
4	09.23.2022	REVISED PER CITY REVIEW

CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER

Washville
Your Hometown Car Wash

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920
(PROVIDENCE COUNTY)

SHEET TITLE

SOIL EROSION AND SEDIMENTATION CONTROL SITE PLAN

SHEET MANAGEMENT

PROJECT NO.: CRANSTON
DATE: -
CRITERIA: 110' TUNNEL
PROJECT MANAGER: -

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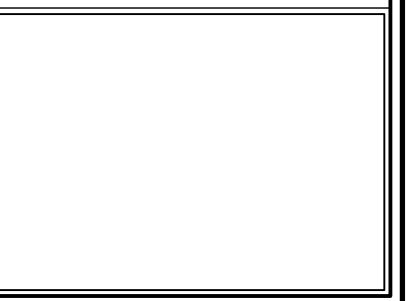
SHEET NUMBER

C1.11

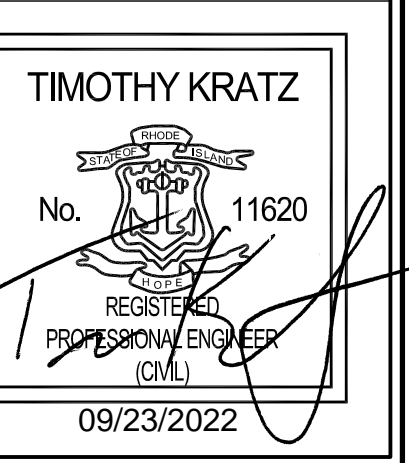
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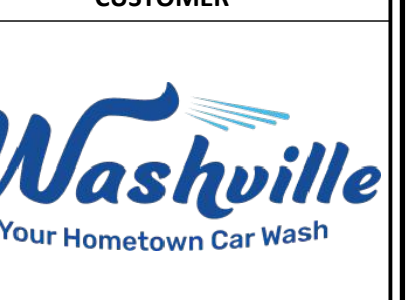
CONSULTANT



SEAL



CUSTOMER



PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

**1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920**
(PROVIDENCE COUNTY)

SHEET TITLE

DIMENSION SITE PLAN

SHEET MANAGEMENT

PROJECT NO.: CRANSTON
DATE: -
CRITERIA: 110' TUNNEL
PROJECT MANAGER: -
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SHEET NUMBER

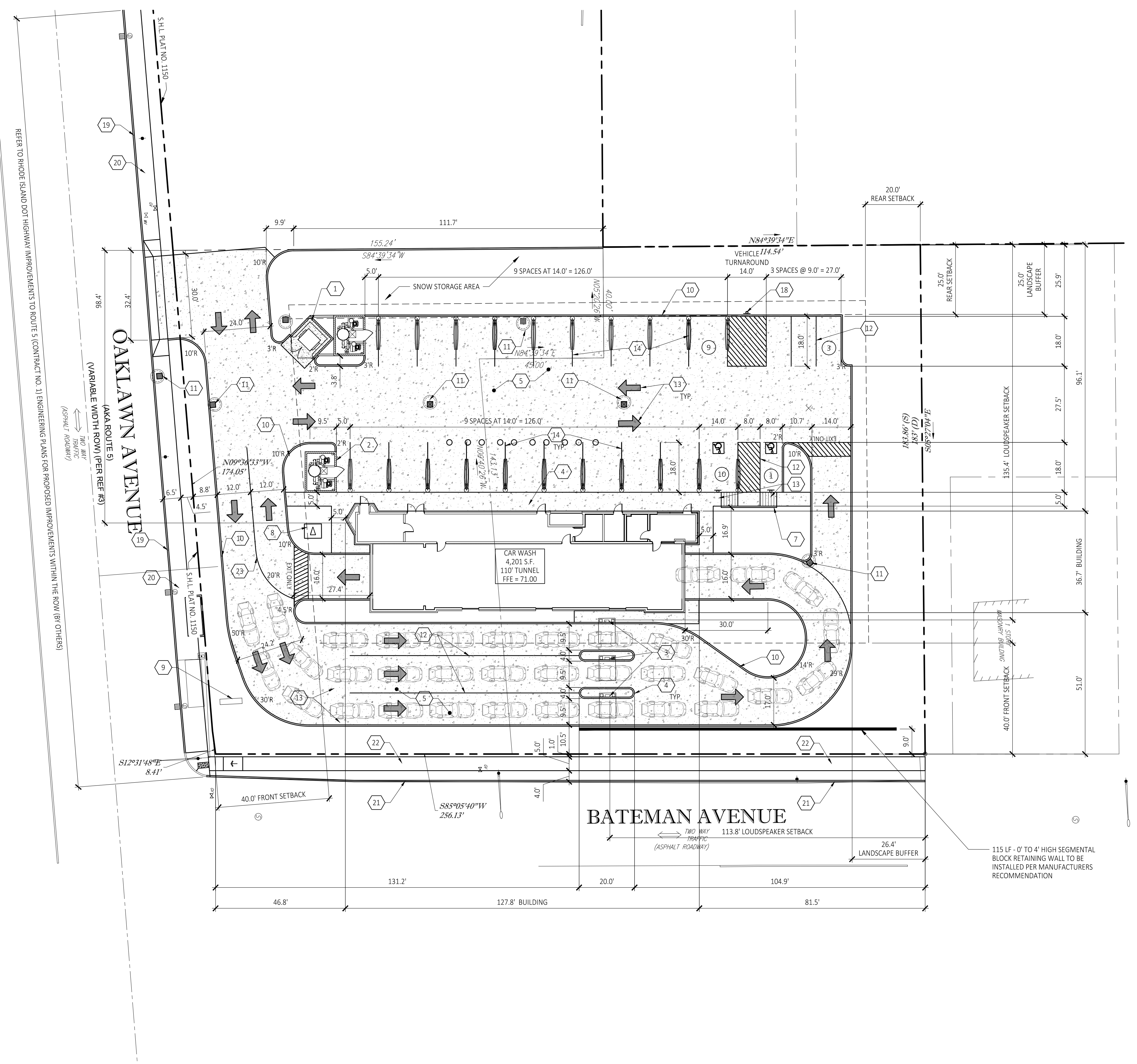
C1.20

PROPOSED SITE IMPROVEMENTS

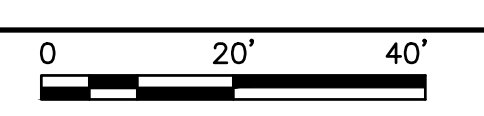
- VACUUM PRODUCER/TRASH ENCLOSURE, CONCRETE PAD AND PROTECTIVE BOLLARDS. SEE ARCH PLANS.
- VACUUM PRODUCER. SEE VENDOR PLANS.
- PAY STATION/CANOPY.
- PAY STATION ISLAND.
- CONCRETE PAVEMENT. SEE DETAILS 3/C5.01.
- CONCRETE SIDEWALK. WIDTH VARIES SEE PLAN.
- ACCESSIBLE CONCRETE CURB RAMP. SEE DETAIL 6/C5.01.
- TRANSFORMER PAD PER SERVICE PROVIDER SPECIFICATIONS.
- SITE ID SIGN.
- CONCRETE CURB. SEE DETAIL 7/C5.01.
- STORM WATER STRUCTURE. SEE STORM WATER MANAGEMENT PLAN C1.31.
- 4" PAINTED PARKING STRIPE. SEE DETAIL 9/C5.01.
- PAINTED DIRECTIONAL ARROW. SEE DETAIL 9/C5.01.
- VACUUM CANOPY. BY VENDOR.
- BARRIER-FREE PARKING STALL. SEE DETAIL 5/C5.01.
- BARRIER-FREE PARKING SIGNS. SEE DETAIL 8/C5.01.
- BARRIER-FREE ACCESSIBLE RAMP. SEE DETAIL 1/C5.02.
- "NO PARKING" SIGN.
- OAKLAWN ROW CONCRETE CURB. REFER TO RIDOT HIGHWAY IMPROVEMENT PLANS.
- OAKLAWN ROW CONCRETE SIDEWALK. REFER TO RIDOT HIGHWAY IMPROVEMENT PLANS.
- BATEMAN ROW CONCRETE CURB.
- BATEMAN ROW CONCRETE SIDEWALK.
- 4" PAINTED YELLOW LANE STRIPE

GENERAL SITE NOTES

- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
- NOTIFY OWNER OF ANY DISCREPANCIES.
- SEE SURVEY FOR ALL EXISTING CONDITIONS.
- ALL WORK IN PUBLIC RIGHT-OF-WAYS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS AND STANDARDS.



DIMENSION SITE PLAN
SCALE: 1" = 20'-0"

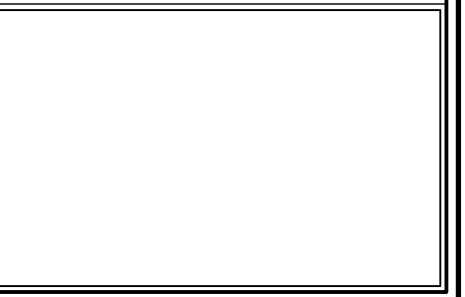


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REVISIONS

NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
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CONSULTANT



SEAL

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER



PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920
(PROVIDENCE COUNTY)

SHEET TITLE

GRADING PLAN

SHEET MANAGEMENT

PROJECT NO.:	CRANSTON
DATE:	-
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	-

SHEET NUMBER

C1.30

BENCHMARKS:

AS PER SURVEY NOTES:

SITE BENCHMARK 1: MAG NAIL SET IN POLE CE 43XS NYNEX 97 1/2
ELEV = 351.57

SITE SPECIFIC GRADING GENERAL NOTES:

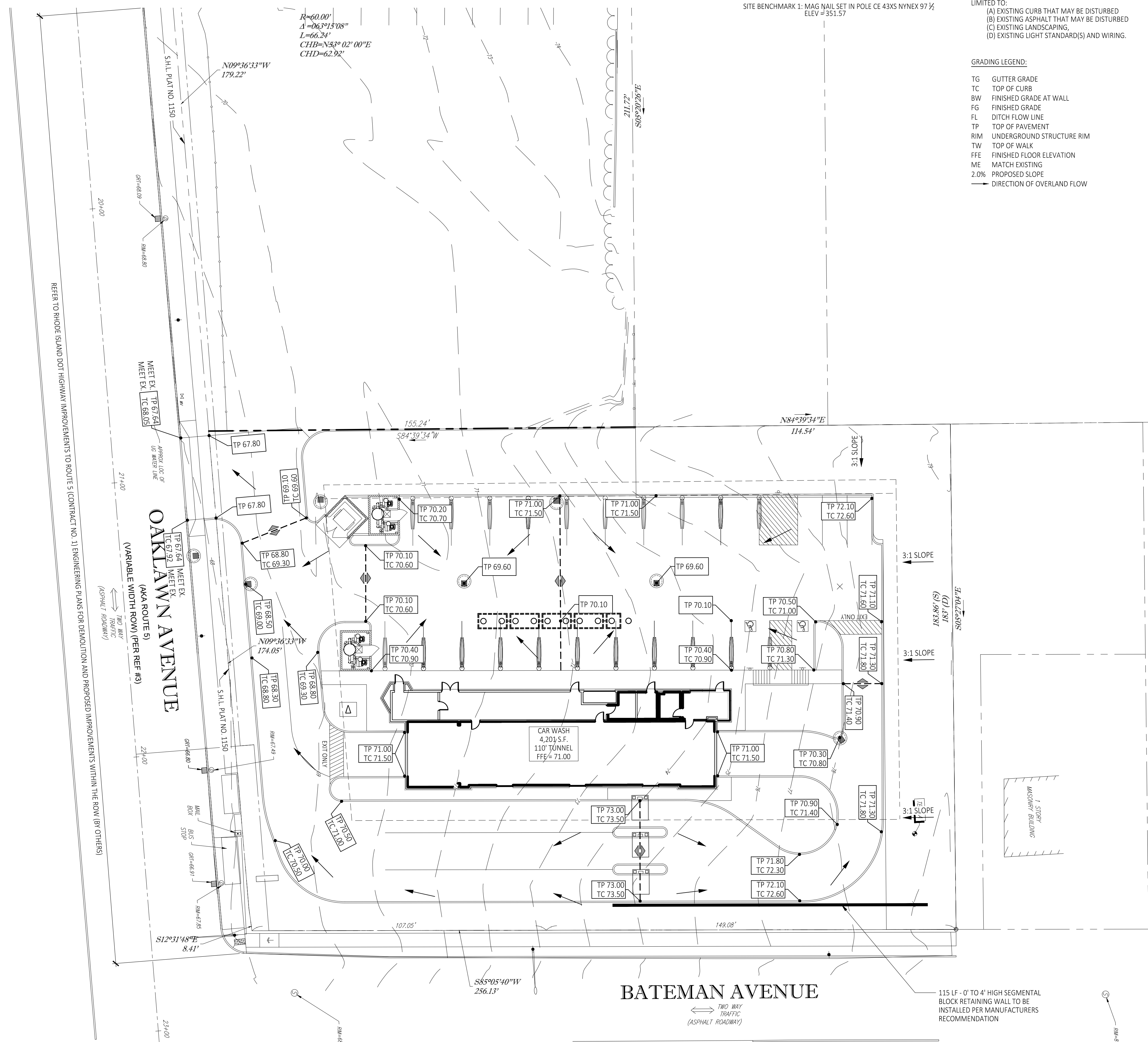
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY EXISTING SITE IMPROVEMENTS THAT MAY BE DISTURBED DURING CONSTRUCTION. THIS SHALL INCLUDE, AND IS NOT NECESSARILY LIMITED TO:
(A) EXISTING CURB THAT MAY BE DISTURBED
(B) EXISTING ASPHALT THAT MAY BE DISTURBED
(C) EXISTING LANDSCAPING,
(D) EXISTING LIGHT STANDARD(S) AND WIRING.

GRADING LEGEND:

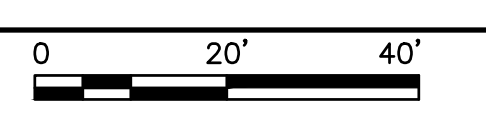
- TG GUTTER GRADE
- TC TOP OF CURB
- BW FINISHED GRADE AT WALL
- FG FINISHED GRADE
- FL DITCH FLOW LINE
- TP TOP OF PAVEMENT
- RIM UNDERGROUND STRUCTURE RIM
- TW TOP OF WALK
- FFE FINISHED FLOOR ELEVATION
- ME MATCH EXISTING
- 2.0% PROPOSED SLOPE
- DIRECTION OF OVERLAND FLOW

GRADING NOTES:

- VERIFY REQUIRED SPOT ELEVATIONS/GRADING IN THE VICINITY OF THE BUILDING WITH THE ARCHITECTURAL PLANS.
- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE WITH THE DRAWINGS AND PROJECT MANUAL, AND WITH LOCAL JURISDICTIONAL AUTHORITY STANDARDS AND SPECIFICATIONS.
- ALL PROPOSED SPOT ELEVATIONS IN PAVED AREAS ARE TO TOP OF PAVEMENT UNLESS NOTED OTHERWISE.
- THE PROJECT SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES, ENSURING NO AREAS OF STANDING WATER.
- THE GENERAL CONTRACTOR SHALL, AT HIS OR HER EXPENSE, RESTORE ANY AND ALL STRUCTURES, PIPE, UTILITY, PAVEMENT, CURB, SIDEWALK, LANDSCAPED AREA, ETC. DISTURBED WITHIN THE SITE AND/OR ADJOINING PROPERTIES DURING DEMOLITION OR CONSTRUCTION. SUCH FACILITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE AFFECTED OWNER(S).
- UNDERDRAINS MAY BE ADDED, IF DETERMINED NECESSARY BY THE GENERAL CONTRACTOR AND AUTHORIZED BY THE OWNER'S REPRESENTATIVE, AFTER SUBGRADE IS ROUGH GRADED.
- UNLESS OTHERWISE EXPRESSLY INDICATED HEREON, FINISHED GRADES ARE TO MATCH ADJACENT EXISTING GRADES.
- THE GENERAL CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. SEE SESC PLAN ON SHEET C1.11 FOR LIMIT OF DISTURBANCE. PROTECT EXISTING TREES TO REMAIN WITH TEMPORARY FENCING PLACED AT THE DRIP LINE. NO GROUND DISTURBANCE OR STORAGE OF MATERIAL SHALL OCCUR WITHIN THE DRIP LINE LIMITS, UNLESS HEREON EXPRESSLY INDICATED OTHERWISE.
- ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS AND MATERIALS OF CONSTRUCTION TO COMPLETE THE CONSTRUCTION PER THE DRAWINGS AND PROJECT MANUAL. ADDITIONALLY, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE OFF-SITE DISPOSAL OF EXCESS OR UNSUITABLE MATERIAL, AS WELL AS THE IMPORTATION OF ANY BORROW MATERIAL NECESSARY TO COMPLETE THE PROJECT.
- PER TOWNSHIP STANDARDS, ALL STORMWATER RUNOFF SHALL BE CONTAINED AND COLLECTED ON-SITE TO BE CONVEYED UNDERGROUND TO THE EXISTING STORMWATER MANAGEMENT SYSTEM.



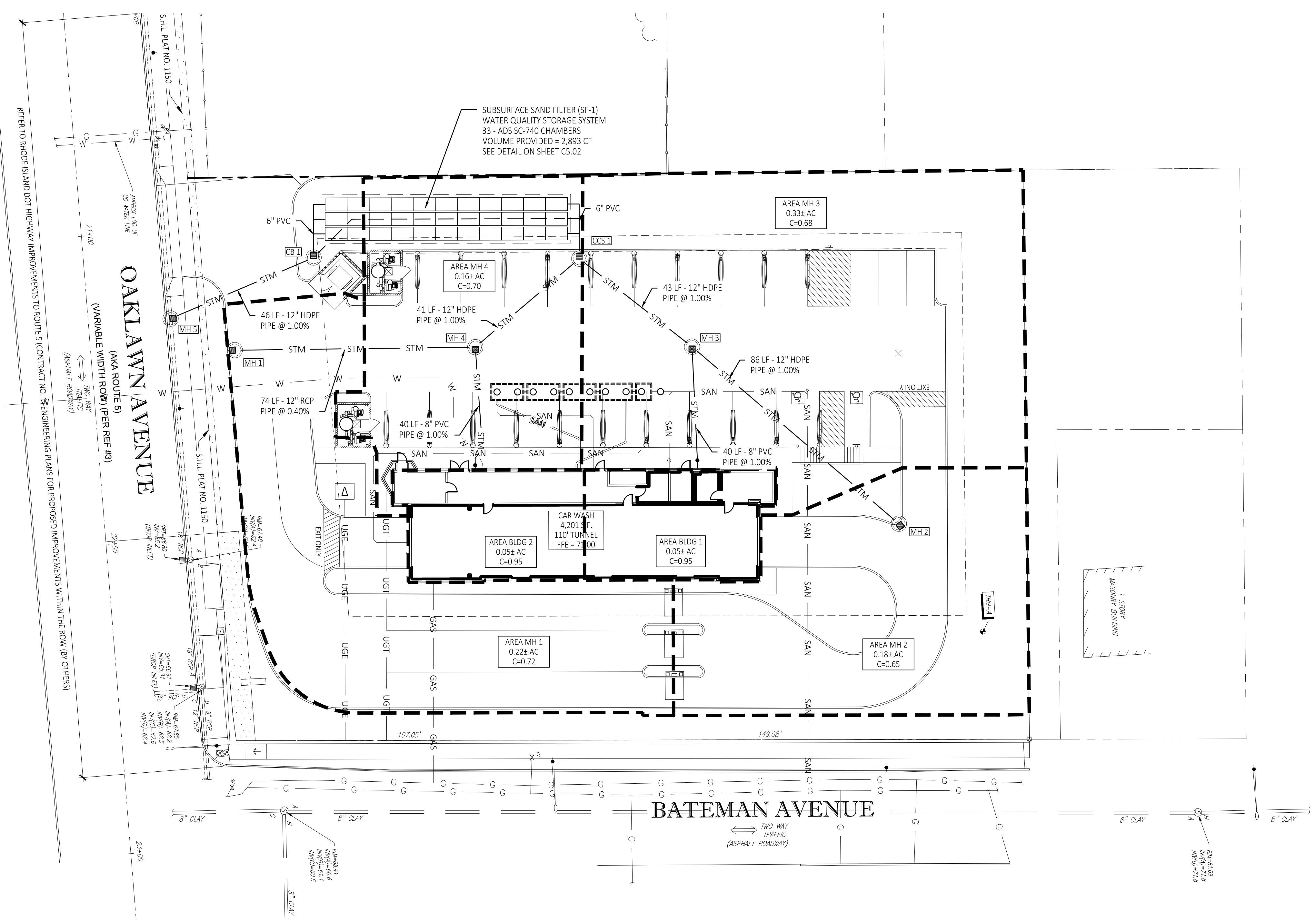
GRADING PLAN
SCALE: 1" = 20'-0"



FILE NAME: \\S:\Shared\Clients\Steele\Washville\Cranston R\103\ComDoc\C1.30.dwg LAST SAVED BY: Patricia_Ovaldo SAVED DATE: 9/23/2022 2:04 PM PLOTTED: 9/23/2022 2:11 PM

PROPOSED:		EXISTING:	
STORM SEWER	STM	PROPERTY LINE	EDGE OF WOODS
ROOF DRAIN	RD	EDGE OF PAVEMENT	CONCRETE
SANITARY SEWER	SAN	EDGE OF GRAVEL	MONITORING WELL
WATER MAIN/SERVICE	W	OVERHEAD UTILITY LINES	IRON PIPE OR REBAR
GAS MAIN/SERVICE	GAS	DRAINAGE LINE	GRANITE OR CONCRETE BOUND (GB OR CB)
ELECTRIC SERVICE	UGE	SEWER LINE	UTILITY POLE
TELEPHONE SERVICE	UGT	GAS LINE	SEWER MANHOLE
OVERHEAD UTILITIES	OH	TEL. LINE	DRAIN MANHOLE
PROPOSED UTILITIES BY OTHERS	STM	UNDERGROUND ELECT.	CATCH BASIN
STORM MANHOLE	STM	DOUBLE YELLOW LINE	WATER SHUTOFF
CATCH BASIN	CB	SINGLE WHITE LINE	WATER VALVE
YARD BASIN	YB	VERTICAL OR SLOPED GRANITE CURB	GAS SHUTOFF
FLARED END SECTION	FES	IRRIGATION CONTROL VALVE	
SANITARY MANHOLE	SMH		
SANITARY CLEANOUT	SC		
TRANSFORMER	TR		
LIGHT POLE	LP		
WATER VALVE	WV		
FIRE HYDRANT	FH		

LEGEND



STRUCTURE TABLE				
NAME:	DETAILS:	DESCRIPTION:	N	E
MH 1	RIM = 68.50 12" E INV OUT = 66.00	4' Diameter Concentric Cylindrical Manhole Structure with Open Lid Frame and Cover	334324.62	236805.32
MH 2	RIM = 70.30 12" NW INV OUT = 67.30	4' Diameter Concentric Cylindrical Manhole Structure with Open Lid Frame and Cover	334543.35	236763.43
MH 3	RIM = 69.60 8" SE INV IN = 66.64 12" SE INV IN = 66.44 12" NW INV OUT = 66.44	4' Diameter Concentric Cylindrical Manhole Structure with Open Lid Frame and Cover	334471.82	236817.37
MH 4	RIM = 69.60 8" SE INV IN = 66.60 12" SW INV IN = 65.70 12" NE INV OUT = 65.70	4' Diameter Concentric Cylindrical Manhole Structure Open Lid Frame and Cover	334402.08	236811.38
CB 1	RIM = 69.80 6" N INV IN = 67.50 4" NE INV IN = 63.50 12" SW INV OUT = 63.50	4' Diameter Concentric Cylindrical Catch Basin Structure	334347.31	236836.08
CCS 1	RIM = 71.00 12" SE INV IN = 66.01 12" SW INV IN = 65.54 6" N INV OUT = 65.50	Contech Cascade Separator Model CS-4 with Solid Lid Frame and Cover; See Detail on Sheet CS.02	334433.08	236843.41
MH 5	RIM = 67.77 12" NE INV IN = 63.04 EX 18" SE INV IN = 62.94	4' Diameter Concentric Cylindrical Manhole Structure with Solid Lid Frame and Cover; Construct Over Ex 18" RCP Storm Sewer; Lat: 41.733274, Long: -71.477235	334303.13	236813.72

STRUCTURE TABLE

UTILITY EASEMENT NOTE:
REFER TO THE BOUNDARY/TOPOGRAPHIC SURVEY PREPARED BY CONTROL POINT ASSOCIATES, INC. FOR INFORMATION REGARDING EXISTING EASEMENTS.

UTILITY CROSSING NOTE:
SEE SHEET C1.40 FOR UTILITY CROSSINGS.

- STORM STRUCTURE NOTES:**
- SEE DETAILS ON SHEET CS.02.
 - ALL STORM STRUCTURES TO BE INSTALLED IN ACCORDANCE WITH LOCAL STANDARDS AND DETAILS UNLESS NOTED OTHERWISE.
 - PROVIDE INLET FILTERS FOR ALL INLETS. FILTER SHALL BE REGULARLY MAINTAINED AND REMAIN IN PLACE UNTIL FINAL GRADES HAVE BEEN ESTABLISHED. REFER TO SHEET C1.11.
 - ALL STRUCTURE FRAME AND GRATES TO BE STANDARD UNLESS NOTED OTHERWISE.
 - NORTHING AND EASTING PER COORDINATE SYSTEM PROVIDED IN THE SURVEY AUTOCAD FILE PROVIDED BY RICHARD D. BARTLETT & ASSOCIATES, LLC.
 - ALL CATCH BASINS AND INLETS SHALL HAVE UNDERDRAINS INSTALLED, WRAPPED IN GEOTEXTILE AND PLACED IN THE SEWER TRENCH, NOT MORE THAN 3 FEET BELOW THE TOP OF THE CASTING.

sevan ENGINEERING
Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
734.367.4445 Telephone

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REVISIONS

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CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER

Washville
Your Hometown Car Wash

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920
(PROVIDENCE COUNTY)

SHEET TITLE

STORM WATER
MANAGEMENT PLAN

SHEET MANAGEMENT

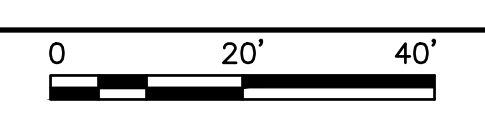
PROJECT NO.:	CRANSTON
DATE:	
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	

SHEET NUMBER

C1.31

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STORM WATER MANAGEMENT PLAN
SCALE: 1" = 20'-0"



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CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER



PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920
(PROVIDENCE COUNTY)

SHEET TITLE

UTILITY PLAN

SHEET MANAGEMENT

PROJECT NO.:	CRANSTON
DATE:	-
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	-

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SHEET NUMBER

C1.40

PROPOSED:	EXISTING:		
STORM SEWER	STM	PROPERTY LINE	EDGE OF WOODS
ROOF DRAIN	RD	EDGE OF PAVEMENT	CONCRETE
SANITARY SEWER	SAN	EDGE OF GRAVEL	MONITORING WELL
WATER MAIN/SERVICE	W	OVERHEAD UTILITY LINES	IRON PIPE OR REBAR
GAS MAIN/SERVICE	G	DRAINAGE LINE	GRANITE OR CONCRETE BOUND (GB OR CB)
ELECTRIC SERVICE	UGE	SEWER LINE	UTILITY POLE
TELEPHONE SERVICE	UGT	GAS LINE	SEWER MANHOLE
OVERHEAD UTILITIES	OH	TEL. LINE	DRAIN MANHOLE
PROPOSED UTILITIES BY OTHERS	STM	UNDERGROUND ELECT.	CATCH BASIN
STORM MANHOLE	SM	DOUBLE YELLOW LINE	HYDRANT
CATCH BASIN	CB	SINGLE WHITE LINE	WATER SHUTOFF
YARD BASIN	YB	VOC OR SGC	WATER VALVE
FLARED END SECTION	FE	VERTICAL OR SLOPED GRANITE CURB	GAS SHUTOFF
SANITARY MANHOLE	SMH	IRRIGATION CONTROL VALVE	
SANITARY CLEANOUT	SCO		
TRANSFORMER	TR		
LIGHT POLE	LP		
WATER VALVE	WV		
FIRE HYDRANT	FH		

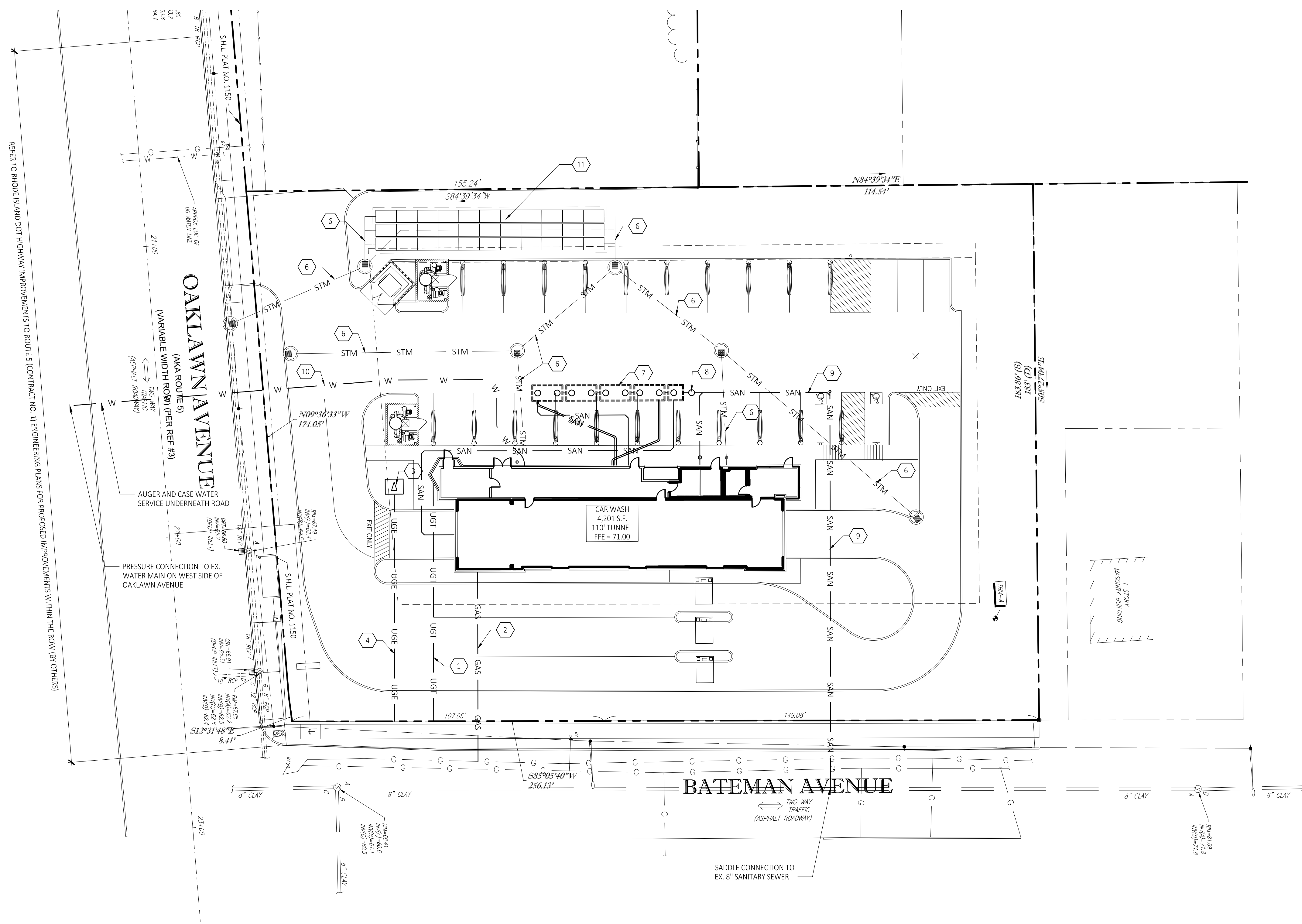
LEGEND

NOTE: (*)
SANITARY CONNECTION INVERT BASED ON MINIMUM SLOPE. GC TO VERIFY EXISTING SANITARY LEAD INVERT DURING CONSTRUCTION AND NOTIFY OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES.

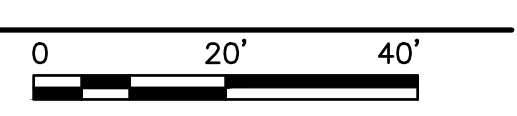
UTILITY EASEMENT NOTE:
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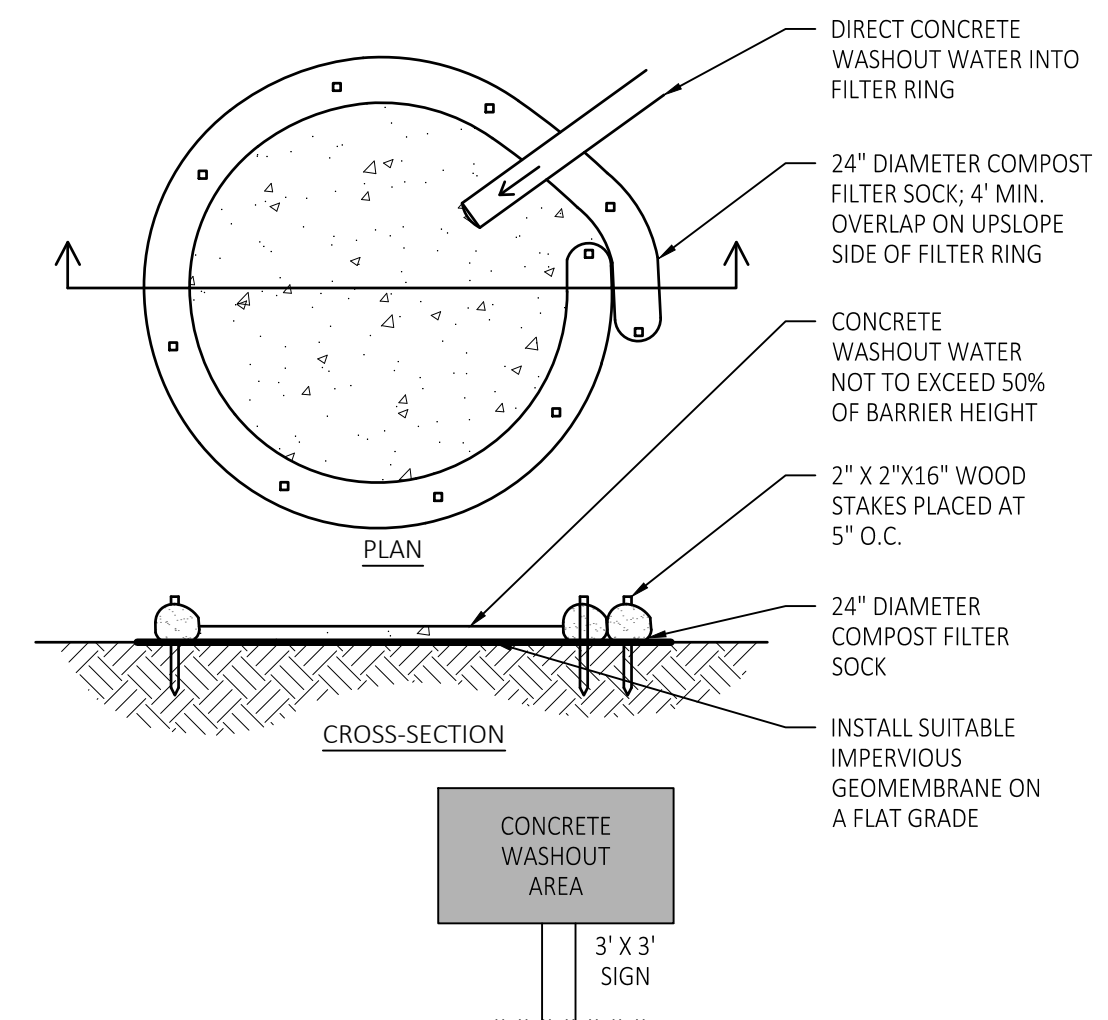
DRY UTILITY NOTE:
THE ROUTING FOR TELECOMMUNICATIONS, NATURAL GAS, AND ELECTRIC, IF SHOWN, IS FOR SCHEMATIC PURPOSES ONLY. THE GENERAL CONTRACTOR SHALL CONTACT THE INDIVIDUAL UTILITY COMPANIES TO DETERMINE ACTUAL ROUTE FOR SERVICING THE BUILDING AND COORDINATE THEIR CONSTRUCTION.

- (X) PROPOSED UTILITY KEYED NOTES**
- TELECOMMUNICATION SERVICE.
 - NATURAL GAS SERVICE.
 - GENERAL CONTRACTOR TO PROVIDE AND INSTALL TRANSFORMER PAD PER SERVICE PROVIDER SPECIFICATIONS RELATING TO LOCATION CONDUIT STUB-UP LOCATIONS, PAD SIZE AND OBSTRUCTION CLEARANCE.
 - ELECTRIC SERVICE
 - SITE LIGHT. SEE ARCHITECTURAL SHEETS AND SITE ELECTRICAL PLAN FOR CIRCUITING AND LIGHT POLE BASE DETAILS. SEE SITE PHOTOMETRIC PLAN.
 - STORM SEWER. SEE SHEET C1.31 FOR PIPE DIAMETER AND SLOPE.
 - WATER RECLAMATION SYSTEM. SEE ARCHITECTURAL AND PLUMBING PLANS.
 - SAMPLE BOX. SEE ARCHITECTURAL AND PLUMBING PLANS.
 - PROVIDE AND INSTALL 6" PVC SDR-26 SANITARY SERVICE AT 1% SLOPE WITH CLEANOUTS 5.0' OUTSIDE OF FOUNDATION AND AT EVERY HORIZONTAL AND VERTICAL BEND. TIE INTO EXISTING SANITARY LINE. MAKE CONNECTION TO EXISTING SANITARY LEAD PER MUNICIPAL STANDARDS.
 - PROVIDE AND INSTALL 3" DUCTILE IRON PIPE WATER SERVICE LINE (MIN. DEPTH 5.0'). PROVIDE 18" CLEARANCE AT ALL UTILITY CROSSINGS. MAKE CONNECTION AT EXISTING SERVICE LEAD PER MUNICIPAL STANDARDS.
 - SUBSURFACE SAND FILTER SYSTEM. SEE SHEET CS.02 FOR DETAILS.



UTILITY PLAN
SCALE: 1" = 20'-0"

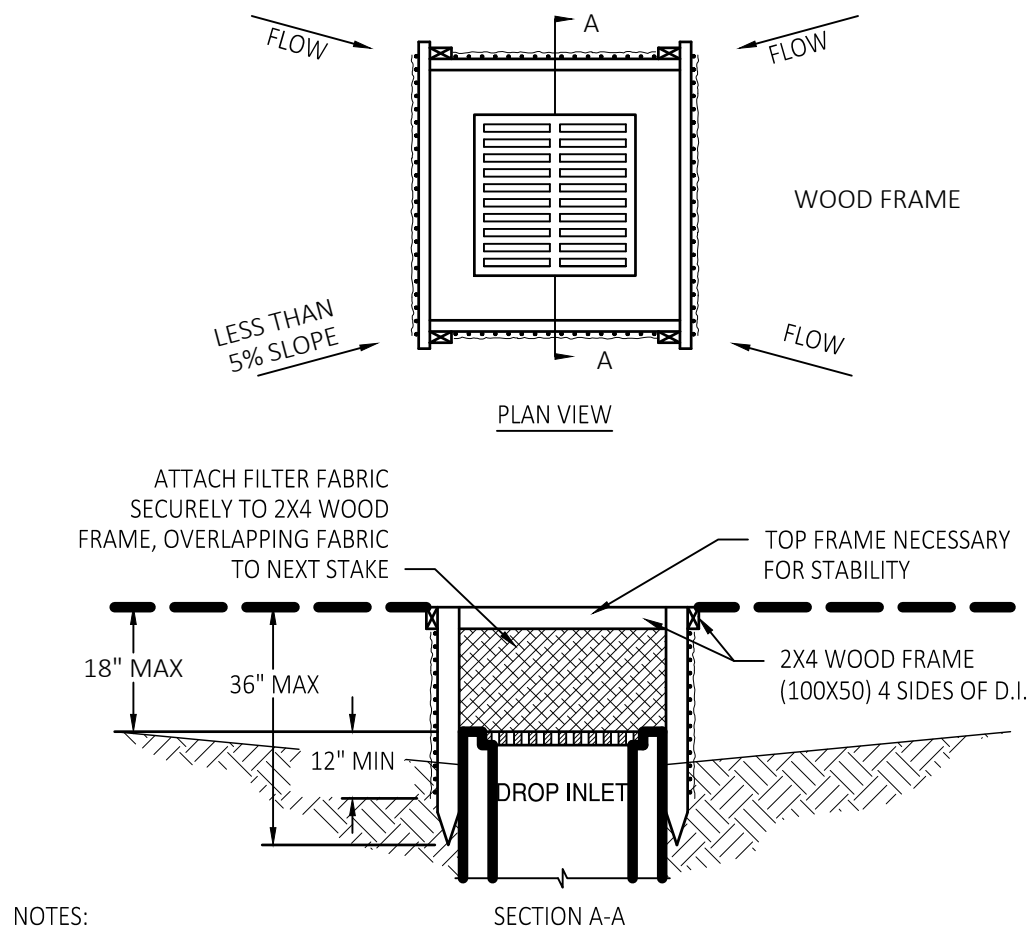




NOTES:
1. ACTUAL LAYOUT AND SIGN PLACEMENT TO BE DETERMINED IN THE FIELD.
2. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
3. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

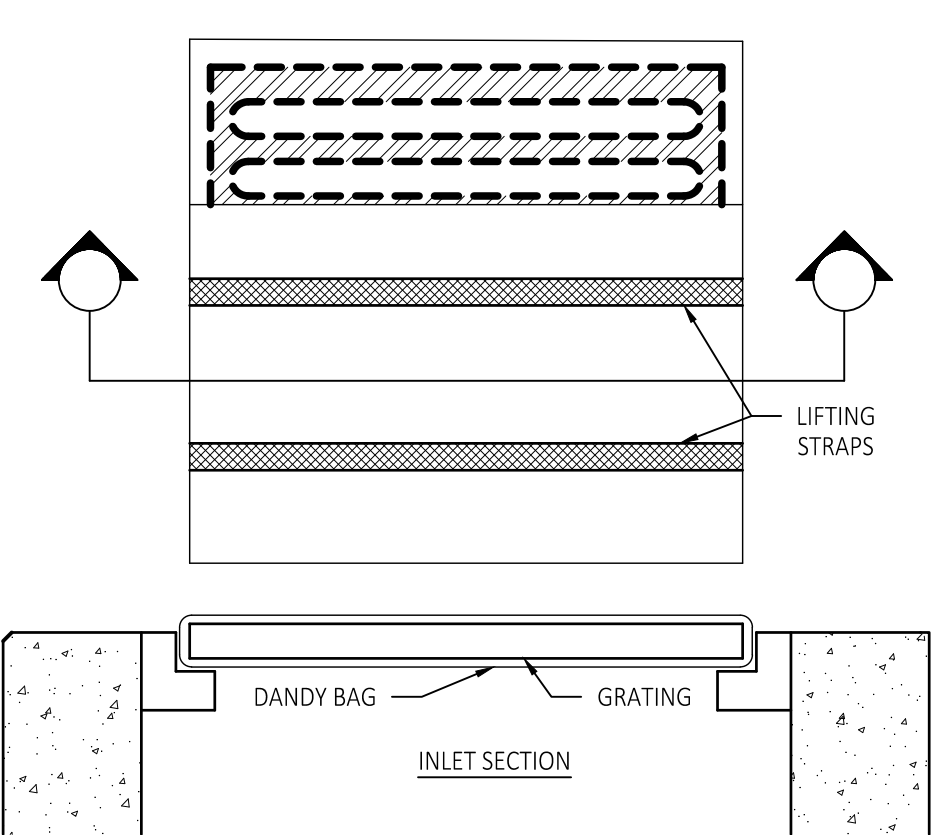
CONCRETE WASHOUT AREA
3' X 3' SIGN
WWW.WWW

1 CONCRETE WASH DETAIL
SCALE: NONE



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE 2"x4" WOOD OR EQUIVALENT METAL STAKES, 3' (1M) MINIMUM LENGTH.
3. INSTALL 2"x4" WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

2 SILT FENCE INLET FILTER
SCALE: NONE

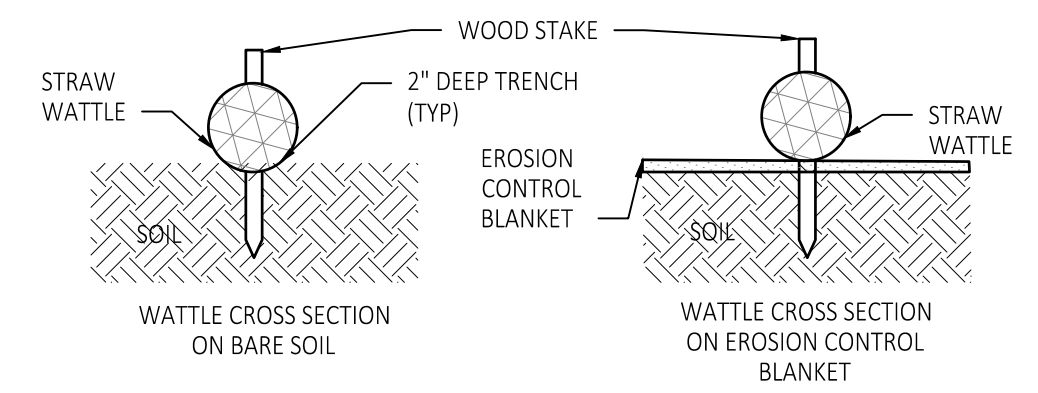


INSTALLATION:
STAND GRATE ON END. PLACE DANDY BAG OVER GRATE. ROLL GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

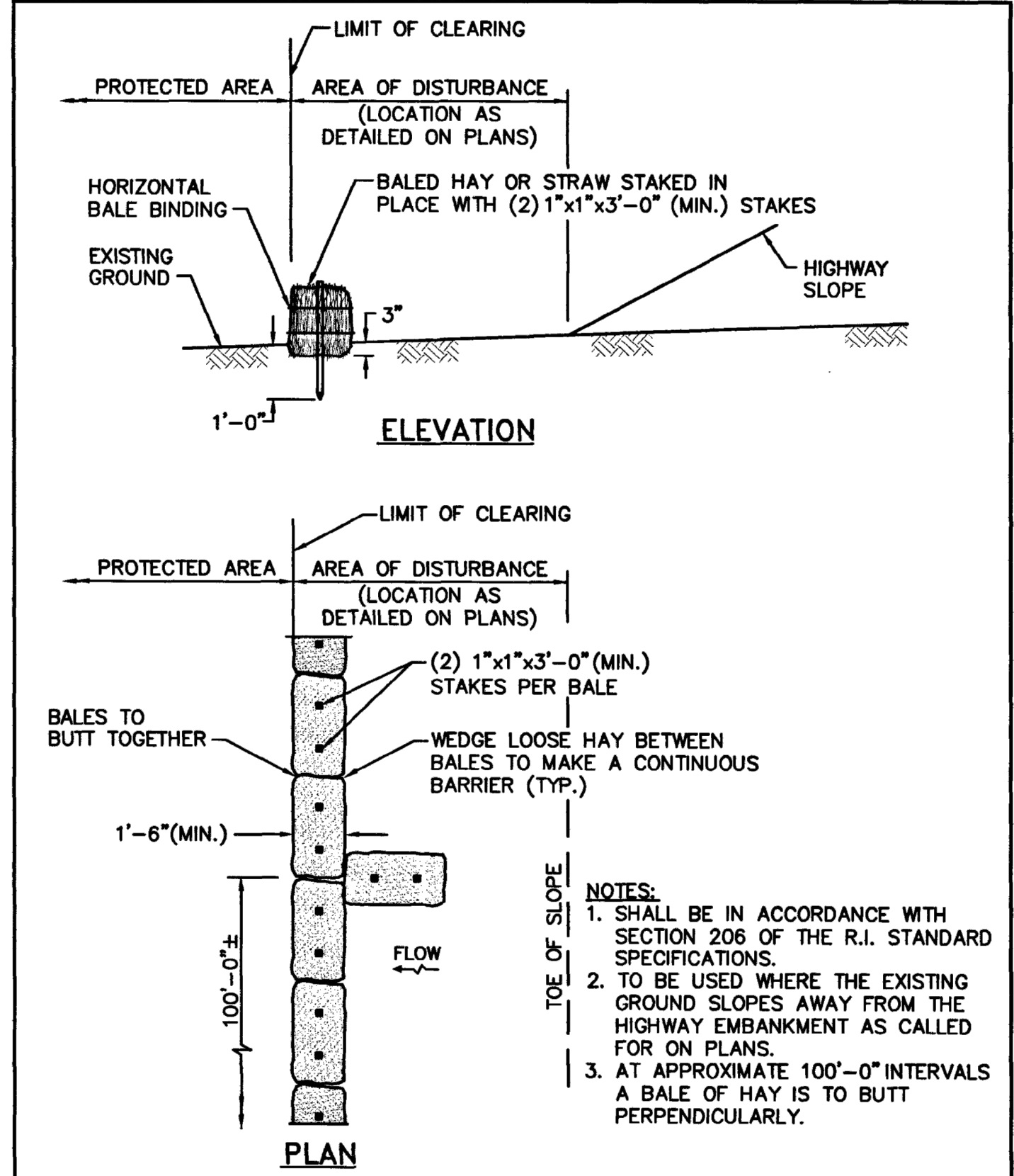
MAINTENANCE:
WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT.

PRE-MANUFACTURED

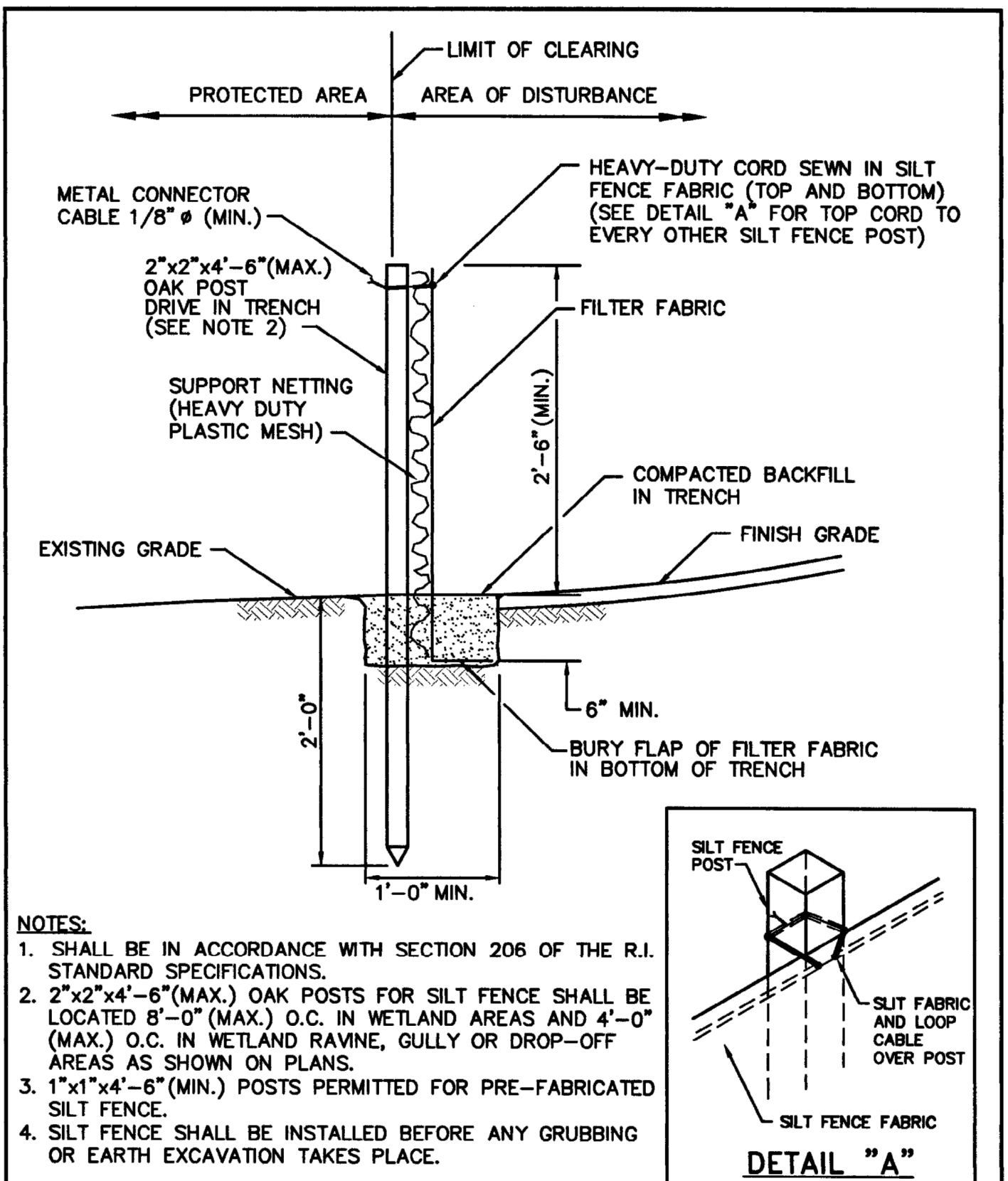
3 INLET PROTECTION DETAILS
SCALE: NONE



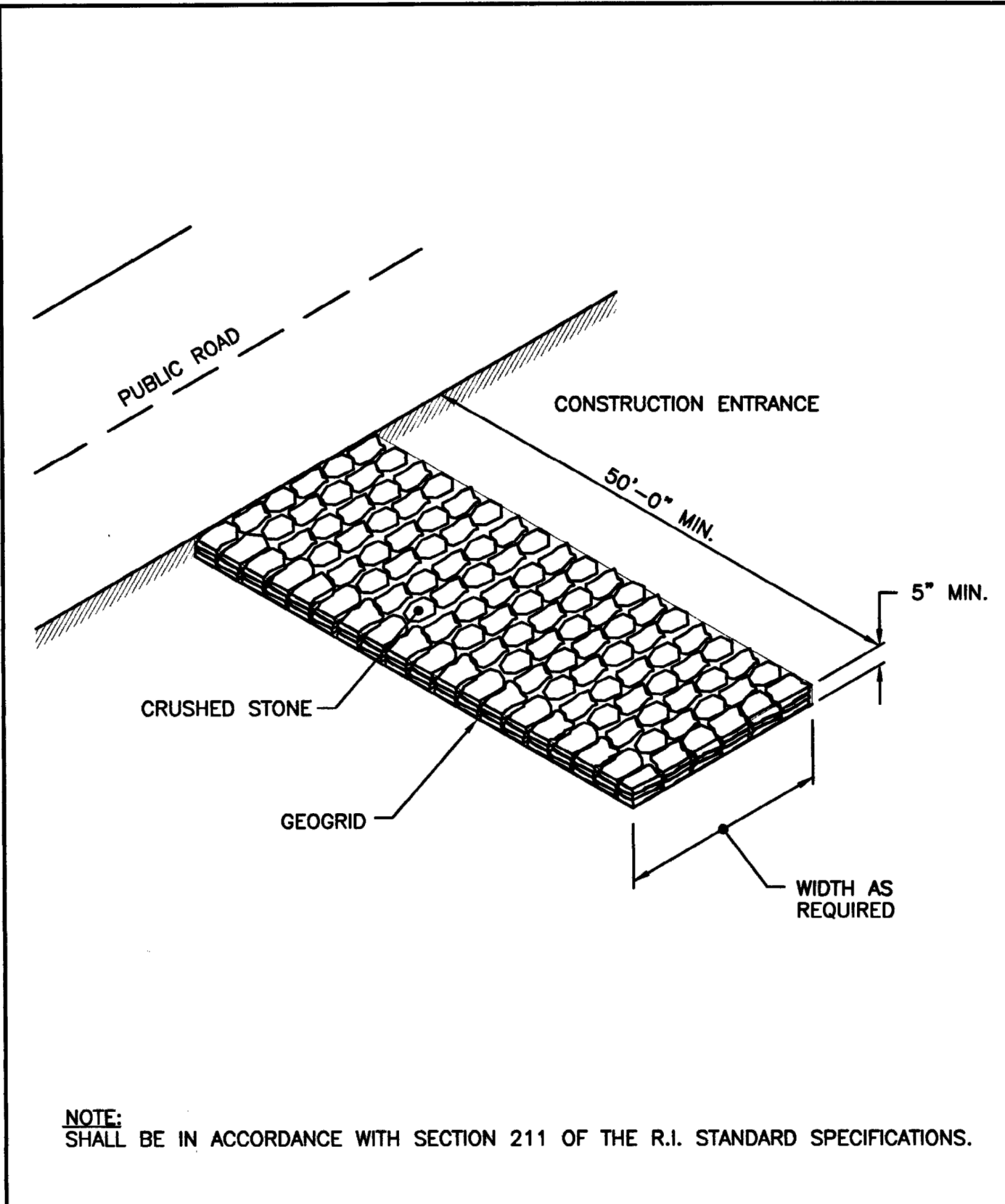
NOTES:
1. ENDS OF WATTLES SHALL BE TURNED SLIGHTLY UP SLOPE.
2. RECOMMENDED STAKES ARE 1 1/8" WIDE X 1 1/8" THICK X 30" LONG.
3. STAKES SHALL NOT EXTEND ABOVE STRAW WATTLE MORE THAN 2".



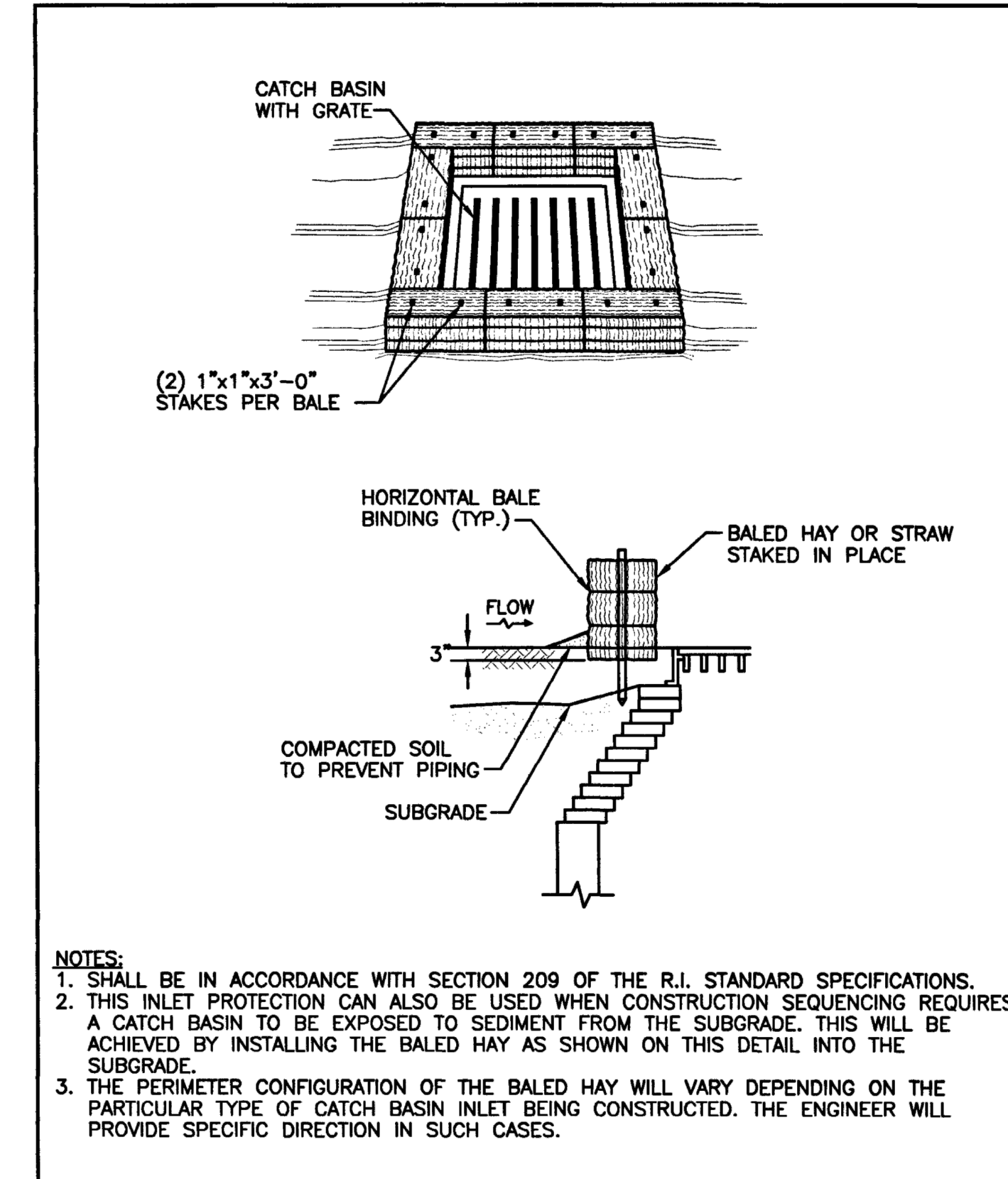
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BALED HAY EROSION CHECK
REVISIONS: NO. BY DATE
JUNE 15, 1998
R.I. STANDARD 9.1.0



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
SILT FENCE DETAIL
REVISIONS: NO. BY DATE
JUNE 15, 1998
R.I. STANDARD 9.2.0



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
CONSTRUCTION ACCESS
REVISIONS: NO. BY DATE
JUNE 15, 1998
R.I. STANDARD 9.9.0



RHODE ISLAND DEPARTMENT OF TRANSPORTATION
BALED HAY CATCH BASIN INLET PROTECTION
REVISIONS: NO. BY DATE
JUNE 15, 1998
R.I. STANDARD 9.8.0

6 STRAW WATTLE
SCALE: NONE

5 SILT FENCE
SCALE: NONE

7 CONSTRUCTION ENTRANCE
SCALE: NONE

3 INLET PROTECTION DETAILS
SCALE: NONE

REVISIONS		
NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
2	07.14.2022	REVISED PER RIDEM AND RIDOT
3	08.09.2022	REVISED PER CITY REVIEW
4	09.23.2022	REVISED PER CITY REVIEW

CONSULTANT	

SEAL	

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER	

Washville
Your Hometown Car Wash

PROJECT DESCRIPTION	

WASHVILLE CARWASH

PROJECT LOCATION	

**1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920**
(PROVIDENCE COUNTY)

SHEET TITLE	

EROSION CONTROL DETAILS

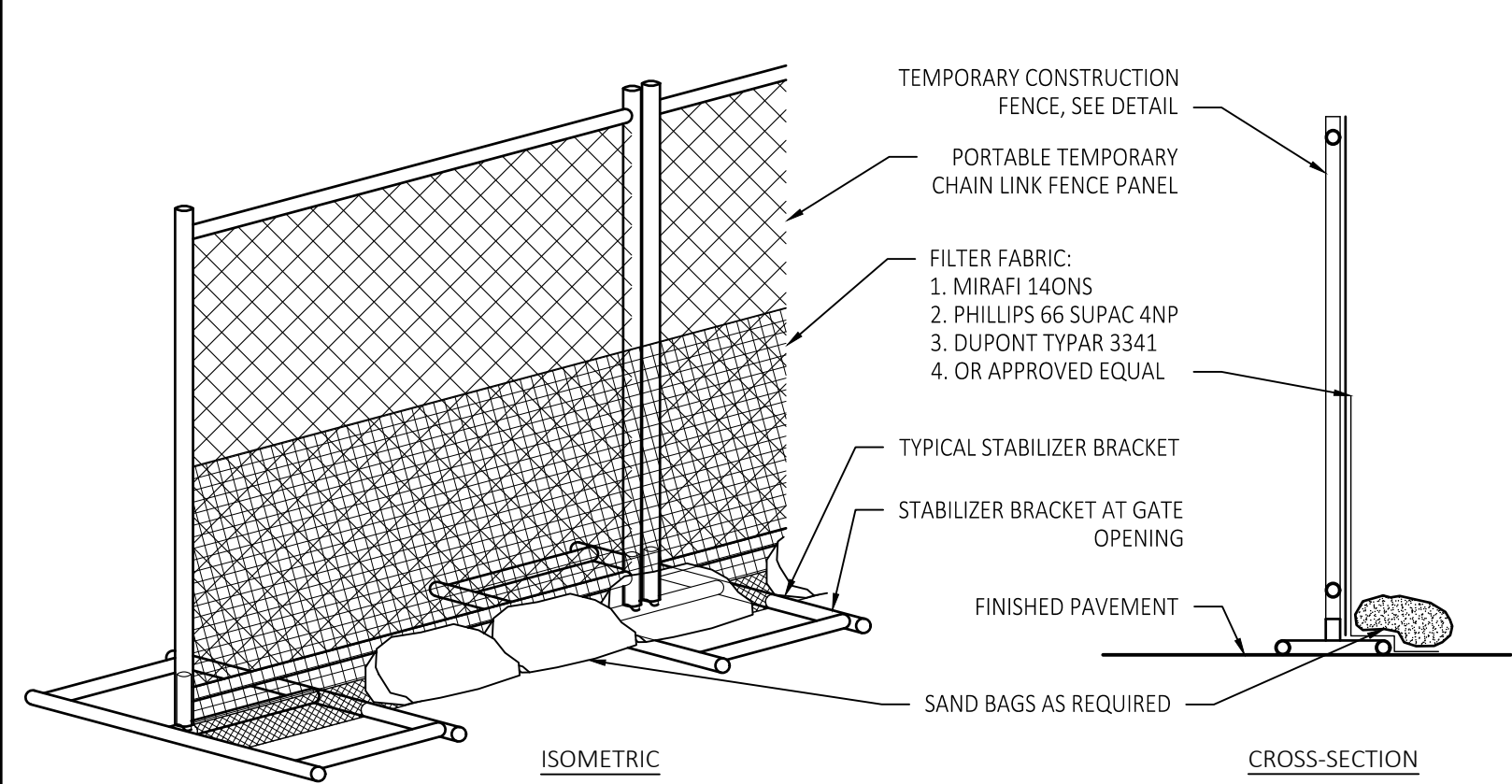
SHEET MANAGEMENT	
PROJECT NO.:	CRANSTON
DATE:	
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	

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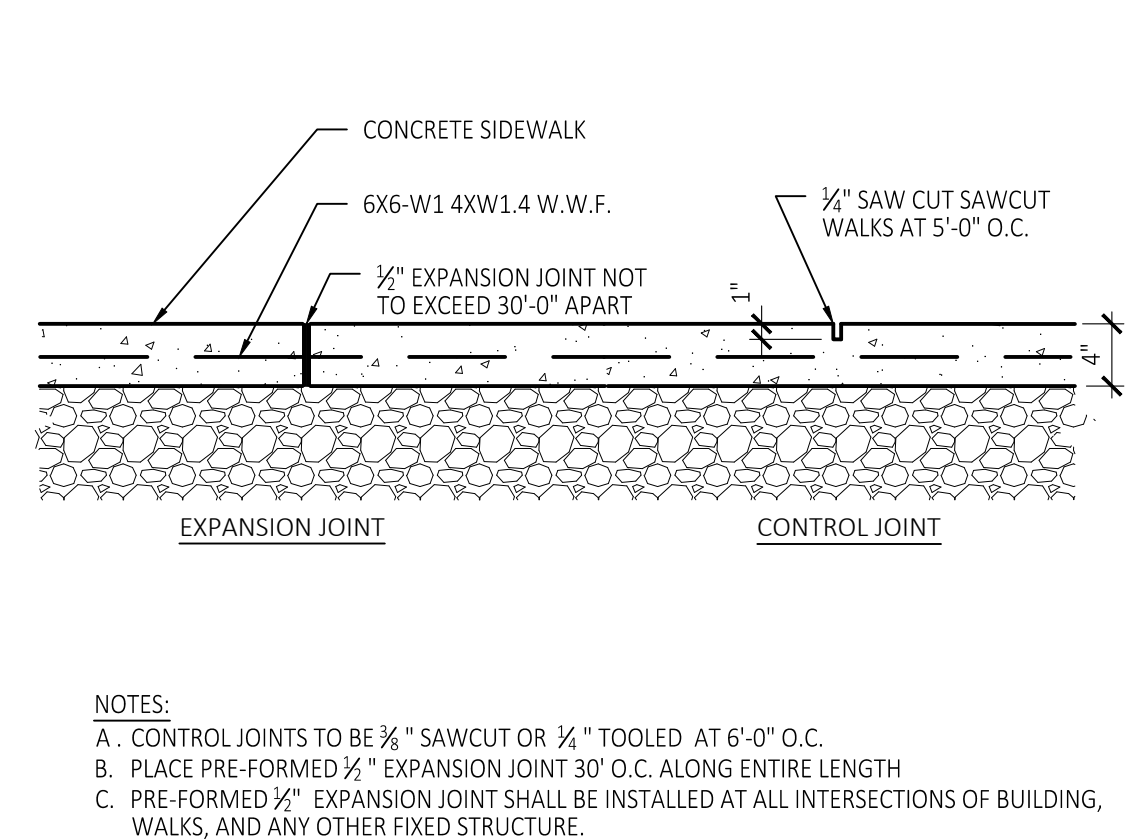
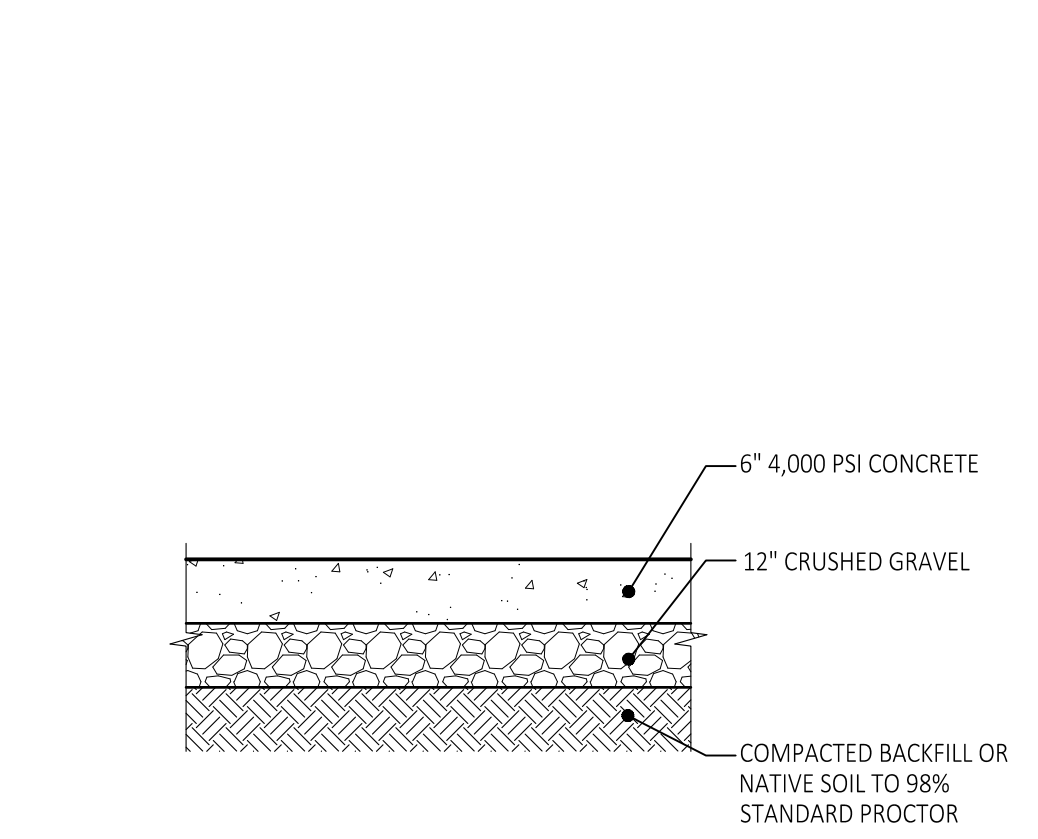
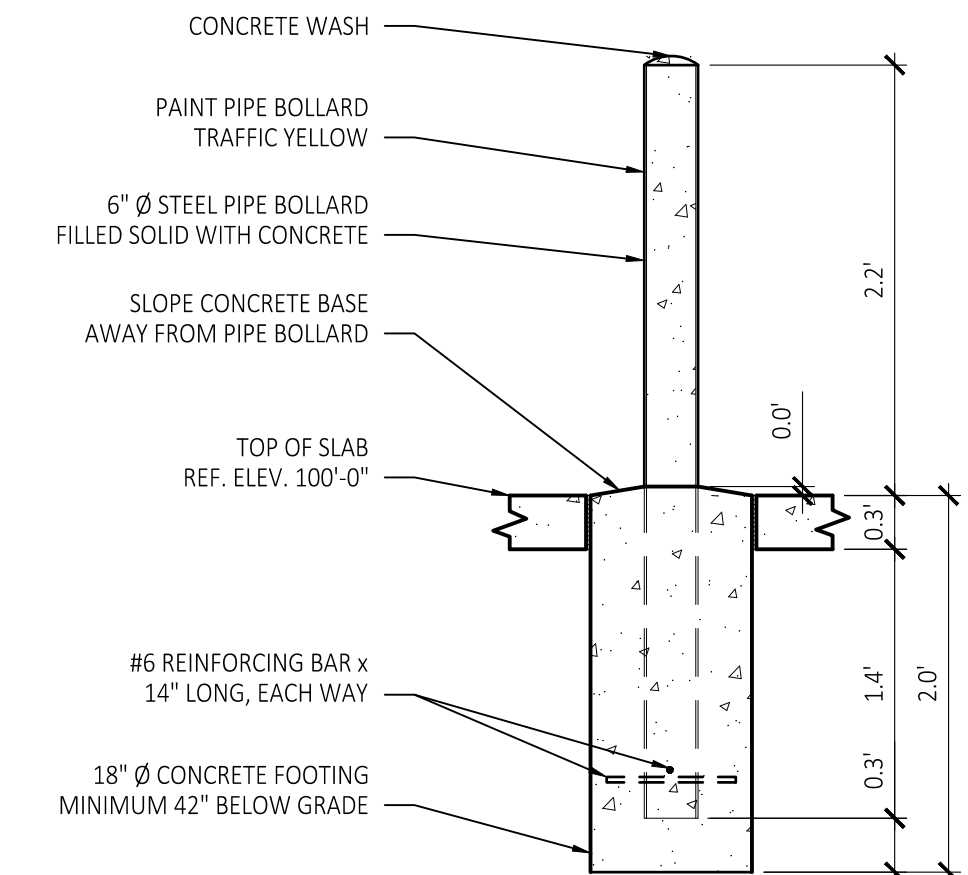
SHEET NUMBER	

C5.00

FILE NAME: Y:\Shared\Clients\Technology\Washville\Construction\1035\Civil\0315\03150001.dwg LARS SAMUEL BY P. PARAMORE / 06/17/2022 10:40:48 AM (DOTTED) 5972921232 (2) P.P14



- SILT FENCE NOTES (PAVEMENT AREAS):**
1. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 3. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- SILT FENCE NOTES (STANDARD):**
1. INSTALL ALONG A CONTOUR LINE ON A SLOPE OF EQUAL ELEVATION.
 2. DO NOT INSTALL IN AN AREA OF CONCENTRATED FLOW.
 3. INSTALL WITH GEOTEXTILE FABRIC ATTACHED TO FENCE POSTS ON THE UPHILL SIDE.
 4. EXCAVATE A 6"x6" ANCHOR TRENCH AND BURYING THE TAIL OF THE GEOTEXTILE FABRIC WITH BACKFILL COMPACTED UP AGAINST IT.
- MAINTENANCE REQUIREMENTS:**
1. PERFORM FREQUENT INSPECTIONS TO ASSURE THAT SILT FENCE IS FIRMLY ENTRENCHED AND IN GOOD WORKING CONDITION. AT A MINIMUM, INSPECT AFTER EACH MAJOR RUN-OFF EVENT.
 2. REMOVE ACCUMULATED SEDIMENT WHEN IT IS EQUAL TO APPROXIMATELY 25% OF THE FENCE HEIGHT.
 3. REMOVE ANY DAMAGED, TORN, OR KNOCKED DOWN SILT FENCE AND REPLACE IMMEDIATELY.
 4. REMOVE SILT FENCE WHEN THE SITE HAS BEEN PERMANENTLY STABILIZED.

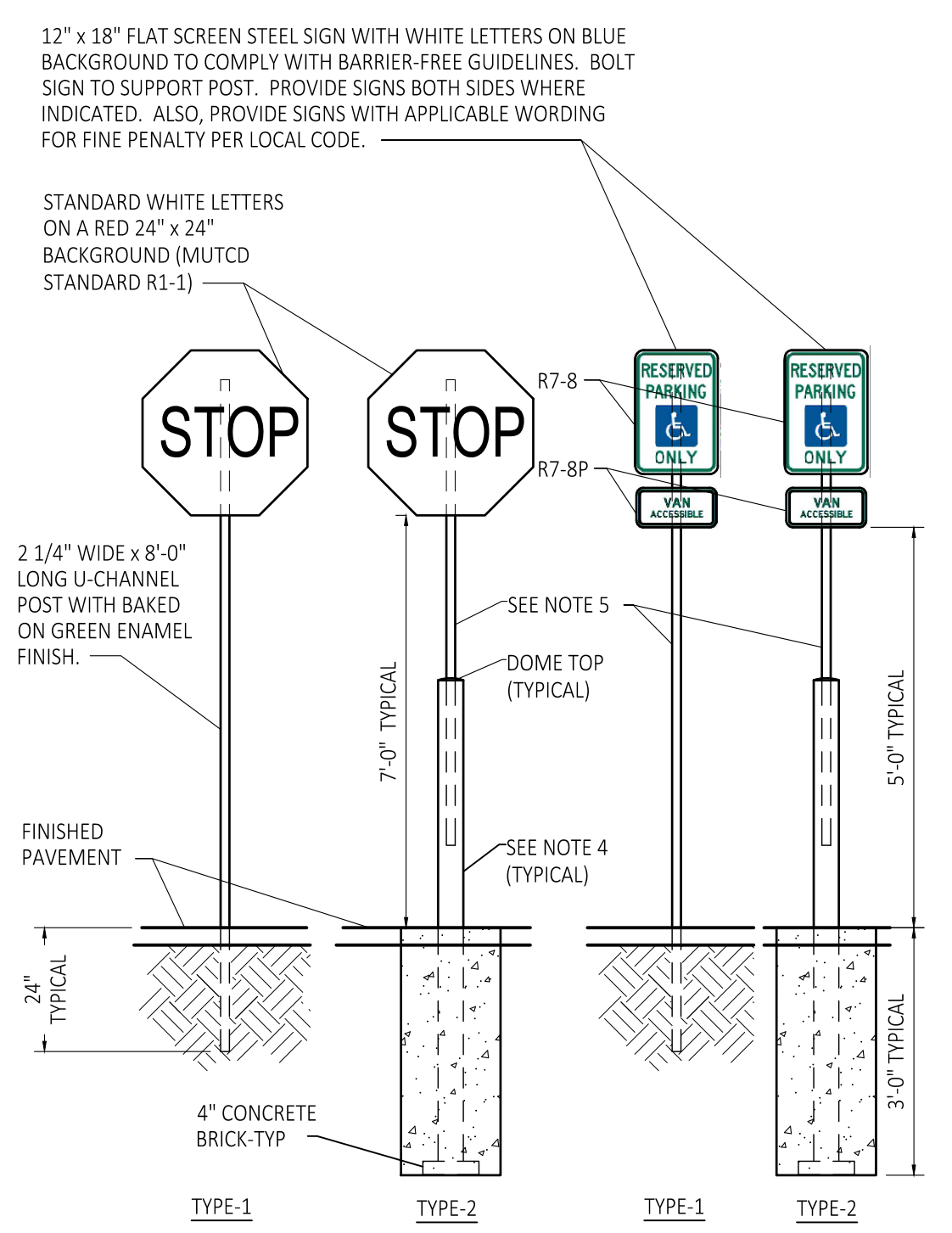


1 CONSTRUCTION FENCE
CS.01 SCALE: NONE

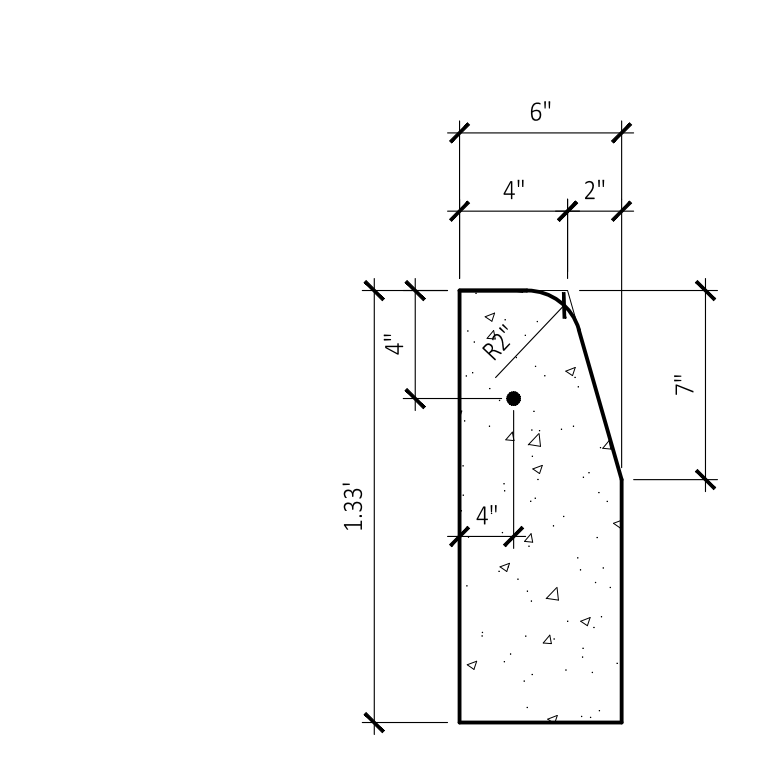
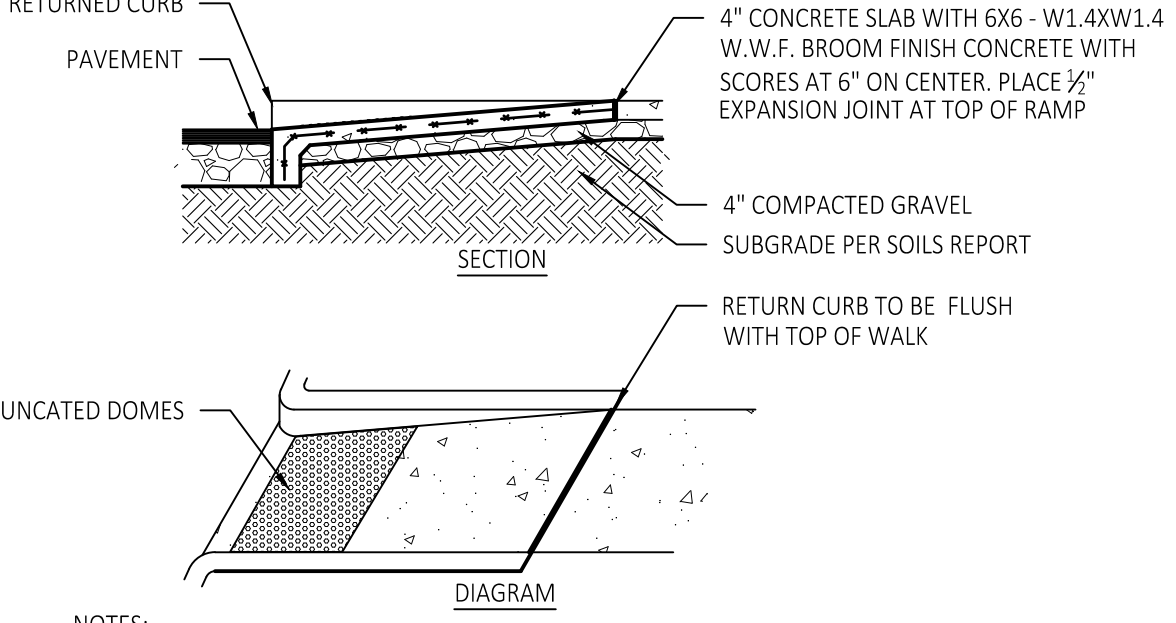
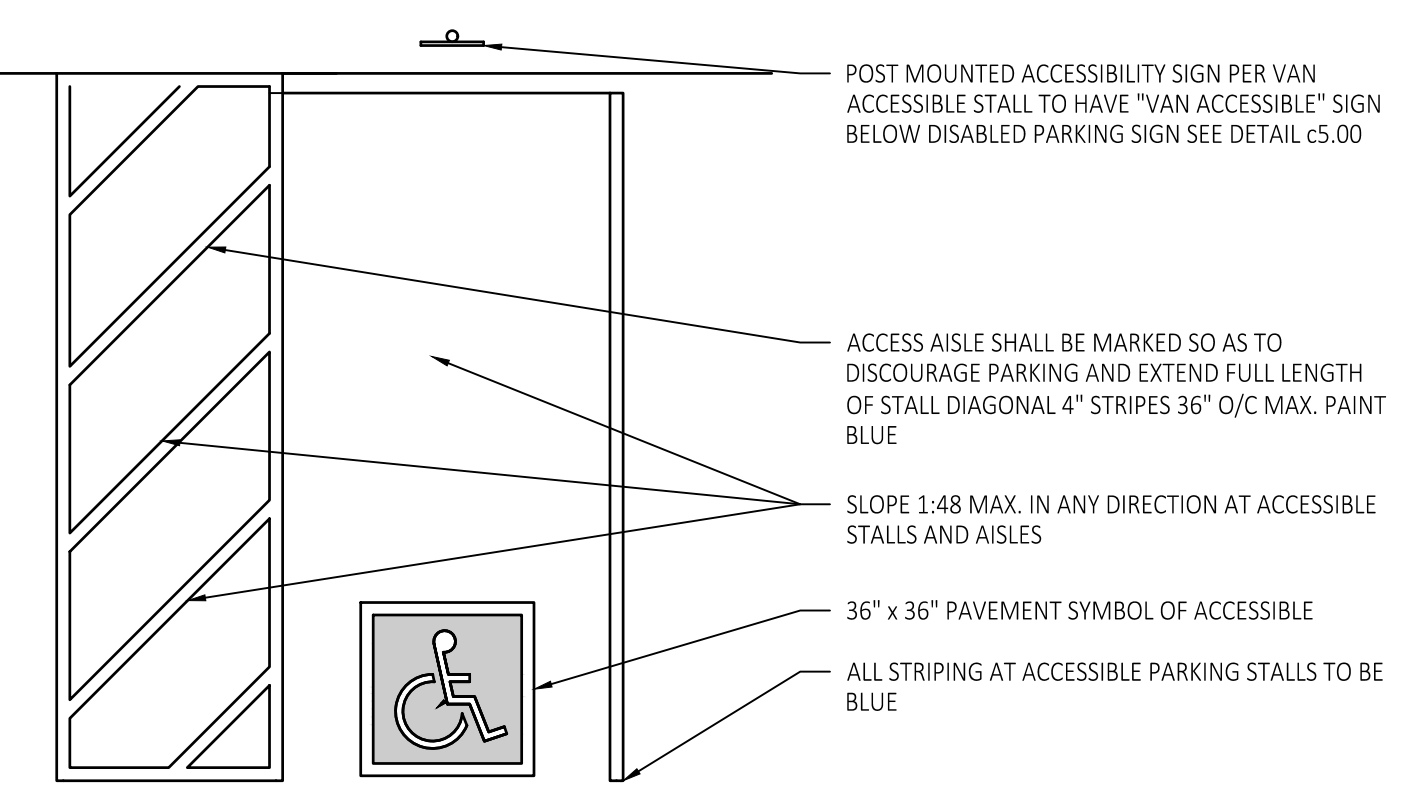
2 PROTECTIVE BOLLARD
CS.01 SCALE: NONE

3 CONCRETE PAVING
CS.01 SCALE: NONE

4 CONTROL AND EXPANSION JOINTS
CS.01 SCALE: NONE



- NOTES:**
1. BUMPERS ARE REQUIRED WHEN NO CURB OR BARRIER IS PROVIDED WHICH WILL PREVENT ENCROACHMENT OF CARS OVER REQUIRED WIDTH OF WALKWAYS.
 2. SPACES SHALL BE LOCATED SO THAT A PERSON/PEOPLE ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN.
 3. RAMP SHALL NOT ENCROACH INTO ANY PARKING SPACE OR ACCESS AISLE.
 4. ACCESSIBLE SPACE SHALL BE NEAR PRIMARY ACCESSIBLE ENTRANCE OF BUILDING.
 5. PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO PEOPLE WITH DISABILITIES SHALL BE PROVIDED FROM EACH ACCESSIBLE PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS OR RAMPS AS NEEDED.
 6. REFER TO ACCESSIBLE PARKING SIGNS FOR REQUIRED SIGNAGE.
 7. THE SURFACE OF EACH PARKING SPACE FOR THE DISABLED IS REQUIRED TO HAVE SYMBOL OF ACCESSIBILITY STENCIL PAINTED BLUE.
 8. PARKING SPACES SHALL BE MARKED WITH LINES, MEASUREMENTS OF SPACES AND ACCESS AISLE SHALL BE FROM CENTERLINE OF MARKING.
 9. ACCESSIBLE SPACES SHALL BE SERVED BY AN ACCESS AISLE 60" WIDE MINIMUM.
 10. VAN PARKING STALL. POSTED SIGN SHALL HAVE "VAN-ACCESSIBLE" TEXT BELOW SYMBOL OF ACCESSIBILITY.
 11. PARKING SPACES FOR VANS AND ACCESS AISLE AND VEHICLE ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 98".
 12. AISLE MAY BE PLACED ON EITHER SIDE OF VEHICLE EXCEPT FOR VAN PARKING.
 13. PARKING SPACES, ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE 98" VERT CLEARANCE.
 14. ACCESS AISLES SHALL EXTEND THE FULL REQUIRED LENGTH OF THE PARKING SPACES THEY SERVE.



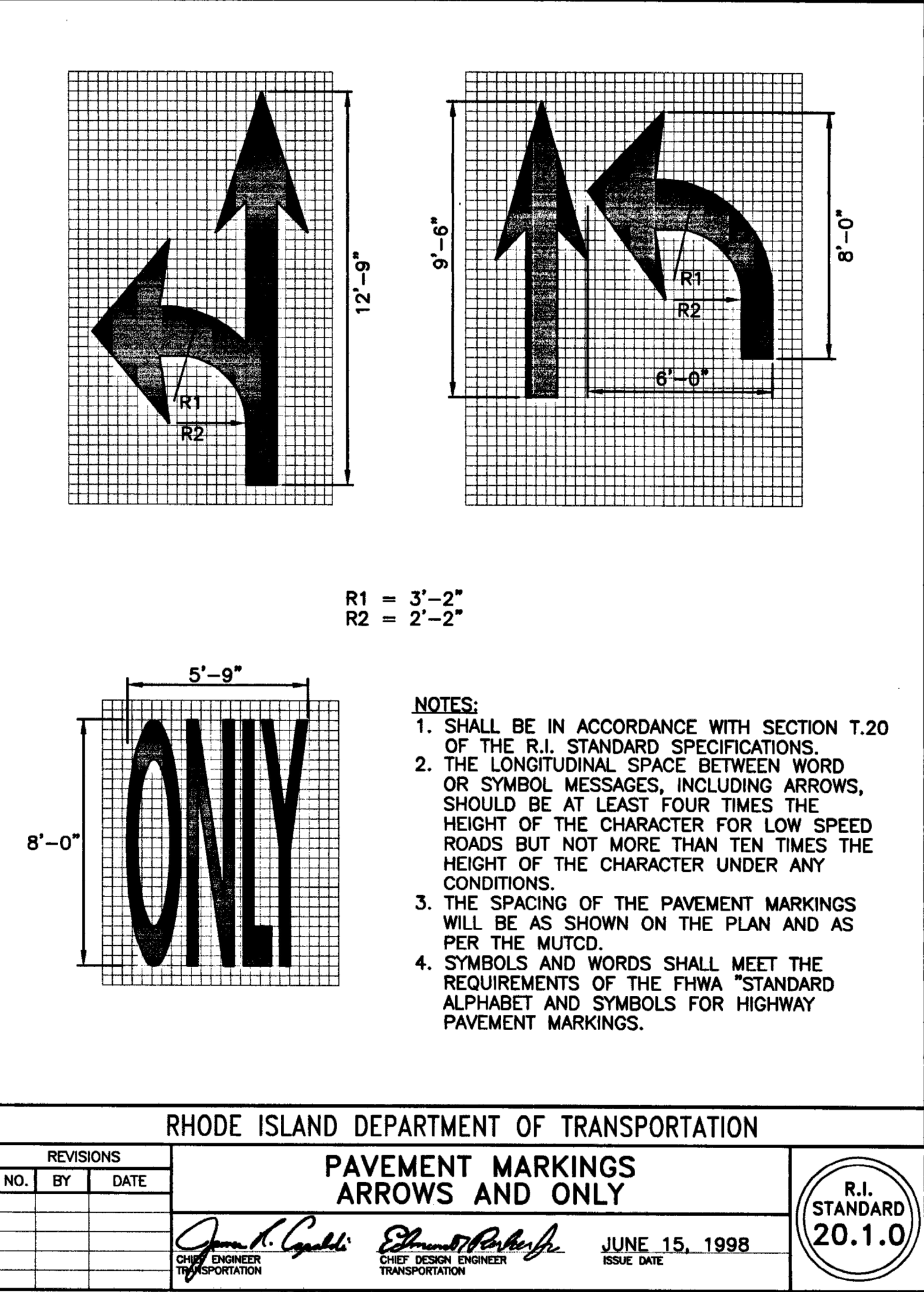
- NOTES:**
1. INSTALL ALL SIGNS WHERE INDICATED ON SITE PLAN.
 2. ADJUST MOUNTING HEIGHTS TO MEET LOCAL CODES WHERE APPLICABLE.
 3. SET ALL POSTS IN 16" DIAMETER x 36" DEEP CONCRETE FOUNDATION.
 4. INSTALL ALL SIGN PANELS A MINIMUM OF 1.0' BEHIND FACE OF CURB, AND BARRIER-FREE SIGNS A MINIMUM OF 2.0' BEHIND BACK OF CURB.
 5. 4" x 6"-0" CONCRETE FILLED STEEL POST CENTERED IN FOUNDATION, PAINTED YELLOW, SEE SPECS.
 6. 2 1/4" WIDE x 6'-0" LONG U-CHANNEL POST WITH BAKED ON GREEN ENAMEL FINISH.
 7. TYPE 1 - LIGHT DUTY - LANDSCAPED AREAS and AREAS NOT SUBJECT TO TRUCK TRAFFIC.
 8. TYPE 2 - HEAVY DUTY - LANDSCAPED AREAS and AREAS SUBJECT TO TRUCK TRAFFIC or NOT PROTECTED IN LANDSCAPED AREAS.

5 ACCESSIBLE PARKING STALL
CS.01 SCALE: NONE

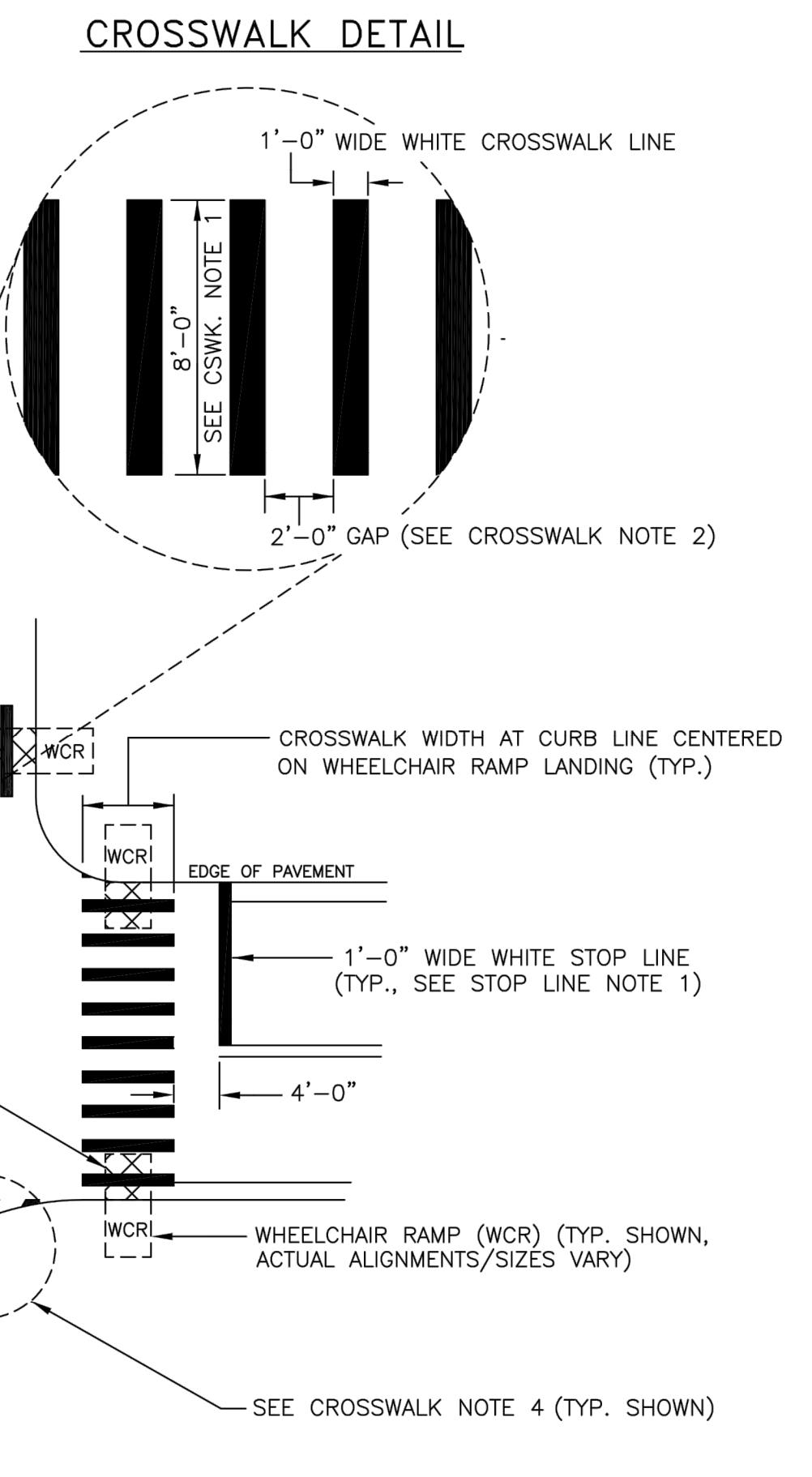
6 ACCESSIBLE CURB RAMP
CS.01 SCALE: NONE

7 CONCRETE CURB
CS.01 SCALE: NONE

8 SIGNS
CS.01 SCALE: NONE



- GENERAL NOTES:**
1. ALL MARKINGS SHALL BE IN ACCORDANCE WITH SECTION T.20 OF THE RI STANDARD SPECIFICATIONS.
 2. ALL CROSSWALK AND STOP LINE MARKINGS SHALL BE WHITE.
 3. CROSSWALK AND STOP LINE MARKINGS SHALL ONLY BE INSTALLED WHERE CALLED FOR ON THE PLANS.
- CROSSWALK NOTES:**
1. CROSSWALK WIDTH SHALL BE 8'-0" UNLESS OTHERWISE CALLED FOR ON THE PLANS.
 2. CROSSWALK MARKINGS SHALL BE LAID OUT ONLY AFTER MEASUREMENT OF THE ACTUAL DISTANCE BETWEEN EDGES OF PAVEMENT ALONG THE CENTERLINE OF THE PROPOSED CROSSING. THE FIRST CROSSWALK MARKING ESTABLISHED SHALL BE A 1'-0" WIDE LINE CENTERED UPON THE MIDPOINT OF THIS CENTERLINE. EACH GAP BETWEEN ADJACENT CROSSWALK LINES SHALL BE 2'-0" WIDE. THE SPACE BETWEEN EACH CROSSWALK LINE CLOSEST TO THE EDGE OF PAVEMENT AND THE LATTER MAY BE LESS THAN 2'-0" WIDE, BUT SUCH SPACES AT BOTH ENDS OF EACH INDIVIDUAL CROSSWALK SHALL BE OF EQUAL LENGTH UNLESS THE CONDITION OF NOTE 4 OR 5 APPLIES.
 3. CROSSWALK LINES SHALL BE ORIENTED IN-LINE AND PARALLEL WITH THE PREDOMINANT PATH OF VEHICLES PASSING OVER THE CROSSWALK; TYPICALLY THIS WILL BE PARALLEL TO THE CURB LINE OF THE UPSTREAM ROADWAY APPROACH.
 4. SHORTER SEGMENTS OF THE CROSSWALK LINE MARKINGS SHALL BE INSTALLED AT THE ENDS OF CROSSWALKS WHERE REQUIRED TO ENSURE THAT THE CROSSWALK IS MARKED OVER THE ENTIRE DISTANCE OF THE CROSSING BETWEEN EDGES OF PAVEMENT.
 5. WHERE TWO CROSSWALKS MEET, THE ORIENTATION OF THE CROSSWALK LINES INSTALLED ACROSS THE MAJOR ROADWAY SHALL BE CARRIED TO THE EDGE OF PAVEMENT. THE ROADWAY RUNNING LEFT TO RIGHT IS THE MAJOR ROADWAY IN THIS DETAIL.
- STOP LINE NOTES:**
1. STOP LINE WIDTH SHALL BE 1'-0" UNLESS OTHERWISE CALLED FOR ON THE PLANS.
 2. UNLESS OTHERWISE CALLED FOR ON THE PLANS, STOP LINES SHALL BE INSTALLED PARALLEL TO THE NEAREST MARKED CROSSWALK OR, IF NO CROSSWALK IS MARKED, PARALLEL TO THE EDGE OF THE NEAREST INTERSECTING TRAVELED WAY.



REVISIONS		
NO.	BY	DATE

PAVEMENT MARKINGS
ARROWS AND ONLY

James R. Caputo
CHIEF ENGINEER
TRANSPORTATION

June 15, 1998
ISSUE DATE

R.I. STANDARD
20.1.0

9 PAVEMENT MARKINGS
CS.01 SCALE: NONE

sevan ENGINEERING
Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
734.367.4445 Telephone

Corporate Office:
3025 Highland Parkway, Suite 850
Downers Grove, IL 60515
Info@sevasolutions.com www.sevasolutions.com
INTegrity | RESPECT | TEAMwork | EXcellence | CHARity

REVISIONS

NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
2	07.14.2022	REVISED PER RIDEM AND RIDOT
3	08.09.2022	REVISED PER CITY REVIEW
4	09.23.2022	REVISED PER CITY REVIEW

CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER

Washville
Your Hometown Car Wash

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920
(PROVIDENCE COUNTY)

SHEET TITLE

SITE DETAILS

SHEET MANAGEMENT

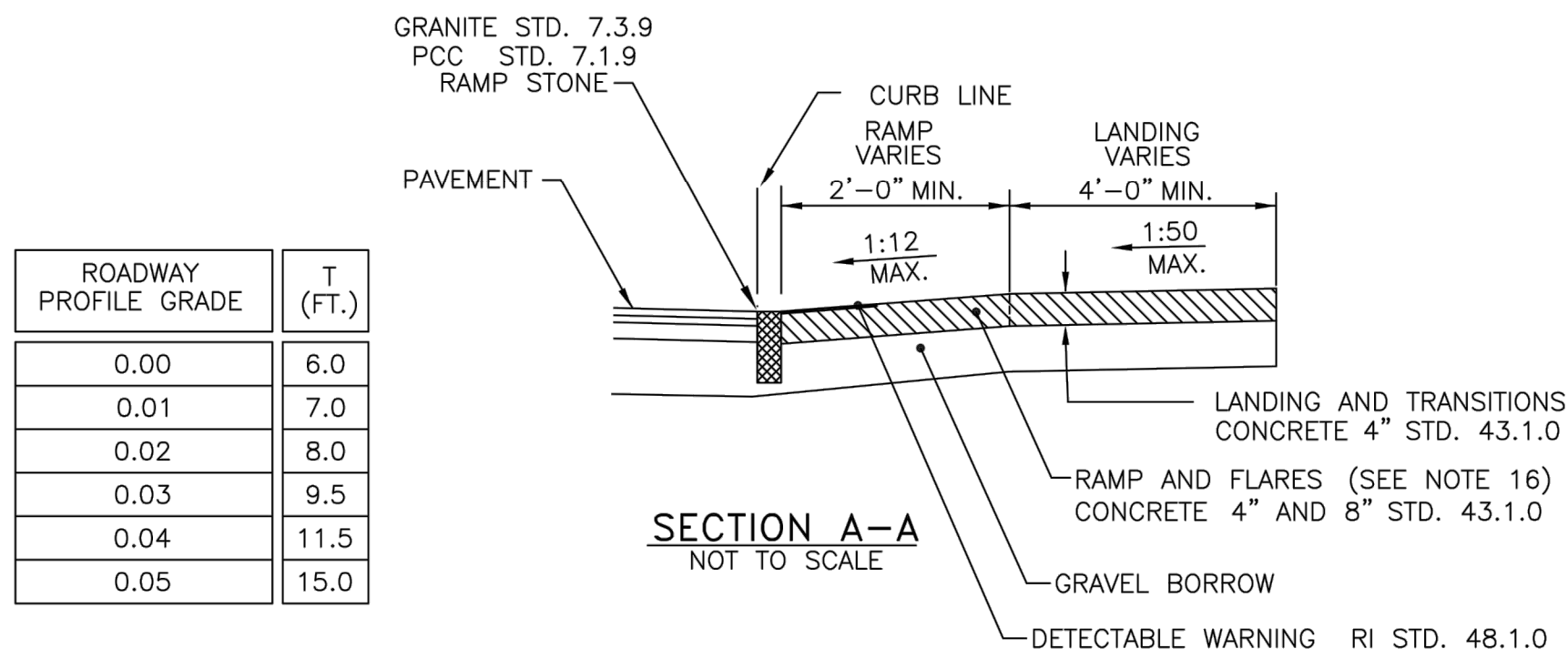
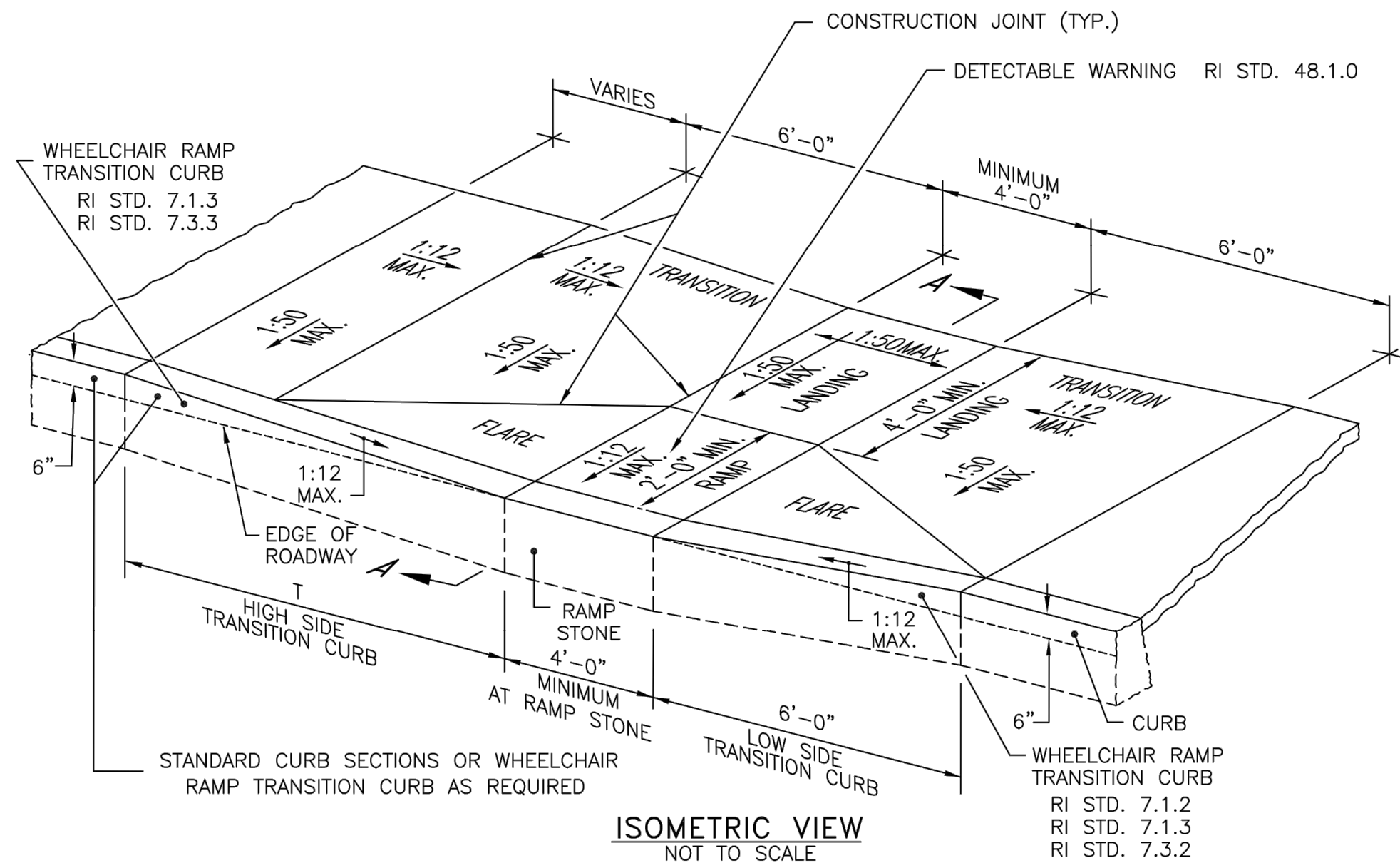
PROJECT NO.:	CRANSTON
DATE:	-
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	-

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SHEET NUMBER

C5.01

FILE NAME: Y:\Shared\Clients\Technology\Washville\Construction\Bids\Construction\Bids\1300-1310 Oaklawn Ave\0222\11\PAV.MK (DOTTED).DWG / 09/23/2022 10:58:19 AM



- NOTES:
- SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE RI STANDARD SPECIFICATIONS.
 - WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, THE WHEELCHAIR RAMP SHALL BE PLACED SUCH THAT THE OBSTRUCTION FALLS OUTSIDE OF THE RAMP.
 - AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
 - DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMP.
 - LOCATION OF WHEELCHAIR RAMP IS AS SHOWN ON CONTRACT DRAWINGS.
 - IN NO INSTANCE SHALL THE SIDEWALK CROSS SLOPE EXCEED 1:50 EXCEPT WITHIN THE RAMP AREA.
 - AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.
 - THE WHEELCHAIR RAMP SLOPE AND SIDE SLOPES (TRANSITIONS), MUST NOT BE STEEPER THAN 1:12. HOWEVER, THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
 - WHERE THE ROAD PROFILE EXCEEDS 5% THE HIGH SIDE TRANSITION LENGTH (T) SHALL BE EIGHTEEN FEET (18'-0").
 - IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
 - THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
 - THE WHEELCHAIR RAMP SHALL BE CENTERED RADIALLY, OPPOSITE THE RADIUS POINT WHEN POSSIBLE.
 - MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
 - ALL REQUIRED CUTTINGS OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.
 - DETECTABLE WARNINGS TO BE PAID FOR UNDER SECTION 942 OF THE RI STANDARD SPECIFICATIONS
 - 8" CONCRETE DEPTH FOR RADIUS WHEELCHAIR RAMP ONLY. USE 4" DEPTH FOR TANGENT (MID-BLOCK) LOCATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

WHEELCHAIR RAMP

REVISIONS

NO.	BY	DATE
1	MLP	Oct 2005
2	MLP	Jun 2008
3	MLP	Sep 2012

CHIEF ENGINEER
TRANSPORTATION

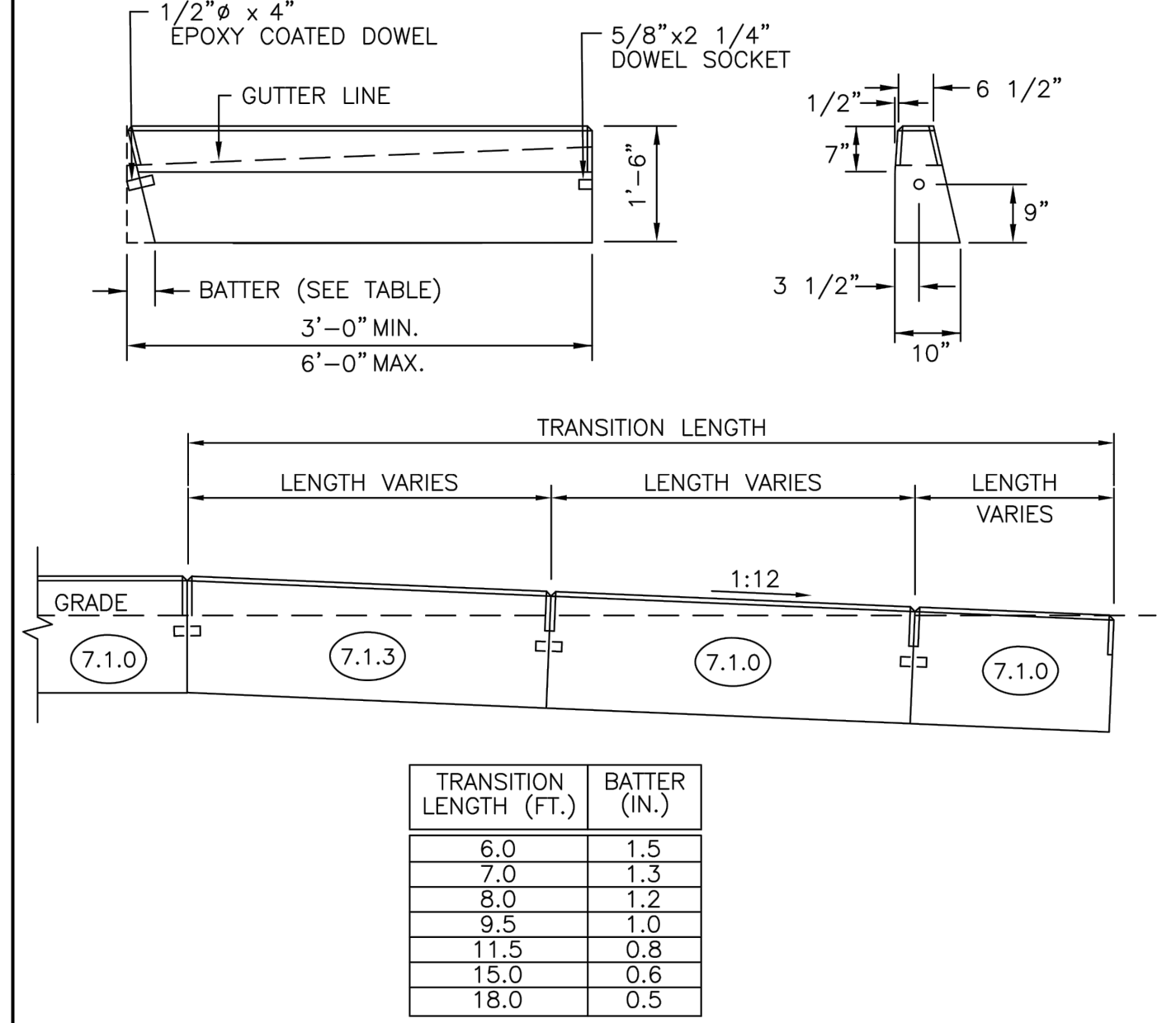
CHIEF DESIGN ENGINEER
TRANSPORTATION

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD
43.3.0

1 ACCESSIBLE CURB RAMP

SCALE: NONE



- NOTES:
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 - CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
 - EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
 - EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
 - MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB

REVISIONS

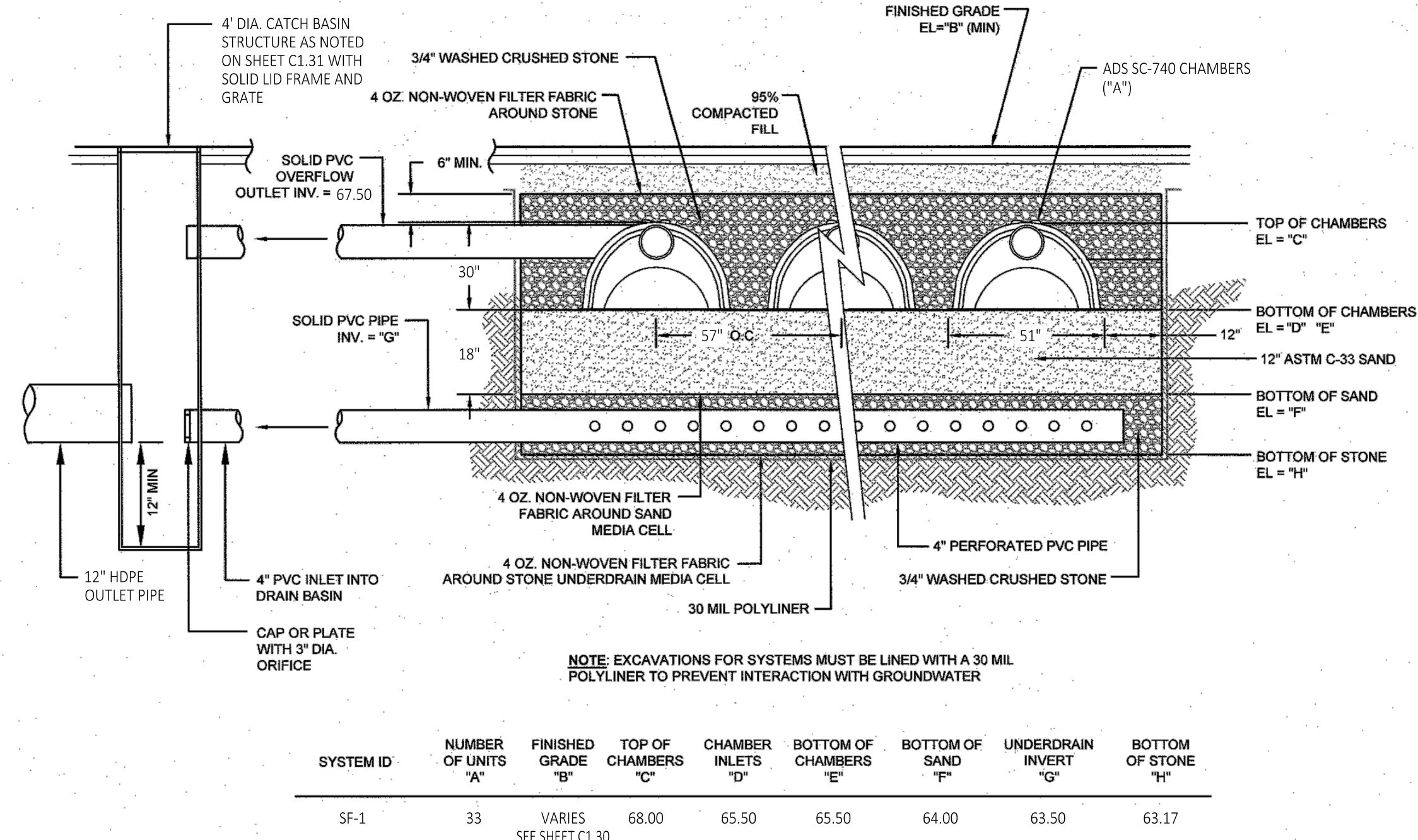
NO.	BY	DATE
1	MLP	Mar 05

CHIEF ENGINEER
TRANSPORTATION

CHIEF DESIGN ENGINEER
TRANSPORTATION

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD
7.1.3



SYSTEM ID	NUMBER OF UNITS "A"	FINISHED GRADE "B"	TOP OF CHAMBERS "C"	CHAMBER INLETS "D"	BOTTOM OF CHAMBERS "E"	BOTTOM OF SAND "F"	UNDERDRAIN INVERT "G"	BOTTOM OF STONE "H"
SF-1	33	VARIES SEE SHEET C1.30	68.00	65.50	65.50	64.00	63.50	63.17

TYPICAL SUBSURFACE SAND FILTER SECTION
SCALE: NOT TO SCALE

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

WHEELCHAIR RAMP

REVISIONS

NO.	BY	DATE
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2	MLP	Jun 2008
3	MLP	Sep 2012

CHIEF ENGINEER
TRANSPORTATION

CHIEF DESIGN ENGINEER
TRANSPORTATION

JUNE 15, 1998
ISSUE DATE

R.I. STANDARD
43.3.0

1 ACCESSIBLE CURB RAMP

SCALE: NONE

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CS-4 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

- GRATED INLET ONLY (NO INLET PIPE)
- GRATED INLET WITH INLET PIPE OR PIPES
- CURB INLET ONLY (NO INLET PIPE)
- CURB INLET WITH INLET PIPE OR PIPES

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	WATER QUALITY FLOW RATE (cfs [L/s])	PEAK FLOW RATE (cfs [L/s])	RETURN PERIOD OF PEAK FLOW (yrs)	RIM ELEVATION

PIPE DATA:

PIPE DATA	INVERT	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			

NOTES/SPECIAL REQUIREMENTS:

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: www.contechES.com
- CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO M320 LOAD RATING, ASSUMING EARTH COVER OF 0'-2" (610), AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M308 AND BE CAST WITH THE CONTECH LOGO.
- CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
- ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm].

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR MANHOLE STRUCTURE.
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC

9028 Centre Pointe Dr., Suite 450, West Chester, OH 45388
800-338-1122 513-645-7000 513-645-7993 FAX

CS-4 CASCADE SEPARATOR STANDARD DETAIL

sevan ENGINEERING

Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
734.367.4445 Telephone

Corporate Office:
3025 Highland Parkway, Suite 850
Downers Grove, IL 60515
info@sevan.com www.sevan.com

REVISIONS

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TIMOTHY KRATZ
No. 11620
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Washville
Your Hometown Car Wash

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SHEET TITLE

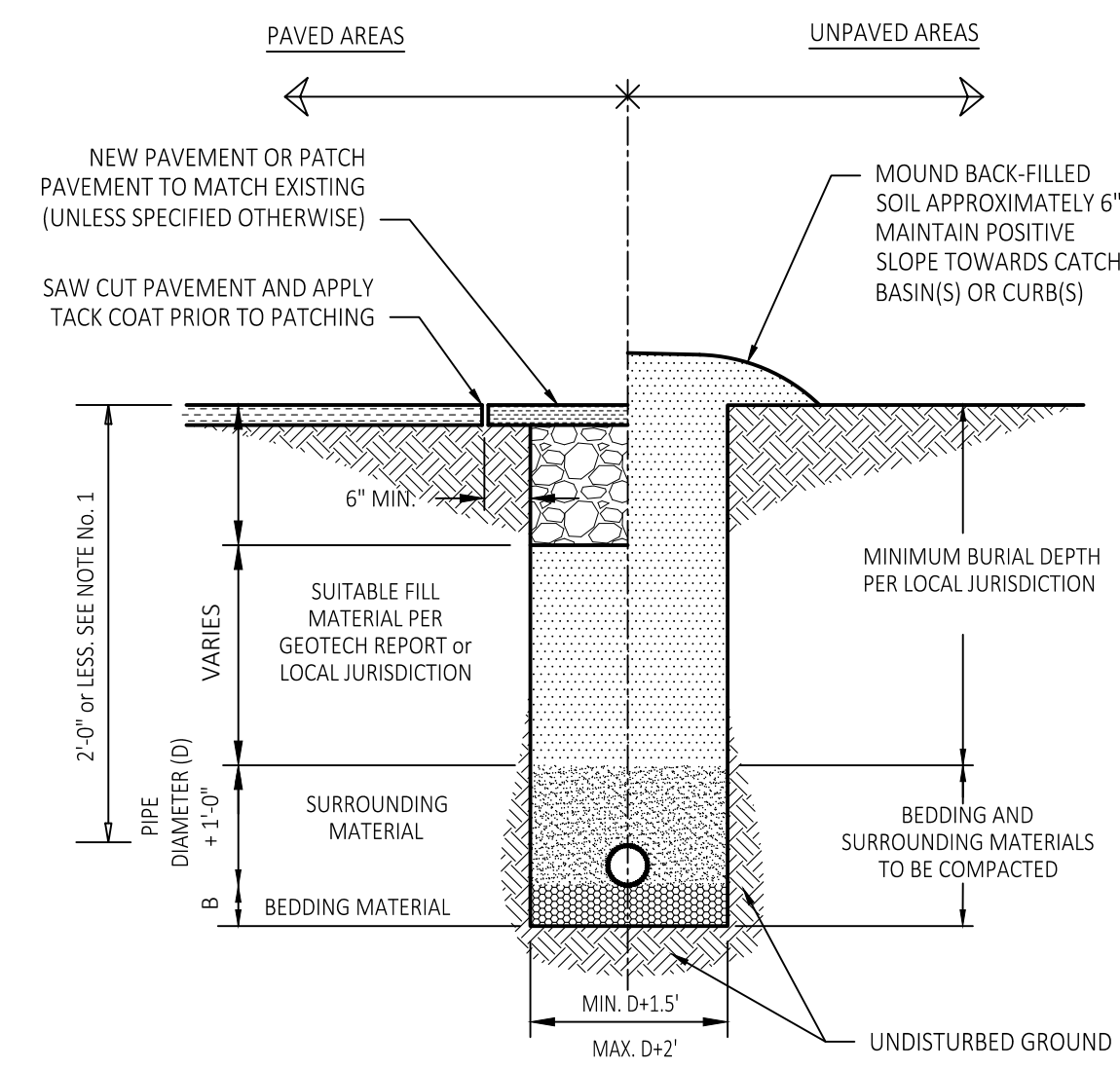
SITE DETAILS

SHEET MANAGEMENT

PROJECT NO.: CRANSTON
DATE: -
CRITERIA: 110' TUNNEL
PROJECT MANAGER: -

SHEET NUMBER

C5.02



- NOTES:**
- THE SURROUND MATERIAL MUST BE INSTALLED TO THE PAVEMENT BASE ELEVATION IF THERE IS LESS THAN 2'-0" OF FILL OVER THE PIPE.
 - COMPACT ALL BACK FILL UNDERNEATH, AROUND AND ABOVE PROPOSE PIPES TO 95% STANDARD PROCTOR IN PAVED AND STRUCTURAL AREAS. 90% STANDARD PROCTOR IN UNPAVED OR NON-STRUCTURAL AREAS. THE UPPER 12" OF TRENCH BACKFILL MATERIAL IN PAVED/STRUCTURAL AREAS MUST BE COMPACTED TO 98% STANDARD PROCTOR (ASTM-698).
 - WHERE A PIPE HAS A SLOPE GREATER THAN OR EQUAL TO 4% OR WHERE GROUNDWATER IS PRESENT, CLAY DAMS SHALL BE INSTALLED AROUND THE PIPE EVERY 100' TO PREVENT WASHOUT AROUND THE PIPE.
 - ALL SUITABLE FILL SHOULD NOT CONTAIN STONES GREATER THAN 4" IN DIAMETER, FROZEN LUMPS, AND SHALL CONTAIN A MINIMAL AMOUNT OF ORGANIC MATERIALS (LESS THAN 3%).
 - MATERIAL IS TO BE PLACED AT NO MORE THAN 8" INTERVALS AND COMPACTED BEFORE PLACING NEXT LAYER.

1 PIPE BEDDING

CS.03 SCALE: NONE

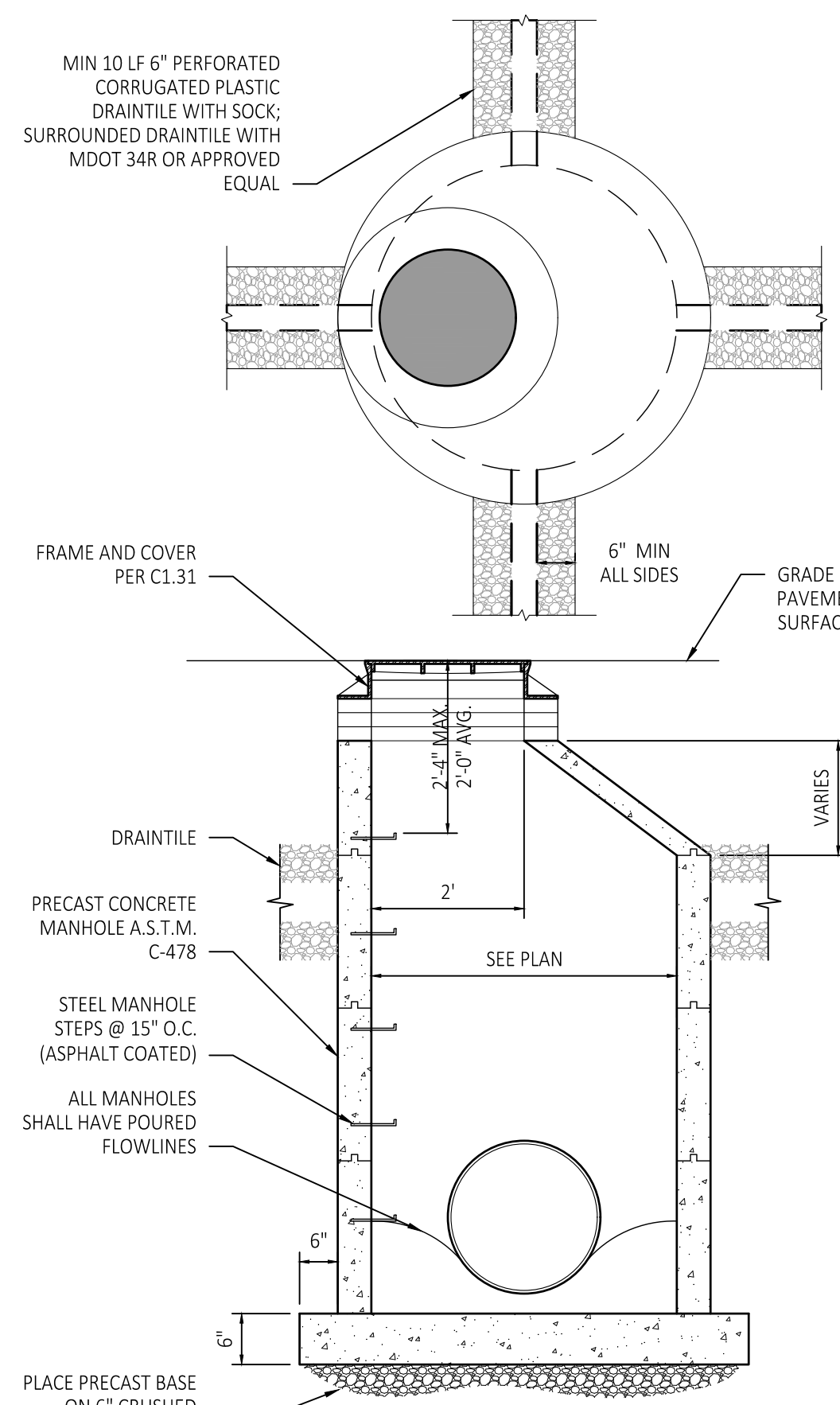
NOTES:

- WHERE BACKFILL IS DESIGNATED "COMPACTED", THIS MEANS 90% TO 95% STANDARD PROCTOR, AASHTO T-99. ALL FILL PLACED BELOW PIPES AND STRUCTURES MUST MEET THIS REQUIREMENT.
- FOR ALL TRENCHES WITH A GRADE GREATER THAN 4% AND/OR WHERE GROUNDWATER IS APPARENT, INSTALL CLAY DAMS AROUND PIPE AT 100' INTERVALS.

RECOMMENDED FILL MATERIALS

CONDITION & PIPE	**SELECT MATERIAL	LINING MATERIAL	"n"
DUCTILE IRON PIPE IN "ORDINARY SOIL"	TYPE I, II, III	SAND OR TYPE II	3"
RCP PIPE IN "ORDINARY SOIL"	TYPE II, III	SAND OR TYPE II	3"
ALL PIPE OVER BEDROCK OR LEDGE	TYPE II, III	SAND OR TYPE II	6"
DUCTILE IRON PIPE IN CLAY OR MUCK	TYPE II, III	SAND	4"
RCP PIPE IN CLAY	TYPE II, III	SAND	6"
PLASTIC-ALL	TYPE III	SAND OR TYPE II	6"

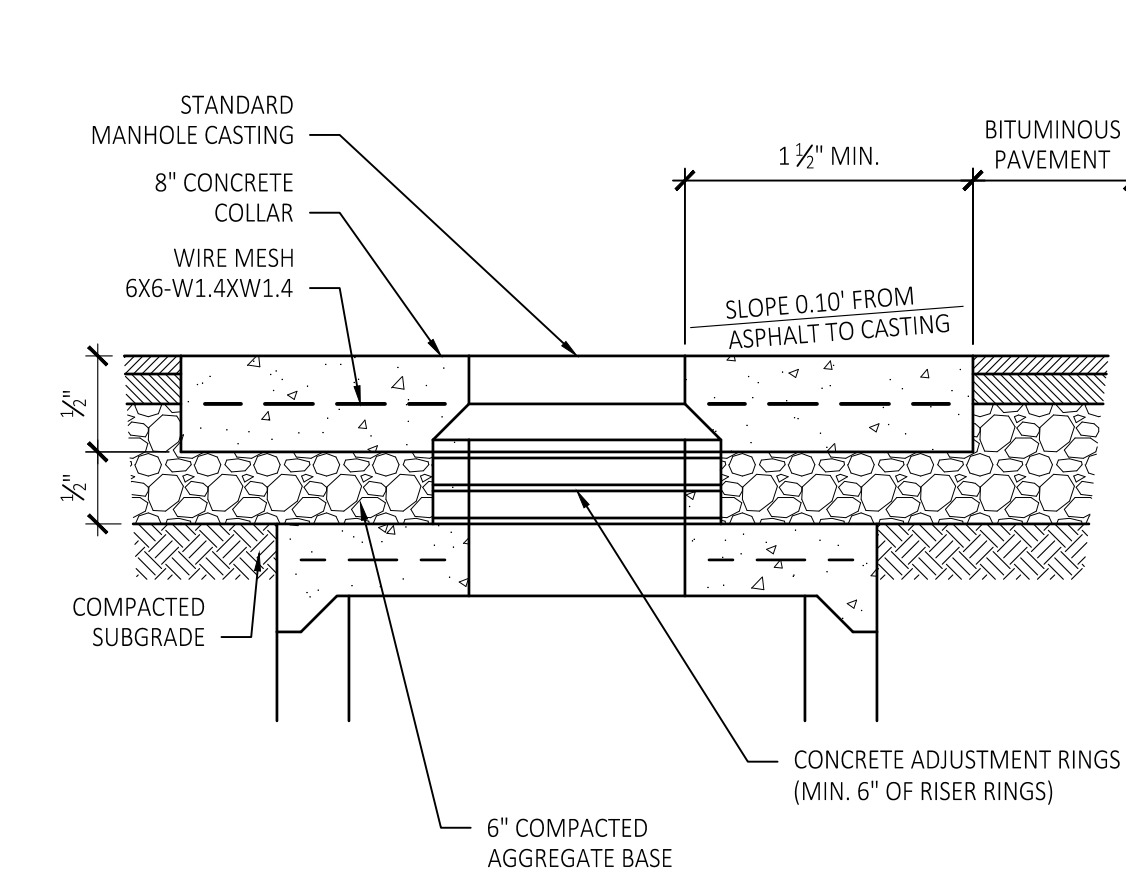
- SUITABLE MATERIAL SHOULD CONTAIN NO STONES GREATER THAN 4" IN DIAMETER, NO FROZEN LUMPS, AND ONLY MINOR AMOUNTS OF CLAY OR ORGANIC MATERIAL. ALL MATERIAL TO BE PLACED IN MAXIMUM OF 12" LIFTS AND COMPACTED BEFORE PLACING NEXT LIFT.
- TYPE I MATERIAL** SHALL BE EITHER GRAVEL OR EXCAVATED MATERIAL CONTAINING NO STONES GREATER THAN 1 1/2" IN DIAMETER, NO CLAY, AND NO ORGANIC MATERIAL.
- TYPE II MATERIAL** SHALL BE CLEAN, HARD, CRUSHED OR NATURAL STONE WITH A GRADATION BY WEIGHT OF 100% PASSING A 1 1/2" SQUARE OPENING, NOT MORE THAN 25% PASSING A 3/4" SQUARE OPENING AND NOT MORE THAN 5% PASSING A 1/2" SQUARE OPENING.
- TYPE III MATERIAL** SHALL BE CLEAN, HARD, CRUSHED STONE FREE FROM COATINGS AND THOROUGHLY WASHED WITH A GRADATION BY WEIGHT OF 100% PASSING A 1" SQUARE OPENING AND 0-5% PASSING A 1/2" SQUARE OPENING.



- NOTE:**
- ALL FRAMES AND COVERS FOR DRAINAGE STRUCTURES SHALL BE NON-ROCKING AND MADE OF HEAVY DUTY CAST IRON.
- IF CATCH BASIN LOCATED IN CURB GUTTER, EXTEND DRAIN TILE ALONG BACK OF CURB IN BOTH DIRECTIONS.

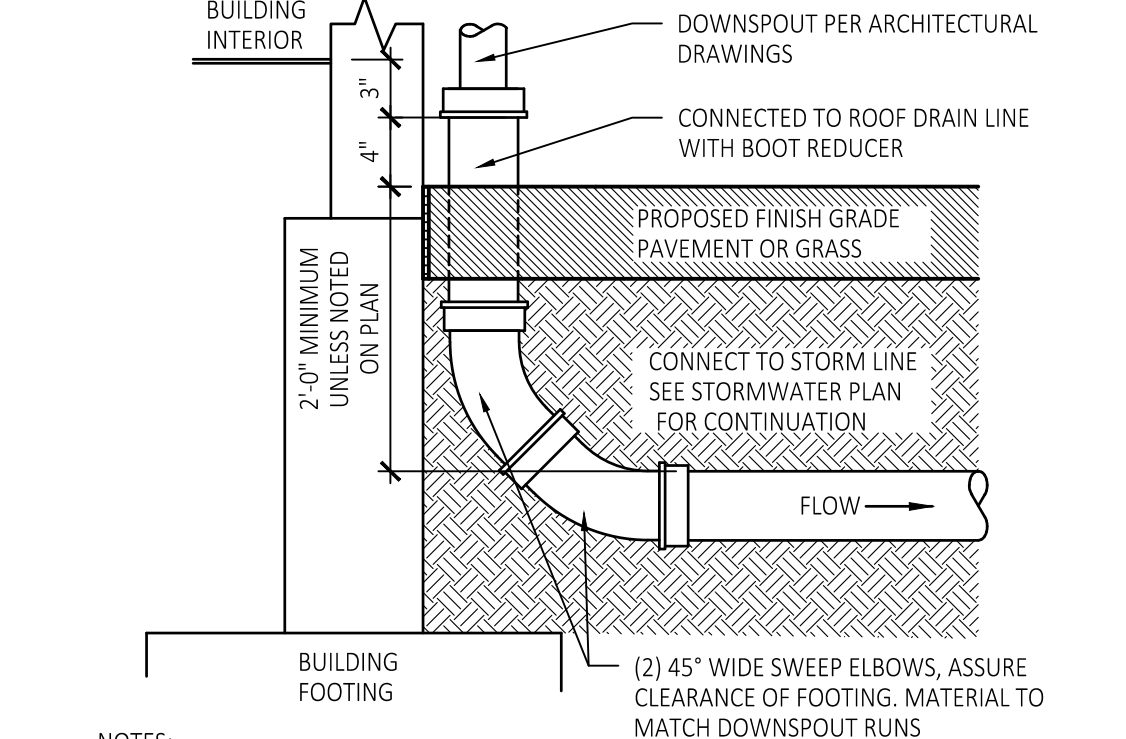
2 STORM MANHOLE

CS.03 SCALE: NONE



3 CONCRETE COLLAR IN PAVED AREAS

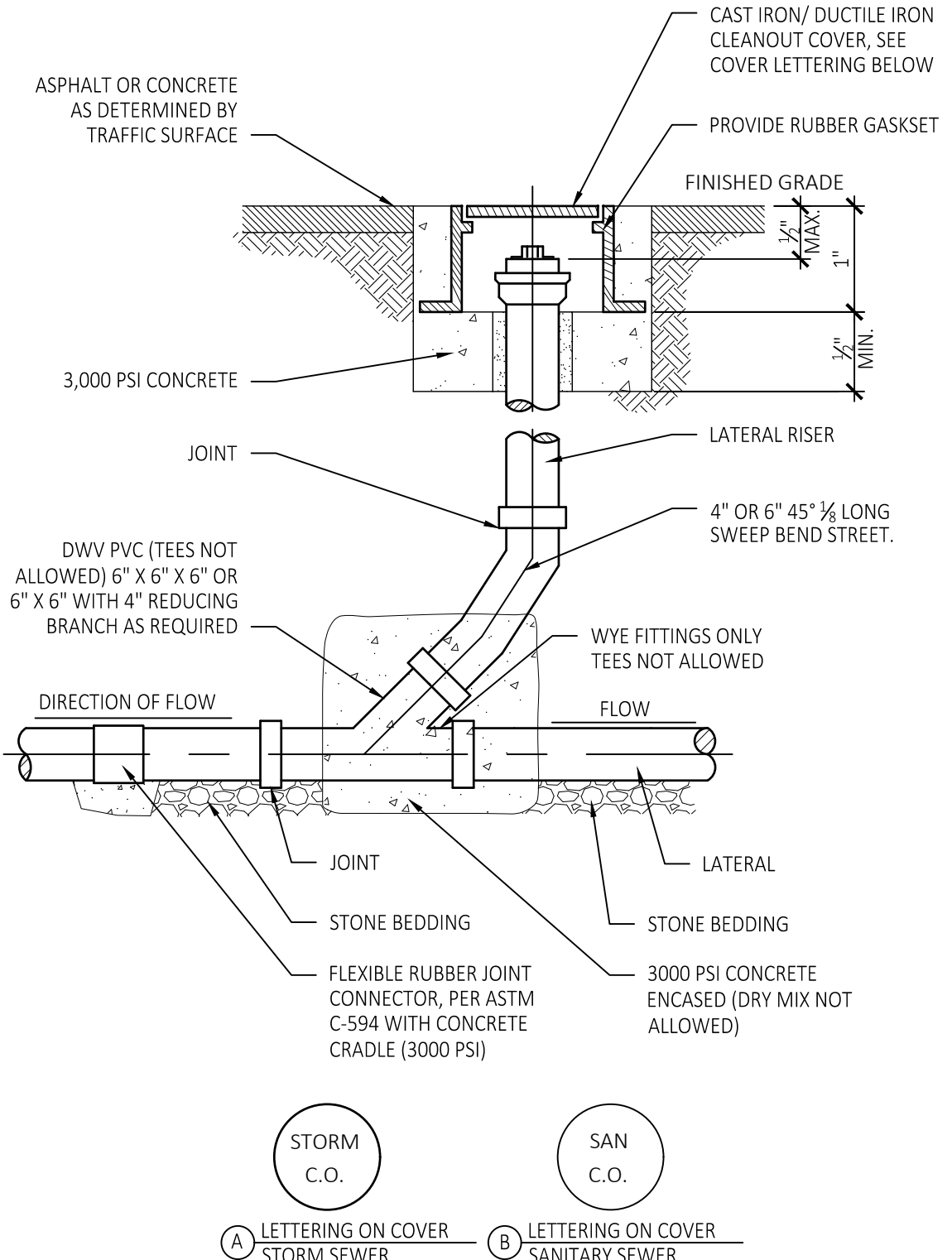
CS.03 SCALE: NONE



- NOTES:**
- TYPICAL GRADE ADJACENT TO BUILDING SHALL BE 7" LOWER THAN F.F.E.L.
 - SEE GRADING PLAN FOR LOCATIONS

4 DOWNSPOUT/RAIN LEADER CONNECTION

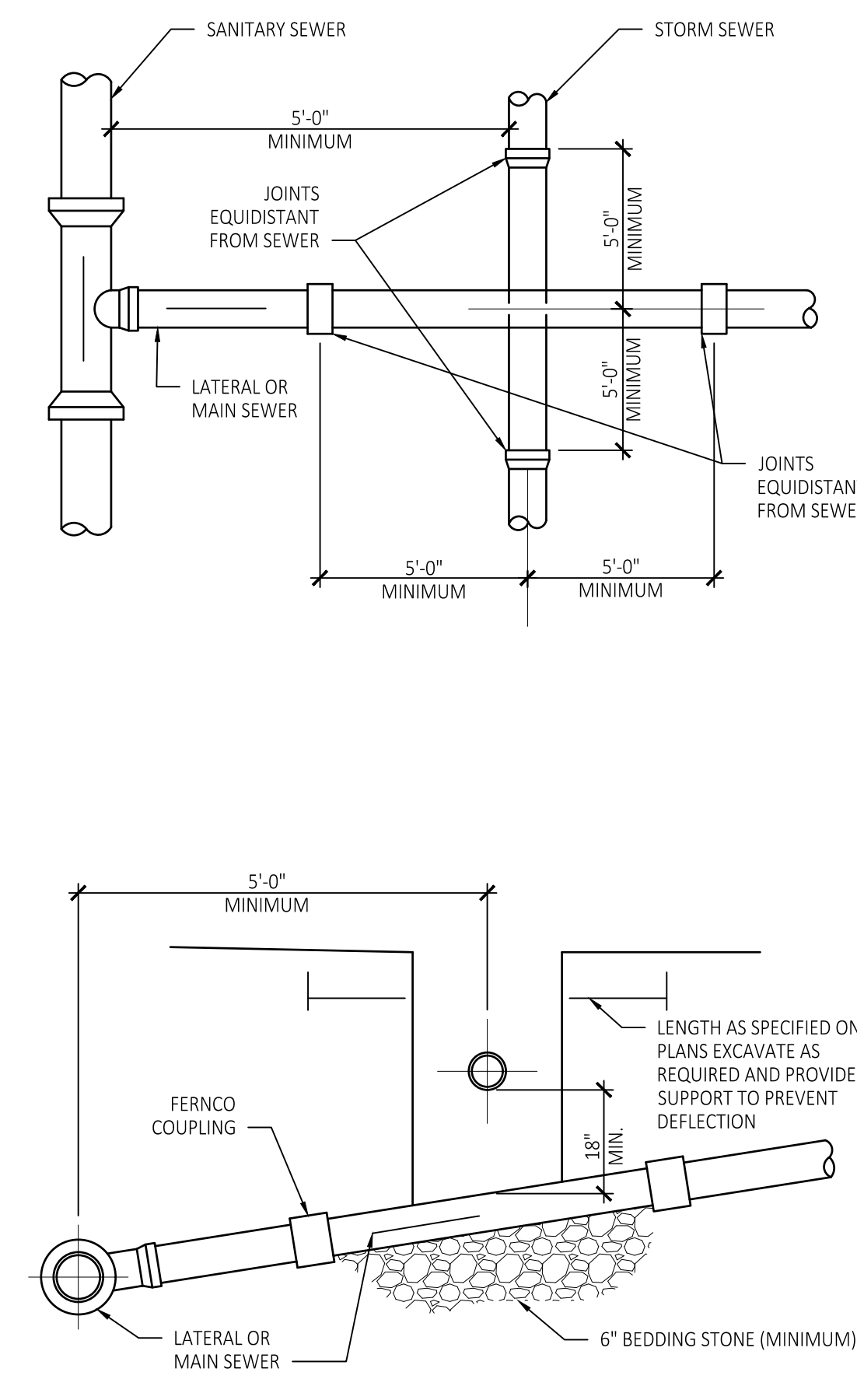
CS.03 SCALE: NONE



- NOTE:**
- IT IS RECOMMENDED THAT ALL SOLVENT WELD JOINTS BE MADE AS FOLLOWS:
 - CLEAN DRY HUBS & SPOTS.
 - PRIMER APPLIED TO PARTS BEING CONNECTED.
 - SANITARY CLEANOUT MATERIALS: 6" SDR 23.5 PIPE. MATERIAL CAN BE ABS WITH SOLVENT WELDED JOINTS OR PVC WITH ELASTOMERIC GASKETED JOINTS.
 - STORMWATER CLEANOUT MATERIALS: 6" SCH. 80 PVC WITH GLUED JOINTS.

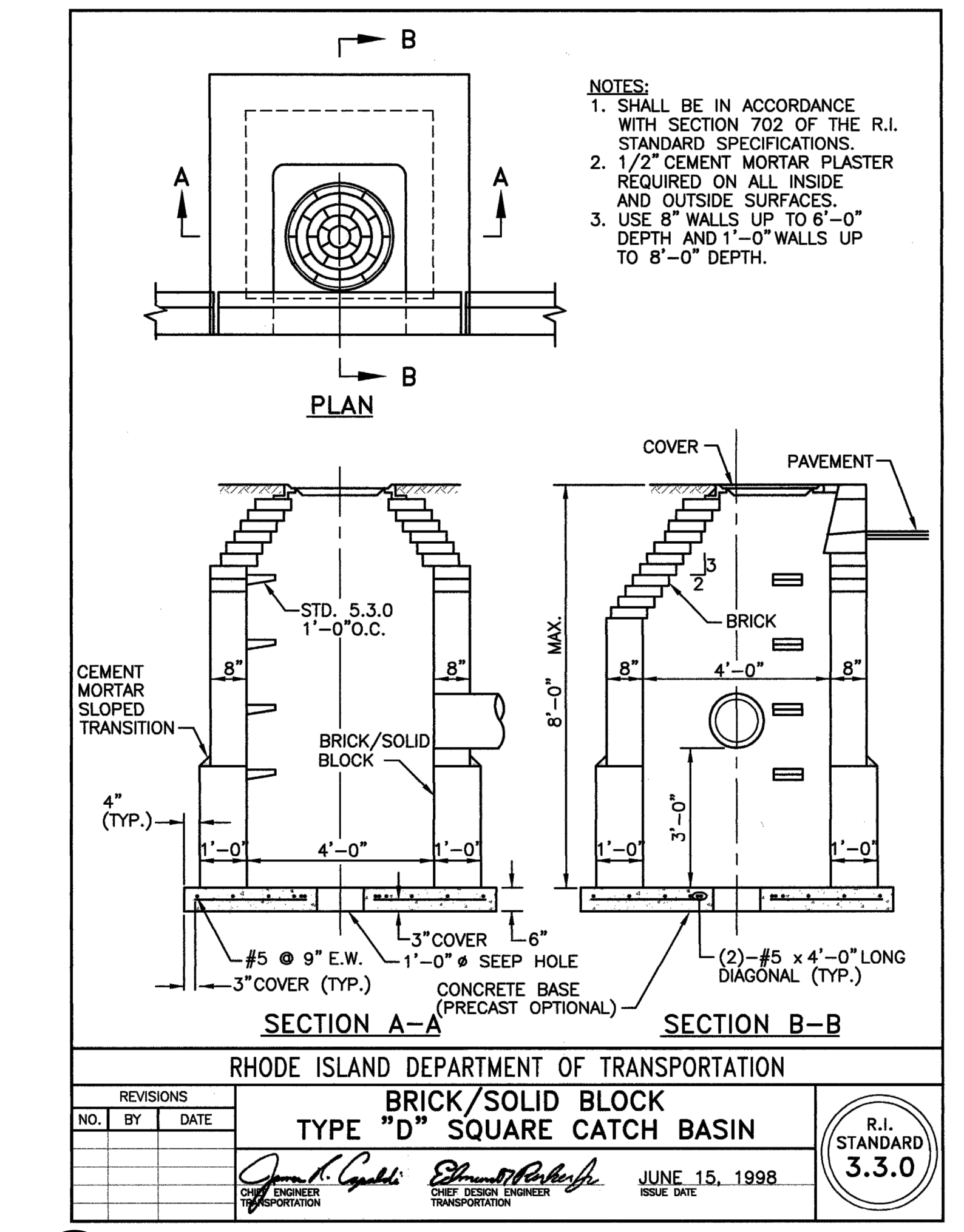
5 STORM & SANITARY CLEAN-OUT

CS.03 SCALE: NONE



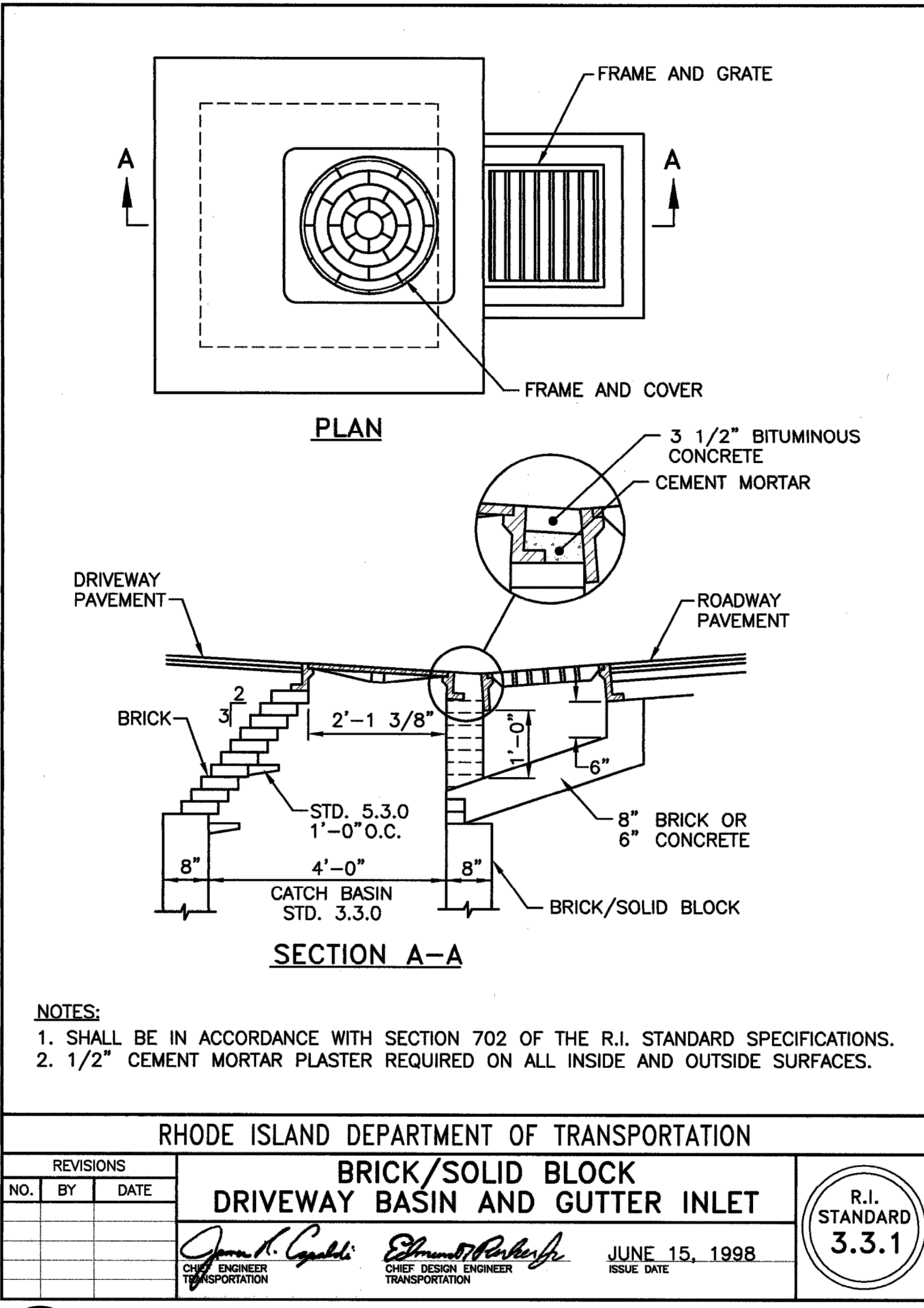
6 SANITARY CROSSING

CS.03 SCALE: NONE



7 STORM CATCH BASIN

CS.03 SCALE: NONE



8 STORM INLET

CS.03 SCALE: NONE

sevan ENGINEERING

Regional Office:
37704 Hills Tech Drive
Farmington Hills, MI 48331
734.367.4445 Telephone

Corporate Office:
3025 Highland Parkway, Suite 850
Downers Grove, IL 60515
info@sevasolutions.com www.sevasolutions.com

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REVISIONS

NO.	DATE	DESCRIPTION
0	03.03.2022	SITE PLAN REVIEW
1	06.24.2022	REVISED PER RIDEM AND RIDOT
2	07.14.2022	REVISED PER RIDEM AND RIDOT
3	08.09.2022	REVISED PER CITY REVIEW
4	09.23.2022	REVISED PER CITY REVIEW

CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11620
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
09/23/2022

CUSTOMER

Washville
Your Hometown Car Wash

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

1300-1310 OAKLAWN AVE.
CRANSTON, RI 02920
(PROVIDENCE COUNTY)

SHEET TITLE

UTILITY DETAILS

SHEET MANAGEMENT

PROJECT NO.:	CRANSTON
DATE:	
CRITERIA:	110' TUNNEL
PROJECT MANAGER:	

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SHEET NUMBER

C5.03

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