

NILES TOWN PLAZA PERMEABLE PAVER

CITY PROJECT NO. 8949 (PWC)



BASE BID SCOPE

BASE BID - (PWC 8949)

THE PROJECT GENERAL DESCRIPTION CONSISTS OF 1) REMOVING AND DISPOSING OF EXISTING STABILIZED DECOMPOSED GRANITE INCLUDING AGGREGATE BASE TO 12" DEPTH AND INSTALLING PERMEABLE PAVERS WITH CLASS 2 PERMEABLE AGGREGATE BASE AND 2) SAWCUTTING, REMOVING AND DISPOSING OF CONCRETE PAVING, CURB AND GUTTER AND INSTALLING TRENCH DRAIN WITH NEW CURB AND GUTTER. ALL REMAINING CONCRETE PAVING, STRUCTURES, UNDERGROUND TRENCHES AND PIPING ARE TO REMAIN AND SHALL BE PRESERVED AND PROTECTED.

BID ALTERNATES

BID ALTERNATE - (PWC 8949)

ALTERNATE 1: REMOVE TOP 6" OF STABILIZED DECOMPOSED GRANITE WITH AGGREGATE BASE AT WALKWAY AND REPLACE WITH 6" CONCRETE OVER EXISTING BASE, INCLUDING INSTALLING DOUBLE SAILOR BRICK BAND AND REMOVE 4" OF STABILIZED DECOMPOSED GRANITE WITH AGGREGATE BASE AT RAMP AND REPLACE WITH 4" OF CONCRETE.

ALTERNATE 2: REMOVE TOP 6" OF STABILIZED DECOMPOSED GRANITE WITH AGGREGATE BASE AT WALKWAY, REPLACE WITH 6" CONCRETE OVER EXISTING BASE.

PROJECT NOTES:

- ALL WORK SHALL BE IN CONFORMANCE WITH THE PROJECT PLANS AND THESE PROJECT SPECIAL PROVISIONS.
- WHERE SPECIFIED, WORK SHALL BE IN CONFORMANCE WITH CALIFORNIA BUILDING CODE STANDARDS. REFER TO THE BUILDING PERMIT AND PROJECT SPECIFICATIONS FOR CLARITY ON BUILDING CODE SECTIONS THAT GOVERN WORK.
- ALL OTHER WORK SHALL BE IN CONFORMANCE WITH CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION, THESE PROJECT SPECIAL PROVISIONS AND THE CITY OF FREMONT STANDARD DETAILS AND SPECIFICATIONS.

GENERAL NOTES:

- AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CALL THE UNDERGROUND SERVICE ALERT FOR UTILITY LOCATIONS. PHONE: 1-800-227-2600.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS WITH THE APPROPRIATE UTILITY COMPANY.
- REFER TO OTHER SHEETS FOR ADDITIONAL NOTES AND LEGENDS PERTAINING TO SPECIFIC ITEMS OF WORK.
- THE CONTRACTOR IS ENCOURAGED TO USE RECLAIMED WATER GENERATED BY UNION SANITARY DISTRICT (USD) FOR CONSTRUCTION ACTIVITIES. FOR FURTHER INFORMATION, CONTACT USD AT (510) 477-7500.
- LOCATION OF EXISTING FACILITIES WERE TAKEN PARTIALLY FROM RECORDS AND MAY BE INCOMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING IN THEIR LOCALITY. THE UTILITY AGENCIES IN THE CITY OF FREMONT ARE:

ALAMEDA COUNTY WATER DISTRICT
43885 SOUTH GRIMMER BOULEVARD
FREMONT, CA 94537
PHONE: (510) 659-1970

TIME WARNER TELECOM
1340 TREAT BLVD, SUITE 100
WALNUT CREEK, CA 94597
PHONE: (925) 953-7093

UNION SANITARY DISTRICT (USD)
5072 BENSON ROAD
UNION CITY, CA 94587-2508
PHONE: (510) 477-7500

A T & T
870 N. MCCARTHY ROAD, CUBE
1.167
MILPITAS, CA 95035
PHONE: (408) 635-8831

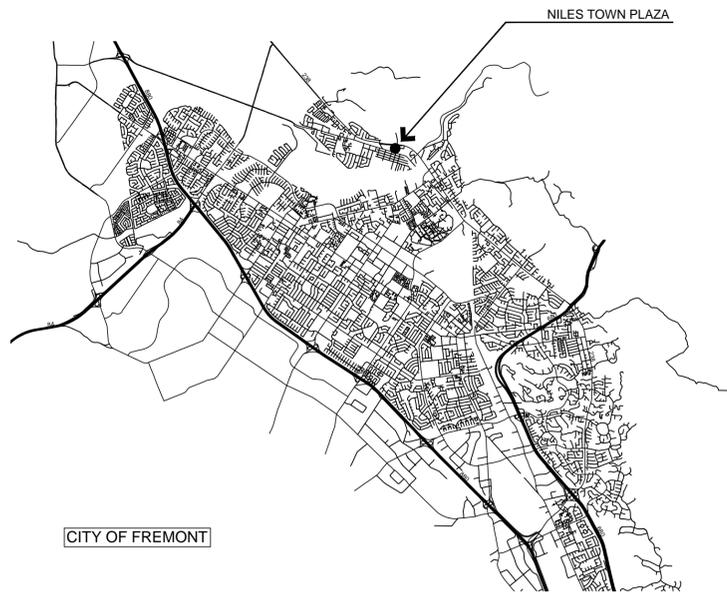
PACIFIC GAS & ELECTRIC CO.
41800 BOSCELL ROAD
FREMONT, CA 94538
PHONE: (510) 683-3025

COMCAST
8470 PARDEE ROAD
OAKLAND, CA 94621
PHONE: (510) 567-9213

XO COMMUNICATIONS
855 MISSION COURT
FREMONT, CA 94539
PHONE: (510) 580-6363

ALAMEDA COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
399 ELMHURST STREET
HAYWARD, CA 94545
PHONE: (510) 670-5429 (PERMIT)

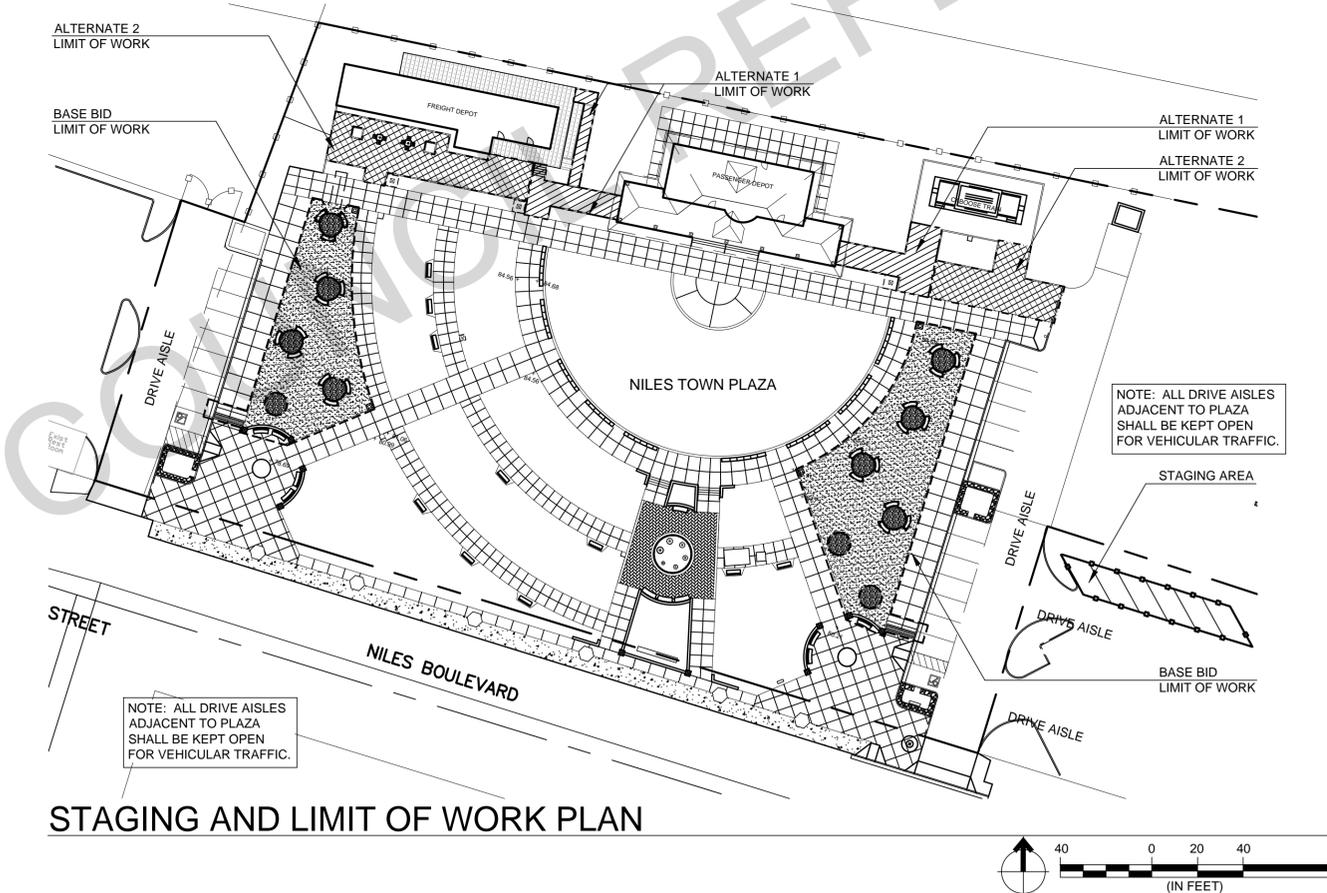
CITY OF HAYWARD/HAYWARD WATER DISTRICT (HWD)
777 B STREET
HAYWARD, CA 94541
PHONE: (510) 583-4719



LOCATION MAP



PROJECT MAP



STAGING AND LIMIT OF WORK PLAN

SCHEDULE OF DRAWINGS		
SHEET	DRAWING	DESCRIPTION
1	L0.1	TITLE SHEET, STAGING AND LIMIT OF WORK PLAN
2	L0.2	NOTES AND LEGEND
3	L1.1	EXISTING ELEVATION PLAN
4	L1.2	EXISTING UTILITY PLAN
5	L2.1	DEMOLITION PLAN
6	L2.2	DEMOLITION PLAN - ALTERNATE 1 + 2
7	L3.1	MATERIAL REFERENCE PLAN
8	L3.2	MATERIAL REFERENCE PLAN - ALTERNATE 1 + 2
9	L4.1	CONSTRUCTION DETAILS
10	L4.2	CONSTRUCTION DETAILS
11	L4.3	CONSTRUCTION DETAILS - ALTERNATE 1 + 2
12	L4.4	CONSTRUCTION DETAILS - FOR REFERENCE ONLY (PWC 8613E)



APPROVED: *Khandan Bahmani* 05-10-2018
KHANDAN BAHMANI, CITY ENGINEER DATE

REVIEWED: *Juan Barajas* 5-10-2018
JUAN BARAJAS, PARKS SUPERINTENDENT DATE

No.	DATE	REVISION	BY	APPD
△	05/11/2018	BID SET	JS	MM
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APPROVED - SENIOR LANDSCAPE ARCHITECT

NILES TOWN PLAZA PERMEABLE PAVER TITLE SHEET, STAGING AND LIMIT OF WORK PLAN

COMMUNITY SERVICES DEPARTMENT
LANDSCAPE ARCHITECTURE DIVISION

RECOMMENDED - PROJECT MANAGER

DATE: 05/11/2018

DATE: 05/11/2018

CITY PROJECT: PWC8949

FEDERAL PROJECT:

DESIGNED BY: JS

DRAWN BY: JS

SCALE: AS SHOWN

0 1" 1"
NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

DRAWING:

L0.1

SHEET 1 OF 12

ABBREVIATIONS

(ADDITIONAL ABBREVIATIONS MAY BE LOCATED ON SPECIFIC SHEETS)

AB/ASB	AGGREGATE BASE/SUBBASE	FL	FLOWLINE	QCV	QUICK COUPLER VALVE
AC	ASPHALT CONCRETE	FP	FENCE POST	R	RADIUS
BC	BOTTOM OF CURB	FS	FINISHED SURFACE	RCP	REINFORCED CONCRETE PIPE
BLDG	BUILDING	FTF	FACE TO FACE	ROW	RIGHT OF WAY
BM	BENCH MARK	GB	GRADE BREAK	RT	RIGHT
BMP	BEST MANAGEMENT PRACTICES	GR	GRATE	RW	RETAINING WALL
BW	BOTTOM OF WALK	GV	GAS VALVE	SC	SAW CUT
BPU	BACKFLOW PREVENTER UNIT	HVCAB	HIGH VOLTAGE CABINET	SG	SUBGRADE/TOP OF SUBGRADE
CIP	CAST IN PLACE	ICC	IRRIGATION CONTROL CABINET	SD	STORM DRAIN
CJ	COLD JOINT	INV	INVERT	SDE	STORM DRAIN EASEMENT
CLF	CHAIN LINK	IRCV	IRRIGATION REMOTE CONTROL	SDMH	STORM DRAIN MANHOLE
CL	CENTERLINE		VALVE	SHR	SHRUB
CLR	CLEAR	IRR	IRRIGATION SPRINKLER HEADS	SL	SLEEVE
CO	CLEANOUT	JB	JUNCTION BOX	SS	SPOT ELEVATIONS
COF	CITY OF FREMONT FIBER OPTICS	L.O.W.	LIMIT OF WORK	SPP.	SPECIES
CONC	CONCRETE	LV ELE	LOW VOLTAGE ELECTRICAL	SS	SANITARY SEWER
CONFG	CONFORM		FOR REMOTE CONTROL VALVES	SSE	SANITARY SEWER EASEMENT
COTG	CLEANOUT TO GRADE	LT	LEFT	SSMH	SANITARY SEWER MANHOLE
CP	CONCRETE PAD	MAX	MAXIMUM	SW	SIDEWALK
DG	DECOMPOSED GRANITE	MIN	MINIMUM	TB	TOP OF SLOPE
DJ	DEEP JOINT	MON	MONUMENT	TC	TOP OF CURB
DI	DRAINAGE INLET	MOW	MOWSTRIP	TEMP	TEMPORARY
DWY	DRIVEWAY	(N)	NEW ON CENTER	TG	TOP OF GRATE
DWTC	DRIVEWAY TOP OF CURB	NTS	NOT TO SCALE	T	TREE
(E)	EXISTING	OC	ON CENTER	TRF	TRAFFIC
EP	EDGE OF PAVEMENT	PA	PLANTING AREA	TS	TOE OF SLOPE
EPB	ELECTRICAL PULL BOX	PB/HH	PULLBOX / HAND HOLE	TVB	TELEVISION/CABLE BOX
EQ	EQUAL	PCC	PORTLAND CEMENT CONCRETE	TW	TOP OF WALL
E.S.	EQUAL SPACING	PLTR	PLANTER	TYP	TYPICAL
EX	EXISTING	PP	POWER POLE	VLT	VAULT
FCE	FENCE	PT	POINT	WM	WATER METER
FG	FINISHED GRADE	PVC	POLYVINYL CHLORIDE	WV	WATER VALVE
		QCV	QUICK COUPLER VALVE		

PROJECT NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID SUBMITTAL TO DETERMINE THE EXACT EXTENT AND DEPTH OF SITE DEMOLITION REQUIRED AND VERIFY COMPLIANCE WITH DRAWINGS. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
2. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL OF OBSTRUCTIONS AND SITE PREPARATIONS NECESSARY FOR THE PROPER EXECUTION OF ALL WORK CONTAINED IN THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE CITY REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT. NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
4. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND PROVIDE THE REQUIRED COORDINATION FOR THEIR TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE WHETHER TEMPORARY SERVICES ARE NECESSARY.
5. ALL EXISTING SITE AMENITIES ARE TO REMAIN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEM DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES TO ADJACENT PROPERTIES. THE DAMAGED ITEMS SHALL BE RESTORED TO AN "AS-WAS" OR BETTER CONDITION OR REPLACED PER THE DISCRETION OF THE CITY'S REPRESENTATIVE.
6. ALL (E) TREES, LAWN AND OTHER PLANTINGS LOCATED OUTSIDE THE LIMIT OF WORK LINE SHALL BE PRESERVED TO REMAIN AND BE PROTECTED.
7. THE CONTRACTOR IS TO PROTECT THE EXISTING DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
8. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING IRRIGATION BEFORE COMMENCING WORK. THE LOCATIONS OF IRRIGATION SYSTEM SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE DIAGRAMATIC OR APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE CITY. THE CONTRACTOR SHALL RECORD THESE DISCREPANCIES ON THE RECORD DRAWINGS.
9. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING IRRIGATION AND PROVIDE THE REQUIRED COORDINATION FOR THEIR TEMPORARY DISCONNECTION, PROTECTION, REMOVAL AND/OR STORAGE AS MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE CITY AND PROVIDE TEMPORARY IRRIGATION TO ADJACENT PLANTING AREAS IMPACTED BY CONSTRUCTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND REPLACEMENT OF ALL IRRIGATION CONTROL WIRING IMPACTED BY CONSTRUCTION. EXISTING AND PROPOSED IRRIGATION SHALL BE FULLY FUNCTIONAL PRIOR TO COMMENCEMENT OF PLANT ESTABLISHMENT PERIOD. CONTRACTOR SHALL BE RESPONSIBLE FOR IRRIGATION OF EXISTING PLANT MATERIAL DURING CONSTRUCTION.
11. ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR AND SKILLED WITH IRRIGATION WORK UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN.
12. ALL EXISTING PLANT MATERIALS ARE TO BE PROTECTED DURING CONSTRUCTION. PLANTS DAMAGED BY CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
13. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD AND CHALKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE CITY PRIOR TO CONSTRUCTION.
14. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
15. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY CITY REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
16. CONCRETE FINISHES SHALL BE AS NOTED PER DETAILS AND SPECIFICATIONS.
17. ALL FENCES AND GATES SHOWN ON PLAN ARE GRAPHIC REPRESENTATIONS; REFER TO DETAILS AND SPECIFICATIONS FOR PRECISE LOCATION AND/OR PLACEMENT.
18. FOR ALL LANDSCAPE DETAILS, SEE CONSTRUCTION DETAILS.
19. SYMBOL SHOWN FOR EXISTING TREES TO REMAIN OUTSIDE LIMITS OF WORK FOR REFERENCE ONLY. IT DOES NOT REFLECT TRUE CANOPY OR TRUNK SIZE.
20. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL PLANT MATERIAL FROM TIME OF DELIVERY TO TIME OF FINAL ACCEPTANCE. OWNER SHALL NOT BE RESPONSIBLE FOR LOSSES DUE TO VANDALISM, THEFT OR SEVERE WEATHER.

STAGING AND ACCESS NOTES

1. CONTRACTOR SHALL PROPOSE AND SUBMIT STAGING PLANS TO ENGINEER FOR APPROVAL 10 WORKING DAYS PRIOR TO CONSTRUCTION. A SUGGESTED STAGING AREA IS SHOWN IN PLANS.
2. STAGING AREA SHALL BE USED FOR STORAGE OF ALL CONTRACTOR EQUIPMENT, MATERIALS AND CITY-FURNISHED ITEMS.
3. PRIOR TO VEHICULAR EQUIPMENT ACCESS INTO THE SITE, THE CONTRACTOR MAY NEED TO PROTECT THE EXISTING SURFACES FROM DAMAGE. PROTECTIVE SHEETING OR PLATING TO PROTECT SURFACES SHALL BE PAID FOR IN ALL THE VARIOUS BID ITEMS OR WORK.
4. CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS AND CIRCULATION IN THE PARKING LOTS AT ALL TIME DURING CONSTRUCTION.
5. CONTRACTOR SHALL MAINTAIN MAIN PEDESTRIAN PATHWAY CIRCULATION AT ALL TIMES DURING CONSTRUCTION. ANY BLOCKAGES OR DETOURS SHALL BE REQUESTED IN WRITING OR PROPOSED ON PLAN.

GENERAL DEMOLITION NOTES

1. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AT STAGING AREA PRIOR TO BEGINNING OF WORK. EXISTING FENCE MAY BE UTILIZED WITH APPROVAL PROVIDING THAT THE SITE IS COMPLETELY SECURED.
2. CONFIRM ANY AFFECTED EXISTING IRRIGATION SYSTEM IS IN WORKING ORDER PRIOR TO THE COMMENCEMENT OF DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE ENTIRE SYSTEM IMPACTED BY CONSTRUCTION AND MAKE THE NECESSARY ADJUSTMENTS PRIOR TO DEMOLITION WORK.
3. UNLESS NOTED, ALL UTILITY BOXES, POLES AND FOOTINGS SHALL REMAIN AND BE PROTECTED. UTILITY BOXES AND DRAIN INLETS SHALL BE ADJUSTED AS NEEDED TO MEET NEW GRADES.
4. VERIFY IN FIELD THE LOCATION AND FUNCTIONALITY OF EXISTING CATCH BASINS OR DRAIN INLETS. NOTIFY ENGINEER IF THE LOCATION IS NOT SHOWN ON DRAWINGS OR IF CATCH BASINS ARE IN POOR CONDITION.
5. ALL EXISTING TURF, TREES, LANDSCAPE AND IRRIGATION TO BE PRESERVED IN PLACE, UNLESS OTHERWISE NOTED. ANY DAMAGE TO THE AFOREMENTIONED UTILITIES, OR OTHER CITY PROPERTY SHALL BE REPLACED IN KIND TO THE SATISFACTION OF THE ENGINEER.
6. REFER TO ARTICLE 15, SECTION 01 74 19 "CONSTRUCTION AND DEMOLITION DEBRIS MANAGEMENT" FOR REQUIRED CONSTRUCTION WASTE MANAGEMENT PRACTICES.

LAYOUT AND GRADING NOTES

1. COORDINATES AND DIMENSIONS PROVIDED FOR CONCRETE WORK ARE FOR INSIDE FACE OF CURB AND CENTER OF POST UNLESS OTHERWISE NOTED.
2. COORDINATE ALL CONSTRUCTION ELEMENTS PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE, AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING WORK.
3. PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVED SURFACES WITH A SMOOTH TRANSITION. LOW SPOTS WHICH HOLD STANDING WATER SHALL NOT BE PERMITTED AND WILL RESULT IN REMOVAL AND REPLACEMENT OF WORK (INCLUDING CONCRETE) TO ELIMINATE LOW SPOTS AT NO COST TO THE CITY.
4. CONTRACTOR SHALL RELOCATE AND RECONNECT IRRIGATION LATERALS, MAINLINES, AND VALVES, AND OTHER UTILITIES ENCOUNTERED DURING EXCAVATION AND GRADING. CONTRACTOR SHALL LAY OUT PROPOSED ROUTES FOR REVIEW AND APPROVAL BY PROJECT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ALL REVISED IRRIGATION TO ACCOMMODATE PROJECT REQUIREMENTS SHALL PROVIDE HEAD-TO-HEAD COVERAGE EVEN IF EXISTING CONDITIONS DID NOT HAVE HEAD-TO-HEAD COVERAGE. ALL IRRIGATION MATERIALS AND INSTALLATION SHALL BE PER CITY OF FREMONT'S LANDSCAPE STANDARD DETAILS OR PARK STANDARD DETAILS FOUND ON THE CITY'S WEBSITE, WWW.FREMONT.GOV. TRENCHING THROUGH EXISTING TREE ROOTS NOT ALLOWED.

PLOT DATE: May 11, 2018 -- 7:46am FILE: T:\LANDARCH\PROJECT DIRECTORY\PROJECT Pavers\DWG\Plan Set\8949_COVER.dwg

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CITY OF Fremont
 COMMUNITY SERVICES DEPARTMENT
 LANDSCAPE ARCHITECTURE DIVISION

APPROVED -- SENIOR LANDSCAPE ARCHITECT *Madhu M. Madhu* DATE 05/11/2018

NILES TOWN PLAZA PERMEABLE PAVER

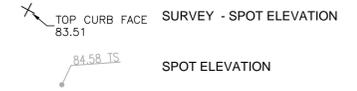
NOTES AND LEGEND

RECOMMENDED -- PROJECT MANAGER *[Signature]* DATE 05/11/2018

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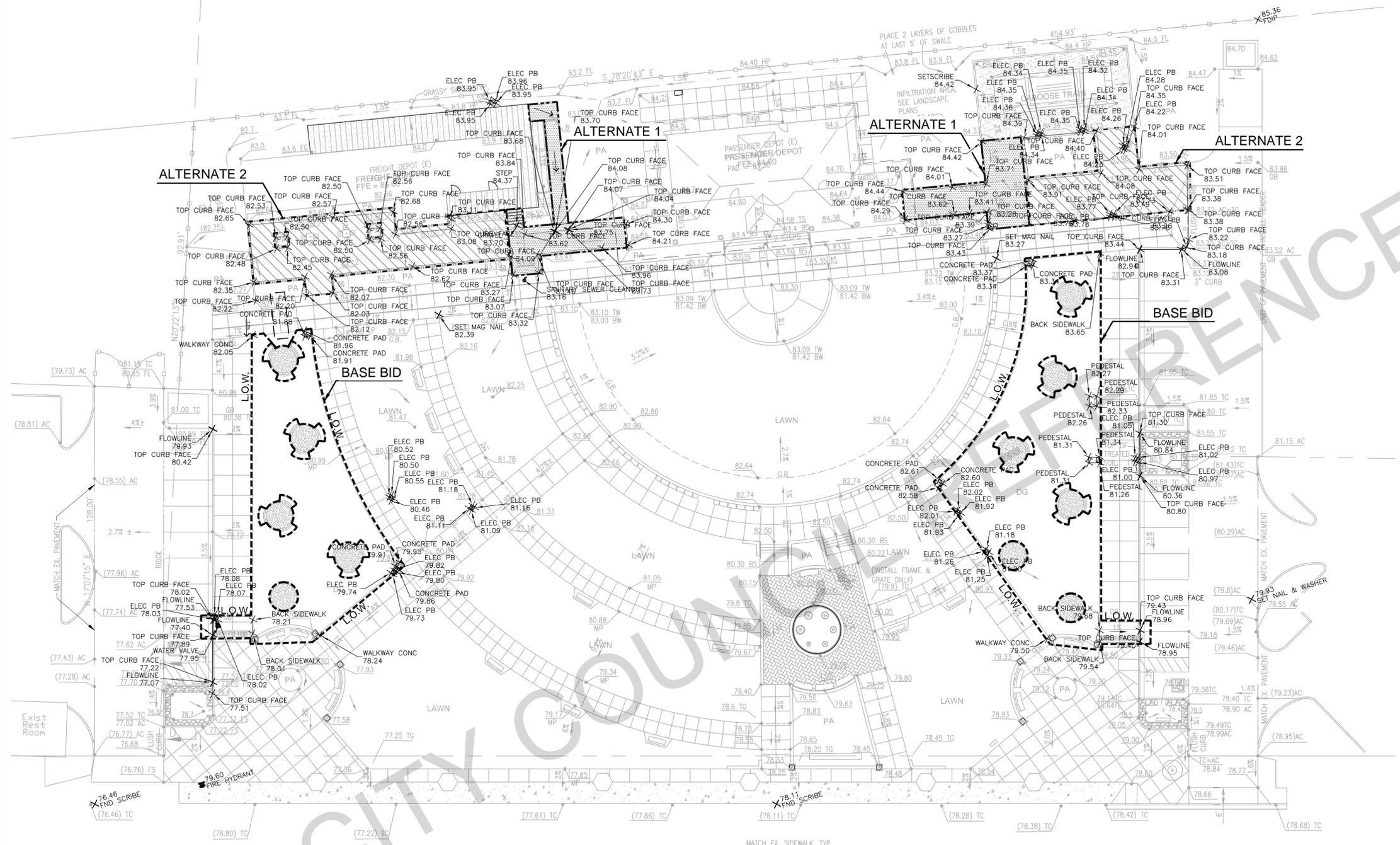
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EXISTING GRADING LEGEND:



GRADING NOTES:

- ALL WORK PERFORMED, WHETHER BASE BID OR, IF AWARDED, ALTERNATE 1 AND 2 WORK, SHALL CONFORM TO EXISTING CURB OR CONCRETE WORK. WHERE DISCREPANCIES ARISE, CONTACT CITY'S ENGINEER, LANDSCAPE ARCHITECT OR THEIR DESIGNEE FOR RESOLUTION.



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NILES TOWN PLAZA PERMEABLE PAVER

EXISTING ELEVATIONS PLAN

COMMUNITY SERVICES DEPARTMENT
LANDSCAPE ARCHITECTURE DIVISION

APPROVED - SENIOR LANDSCAPE ARCHITECT
Mad Men

DATE: 05/11/2018

RECOMMENDED - PROJECT MANAGER
[Signature]

DATE: 05/11/2018

CITY PROJECT: PWC8949		SCALE: AS SHOWN
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SHEET 3 OF 12

FILE: T:\LANDARCH\PROJECT DIRECTORY\Niles Town Plaza Permeable Pavers\DWG\Plan Set\8949_01_UTILITY PLAN.dwg

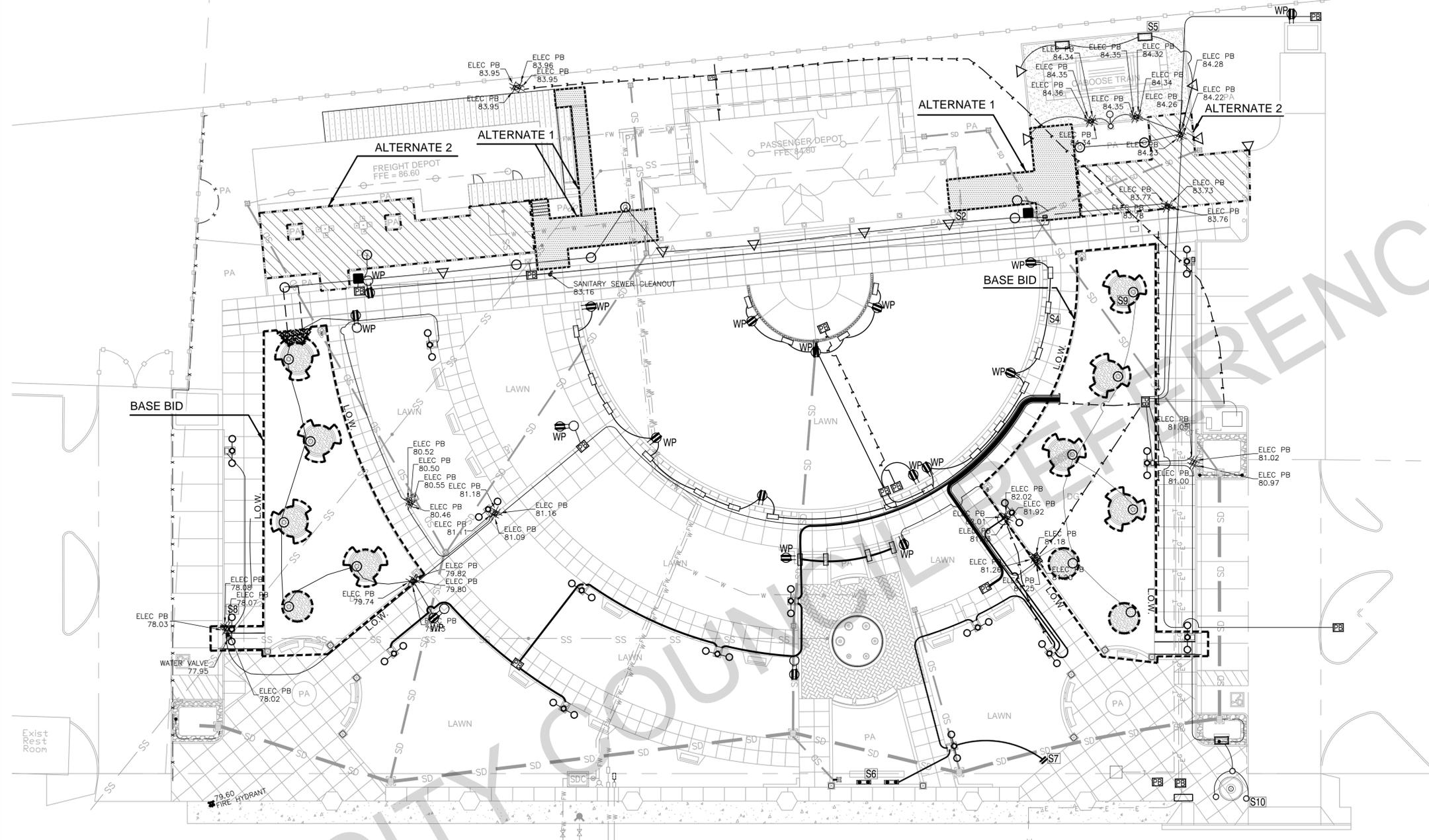
EXISTING UTILITY LEGEND:

- - - - - EXISTING ELECTRICAL TRENCH - ASSUMED 2' WIDTH HOLDING TELEPHONE, ELECTRICAL, AND GAS.
- G - G - G - EXISTING GAS
- T - T - T - EXISTING TELEPHONE
- FW - FW - FW - EXISTING POTABLE WATER LINE
- W - W - W - EXISTING POTABLE WATER LINE
- SS - - - - EXISTING SANITARY SEWER LINE
- SD - - - - EXISTING STORM DRAIN LINE
- - - - - EXISTING ELECTRICAL LINE

EXISTING SITE FIXTURE SCHEDULE:

SITE FIXTURE SCHEDULE								
TYPE	SYMBOL	MANUFACTURER	CATALOG NUMBER	VOLTAGE	MAX VA	LAMPING	MOUNTING	DESCRIPTION
S1	○	HYREL	9630D-UP-35CM4-120-MFL-FLC-GB	120	45	35CM4 MH	RECESSED UPLIGHT	FLUSH-MTD UPLIGHT
S2	▽	BEGA	8856MH	120	46	35W-14 MH	INGRADE	PATH LIGHT
S3	○	SPRING CITY	PS19-FSB	-	-	-	POLE	REPLACEMENT ACORN GLOBE CAT.# SHALL BE VERIFIED BY CONTRACTOR
S4	□	BK LIGHTING	B-CO-GU-164-BZF-B	120	50	GU10	RECESSED WALL LIGHT	STEP LIGHT
S5	□	HYREL	7000-35MT6-120-FL-KM-FJB-GS	120	44	35MT6	KNUCKLE MOUNT	FLOOD LIGHT
S6	□	LUMUX	LF400-(2)15-28W-120-SILVER	120	60	(2)15-28W	PERMA POST	SIGN LIGHTING. PROVIDE PERMA POST MOUNTING CATALOG# FLOOD-POST-18 & GLARE SHIELD CATALOG# FLOOD-GS
S7	—	LIGHT WLD LINEARS	LW-PLN-CW-24-LN	120	7	COOL WHITE LED	SEE DETAILS	LED STRIP 24" FOR KIOSK, WITH INLINE DRIVER
S8	○	KING LUMINAIRE	K204-EGS-III-100(MED)-MH-208-KPL20-BK	208	220	(2)100W MH	POLE W/DOUBLE PENDANT	TWIN ARM-KA30-1-2-4, 15' ALUMINUM POLES KM96-FC-15-BK PROVIDE HAND HOLE ON POLE PROVIDE ELECTRONIC BALLAST FOR LAMP.
S9	○	HYREL	M9410-B-35CM4-120-MFL-FLC-BTR-GB-B2	120	45	35CM4MH	RECESSED UPLIGHT	FLUSH MOUNTED UPLIGHT
S10	○	GREENLEC	RSD-100MH-120-SFF-SCE-SRL-TR	120	110	(1)100W MH	INGRADE UPLIGHT	INGRADE UPLIGHT FOR FLAG POLE LIGHTING. PROVIDE (2)KEYS FOR TAMPER RESISTANT FASTENERS TO CITY OF FREMONT. MODEL-TR-KEY

WP EXISTING WALL PACK



NILES BOULEVARD



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NILES TOWN PLAZA PERMEABLE PAVER

EXISTING UTILITY PLAN

COMMUNITY SERVICES DEPARTMENT
LANDSCAPE ARCHITECTURE DIVISION

APPROVED - SENIOR LANDSCAPE ARCHITECT

DATE 05/11/2018

RECOMMENDED - PROJECT MANAGER

DATE 05/11/2018

CITY PROJECT: PWC8949

FEDERAL PROJECT:

DESIGNED BY: JS
CHECKED BY: MM/JS

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DATE: 05/11/2018

SCALE: AS SHOWN

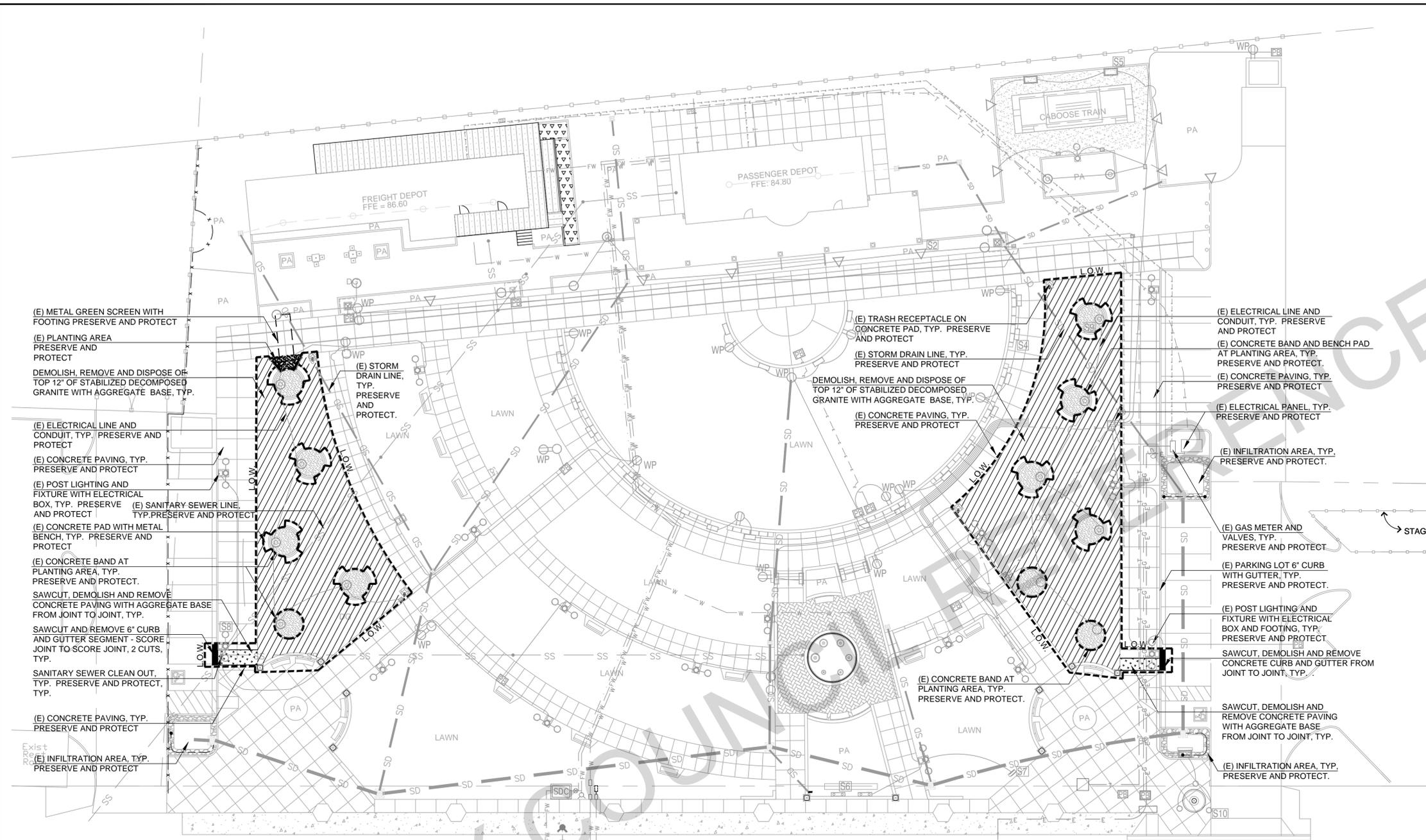
0 1" = 1' (IN FEET)
NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

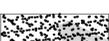
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SHEET 4 OF 12

PLOT DATE: May 11, 2018 - 7:50am FILE: T:\LANDARCH\PROJECT DIRECTORY\Niles Town Plaza Permeable Pavers\DWG\Plan Set\8949_DEMOLITION.dwg



- DEMOLITION LEGEND:**
-  DEMOLISH, REMOVE AND DISPOSE OF TOP 12" OF STABILIZED DECOMPOSED GRANITE WITH AGGREGATE BASE
 -  SAW CUT, DEMOLISH AND REMOVE CONCRETE PAVING WITH AGGREGATE BASE FROM JOINT TO JOINT, TYP.
 -  SAW CUT, DEMOLISH AND REMOVE CONCRETE CURB AND GUTTER, FROM JOINT TO JOINT, TYP.
 -  EXISTING CONCRETE PAVING TO REMAIN, TYP. PRESERVE AND PROTECT.
 -  EXISTING STABILIZED DECOMPOSED GRANITE, TYP. PRESERVE AND PROTECT.

- DEMOLITION NOTES:**
- 1) UNDERGROUND UTILITIES ARE SHOWN DIAGRAMMATICALLY. THE CONTRACTOR IS RESPONSIBLE FOR POT HOLING TO VERIFY LOCATIONS OF EXISTING UTILITIES. IF UTILITIES ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT INSPECTOR AND DETERMINE THE NEXT COURSE OF ACTION.
 - 2) ALL EXISTING STRUCTURES AND UTILITIES NOT CALLED OUT OR SLATED FOR DEMOLITION AND REMOVAL SHALL BE PRESERVED AND PROTECTED. IF DAMAGE OCCURS, REPLACEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPLACED IN KIND WITH APPROVAL BY ENGINEER.
 - 3) ALL EXCAVATED MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF PROPERLY OFF SITE.



No.	DATE	REVISION	BY	APPD
1	05/11/2018	BID SET	JS	MM



NILES TOWN PLAZA PERMEABLE PAVER
DEMOLITION PLAN
 COMMUNITY SERVICES DEPARTMENT
 LANDSCAPE ARCHITECTURE DIVISION

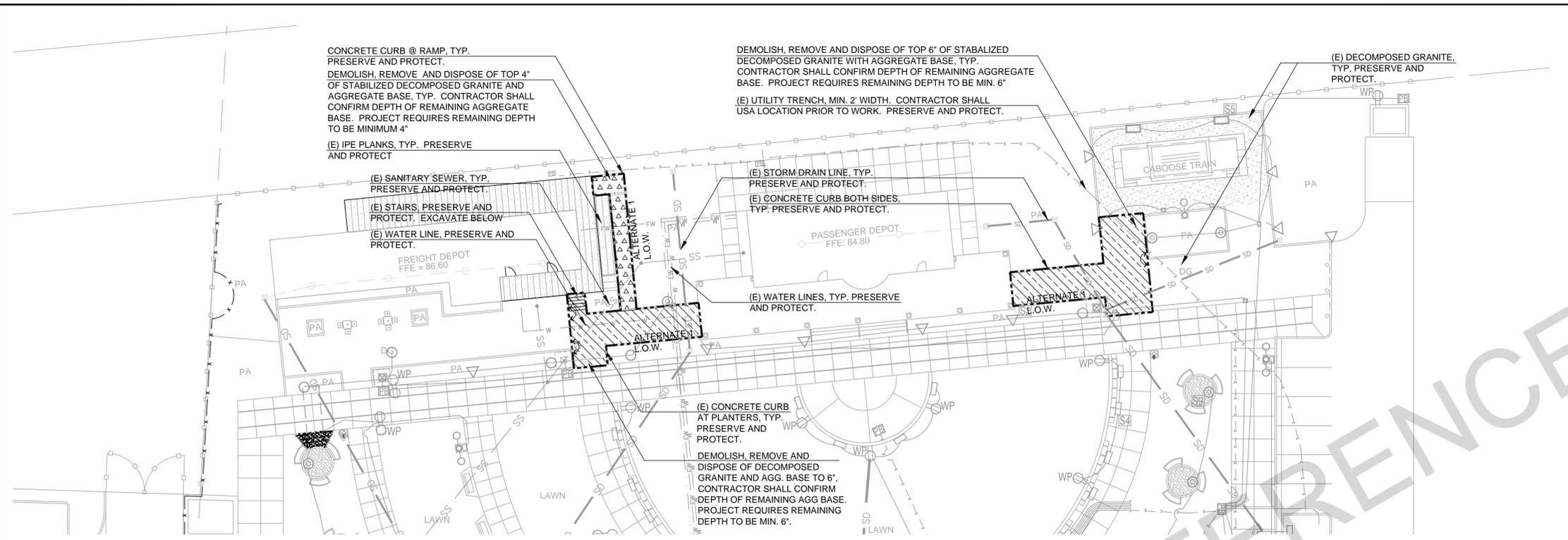
APPROVED - SENIOR LANDSCAPE ARCHITECT *Mad Men* DATE 05/11/2018
 RECOMMENDED - PROJECT MANAGER *[Signature]* DATE 05/11/2018

CITY PROJECT: PWC8949	SCALE: AS SHOWN	DRAWING: L2.1
FEDERAL PROJECT:	0 ----- 1'	
DESIGNED BY: JS	CHECKED BY: MM/JS	
DRAWN BY: JS	DATE: 05/11/2018	

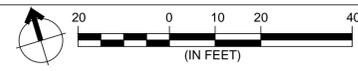
NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

SHEET 5 OF 12

PLOT DATE: May 11, 2018 - 7:50am FILE: T:\LANDARCH\PROJECT DIRECTORY\T\W\W\8949 Niles Town Plaza Permeable Pavers\DWG\Plan Set\8949_DEMOLITION.dwg



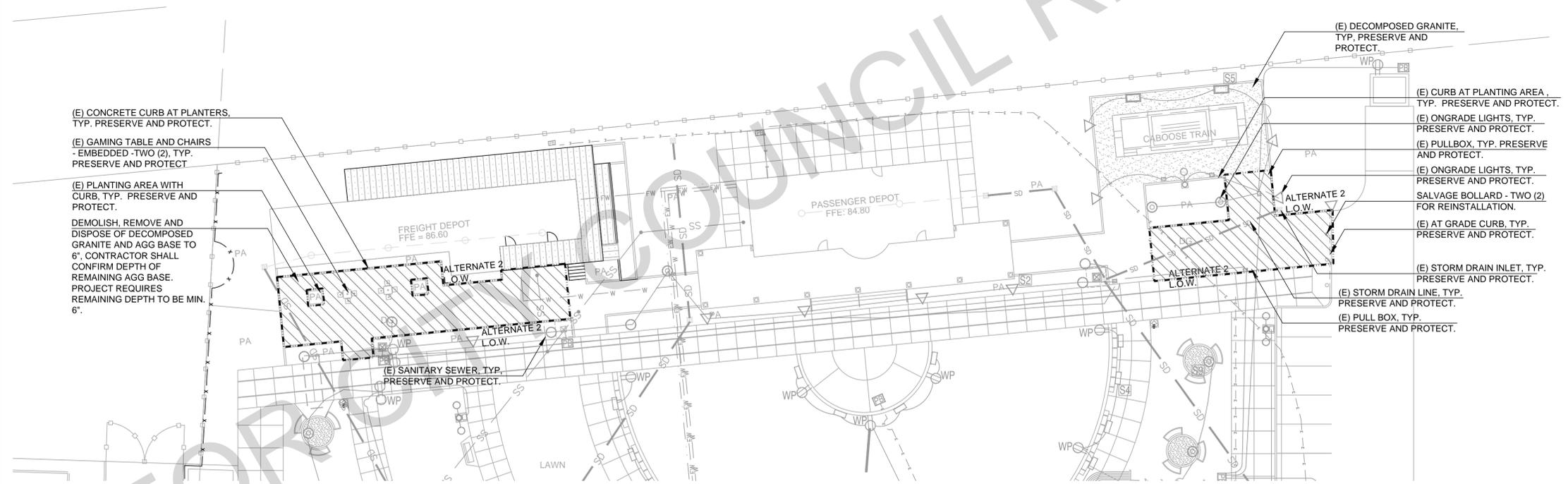
1 ALTERNATE 1 - DEMOLITION - STABILIZED DECOMPOSED GRANITE DEMOLITION



- ALTERNATE 1 - DEMOLITION LEGEND:**
- DEMOLISH, REMOVE AND DISPOSE OF TOP 6" OF STABILIZED DECOMPOSED GRANITE WITH AGGREGATE BASE, TYP.
 - DEMOLISH, REMOVE AND DISPOSE OF TOP 4" OF STABILIZED DECOMPOSED GRANITE AND AGGREGATE BASE, TYP.
 - EXISTING STABILIZED DECOMPOSED GRANITE TO REMAIN, TYP. PRESERVE AND PROTECT.
 - EXISTING CONCRETE PAVING TO REMAIN, TYP. PRESERVE AND PROTECT.

- ALTERNATE 2 - DEMOLITION LEGEND:**
- DEMOLISH, REMOVE AND DISPOSE OF TOP 6" OF STABILIZED DECOMPOSED GRANITE WITH AGGREGATE BASE, TYP. CONTRACTOR SHALL CONFIRM DEPTH OF REMAINING AGGREGATE BASE. PROJECT REQUIRES REMAINING DEPTH TO BE MIN. 6".
 - EXISTING STABILIZED DECOMPOSED GRANITE TO REMAIN, TYP. PRESERVE AND PROTECT.
 - EXISTING CONCRETE PAVING TO REMAIN, TYP. PRESERVE AND PROTECT.

- DEMOLITION NOTES:**
- 1) UNDERGROUND UTILITIES ARE SHOWN DIAGRAMMATICALLY. THE CONTRACTOR IS RESPONSIBLE FOR POT HOLING TO VERIFY LOCATIONS OF EXISTING UTILITIES. IF UTILITIES ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT INSPECTOR AND DETERMINE THE NEXT COURSE OF ACTION.
 - 2) ALL EXISTING STRUCTURES AND UTILITIES NOT CALLED OUT OR SLATED FOR DEMOLITION AND REMOVAL SHALL BE PRESERVED AND PROTECTED. IF DAMAGE OCCURS, REPLACEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPLACEMENT IN KIND WITH APPROVAL BY ENGINEER.
 - 3) ALL EXCAVATED MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF PROPERLY OFF SITE.



2 ALTERNATE 2 - DEMOLITION - STABILIZED DECOMPOSED GRANITE DEMOLITION



No.	DATE	REVISION	BY	APPD
△	05/11/2018	BID SET	JS	MM
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NILES TOWN PLAZA PERMEABLE PAVER
DEMOLITION PLAN - ALTERNATE 1 + 2
 COMMUNITY SERVICES DEPARTMENT
 LANDSCAPE ARCHITECTURE DIVISION

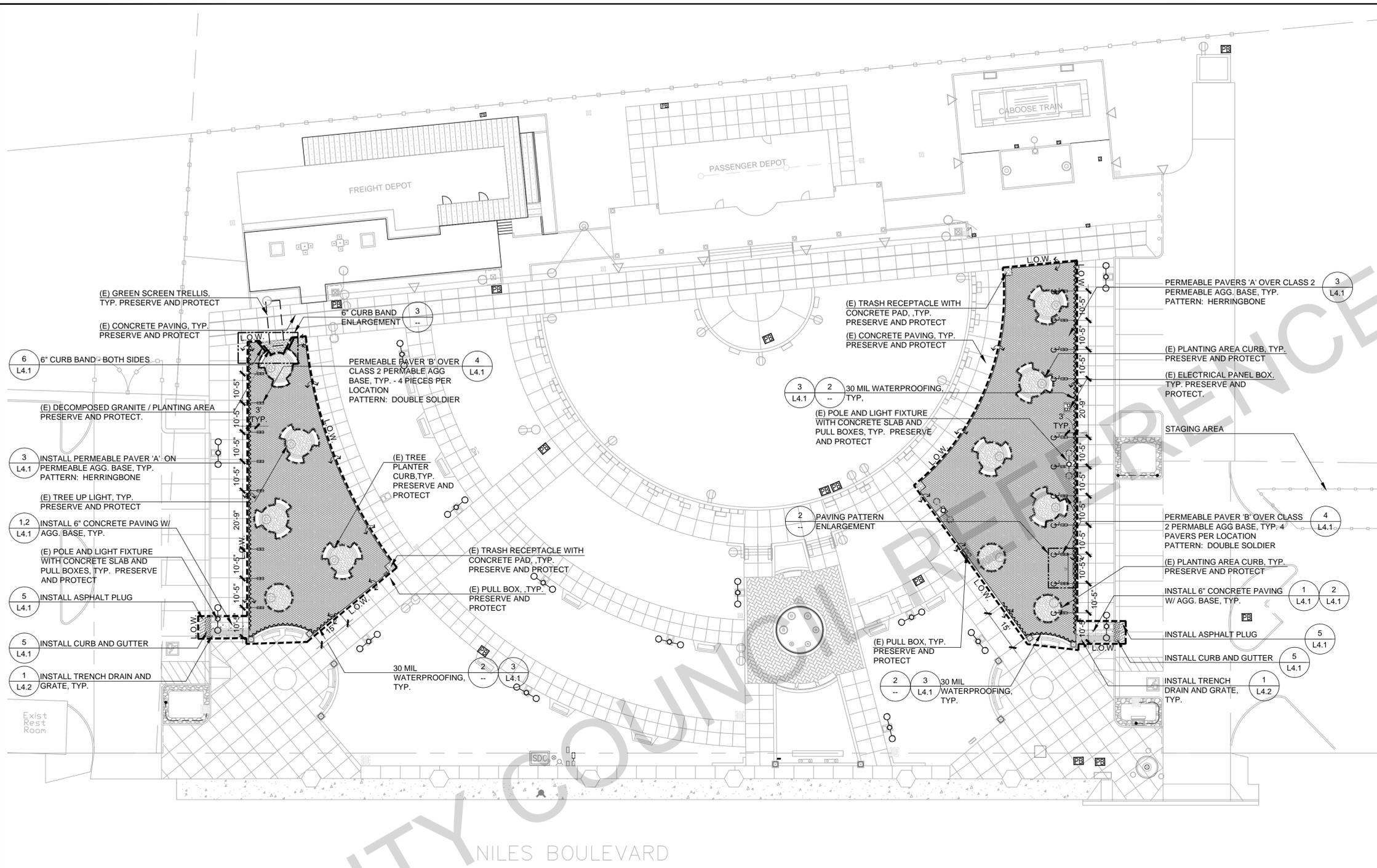
DATE: 05/11/2018 RECOMMENDED - PROJECT MANAGER DATE: 05/11/2018

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FEDERAL PROJECT:	0 ----- 1'	
DESIGNED BY: JS	CHECKED BY: MM/JS	
DRAWN BY: JS	DATE: 05/11/2018	

NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

SHEET 6 OF 12

PLOT DATE: May 11, 2018 - 8:09pm FILE: T:\LANDARCH\PROJECT DIRECTORY\Niles Town Plaza Permeable Pavers\DWG\Plan Set\8949_MATERIAL_REFERENCE.dwg

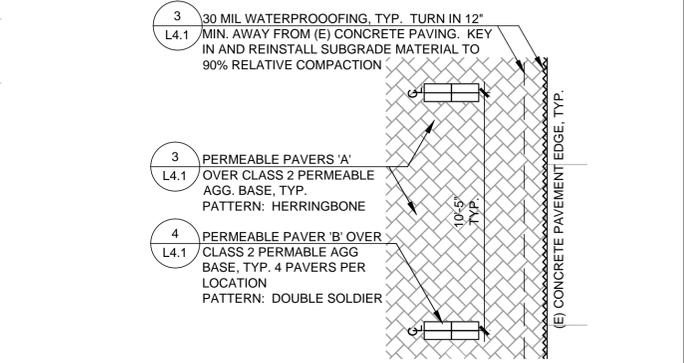


MATERIALS LEGEND:

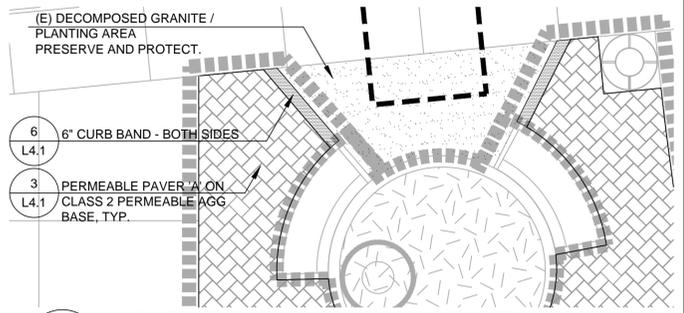
	INSTALL PERMEABLE PAVERS A + B WITH CLASS 2 PERMEABLE AGG. BASE, TYP.	2	3	4
	INSTALL 6" CONCRETE PAVING, TYP.	1	2	
	INSTALL TRENCH DRAIN AND GRATE, TYP.	1		
	INSTALL CURB AND GUTTER, TYP.	5		
	INSTALL ASPHALT PLUG, TYP.	5		
	INSTALL 6" CURB, TYP.	6		
	30 MIL WATERPROOFING @ EDGE OF (E) CONCRETE PAVING AND WALL. CONTRACTOR SHALL VERIFY LIMIT OF INSTALLATION WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.	2	3	
	EXISTING DECOMPOSED GRANITE, TYP. PRESERVE AND PROTECT			
	EXISTING CONCRETE PAVING, TYP. PRESERVE AND PROTECT			

NOTES:

- ALL WORK PERFORMED, WHETHER BASE BID OR, IF AWARDED, ALTERNATE 1 AND 2 WORK, SHALL CONFORM TO EXISTING CURB OR CONCRETE WORK. WHERE DISCREPANCIES ARISE, CONTACT CITY'S ENGINEER OR LANDSCAPE ARCHITECT FOR RESOLUTION. SEE SHEET L1.1 FOR EXISTING GRADES.
- ALL EXISTING STRUCTURES AND UTILITIES NOT CALLED OUT OR SLATED FOR DEMOLITION AND REMOVAL SHALL BE PRESERVED AND PROTECTED. IF DAMAGE OCCURS, REPLACEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPLACEMENT IN KIND WITH APPROVAL BY ENGINEER.



2 PAVER PATTERN ENLARGEMENT
SCALE: 1/4" = 1'-0"



3 6" CURB BAND ENLARGEMENT
SCALE: 1/4" = 1'-0"

1 SITE MATERIAL REFERENCE PLAN



No.	DATE	REVISION	BY	APPD
1	05/11/2018	BID SET	JS	MM



NILES TOWN PLAZA PERMEABLE PAVER

MATERIAL REFERENCE PLAN

COMMUNITY SERVICES DEPARTMENT
LANDSCAPE ARCHITECTURE DIVISION

APPROVED - SENIOR LANDSCAPE ARCHITECT
Mad Men

DATE: 05/11/2018

RECOMMENDED - PROJECT MANAGER
[Signature]

DATE: 05/11/2018

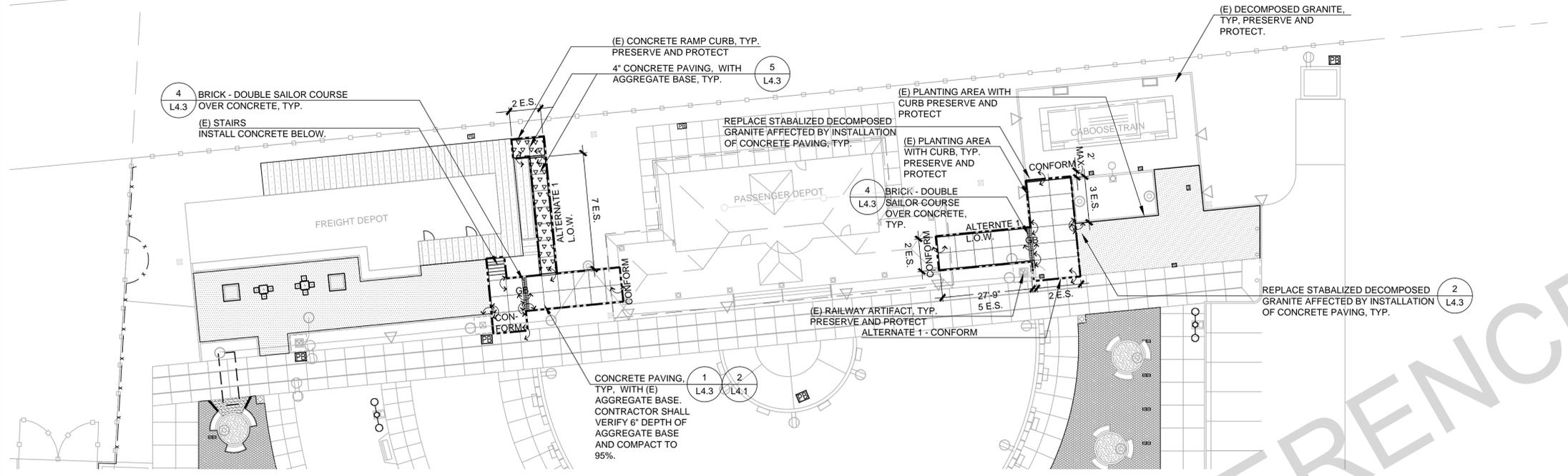
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FEDERAL PROJECT:		DESIGNED BY:	JS
		CHECKED BY:	MM/JS
		DRAWN BY:	JS
		DATE:	05/11/2018

0 |-----| 1'
NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

L3.1

SHEET 7 OF 12

PLOT DATE: May 11, 2018 - 8:09pm FILE: T:\LANDARCH\PROJECT DIRECTORY\T\W\8949 Niles Town Plaza Permeable Pavers\DWG\Plan Set\8949_MATERIAL_REFERENCE.dwg



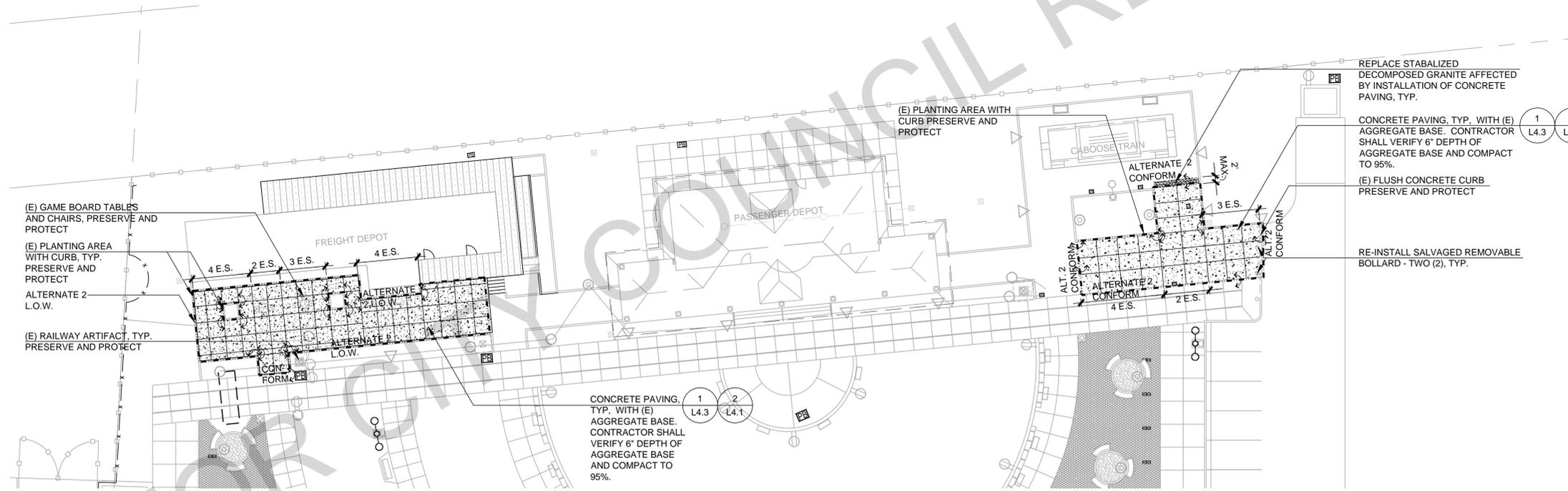
1 ALTERNATE 1 - INSTALL CONCRETE PAVING WITH BRICK COURSE



- ALTERNATE 1 - MATERIALS LEGEND:**
- 6" CONCRETE PAVING OVER EXISTING AGGREGATE BASE. CONTRACTOR SHALL VERIFY MINIMUM DEPTH OF 6" OF AGGREGATE BASE AND COMPACTION RATE OF 95%. (1 L4.3) (2 L4.1)
 - 4" OVER 4" CONCRETE PAVING WITH AGGREGATE BASE, TYP. (5 L4.3)
 - BRICK - DOUBLE SAILOR COURSE OVER CONCRETE, TYP. (4 L4.3)
 - EXISTING DECOMPOSED GRANITE, TYP. PRESERVE AND PROTECT
 - EXISTING CONCRETE PAVING, TYP. PRESERVE AND PROTECT

- ALTERNATE 2 - MATERIALS LEGEND:**
- 6" CONCRETE PAVING OVER EXISTING AGGREGATE BASE. CONTRACTOR SHALL VERIFY MINIMUM DEPTH OF 6" OF AGGREGATE BASE AND COMPACTION RATE OF 95%. (1 L4.3) (2 L4.1)
 - EXISTING DECOMPOSED GRANITE, TYP. PRESERVE AND PROTECT
 - EXISTING CONCRETE PAVING, TYP. PRESERVE AND PROTECT

- NOTES:**
- 1) ALL WORK PERFORMED, WHETHER BASE BID OR, IF AWARDED, ALTERNATE 1 AND 2 WORK, SHALL CONFORM TO EXISTING CURB OR CONCRETE WORK. WHERE DISCREPANCIES ARISE, CONTACT CITY'S ENGINEER OR LANDSCAPE ARCHITECT FOR RESOLUTION. SEE SHEET L1.1 FOR EXISTING GRADES.
 - 2) ALL EXISTING STRUCTURES AND UTILITIES NOT CALLED OUT OR SLATED FOR DEMOLITION AND REMOVAL SHALL BE PRESERVED AND PROTECTED. IF DAMAGE OCCURS, REPLACEMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPLACEMENT IN KIND WITH APPROVAL BY ENGINEER.



2 ALTERNATE 2 - INSTALL CONCRETE PAVING



No.	DATE	REVISION	BY	APPD
△	05/11/2018	BID SET	JS	MM
△				
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NILES TOWN PLAZA PERMEABLE PAVER MATERIAL REFERENCE PLAN - ALTERNATE 1 + 2

COMMUNITY SERVICES DEPARTMENT
LANDSCAPE ARCHITECTURE DIVISION

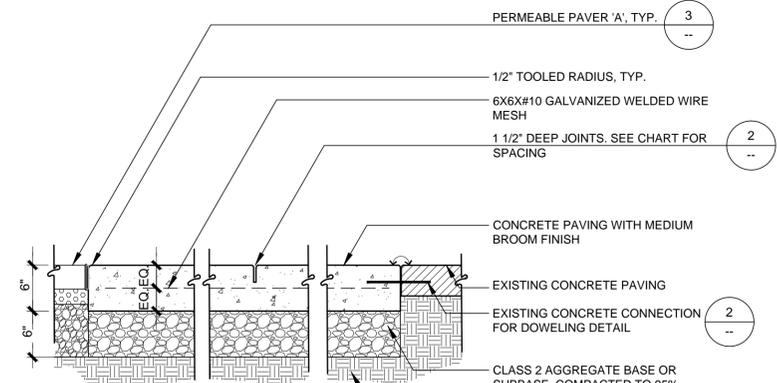
APPROVED - SENIOR LANDSCAPE ARCHITECT *Mad Men* DATE 05/11/2018 RECOMMENDED - PROJECT MANAGER *[Signature]* DATE 05/11/2018

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FEDERAL PROJECT:	0 ----- 1'	
DESIGNED BY: JS	CHECKED BY: MM/JS	
DRAWN BY: JS	DATE: 05/11/2018	

NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

SHEET 8 OF 12

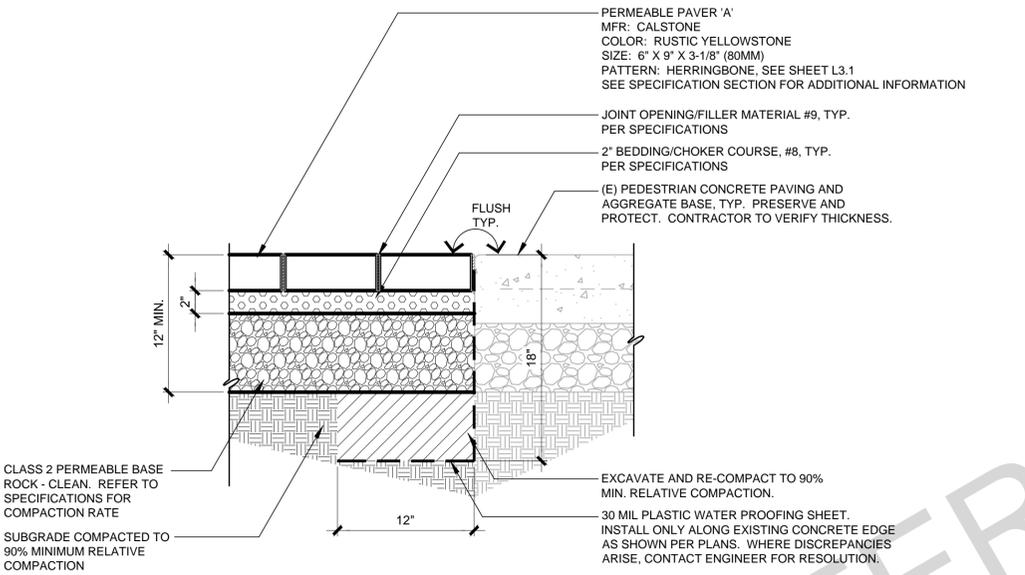
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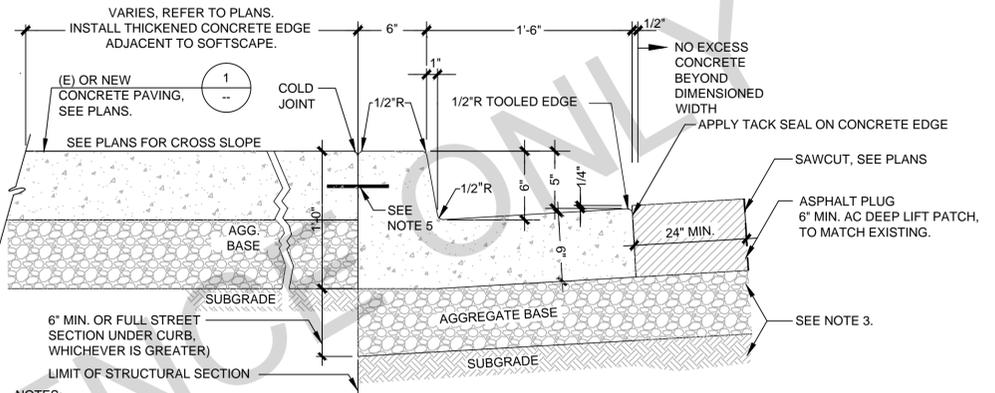
PAVEMENT WIDTH	DEEP JOINT SPACING	SCORE JOINT
10'	10' OC	NONE
8'	8' OC	NONE
6'	6' OC	NONE
5'	10' OC	YES*
4'	8' OC	YES*

*ALL SCORE JOINTS SHALL BE MIDWAY BETWEEN DEEP JOINT SPACING.

- NOTES:
- MEDIUM BROOM FINISH PERPENDICULAR TO WALK DIRECTION UNLESS OTHERWISE SHOWN ON PLAN.
 - CROSS SLOPE SHALL BE 1.8% WITH A TOLERANCE OF +/-0.2%, AND NOT EXCEEDING 2% OR FALLING UNDER 1.5% UNLESS OUTSIDE PATH OF TRAVEL.
 - REFER TO CHART FOR ON-CENTER SPACING OF DEEP JOINTS AND SCORE JOINTS, IF REQUIRED. THE ADJACENT CHART IS A RECOMMENDED GUIDE FOR JOINT PLACEMENT.
 - ALL WELDED WIRE MESH IS TO BE PRE-SET. NO WET SETTING, HOOKING OR LIFTING OF MESH ALLOWED. MESH IS TO BE SET IN THE MIDDLE OF THE CONCRETE SECTION.
 - SCORE JOINTS SHALL BE TOOLED. NO SAWCUTTING ALLOWED.
 - SCORE JOINTS SHALL BE 1/4" WIDE x 1/2" DEEP.
 - WITH THE APPROVAL OF THE CITY LANDSCAPE ARCHITECT, EXPANSION JOINTS MAY OCCUR AT THE JUNCTION BETWEEN FLAT AND VERTICAL CONCRETE SURFACES.



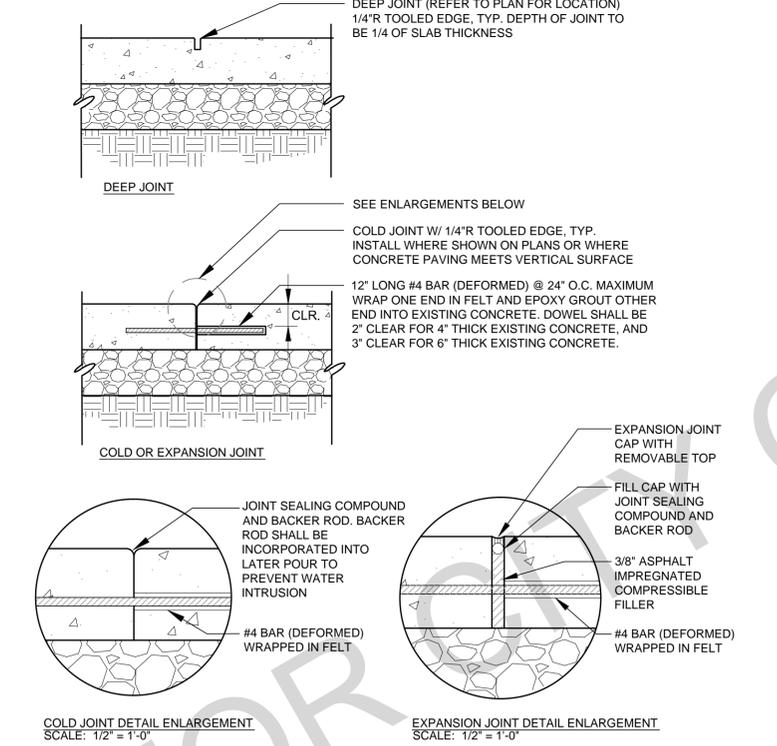
3 PERMEABLE PAVER 'A' ON PERMEABLE AGGREGATE BASE
SCALE: 1-1/2" = 1'-0"



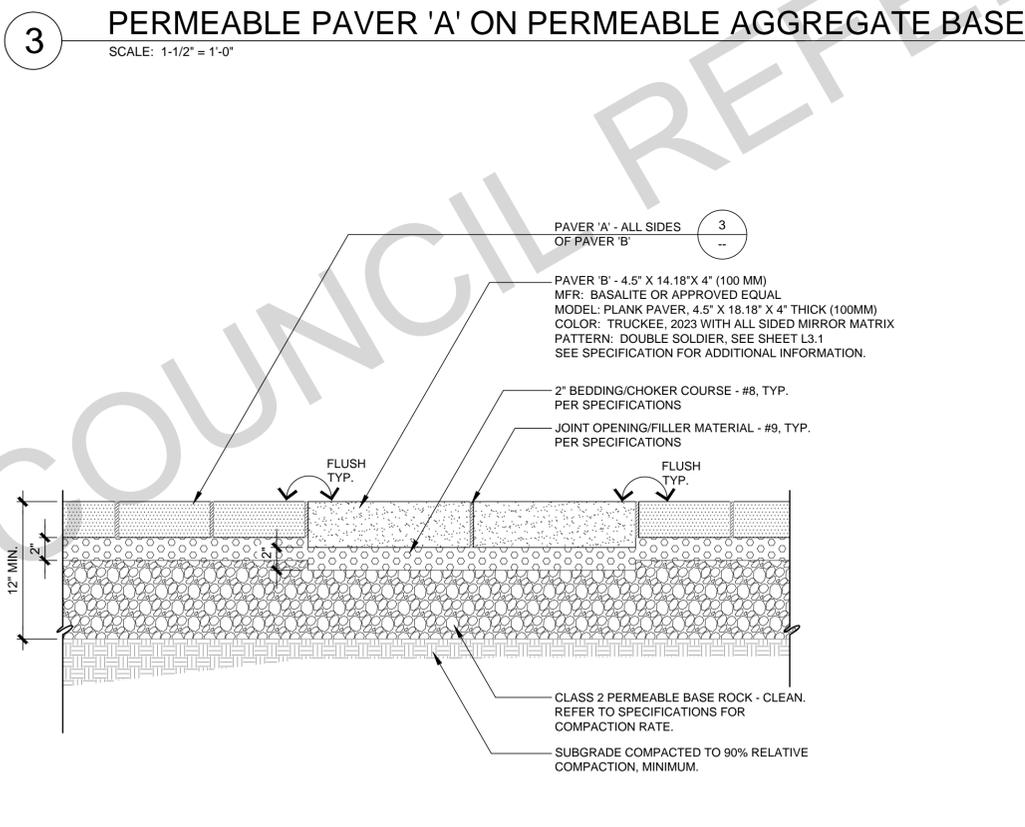
- NOTES:
- SURFACE OF WALKS, CURBS, CURB FACES, AND GUTTERS SHALL BE TRUE AND STRAIGHT, OF UNIFORM WIDTH, AND FREE OF IRREGULARITIES. THE SURFACES SHALL NOT VARY MORE THAN 0.01 FOOT FROM THE EDGE OF A 10-FOOT LONG STRAIGHTEDGE.
 - CURB AND SIDEWALK SHALL NOT BE PLACED IN MONOLITHIC POUR. USE NO. 3 REBAR DOWELS 9" LONG @ 2'-0" CENTERS. EPOXY IF DRILLED.
 - COMPACT AGGREGATE BASE IN THE PARKING LOT AND UNDER THE CURB TO 95% RELATIVE COMPACTION (MIN). COMPACT AGGREGATE SUBBASE AND/OR AGGREGATE BASE UNDER THE SIDEWALK TO 95% RELATIVE COMPACTION (MIN). COMPACT ALL SUBGRADE FROM 90% RELATIVE COMPACTION (MIN) TO 95% RELATIVE COMPACTION (MAX).
 - CONCRETE SHALL BE 6 SACK.
 - INSTALL DOWEL JOINTS. SEE DETAIL 2, SHEET L4.1.

5 TYPE "B" CURB, GUTTER WITH SIDEWALK @ PARKING
SCALE: 1-1/2" = 1'-0"

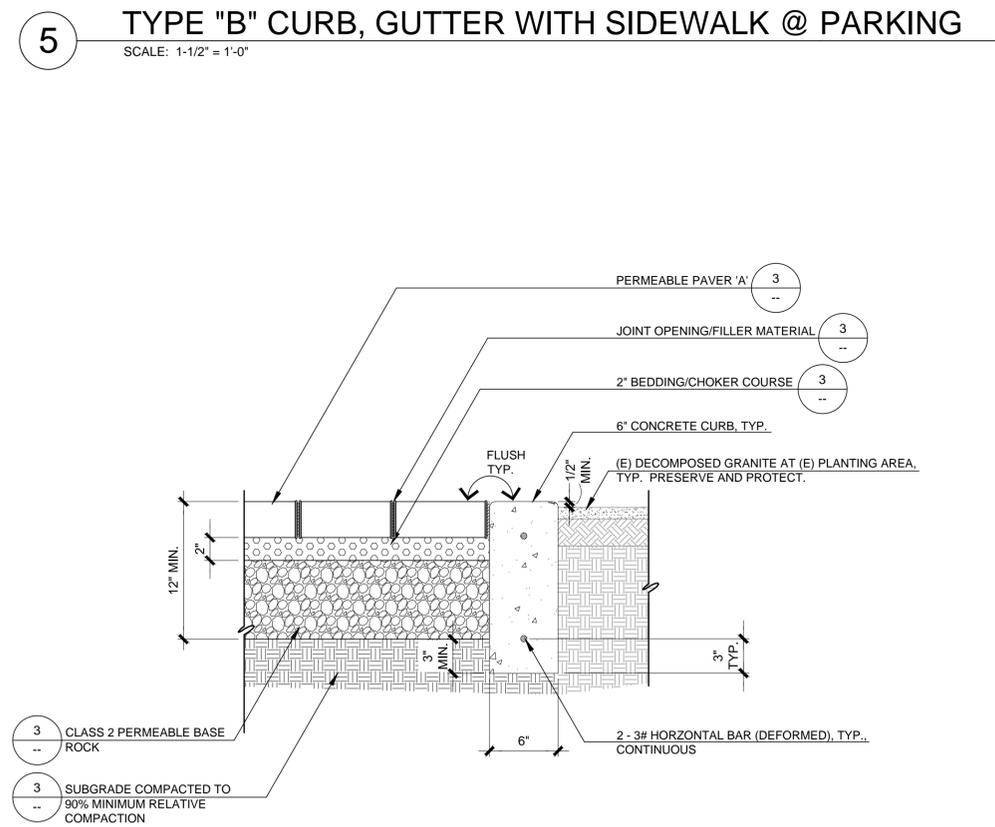
1 6" CONCRETE PAVING
SCALE: 1" = 1'-0"



2 CONCRETE JOINTS
SCALE: 1" = 1'-0"



4 PERMEABLE PAVER 'B' ON PERMEABLE AGGREGATE BASE
SCALE: 1-1/2" = 1'-0"



6 6" CURB BAND AT PERMEABLE PAVERS/(E) PLANT AREA
SCALE: 1-1/2" = 1'-0"

No.	DATE	REVISION	BY	APPD
1	05/11/2018	BID SET	JS	MM



NILES TOWN PLAZA PERMEABLE PAVER
CONSTRUCTION DETAILS
COMMUNITY SERVICES DEPARTMENT
LANDSCAPE ARCHITECTURE DIVISION

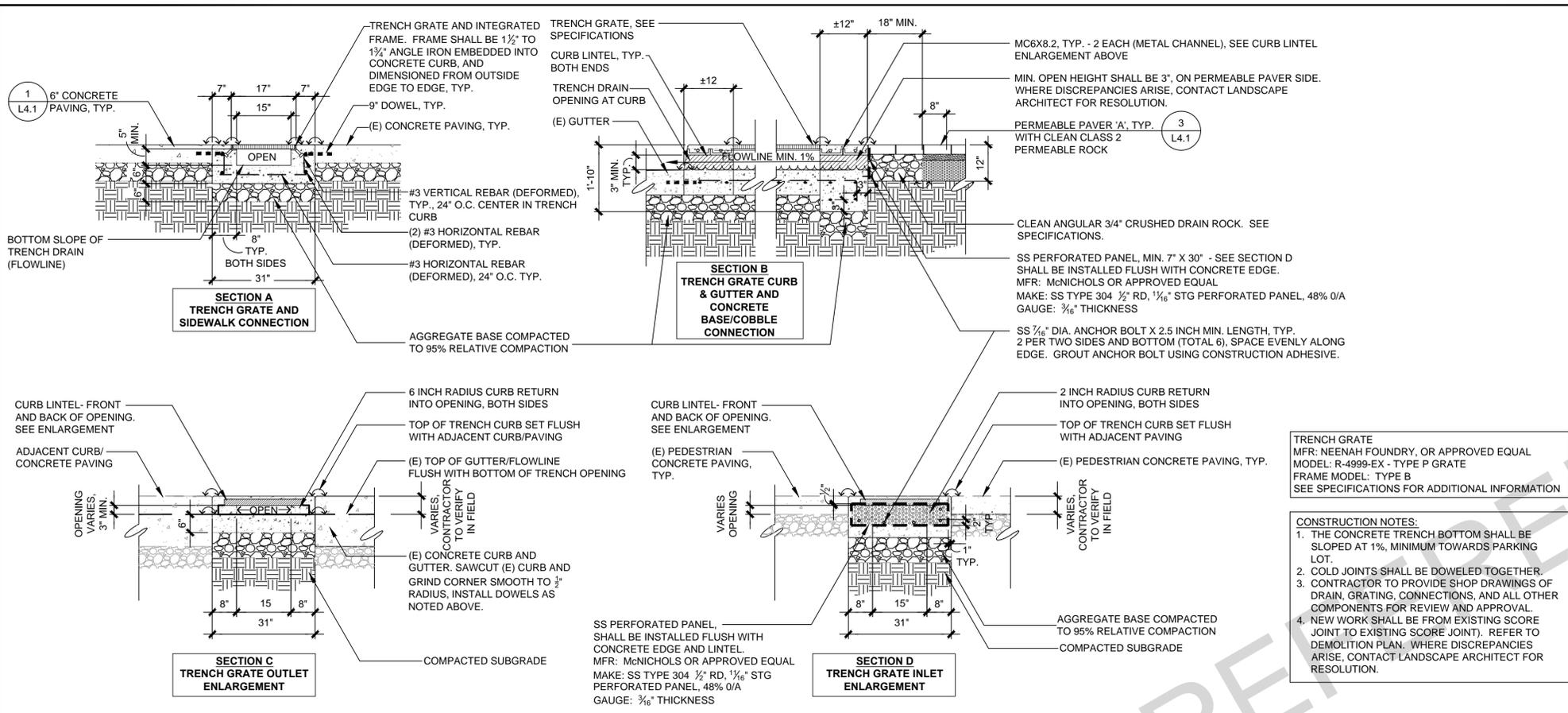
APPROVED - SENIOR LANDSCAPE ARCHITECT: *Mad Men* DATE: 05/11/2018
RECOMMENDED - PROJECT MANAGER: *[Signature]* DATE: 05/11/2018

CITY PROJECT: PWC8949	SCALE: AS SHOWN	DRAWING: L4.1
FEDERAL PROJECT:	0 ----- 1'	
DESIGNED BY: JS	CHECKED BY: MM/JS	
DRAWN BY: JS	DATE: 05/11/2018	

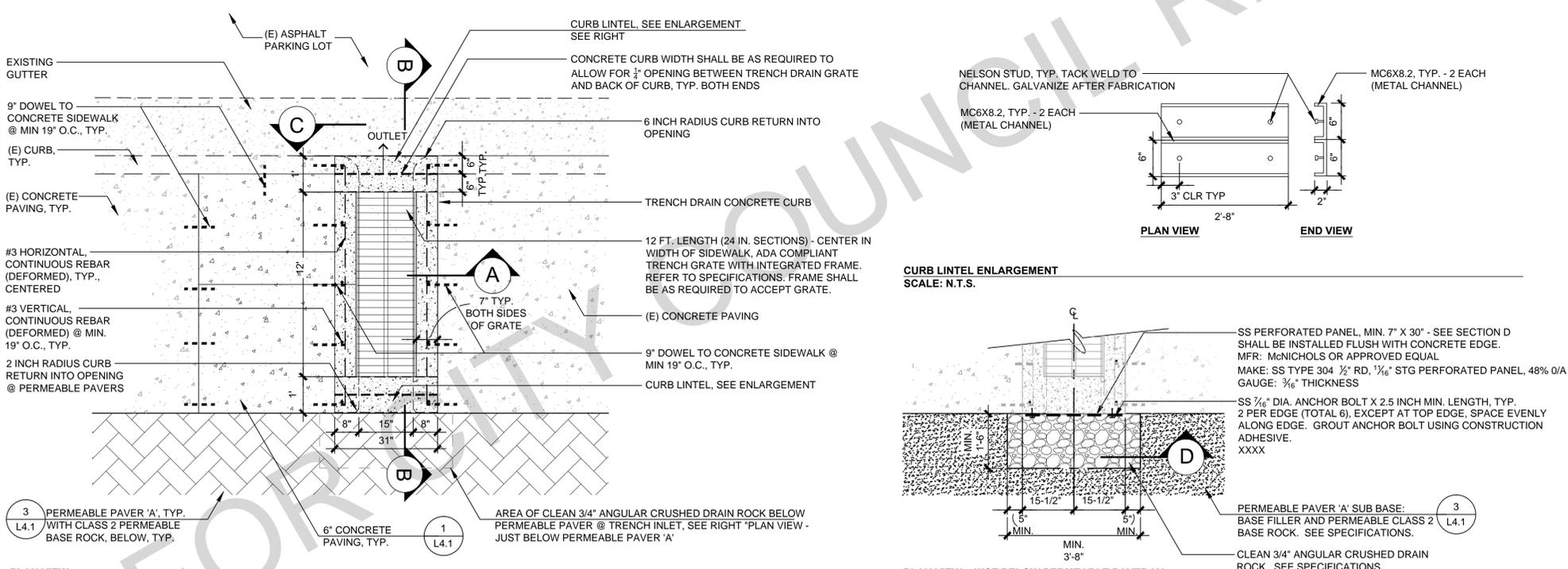
NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

SHEET 9 OF 12

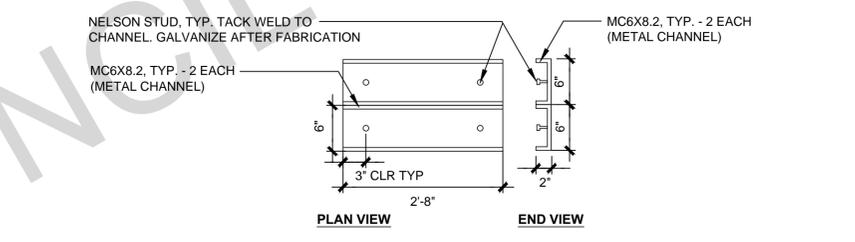
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 PLOT DATE: May 11, 2018 - 7:55am



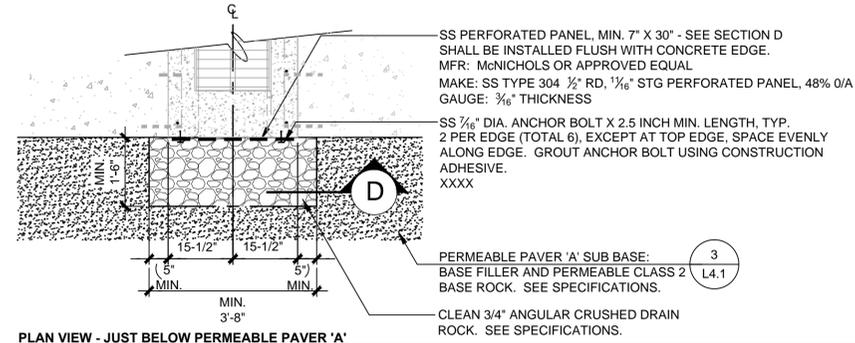
SECTIONS



1 TRENCH DRAIN AT (E) CONC. PEDESTRIAN PAVING
 SCALE: 1/2" = 1'-0"



CURB LINTEL ENLARGEMENT
 SCALE: N.T.S.



PLAN VIEW - JUST BELOW PERMEABLE PAVER 'A'

TRENCH GRATE
 MFR: NEENAH FOUNDRY, OR APPROVED EQUAL
 MODEL: R-4999-EX - TYPE P GRATE
 FRAME MODEL: TYPE B
 SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

CONSTRUCTION NOTES:
 1. THE CONCRETE TRENCH BOTTOM SHALL BE SLOPED AT 1%, MINIMUM TOWARDS PARKING LOT.
 2. COLD JOINTS SHALL BE DOWELED TOGETHER.
 3. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF DRAIN, GRATING, CONNECTIONS, AND ALL OTHER COMPONENTS FOR REVIEW AND APPROVAL.
 4. NEW WORK SHALL BE FROM EXISTING SCORE JOINT TO EXISTING SCORE JOINT. REFER TO DEMOLITION PLAN. WHERE DISCREPANCIES ARISE, CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION.

No.	DATE	REVISION	BY	APPD
1	05/11/2018	BID SET	JS	MM



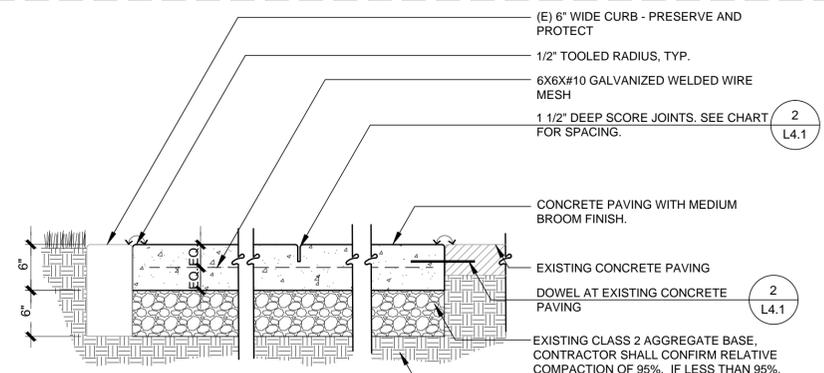
NILES TOWN PLAZA PERMEABLE PAVER
CONSTRUCTION DETAILS
 COMMUNITY SERVICES DEPARTMENT
 LANDSCAPE ARCHITECTURE DIVISION

APPROVED - SENIOR LANDSCAPE ARCHITECT: *Mad Men* DATE: 05/11/2018
 RECOMMENDED - PROJECT MANAGER: *[Signature]* DATE: 05/11/2018

CITY PROJECT: PWC8949	SCALE: AS SHOWN	DRAWING: L4.2
FEDERAL PROJECT:	0 1" (Scale bar)	NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.
DESIGNED BY: JS	CHECKED BY: MM/JS	
DRAWN BY: JS	DATE: 05/11/2018	SHEET 10 OF 12

PLOT DATE: May 11, 2018 - 7:55am FILE: I:\LANDARCH\PROJECT DIRECTORY\Niles Town Plaza Permeable Pavers\DWG\Plan_Sel\8949_DETAILS.dwg

ALTERNATE DETAILS

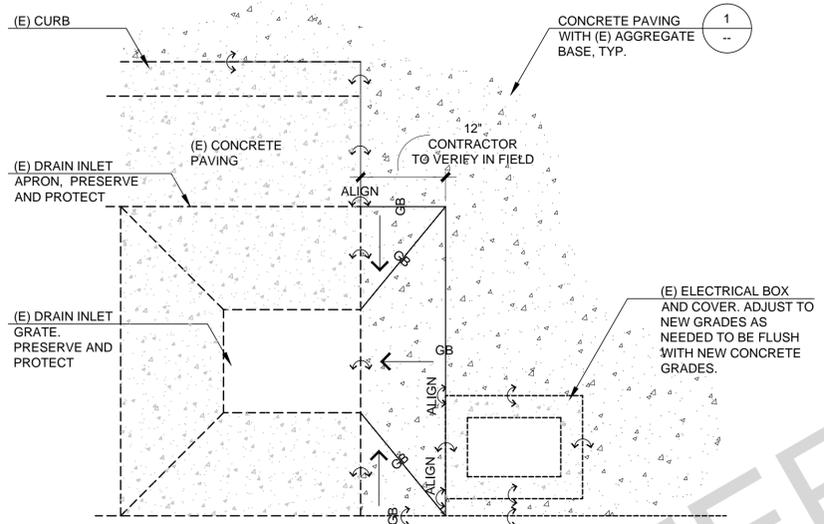


PAVEMENT WIDTH	DEEP JOINT SPACING	SCORE JOINT
10'	10' OC	NONE
8'	8' OC	NONE
6'	6' OC	NONE
5'	10' OC	YES*
4'	8' OC	YES*

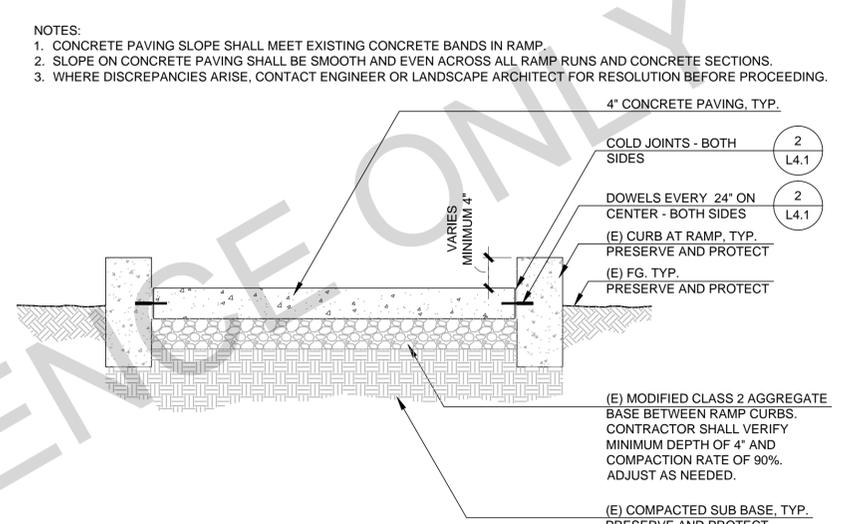
*ALL SCORE JOINTS SHALL BE MIDWAY BETWEEN DEEP JOINT SPACING.

- NOTES:
- MEDIUM BROOM FINISH PERPENDICULAR TO WALK DIRECTION UNLESS OTHERWISE SHOWN ON PLAN.
 - CROSS SLOPE SHALL BE 1.8% WITH A TOLERANCE OF +/-0.2%, AND NOT EXCEEDING 2% OR FALLING UNDER 1.5%, UNLESS OUTSIDE PATH OF TRAVEL.
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 - SCORE JOINTS SHALL BE TOOLED. NO SAWCUTTING ALLOWED.
 - SCORE JOINTS SHALL BE 1/4" WIDE x 1/2" DEEP.
 - WITH THE APPROVAL OF THE CITY LANDSCAPE ARCHITECT, EXPANSION JOINTS MAY OCCUR AT THE JUNCTION BETWEEN FLAT AND VERTICAL CONCRETE SURFACES.

1 CONCRETE PAVING WITH (E) AGGREGATE BASE
SCALE: 1" = 1'-0"
ALTERNATE 1 + 2

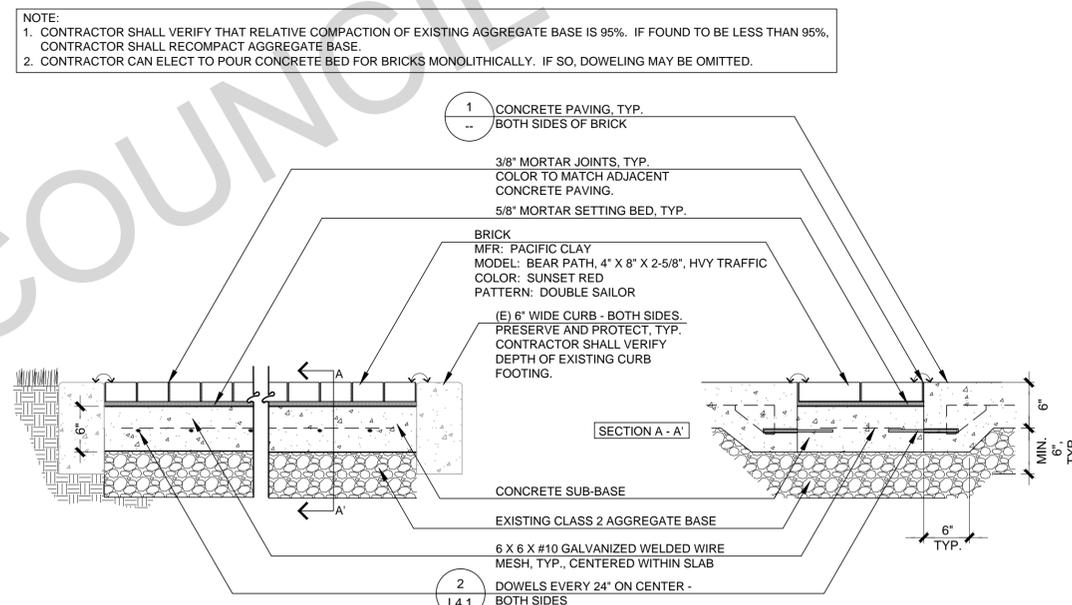


3 CONC PAVING @ DRAIN INLET AND ELECTRICAL BOX
N.T.S.
ALTERNATE 1

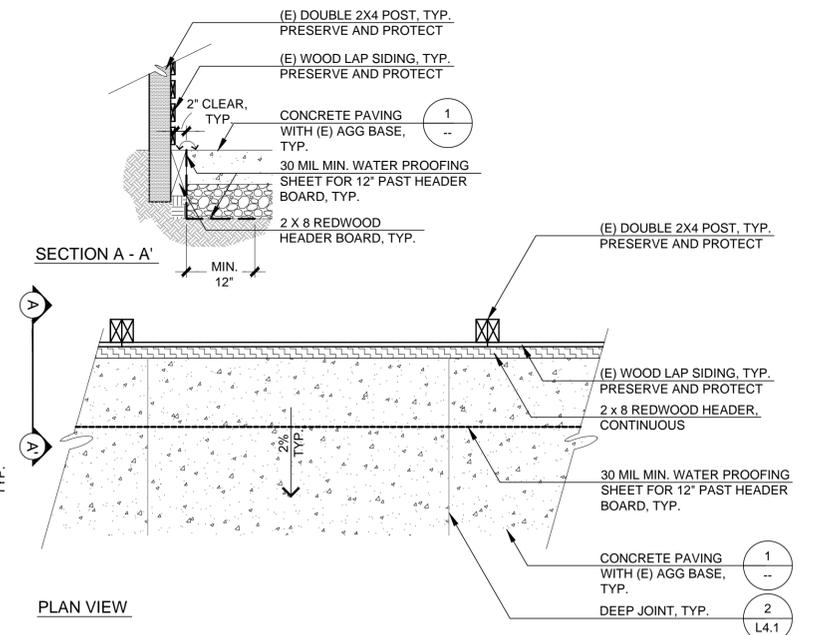


5 EXISTING RAMP CONCRETE PAVING
SCALE: 1" = 1'-0"
ALTERNATE 1

NOTE: CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE ON CONCRETE PAVING AWAY FROM BUILDING AND LAP SIDING



4 BRICK BAND AT CONCRETE
SCALE: 1" = 1'-0"
ALTERNATE 1



6 CONC. PAVING AT BUILDING LAP SIDING
SCALE: 3/4" = 1'-0"
ALTERNATE 2

2 INTENTIONALLY LEFT BLANK

No.	DATE	REVISION	BY	APPD
△	05/11/2018	BID SET	JS	MM
△				
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NILES TOWN PLAZA PERMEABLE PAVER
CONSTRUCTION DETAILS - ALTERNATE 1 + 2

CITY OF Fremont
COMMUNITY SERVICES DEPARTMENT
LANDSCAPE ARCHITECTURE DIVISION

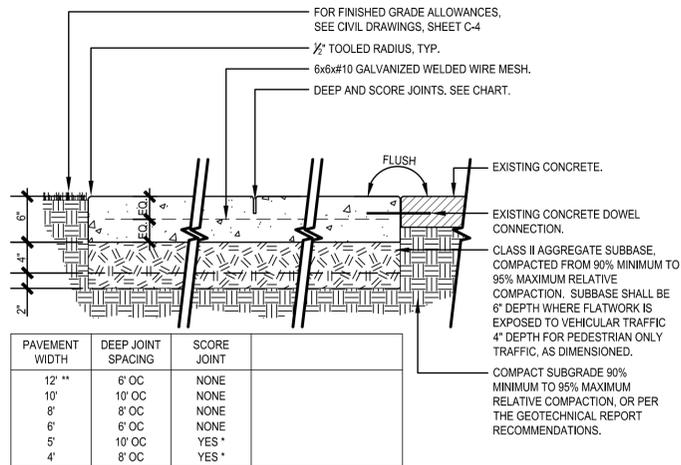
APPROVED - SENIOR LANDSCAPE ARCHITECT *Mad Men* DATE 05/11/2018
RECOMMENDED - PROJECT MANAGER *[Signature]* DATE 05/11/2018

CITY PROJECT: PWC8949	SCALE: AS SHOWN	DRAWING: L4.3
FEDERAL PROJECT:	0 ----- 1'	
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DRAWN BY: JS	DATE: 05/11/2018	

NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

SHEET 11 OF 12

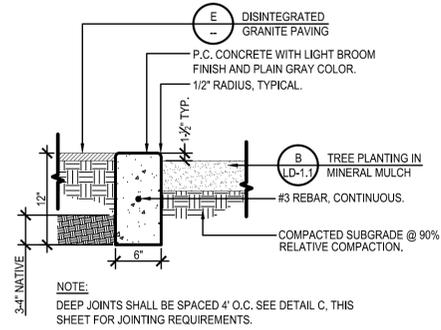
DETAILS SHOWN ARE FOR REFERENCE ONLY AND REFER TO PWC 8614E INSTALLATION (2007/2008)



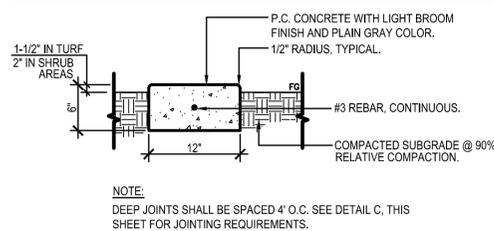
NOTES:

- BROOM DIRECTION SHALL BE PERPENDICULAR TO WALK DIRECTION UNLESS OTHERWISE SHOWN ON PLAN. REFER TO DETAIL PSD3300.06.01-SWFIN.
- CROSS SLOPE SHALL BE 1.8% WITH A TOLERANCE OF +/-0.2%, AND NOT EXCEEDING 2% OR FALLING UNDER 1.5%.
- REFER TO CHART FOR ON CENTER SPACING OF DEEP JOINTS, AND SCORE JOINTS, IF REQUIRED THE ADJACENT CHART IS A RECOMMENDED GUIDE FOR JOINT PLACEMENT.
- ALL WELDED WIRE MESH IS TO BE PRE-SET. NO WET SETTING, HOOKING OR LIFTING OF MESH ALLOWED. MESH IS TO BE SET IN THE MIDDLE OF THE CONCRETE SECTION.
- SCORE JOINTS SHALL BE TOOLED. NO SAWCUTTING ALLOWED.
- SCORE JOINTS SHALL BE 1/2" WIDE X 1/2" DEEP.
- WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT, EXPANSION JOINTS MAY OCCUR AT THE JUNCTION BETWEEN FLAT AND VERTICAL CONCRETE SURFACES.
- TYPE II CONCRETE PAVING SHALL HAVE ONE POUND OF LAMP BLACK INTEGRAL COLOR ADDED PER CUBIC YARD OF CONCRETE.

- CONCRETE PAVING - TYPE 2
 SCALE: NTS

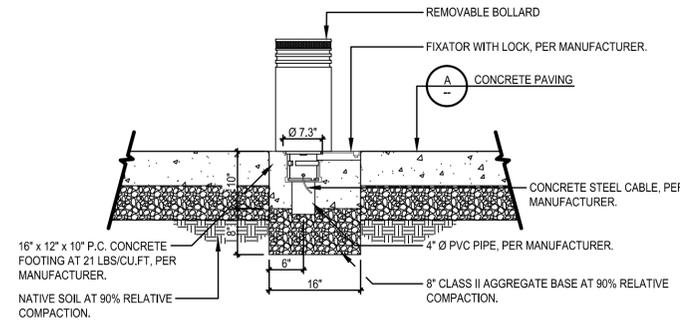


CONCRETE MOW CURB - TYPE 2
 SCALE: 1" = 1'-0"

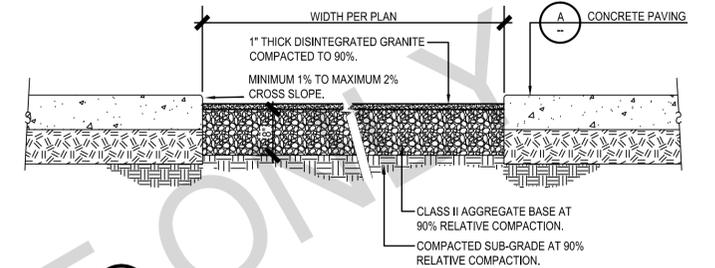


CONCRETE MOW CURB - TYPE 1
 SCALE: 1" = 1'-0"

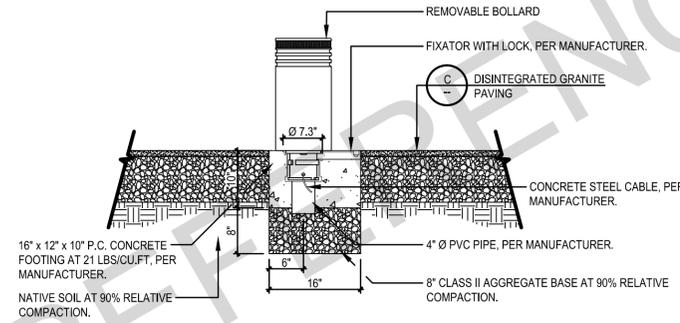
CONCRETE MOW CURBS
 SCALE: 1" = 1'-0"



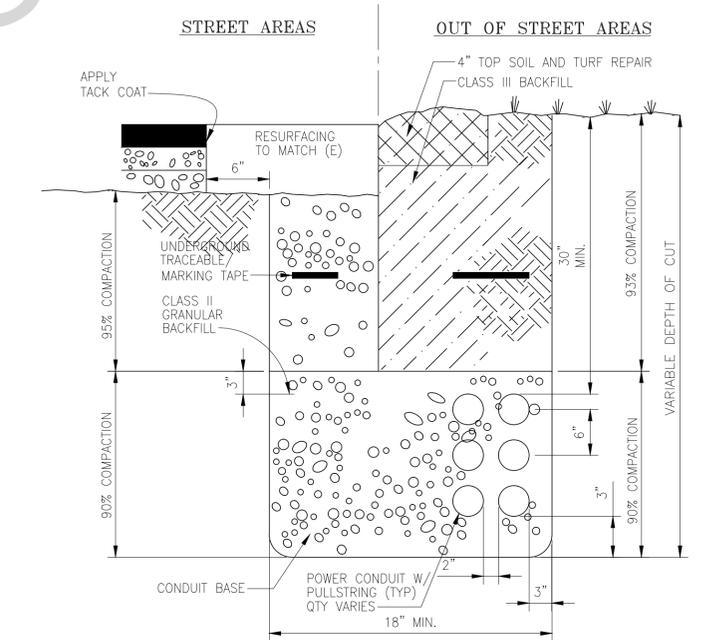
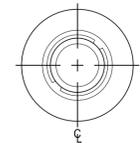
SECTION AT CONCRETE PAVING
 SCALE: 3/4" = 1'-0"



DISINTEGRATED GRANITE PAVING
 SCALE: 3/4" = 1'-0"



SECTION AT DISINTEGRATED GRANITE PAVING
 SCALE: 3/4" = 1'-0"



PG&E CLEARANCE REQUIREMENTS (MIN)

	PC	SC	G	TEL	TV	LV	W
UTILITY PRIMARY CONDUIT (PC)	6	6	12	6	6	6	60
SECONDARY POWER CONDUIT (SC)	6	6	12	6	6	6	60
GAS (G)	12	12	6	6	6	6	60
TELEPHONE (TEL)	6	6	6	2	2	2	60
CATV (TV)	6	6	6	2	2	2	60
OTHER LOW VOLTAGE (LV)	6	6	6	2	2	2	60
WET UTILITIES (W)	60	60	60	60	60	60	-

NOTE: TABLE ONLY APPLIES TO UTILITIES AND PARTIES UNDER THE USA PROGRAM.

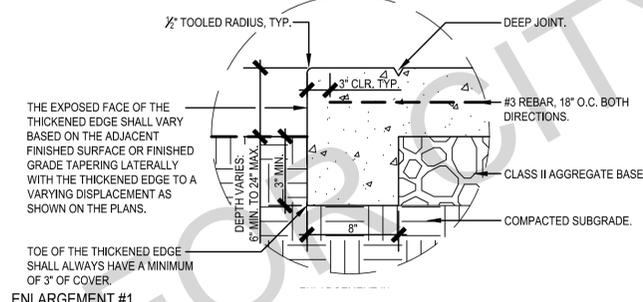
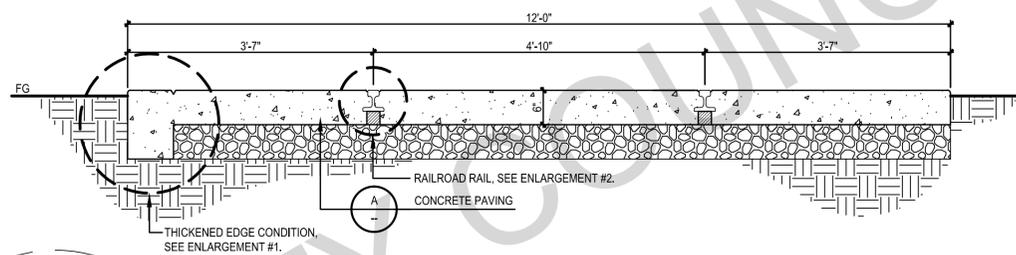
CLEARANCE REQUIREMENTS (MIN)

	PC	SC	G	TEL	TV	LV	W
PRIMARY CONDUIT (OVER 600V) (PCHV)	60	60	60	60	60	60	60
PRIMARY CONDUIT (BETWEEN 600V & 110V) (PC)	60	6	12	6	6	6	60
SECONDARY POWER CONDUIT (SC)	60	6	12	6	6	6	60
GAS (G)	60	12	12	6	6	6	60
TELEPHONE (TEL)	60	6	6	2	2	2	60
CATV (TV)	60	6	6	2	2	2	60
OTHER LOW VOLTAGE (LV)	60	6	6	2	2	2	60
WET UTILITIES (W)	60	60	60	60	60	60	-

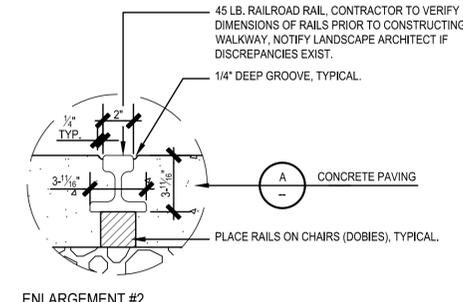
NOTE: TABLE ONLY APPLIES TO CONDUITS AFTER THE UTILITY POINT OF CONNECTION.

NOTES:
 UTILITY OWNED AND END-USER CONDUITS AND TRENCH SHALL NOT BE COMBINED.

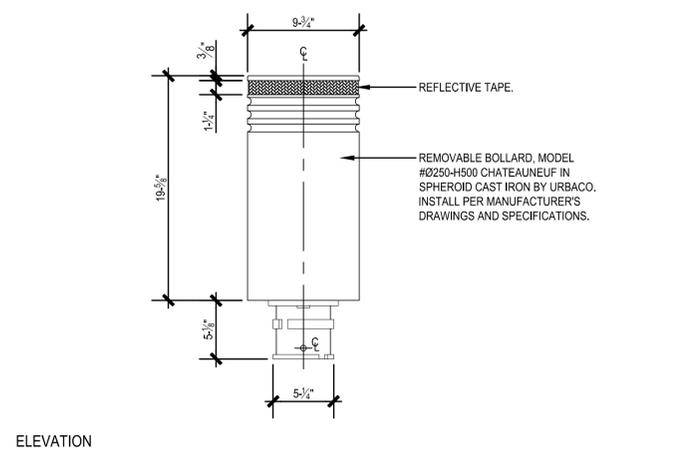
TRENCHING DETAIL
 SCALE: N.T.S.



ENLARGEMENT #1
 CONCRETE WALK WITH RAILS
 SCALE: NTS



ENLARGEMENT #2
 CONCRETE WALK WITH RAILS
 SCALE: 3/4" = 1'-0"



REMOVABLE BOLLARD
 SCALE: 1-1/2" = 1'-0"
 SCALE: AS NOTED

FILE: T:\LANDARCH\PROJECT DIRECTORY\T\PROJECTS\Permeable Pavers\DWG\Plan Set\8949_DETAILS_REFERENCE.dwg

No.	DATE	REVISION	BY	APPD
1	05/11/2018	BID SET	JS	MM



NILES TOWN PLAZA PERMEABLE PAVER
 CONSTRUCTION DETAILS - FOR REFERENCE ONLY (PWC 8613E)

COMMUNITY SERVICES DEPARTMENT
 LANDSCAPE ARCHITECTURE DIVISION

APPROVED - SENIOR LANDSCAPE ARCHITECT

DATE: 05/11/2018

RECOMMENDED - PROJECT MANAGER

DATE: 05/11/2018

CITY PROJECT: PWC8949
 FEDERAL PROJECT:
 DESIGNED BY: JS
 CHECKED BY: MM/JS
 DRAWN BY: JS
 DATE: 05/11/2018

SCALE: AS SHOWN
 0 1"
 NOTE: VERIFY SCALE. BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY IF BAR IS NOT ONE INCH.

L4.4

SHEET 12 OF 12