



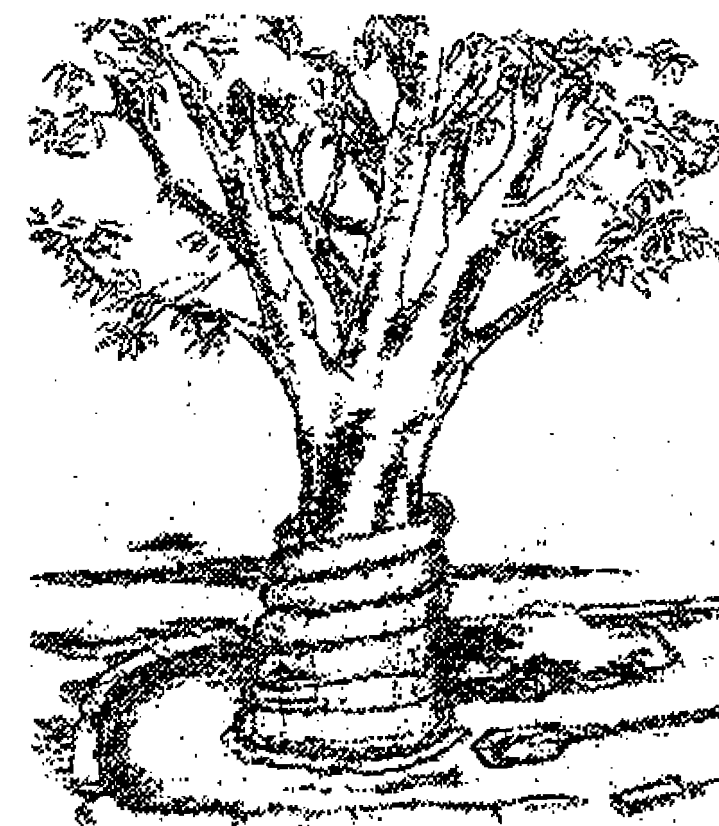
**TREE PROTECTION NOTES**

- NO STREET TREE ROOTS ARE TO BE CUT WITHOUT APPROVAL OF CONTRACTOR'S LICENSED CERTIFIED ARBORIST.
- ARBORIST: CONTRACTOR SHALL RETAIN A LICENSED CERTIFIED, CITY-APPROVED ARBORIST FOR "ON-CALL" CONSULTATION DURING CONSTRUCTION AS SPECIFIED IN THE SPECIAL PROVISIONS AND INDICATED ON THESE PLANS. NO EQUIPMENT SHALL BE PERMITTED ON-SITE UNTIL THE ARBORIST HAS APPROVED THE PROPOSED STAGING AREA(S); NO TREE PRUNING, REMOVAL OR ROOT-CUTTING SHALL OCCUR WITHOUT THE ARBORIST'S DIRECTION, RECOMMENDATIONS OR APPROVAL.
- TRENCHING: ALL TRENCHING WITHIN THE DRIP LINE OF EXISTING TREES SHALL BE BY HAND WITH CARE TAKEN NOT TO DAMAGE ROOTS OVER 2" DIAMETER.
- ADVANCED WARNING: THE ARBORIST SHALL MARK LIMITS OF AREA WITHIN DRIP LINES IN ADVANCE PRIOR TO EXCAVATING.
- PRUNING: TREES SHALL BE PRUNED ONLY AS RECOMMENDED BY THE ARBORIST AND APPROVED BY THE CITY. EXISTING TREES WITH BRANCHES ENCRACING TO 1' FROM BACK OF CURB AND LESS THAN 16" FROM FINISHED GRADE SHALL BE PRUNED UNDER THE DIRECTION OF A CITY APPROVED CERTIFIED ARBORIST.
- CONSTRUCTION OPERATIONS: NO CONSTRUCTION OPERATIONS SHALL BE CARRIED ON WITHIN THE DRIP LINE AREA OF ANY TREE DESIGNATED TO BE SAVED EXCEPT AS AUTHORIZED BY THE ARBORIST.
- STORAGE: THE AREA UNDER THE DRIP LINE OF THE TREE SHALL BE KEPT CLEAN. NO CONSTRUCTION MATERIALS AND NO CHEMICAL SOLVENTS SHALL BE STORED OR DUMPED UNDER A TREE.
- TREE DAMAGE: ANY DAMAGE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON UNDER THE DIRECTION OF THE ARBORIST.
- CONTRACTOR SHALL PERFORM DEMOLITION, CUT, CLEAN AND INSTALL GENERAL LANDSCAPE SOIL AT THE EXISTING TREES AS REQUIRED AND APPROVED BY THE CITY.
- CONTRACTOR'S ATTENTION IS DIRECTED TO THE CITY OF BERKELEY'S "GUIDELINES AND TREE PROTECTION REQUIREMENTS FOR DEVELOPMENT PROJECTS" (GUIDELINES) PROVIDED IN THE PROJECT SPECIAL PROVISIONS, OF WHICH FIGURE 1, SECTION III IS PROVIDED BELOW.

**Figure 1: Examples of Tree Trunk Protection**

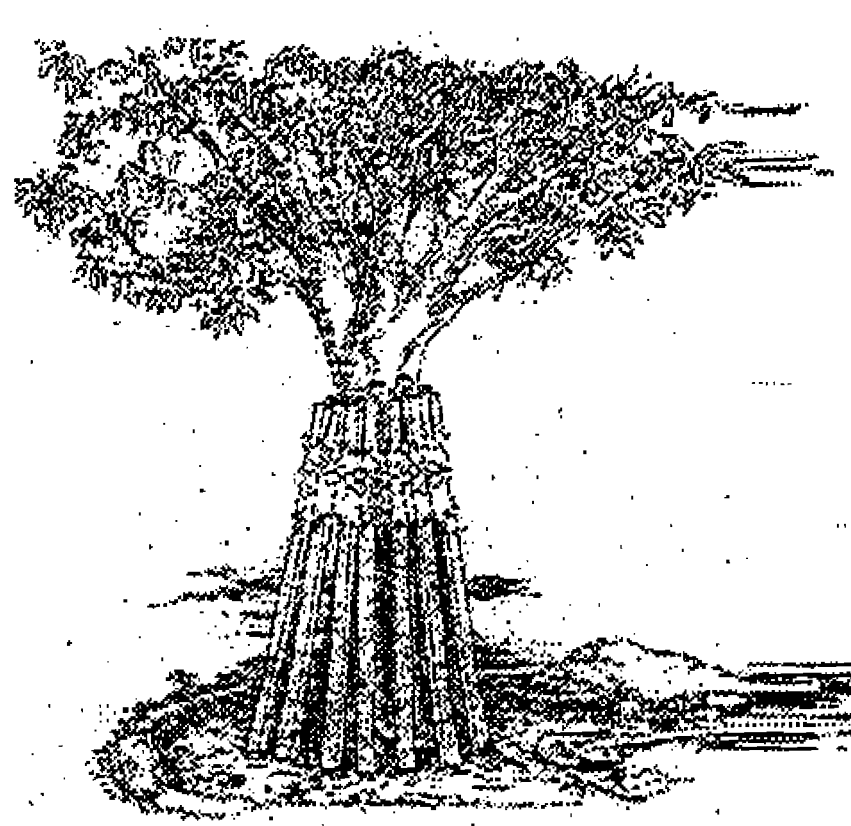
The following illustrations are examples of tree trunk protection measures. One of these examples shall be used when any approved construction activity takes place within the dripline of a protected tree that is not surrounded by protective fencing.

**Example A - Straw tubing (wattle)**



*Example A Illustration by Ericson Walker*

**Example B - Wooden slats**



*Example B Illustration from ISA Managing Trees During Construction, EB47*

**Minimum Requirements:**

- Trees situated in a tree well or sidewalk planting strip shall have the trunk protected by wrapping it with straw tubes (wattle) or vertical wood slats (ex. 2x4), up to a minimum of 8 feet from grade.
- Wooden slats shall be angled to protect the root flare at the base of the tree and bound securely on the outside.
- Closed cell foam or an equivalent material shall be used to protect the trunk of the tree where it contacts the slats.
- Lateral branches below 8 feet shall also be protected.
- Contractor shall keep deleterious materials associated with project construction from contacting any part of the trees, or being placed or stored in the tree well or planting strip.

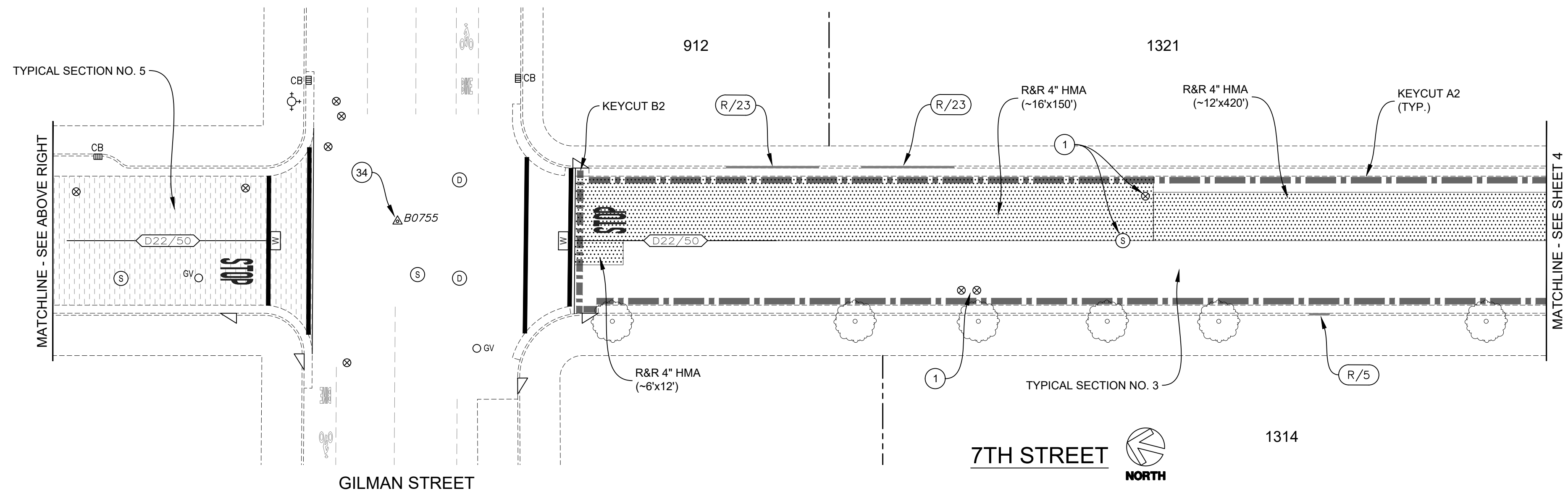
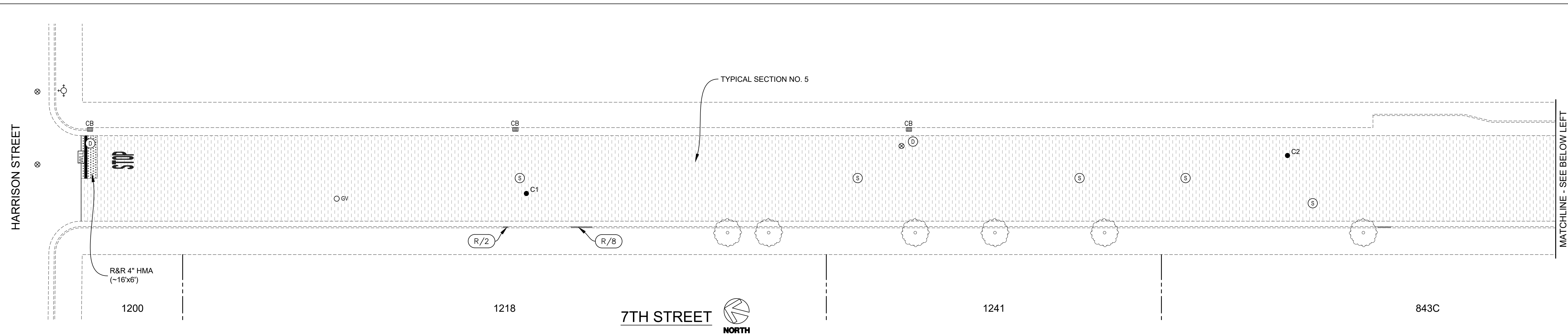


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: _____	HORIZ. _____ N/A
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: AB, JLB, M	VERT. _____ N/A
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER: _____ DATE _____	APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
			AS BUILT _____	DATE 4-29-24

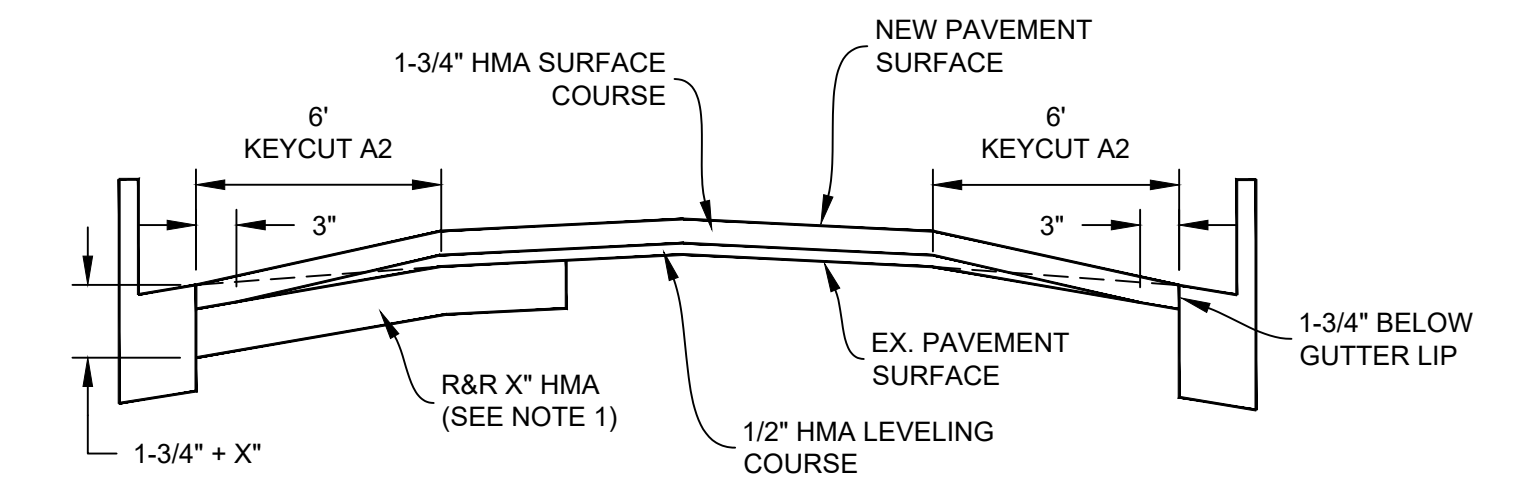
**GENERAL NOTES**

- ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION MAY BE ISSUED. WORK NOT CONFORMING TO THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE CITY.
- SPECIFIC NOTES AND DETAILS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATIONS, ELEVATIONS, ETC. OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY FIELD CONFLICTS.
- THE PROPERTY LINES SHOWN ON THE PLANS WERE GENERATED FROM CITY GIS DATA & ARE SHOWN AT THEIR APPROXIMATE LOCATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY PROPERTY LINE LOCATIONS PRIOR TO PERFORMING WORK WITHIN OR NEAR THE PUBLIC RIGHT-OF-WAY.
- ALL MATERIALS AND WORKMANSHIP SHALL FULLY CONFORM WITH THE SPECIFICATIONS, STANDARDS, AND ORDINANCES OF THE CITY OF BERKELEY, CITY OF BERKELEY STANDARD PLANS, AND THE CALTRANS STANDARD SPECIFICATIONS. STANDARD PLANS ARE AVAILABLE AT THE OFFICE OF THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING FACILITIES NOT DESIGNATED FOR REMOVAL AND SHALL RESTORE DAMAGED OR TEMPORARILY RELOCATED FACILITIES TO A CONDITION EQUAL TO OR BETTER THAN THEY WERE PRIOR TO SUCH DAMAGE OR TEMPORARY RELOCATION.
- CONTRACTOR SHALL MEET WITH THE CITY PRIOR TO START OF CONSTRUCTION. 48 HOURS NOTICE TO THE ENGINEER IS REQUIRED ON ALL INSPECTIONS.
- CONTRACTOR IS RESPONSIBLE TO MAKE ALL ARRANGEMENTS FOR SITE INSPECTIONS AND ENSURE THAT ALL CURRENT STANDARDS FOR THE CITY, ALAMEDA COUNTY, AND CALTRANS ARE FOLLOWED PRIOR TO BEGINNING ANY PHASE OF CONSTRUCTION WORK.
- CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- CONSTRUCTION SHALL BE LIMITED TO BETWEEN THE HOURS OF 7:30 A.M. AND 5:00 P.M., MONDAY THROUGH FRIDAY AND INSPECTION REQUESTS SHALL BE LIMITED TO NORMAL CITY BUSINESS HOURS: 8:00 A.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY. ARRANGEMENTS FOR ANY OVERTIME INSPECTION SERVICES AND PAYMENTS OF FEES FOR SAME SHOULD BE MADE 48 HOURS IN ADVANCE AND ARE SUBJECT TO INSPECTION AVAILABILITY AND APPROVAL BY THE ENGINEER.
- THE CITY IS RESPONSIBLE FOR ARRANGEMENTS TO PAY FOR ALL MATERIAL TESTING REQUIRED FOR QUALITY ASSURANCE/ACCEPTANCE OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE TO IT THAT ALL MATERIAL TESTING REQUIRED BY THE ENGINEER AND QUALITY CONTROL TESTING, PER THE SPECIAL PROVISIONS AND TECHNICAL SPECIFICATIONS, IS PERFORMED. ENGINEER WILL ONLY PERFORM QUALITY ASSURANCE TESTING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE OF QUALITY ASSURANCE TESTING TO ALLOW THE ENGINEER TO SCHEDULE MATERIAL TESTING LAB SAMPLING OR TESTING.
- DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN GOOD HOUSEKEEPING WITHIN THE CONSTRUCTION AREA AND STAGING AREA.
- WATER FOR DUST CONTROL AND USE FOR COMPACTION MAY BE PURCHASED FROM THE APPROPRIATE AGENCY PRIOR TO THE START OF ANY WORK, AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR ANY FEES OR DEPOSITS. THE CONTRACTOR IS NOT ALLOWED TO USE WATER TO CLEAN THE STREET PAVEMENT SURFACE THAT WOULD VIOLATE CITY OF BERKELEY MUNICIPAL CODE CHAPTER 17.20.
- TEMPORARY BITUMINOUS SURFACING AND CLEAN UP OF THE WORK SHALL BE INSPECTED AND MAINTAINED DAILY BY THE CONTRACTOR.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED ROUTE(S) FOR ALL CONSTRUCTION TRAFFIC RELATED TO THE PROJECT. UPON APPROVAL, THE CONTRACTOR SHALL STRICTLY ADHERE TO THAT ROUTE(S) ONLY. UNLESS WRITTEN PERMISSION IS OBTAINED TO CHANGE THE ROUTE(S). IN ADDITION TO THE CONTRACTOR'S PROPOSED ROUTE(S), A DETOUR PLAN SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER.
- BIDDERS SHOULD NOTE THE PRESENCE OF OVERHEAD UTILITIES IN THE WORK AREA. AS PART OF THEIR PRE-BID INSPECTION, BIDDERS SHALL NOTE THE TYPE AND LOCATION OF OVERHEAD UTILITIES IN THE PROPOSED WORK AREA. BIDDER'S PRICE SHALL INCLUDE PROVISIONS FOR WORKING IN AREAS WHERE UTILITIES EXIST AT THE TIME OF BIDDING, AND NO ADDITIONAL COMPENSATION IS ALLOWED.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES AFFECTED BY THE PROJECT THROUGHOUT THE LIFE OF THE CONTRACT AS SPECIFIED IN THE SPECIAL PROVISIONS. CONTRACTOR SHALL TRY TO ACCOMMODATE ANY SPECIAL REQUESTS FOR DELIVERIES.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) 800-227-2600 (OR DIAL 811), TWO (2) WORKING DAYS PRIOR TO START OF ANY EXCAVATION OR DEMOLITION OF IMPROVEMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITIES TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION SO THAT LINES CAN BE MARKED. CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OR DEMOLITION, PARTICULARLY IN LOCATIONS WITH UTILITIES THAT WILL REMAIN IN SERVICE.
- ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING TREES, LANDSCAPING, IRRIGATION, FENCES, WALLS, SIDEWALK, MAILBOXES, UTILITIES, AND OTHER PAVEMENT SURFACES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL RESTORE ANY AND ALL PAVEMENT AND OTHER FACILITIES OUTSIDE LIMITS OF WORK AFFECTED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VIDEOTAPE OR DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK TO SUBSTANTIATE ANY PREVIOUS DAMAGE, ETC.; COPIES OF WHICH SHALL BE PROVIDED TO THE ENGINEER.
- ALL CITY OF BERKELEY MONUMENTS LOCATED WITHIN THE PROJECT AREA MUST BE REFERENCED, PRIOR TO WORK COMMENCING, BY A LICENSED LAND SURVEYOR AS REQUIRED BY SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE. CORNER RECORDS OF THIS WORK MUST BE SUBMITTED FOR FILING TO BOTH THE COUNTY SURVEYOR OF ALAMEDA COUNTY, AND THE CITY OF BERKELEY, PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION, SURVEY SECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF EXISTING SURVEY MONUMENTS, BENCHMARKS, REFERENCE POINTS AND STAKES. SHOULD ANY SURVEY MONUMENTS, BENCHMARKS, REFERENCE POINTS, OR STAKES BE DAMAGED OR DESTROYED DURING THE PERFORMANCE OF THIS WORK, THE CONTRACTOR SHALL REPLACE SAID ITEMS PER CITY STANDARDS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND CONTACT THE CITY OF BERKELEY, SURVEY SECTION, CHIEF OF PARTY FOR FINAL INSPECTION AND ACCEPTANCE OF THE WORK.
- MONUMENTS SHALL ONLY BE RESET BY A LICENSED LAND SURVEYOR AT THE DIRECTION OF THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE CITY OF BERKELEY ARBORIST AT LEAST 48 HOURS IN ADVANCE OF PERFORMING WORK UNDER THE DRIP LINE OF EXISTING TREES AND WHEN EXCAVATION IS PLANNED WITHIN THE ROOT SYSTEM OF THE TREE. THE CITY ARBORIST WILL REVIEW EACH LOCATION ON A CASE-BY-CASE BASIS TO CONFIRM THE ALLOWABLE EXTENT OF ROOT AND BRANCH PRUNING REQUIRED.
- ALL STRIPING AND MARKINGS SHALL BE THERMOPLASTIC UNLESS SHOWN OTHERWISE ON THE PLANS OR AS SPECIFIED IN THE SPECIFICATIONS.
- ALL BLUE RETROREFLECTIVE FIRE HYDRANT MARKERS SHALL BE SET 6" OFF THE STREET CENTERLINE OR AS SHOWN IN THE CA MUTCD.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, AND OTHER DEVICES TO PROVIDE FOR SAFE PASSAGE OF PUBLIC VEHICULAR AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH CA MUTCD.
- THE CONTRACTOR SHALL CONTACT AC TRANSIT AT LEAST THREE WEEKS IN ADVANCE OF PERFORMING WORK SHOULD ANY STREET OR LANE CLOSURES REQUIRE RE-ROUTING OF PUBLIC TRANSIT. CONTRACTOR SHALL COORDINATE WITH AC TRANSIT FOR TEMPORARY BUS STOP LOCATIONS DURING CONSTRUCTION PERIOD, IF REQUIRED.
- UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL ADHERE TO THE CITY'S HOLIDAY AND REDUCED SERVICE DAYS SCHEDULE PER THE SPECIAL PROVISIONS. IN ADDITION, UNLESS OTHERWISE APPROVED IN ADVANCE BY THE CITY'S TRAFFIC ENGINEER, LANE CLOSURES ON MAJOR STREETS AND COLLECTOR STREETS (MARTIN LUTHER KING JR WAY, SHATTUCK AVENUE, ALCATRAZ AVENUE, ETC.) ARE PROHIBITED DURING MORNING AND EVENING COMMUTE HOURS.
- TYPICAL DETAILS REFERRED TO ON THESE DRAWINGS ARE FROM THE LATEST VERSIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS, CA MUTCD, AND CITY STANDARD PLANS.
- CONTRACTOR SHALL POSSESS A VALID CLASS 'A' LICENSE AT THE TIME OF AWARD OF THE CONTRACT.
- CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A 3 WEEK LOOK AHEAD SCHEDULE AT WEEKLY MEETINGS; AND DAILY SCHEDULE OF PLANNED WORK A MINIMUM OF 24 HOURS HOURS IN ADVANCE FOR BASE REPAIR, CRACK SEALING, PAVEMENT REHABILITATION, SURFACE RECONSTRUCTION, PAVEMENT RECONSTRUCTION, CURB RAMP, CURB AND GUTTER WORK FOR EACH STREET.
- CONTRACTOR SHALL PROTECT FULL DIAMETER OF CURB DRAIN OUTLETS DURING PAVEMENT AND CONCRETE WORK. EXISTING CURB DRAINS TO REMAIN EXPOSED DURING AND AFTER WORK IS COMPLETE. HANDWORK MAY BE REQUIRED TO PROTECT CURB DRAIN.
- CONTRACTOR SHALL REFRESH ALL CURB PAINT WITH REPLACE ALL ADDRESS STENCILS OBLITERATED AS PART OF THEIR WORK.

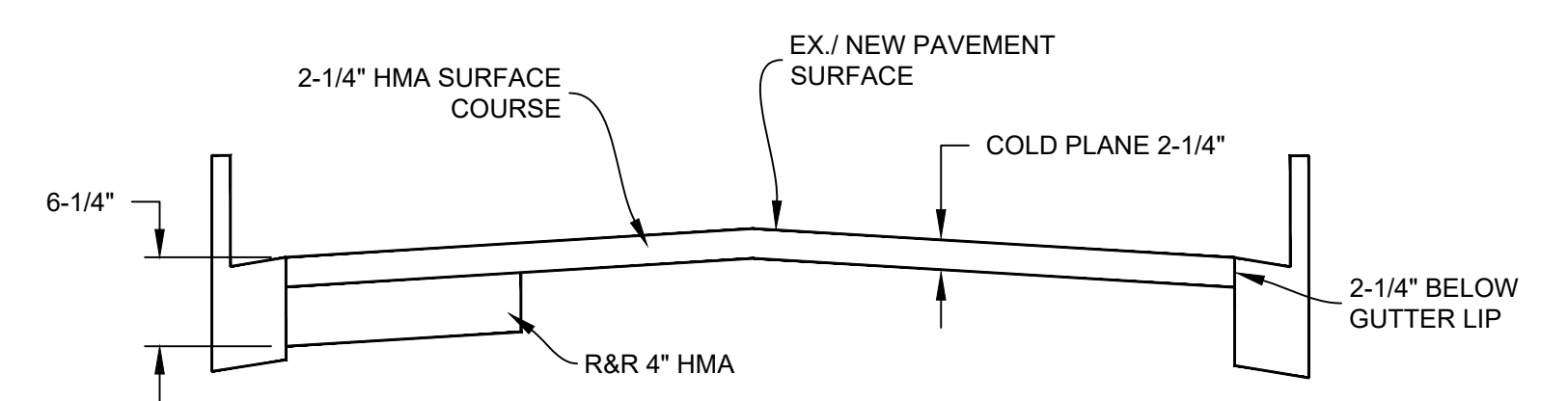
APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	



**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0" THICKNESS, 3" FROM GUTTER LIP & ALL TRANSVERSE LIMITS.



**TYPICAL SECTION NO. 3**  
NTS

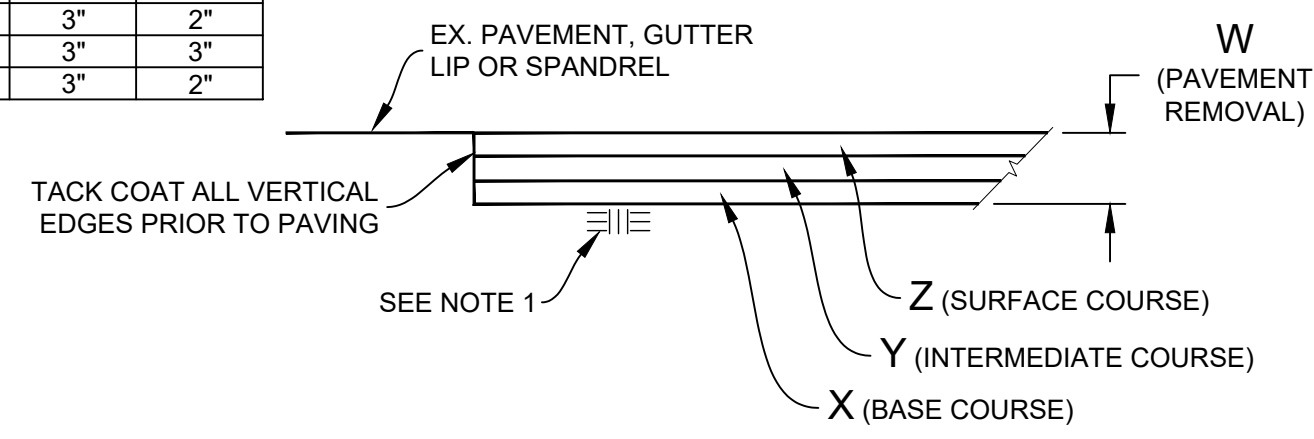


**TYPICAL SECTION NO. 5**  
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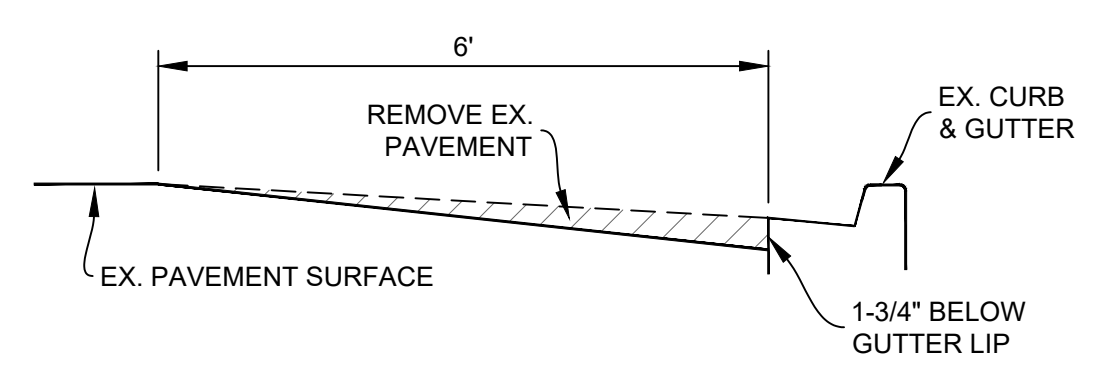
**DEPTH MEASUREMENTS**

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5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

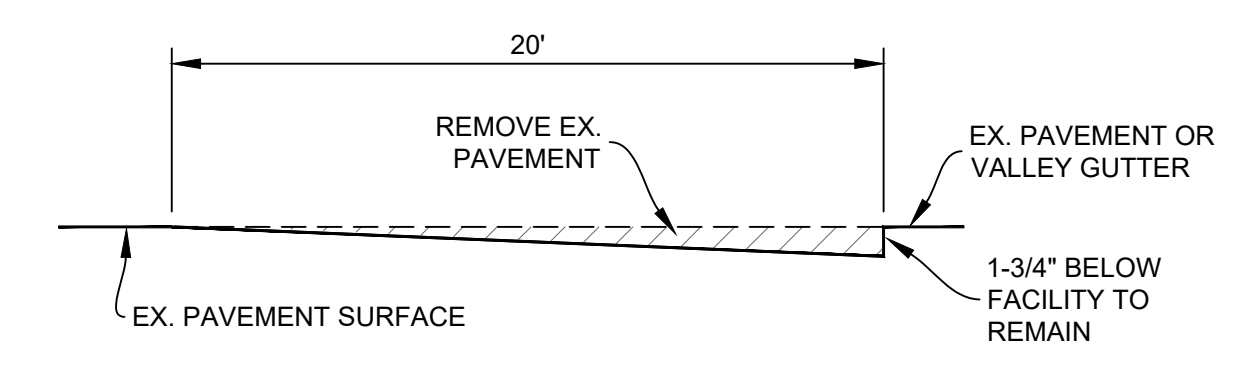
**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**KEYCUT A2 LONGITUDINAL KEYCUT**  
NTS



**KEYCUT B2 TRANSVERSE KEYCUT**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ③④ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE (HARRISON STREET TO GILMAN STREET ONLY) & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

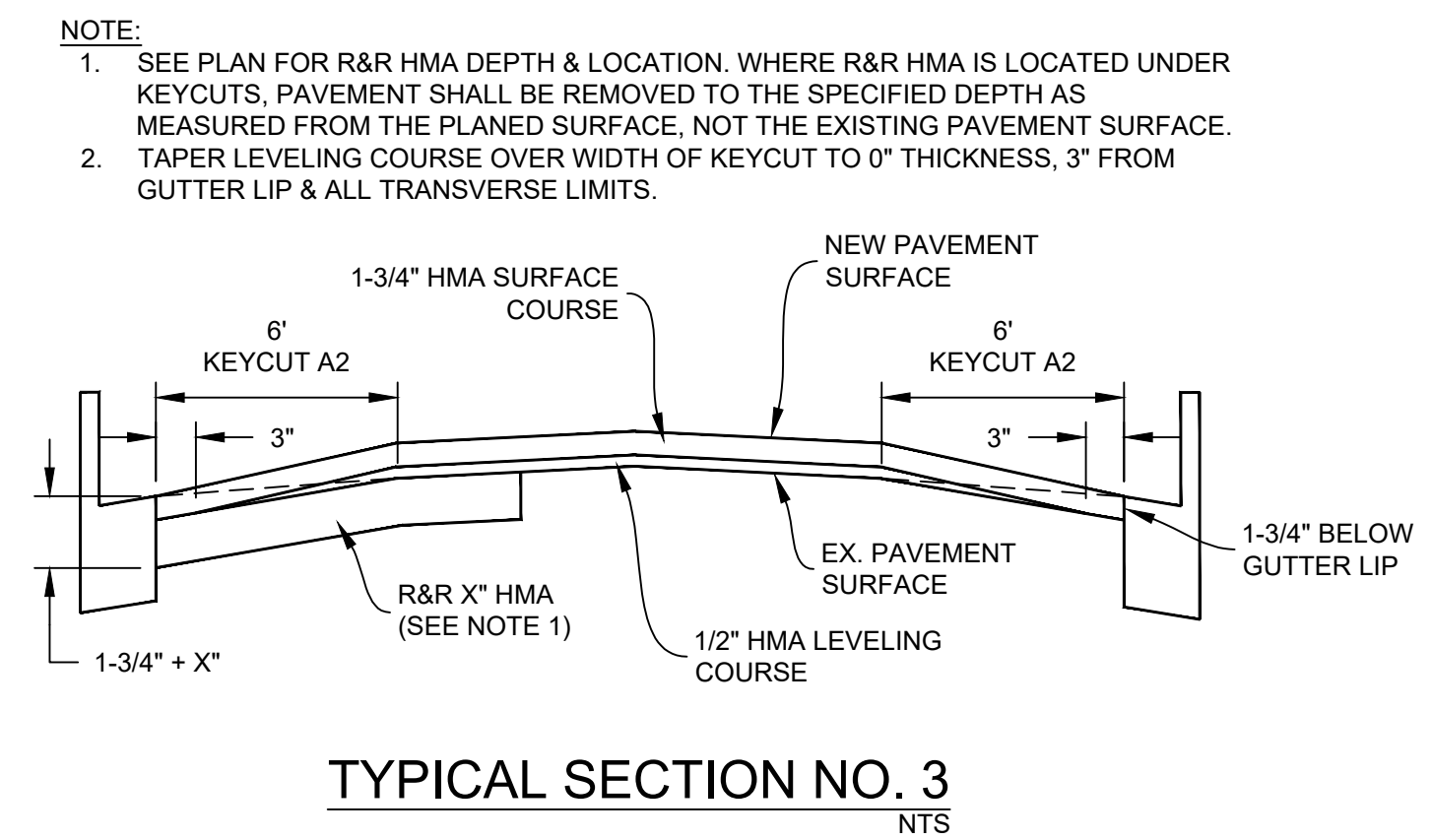
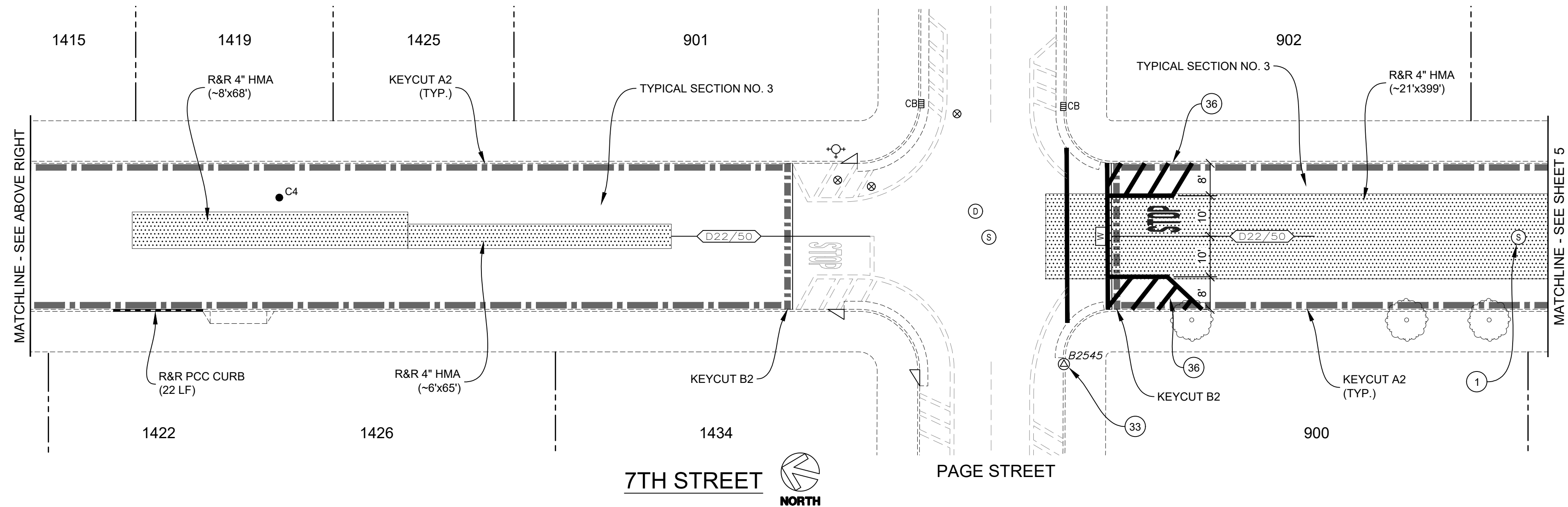
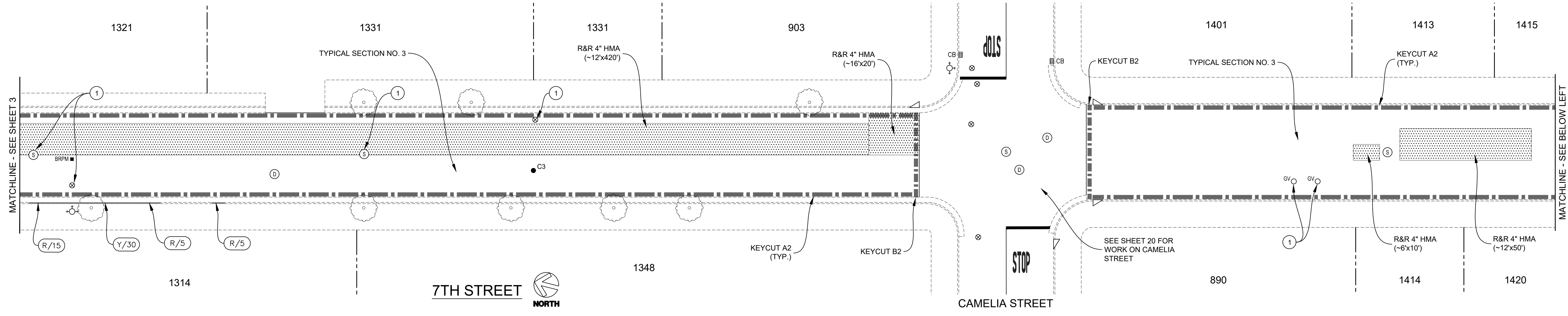
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	6-1/2"	-	-	N
C2	5-1/2"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. SCALE: <u>1"=20'</u>	<b>CITY OF BERKELEY</b> DEPARTMENT OF PUBLIC WORKS	<b>STREET REHABILITATION FY 2024</b> 7TH STREET HARRISON STREET TO UNIVERSITY AVENUE	PLAN: <u>8284</u>
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM_JL</u>	VERT. SCALE: <u>N/A</u>			FILE: <u>501-641</u>
CITY ENGINEER: _____ DATE _____		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____			REVISION: _____
			AS BUILT: _____	DATE: <u>4-29-24</u>			MARK: _____

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

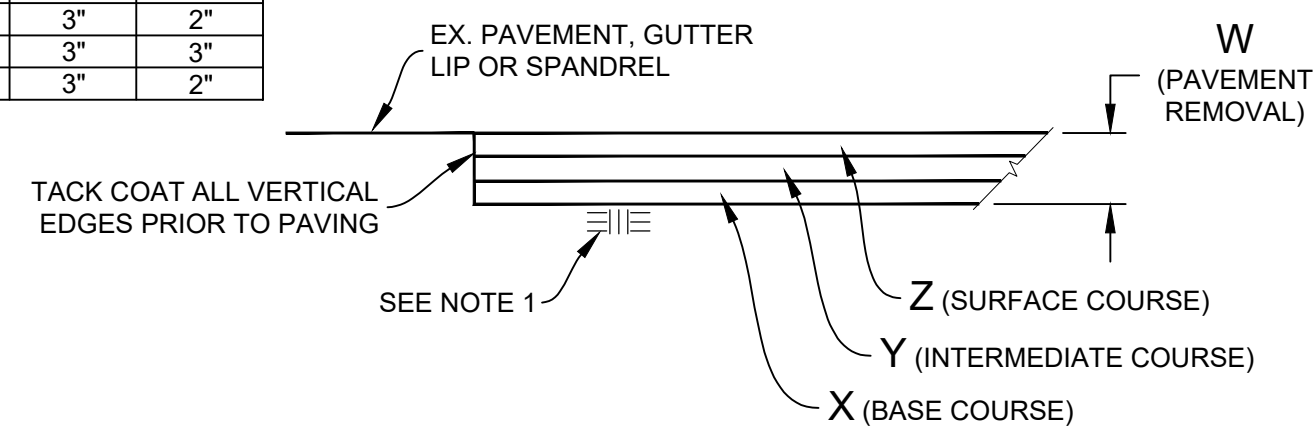


NOTE:  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0\"/>

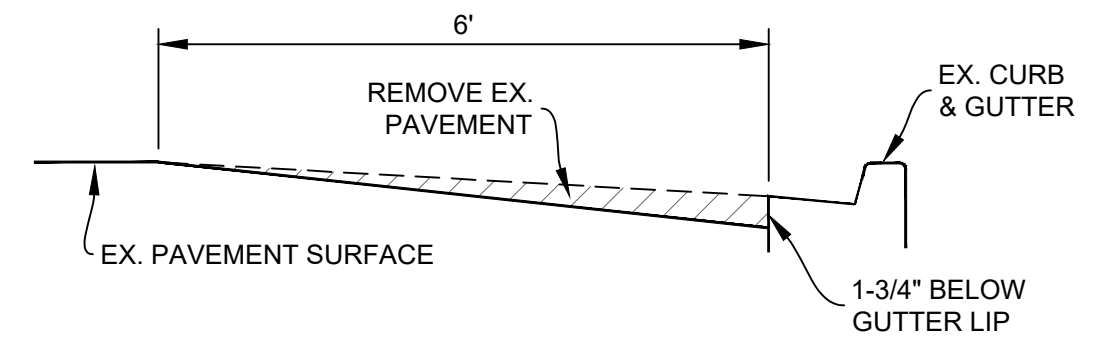
DEPTH MEASUREMENTS

W	X	Y	Z
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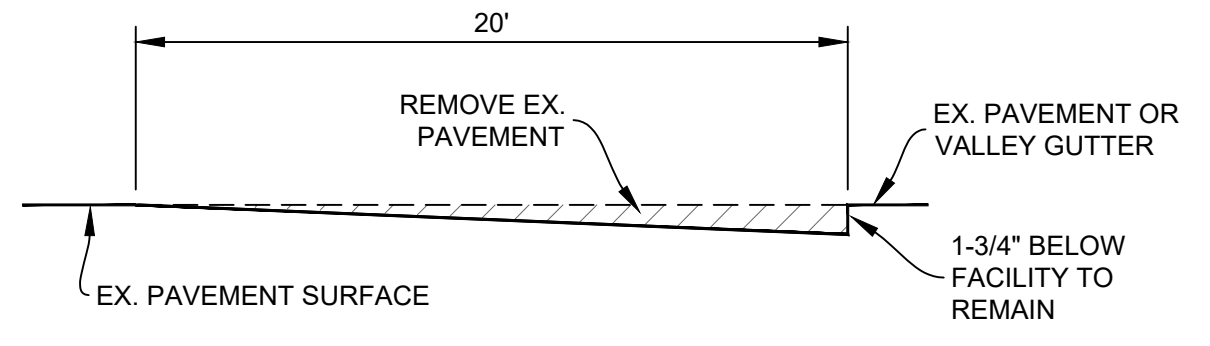
NOTE:  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



REMOVE & REPLACE HMA (VARIOUS DEPTHS) NTS



KEYCUT A2 LONGITUDINAL KEYCUT NTS



KEYCUT B2 TRANSVERSE KEYCUT NTS

CONSTRUCTION NOTES:

- (1) LOWER UTILITY COVER PRIOR TO COLD PLANE.
- (33) SURVEY MONUMENT; PROTECT IN PLACE.
- (36) 12\"/>

BORING LOG

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	4"	12"	9	N
C4	3"	5"	-	Y

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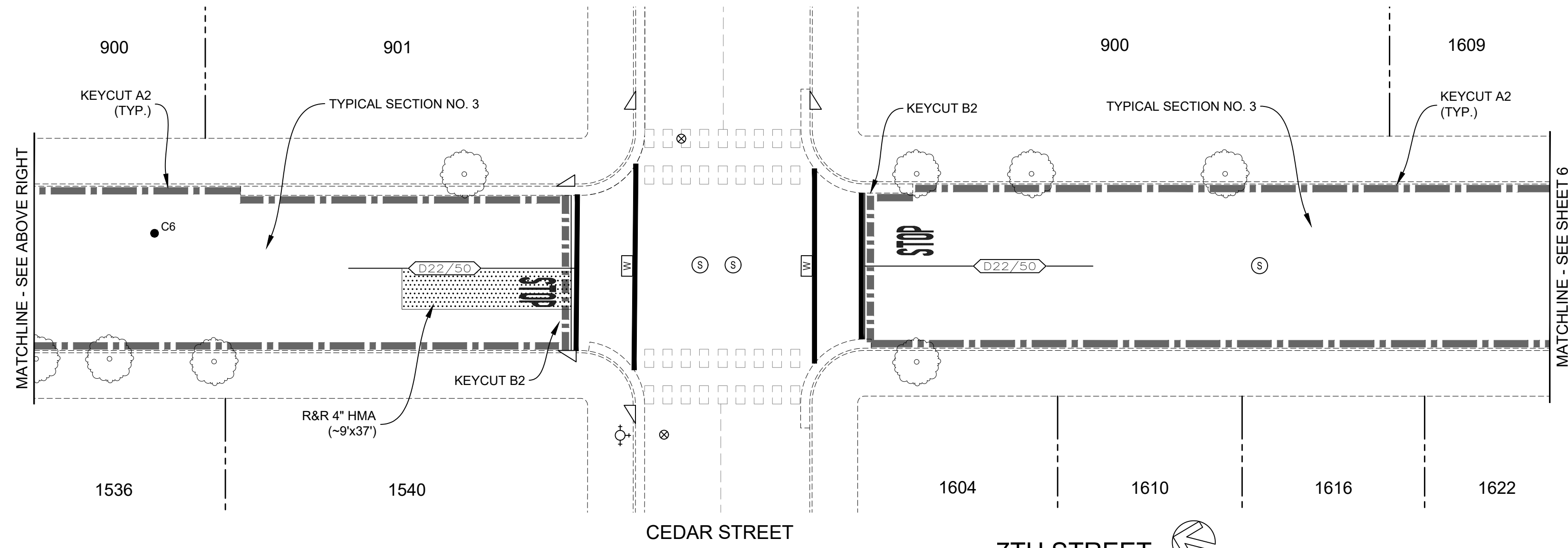
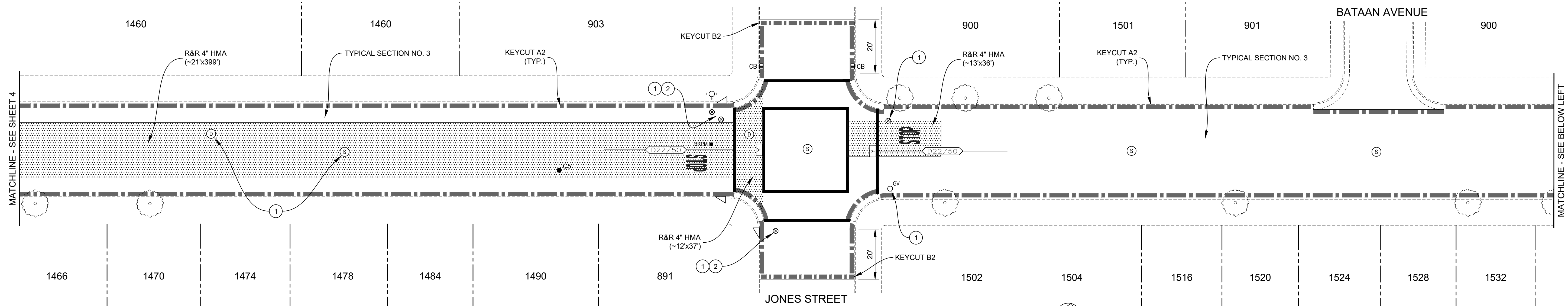
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SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: <u>BM_JL</u>	VERT. SCALE: <u>N/A</u>
		APPROVED: _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE: <u>4-29-24</u>

CITY OF BERKELEY  
 DEPARTMENT OF PUBLIC WORKS

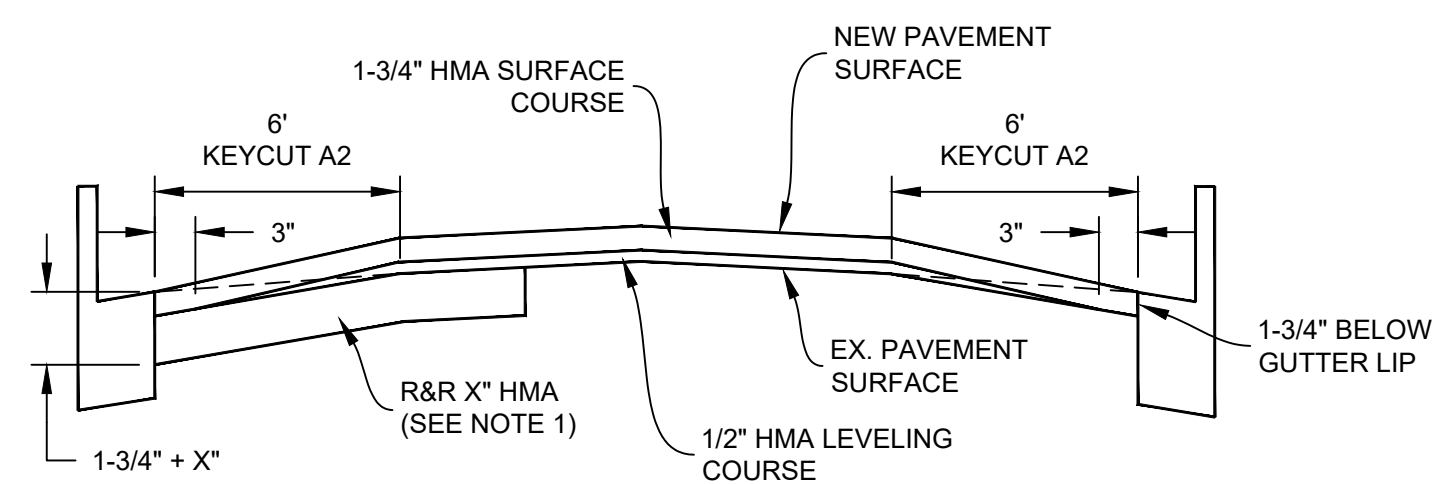
STREET REHABILITATION FY 2024  
 7TH STREET  
 HARRISON STREET TO UNIVERSITY AVENUE

NO.	DESCRIPTION	DATE

PLAN 8284  
 FILE 501-641  
 SHEET 4 OF 63



**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0\"/>

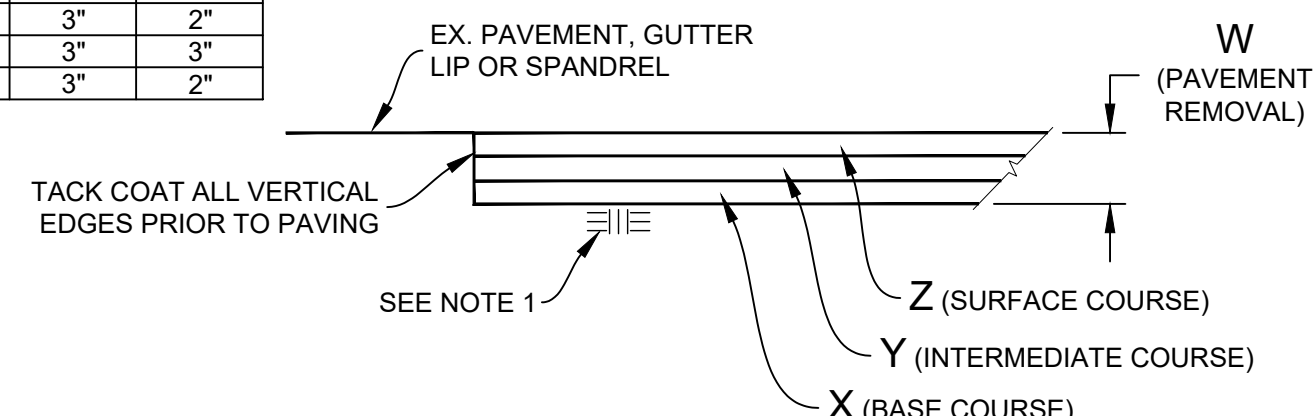


**TYPICAL SECTION NO. 3**  
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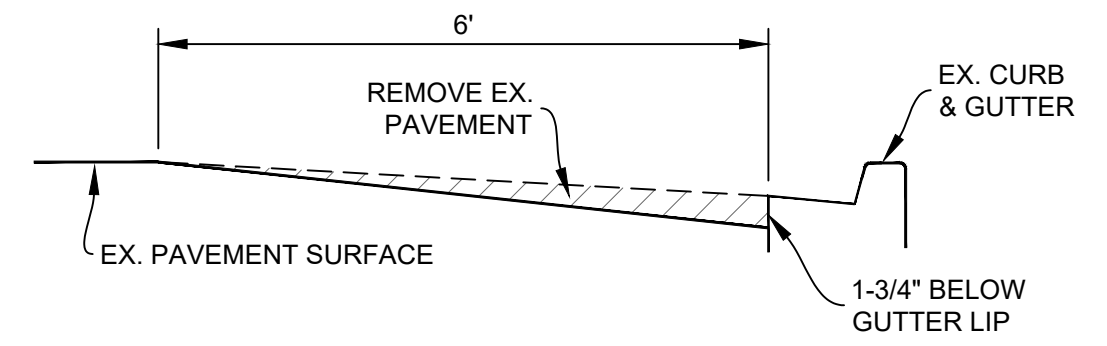
**DEPTH MEASUREMENTS**

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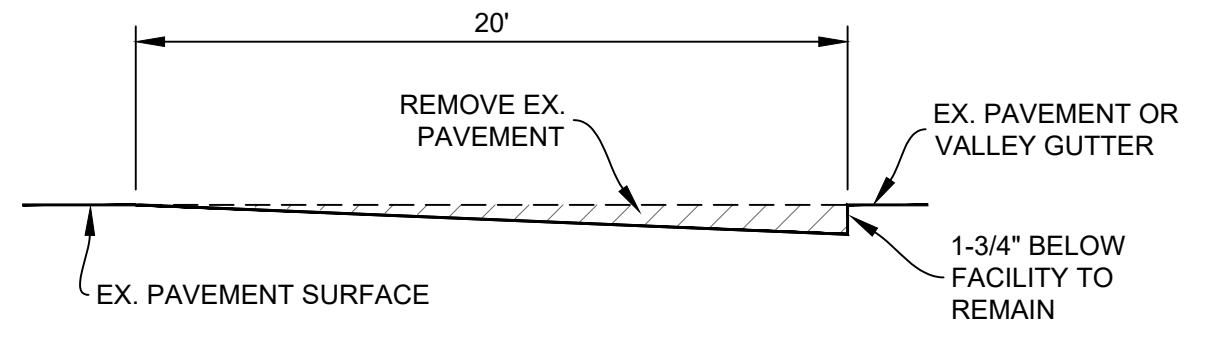
**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**KEYCUT A2 LONGITUDINAL KEYCUT**  
NTS



**KEYCUT B2 TRANSVERSE KEYCUT**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C5	4"	6"	8	Y
C6	4"	6"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



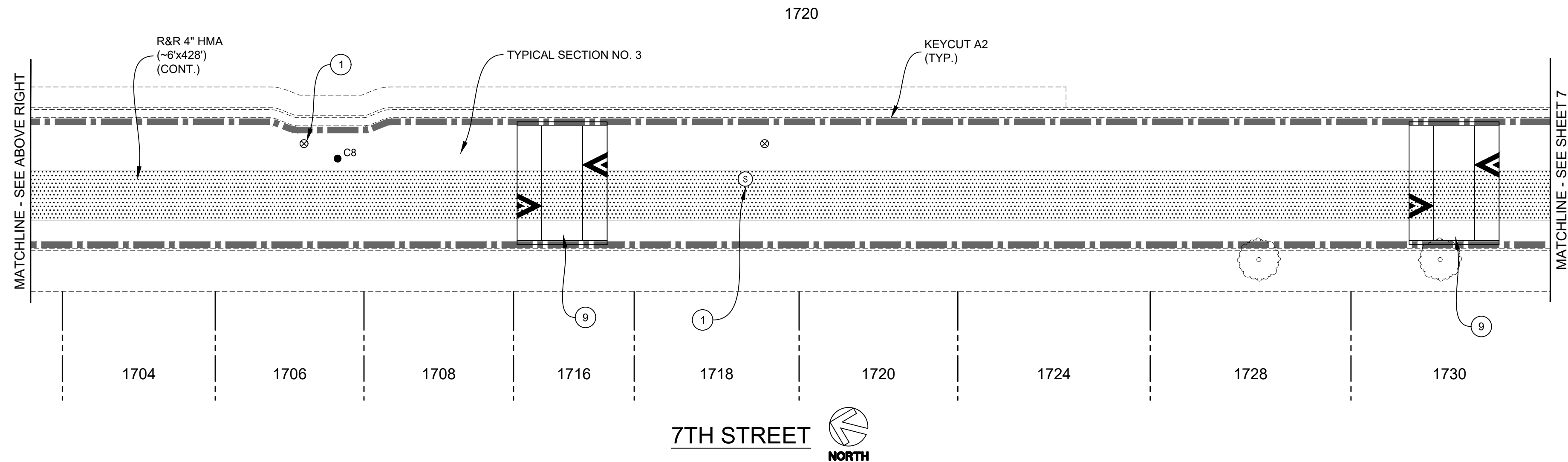
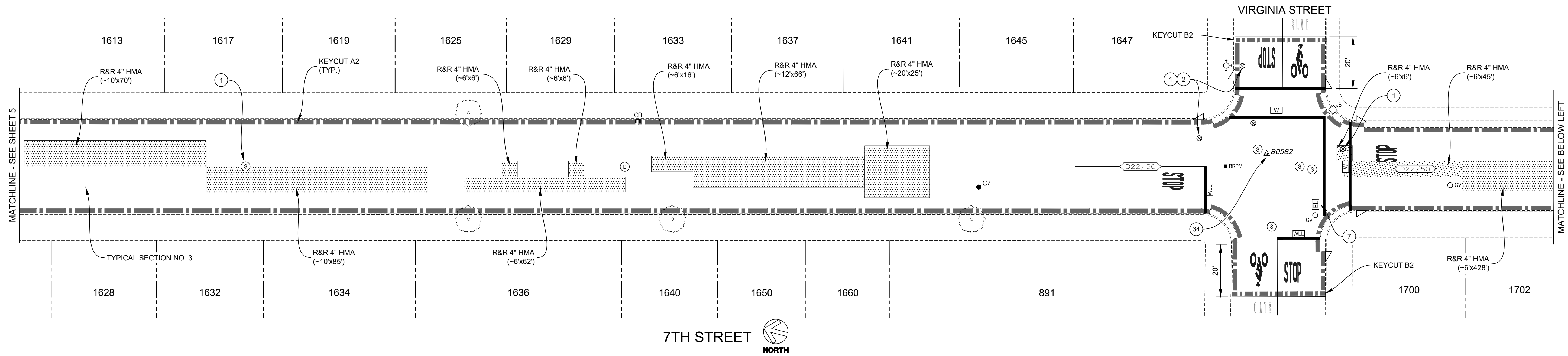
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SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>BM_JL</u>	VERT. <u>N/A</u>
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER _____	APPROVED: _____	CHECK: _____	BOOK _____
			AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

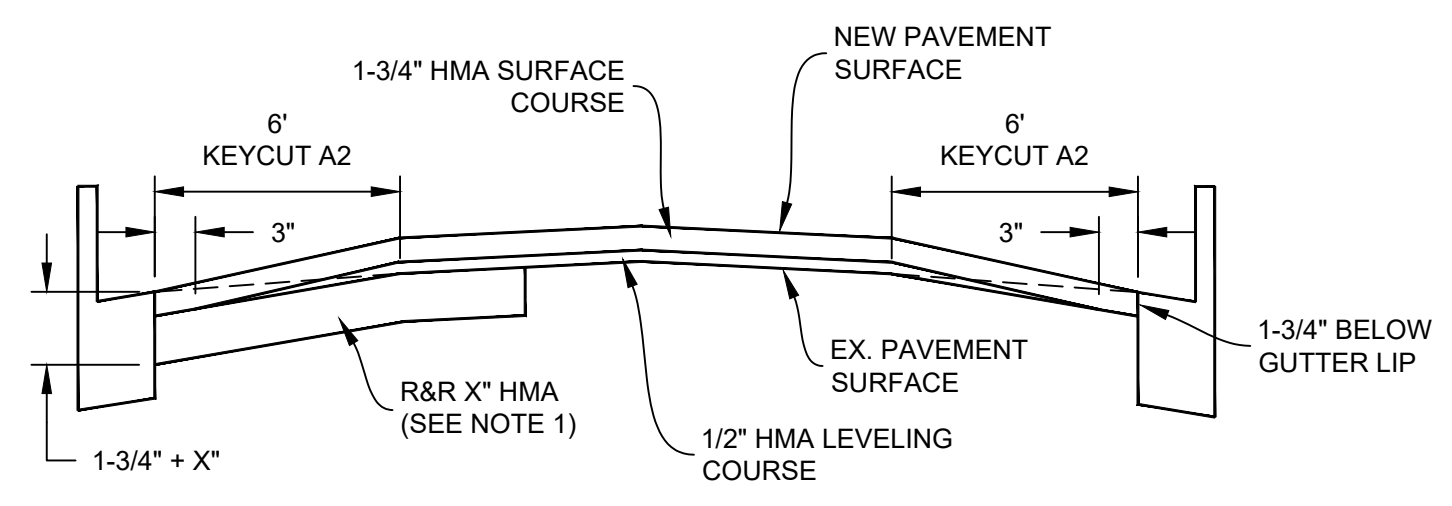
**STREET REHABILITATION FY 2024**  
7TH STREET  
HARRISON STREET TO UNIVERSITY AVENUE

PLAN	8284
FILE	501-641
SHEET	5_of_63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLAINED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0" THICKNESS, 3" FROM GUTTER LIP & ALL TRANSVERSE LIMITS.

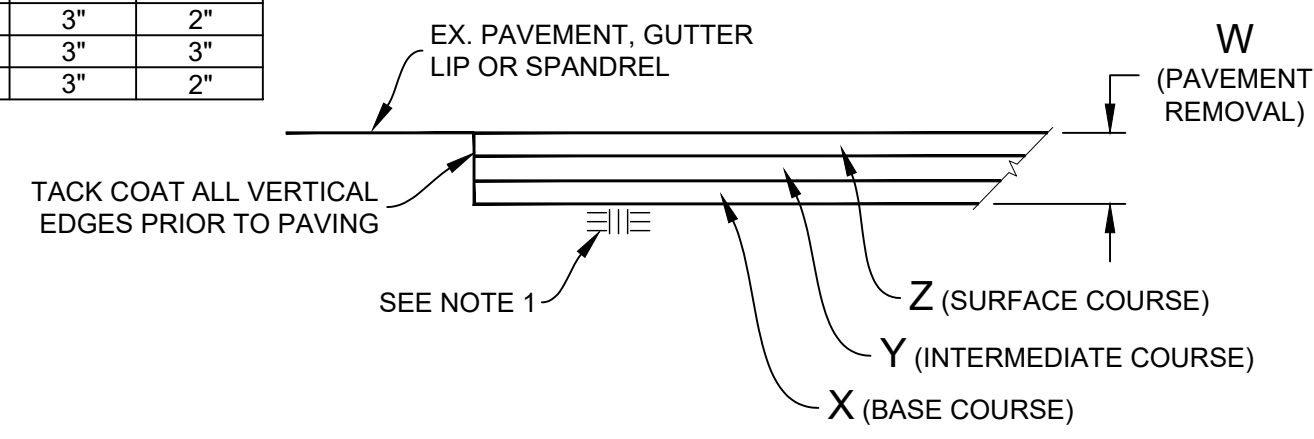


**TYPICAL SECTION NO. 3**  
NTS

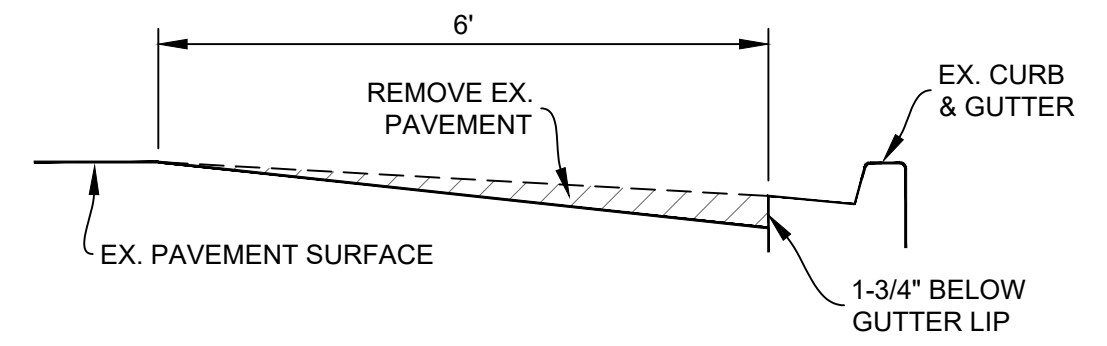
**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

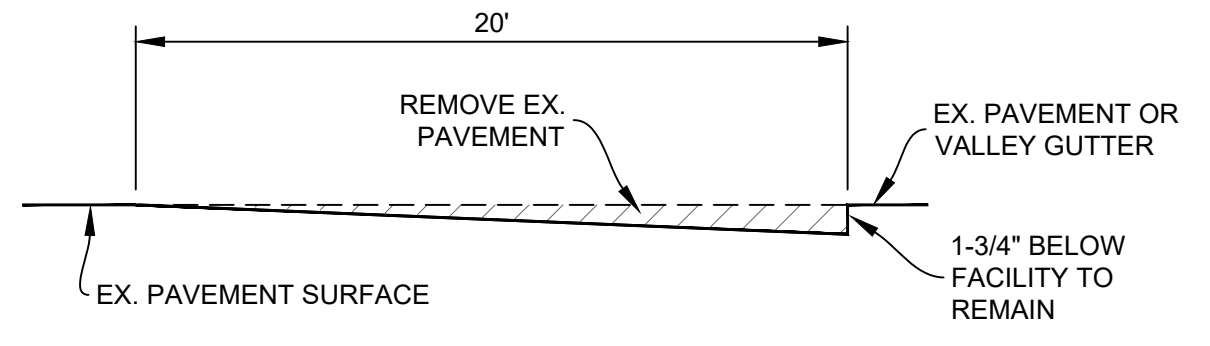
**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**KEYCUT A2 LONGITUDINAL KEYCUT**  
NTS



**KEYCUT B2 TRANSVERSE KEYCUT**  
NTS

**CONSTRUCTION NOTES:**

- 1 LOWER UTILITY COVER PRIOR TO COLD PLANE.
- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 7 ELECTRICAL VAULT: CONTRACTOR SHALL COORDINATE WITH PG&E & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- 9 REMOVE EXISTING SPEED HUMP & CONSTRUCT SPEED TABLE PER CITY OF BERKELEY STANDARD DETAIL "MIDBLOCK SPEED TABLE".
- 34 SURVEY MONUMENT: REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C7	2-1/2"	5-1/2"	8	Y
C8	2-1/2"	4-1/2"	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



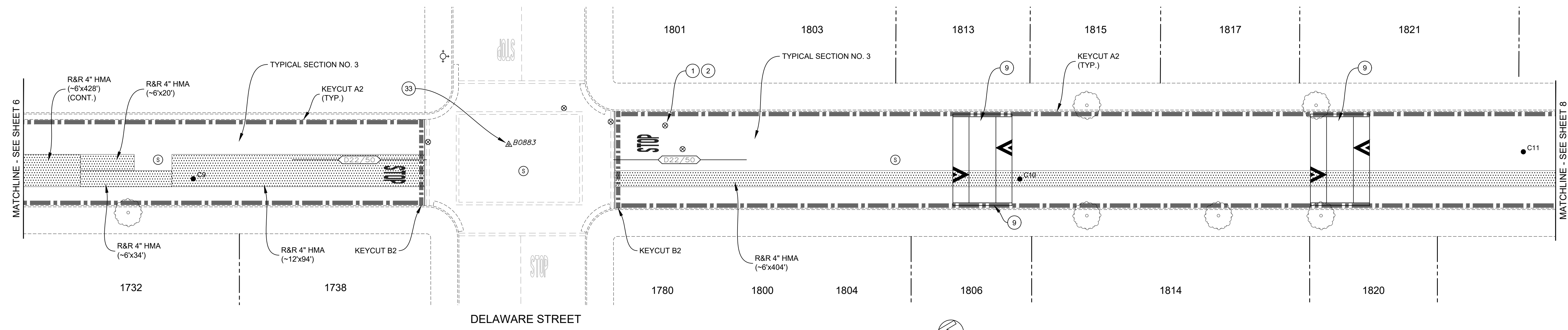
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>BM_JL</u>	VERT. <u>N/A</u>
		APPROVED: _____	CHECK: _____	BOOK _____
		CITY ENGINEER _____	AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

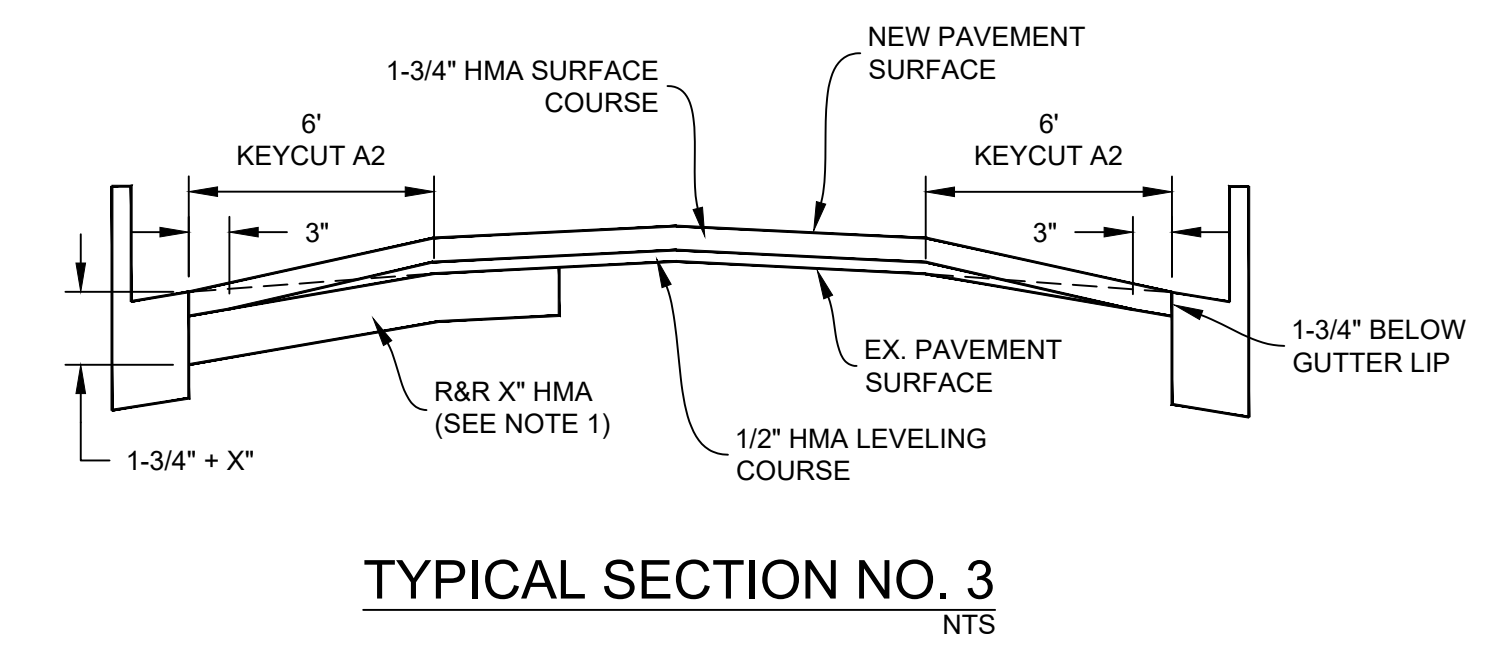
**STREET REHABILITATION FY 2024**  
7TH STREET  
HARRISON STREET TO UNIVERSITY AVENUE

PLAN	8284
FILE	501-641
SHEET	8_of_83

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



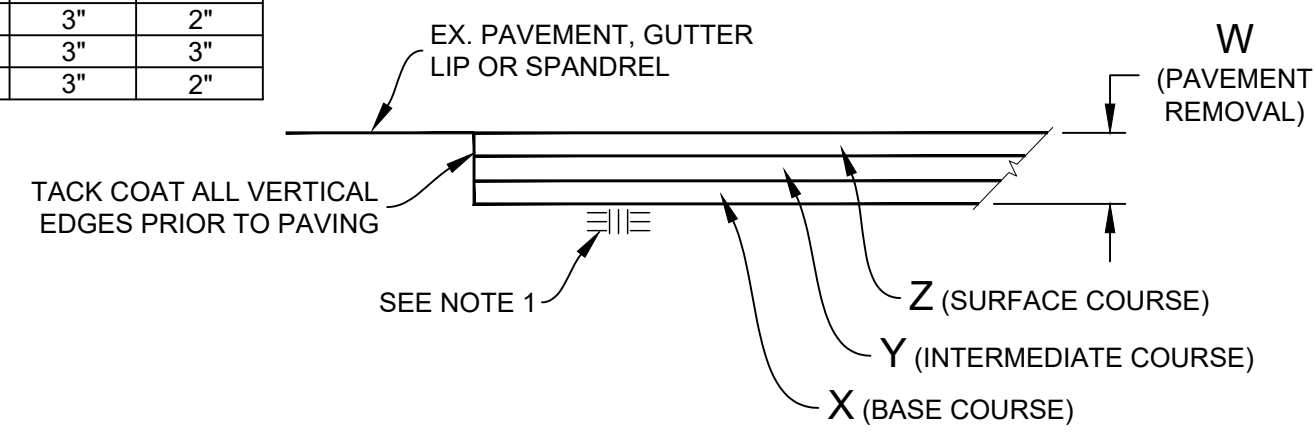
**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0\"/>



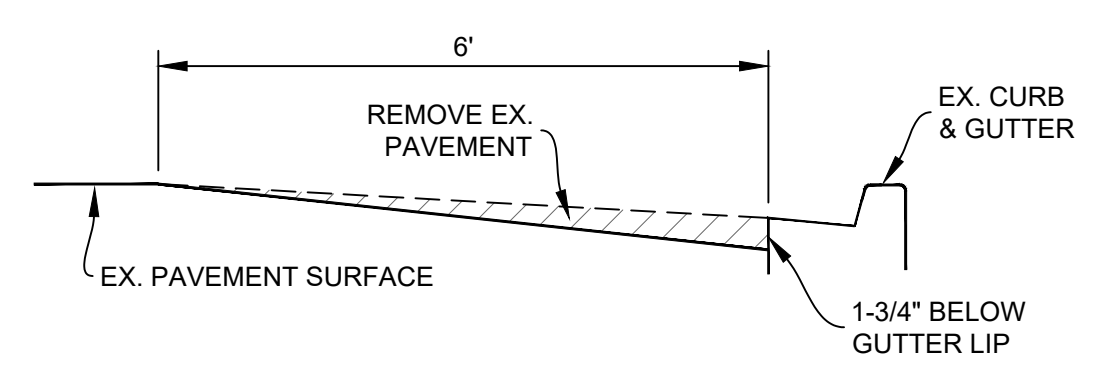
**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

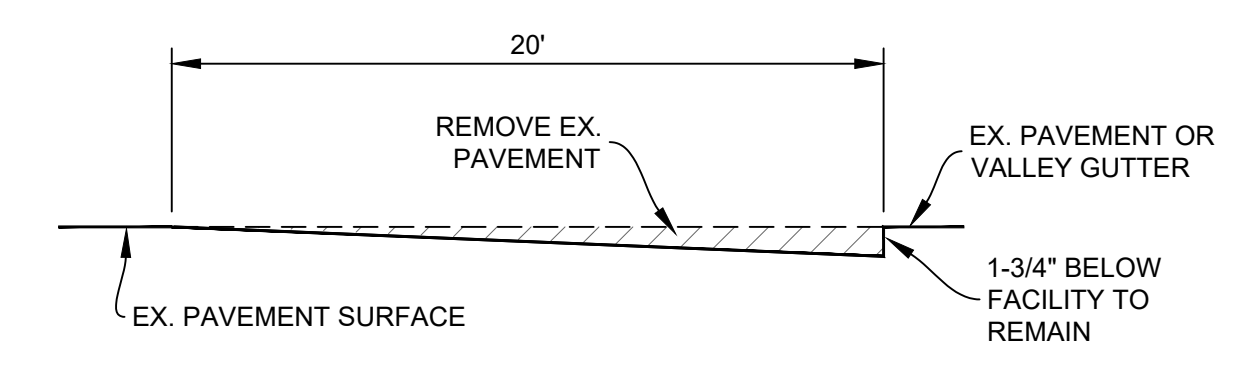
**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**KEYCUT A2 LONGITUDINAL KEYCUT**  
NTS



**KEYCUT B2 TRANSVERSE KEYCUT**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ⑨ REMOVE EXISTING SPEED HUMP & CONSTRUCT SPEED TABLE PER CITY OF BERKELEY STANDARD DETAIL "MIDBLOCK SPEED TABLE".
- ③③ SURVEY MONUMENT; PROTECT IN PLACE.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C9	3"	5"	-	N
C10	2-1/2"	5-1/2"	9	N
C11	4-1/2"	5"	-	N

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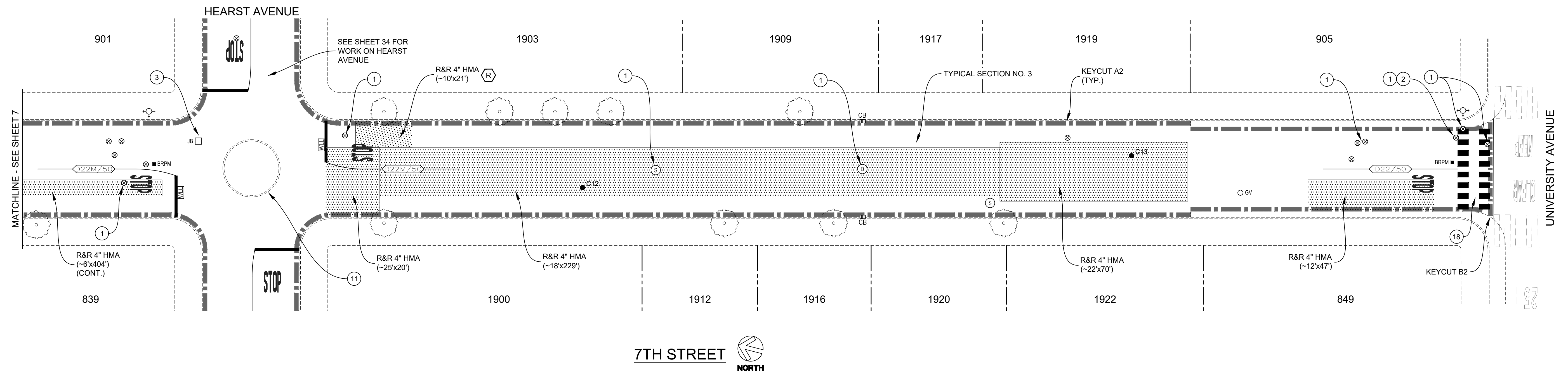
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM_JL</u>	VERT. <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
		CITY ENGINEER: _____ DATE _____	AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

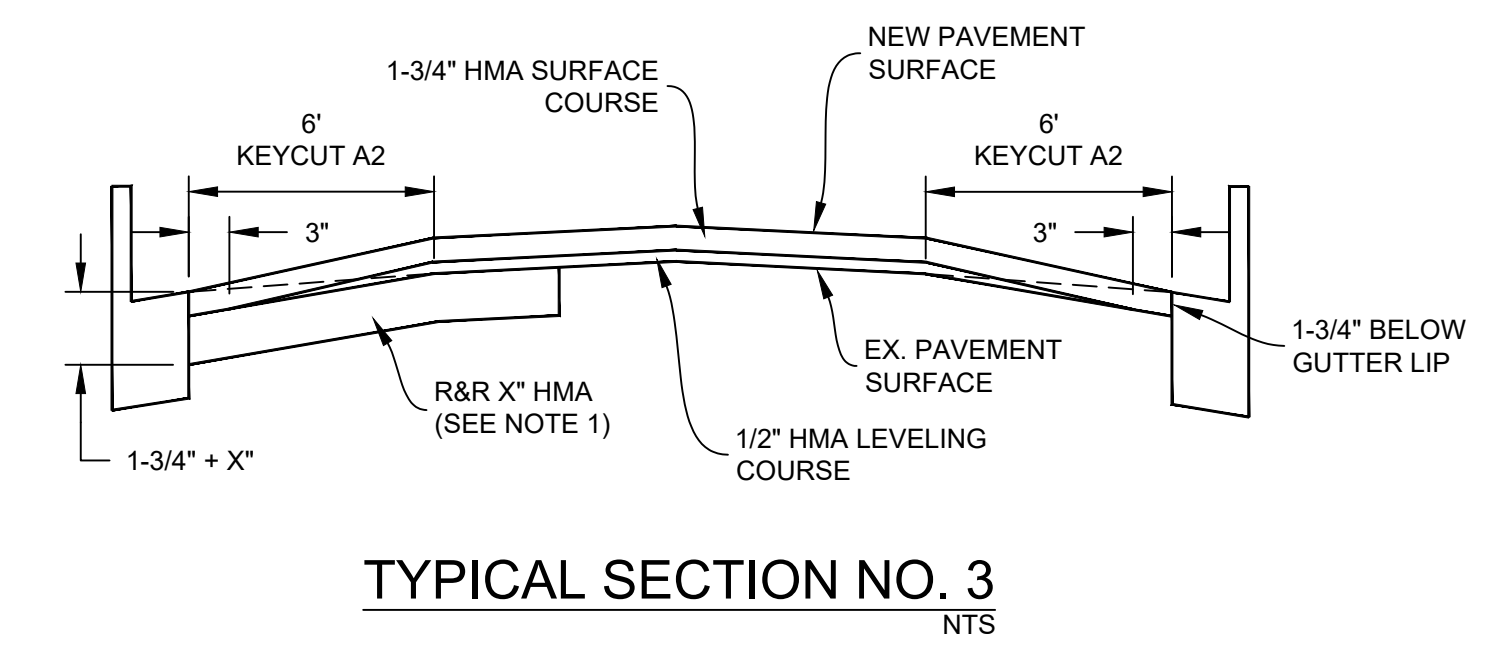
**STREET REHABILITATION FY 2024**  
7TH STREET  
HARRISON STREET TO UNIVERSITY AVENUE

PLAN	8284
FILE	501-641
SHEET	Z OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



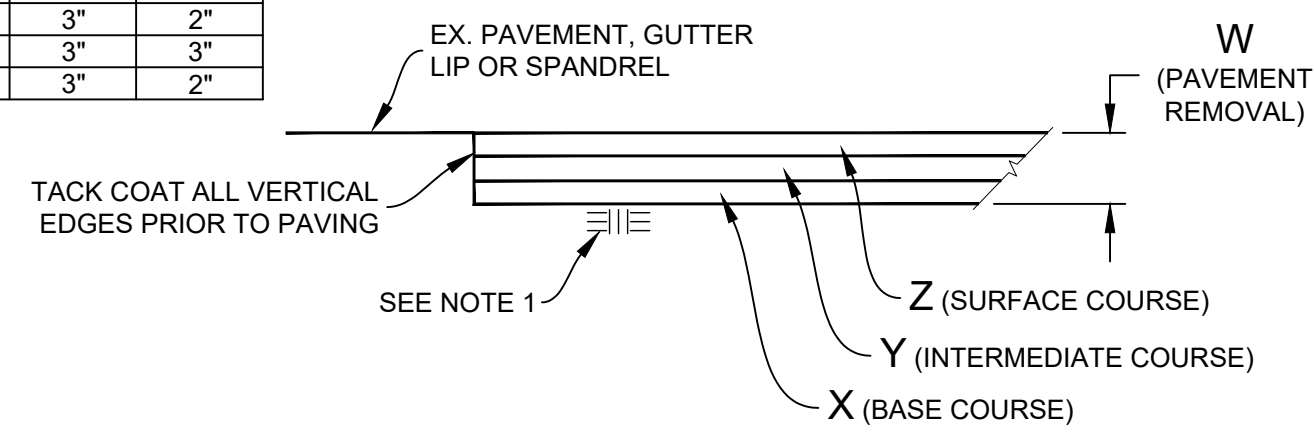
- NOTE:**
- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.
  - TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0" THICKNESS, 3" FROM GUTTER LIP & ALL TRANSVERSE LIMITS.



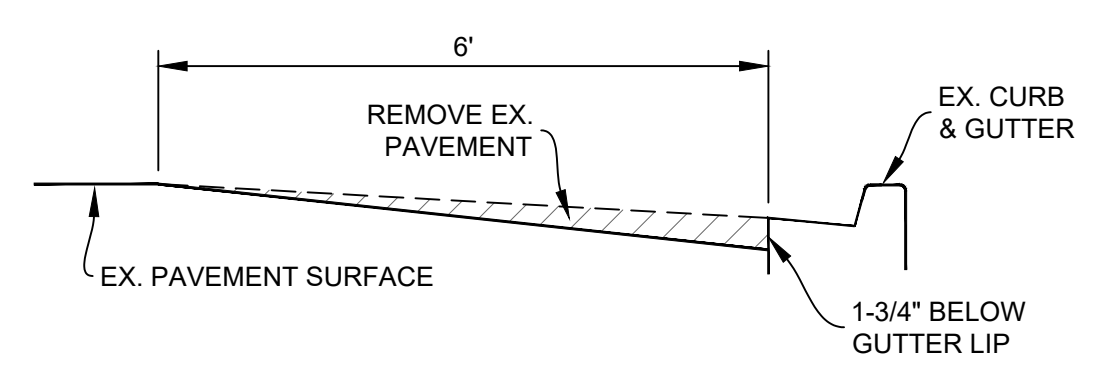
**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

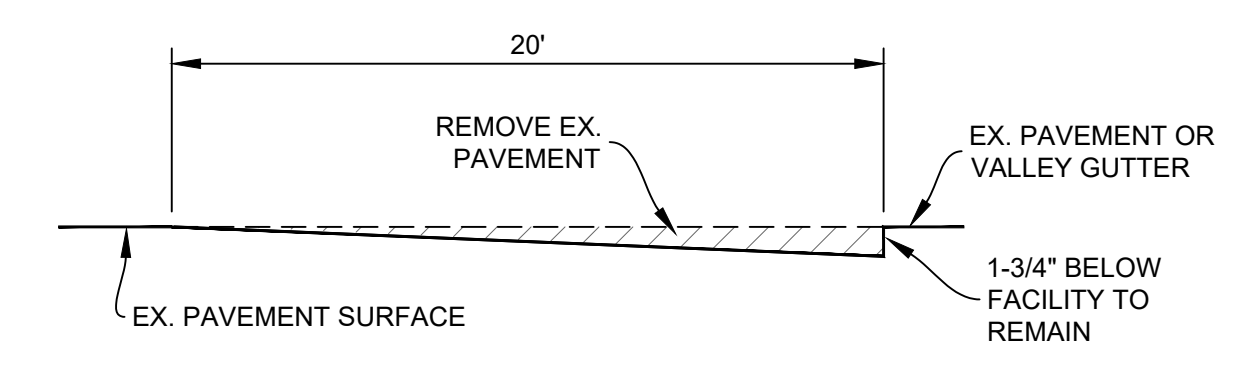
**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**KEYCUT A2 LONGITUDINAL KEYCUT**  
NTS



**KEYCUT B2 TRANSVERSE KEYCUT**  
NTS

**CONSTRUCTION NOTES:**

- LOWER UTILITY COVER PRIOR TO COLD PLANE.
- INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- JUNCTION BOX: PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- PAVE AGAINST MEDIAN CURB FACE.
- REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C12	2-1/2"	4-1/2"	10	N
C13	2"	6"	-	N

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PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>BM, JL</u>	VERT. <u>N/A</u>
CITY ENGINEER _____		APPROVED: _____	CHECK: _____	BOOK _____
			AS BUILT _____	DATE <u>4-29-24</u>

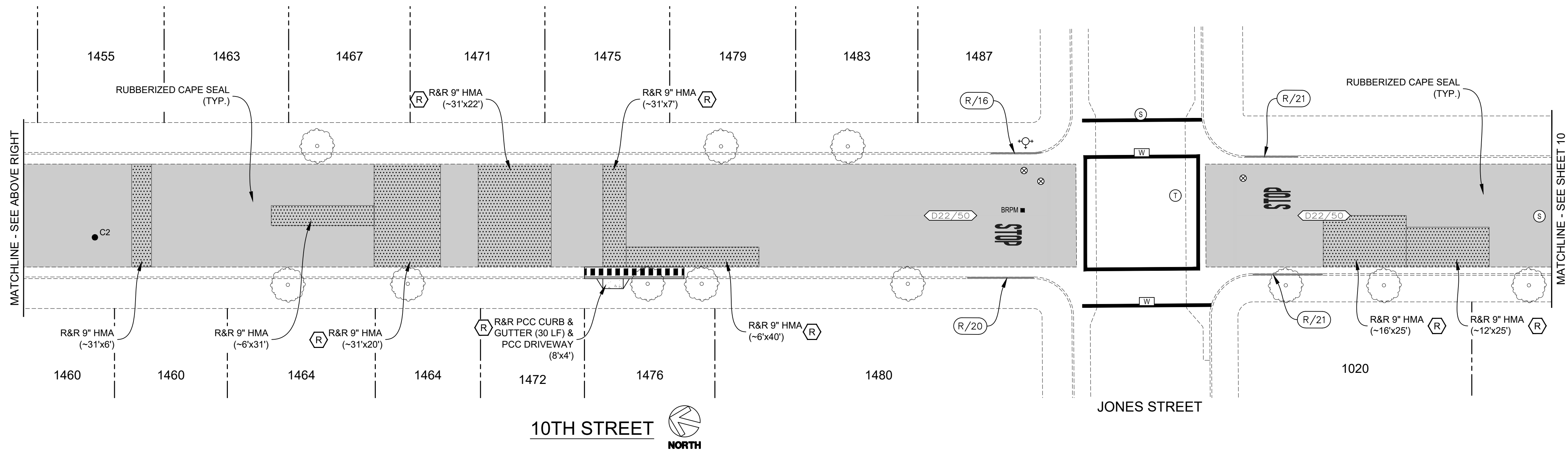
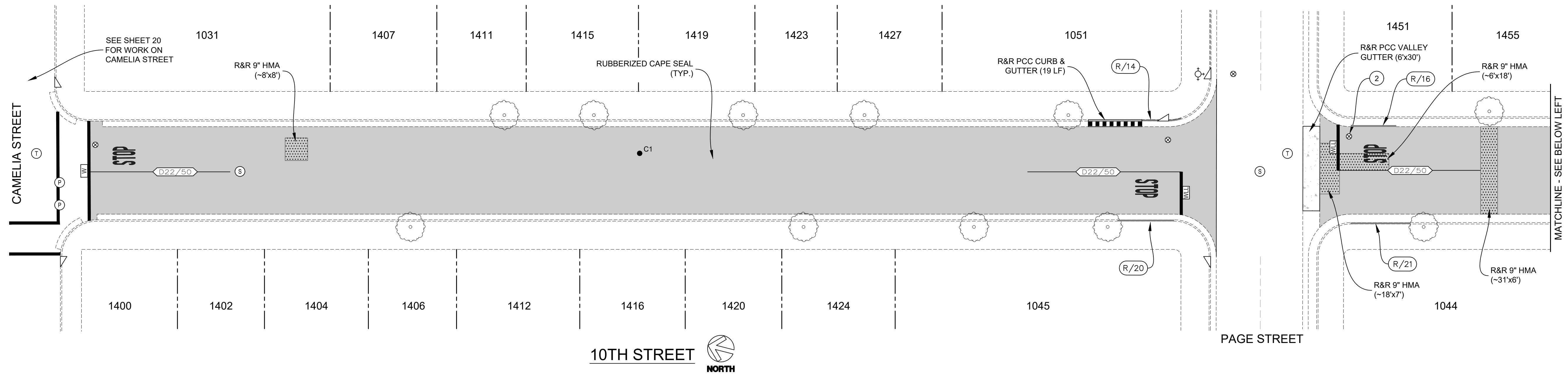
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
7TH STREET  
HARRISON STREET TO UNIVERSITY AVENUE

PLAN 8284  
FILE 501-641  
SHEET 8 OF 83

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

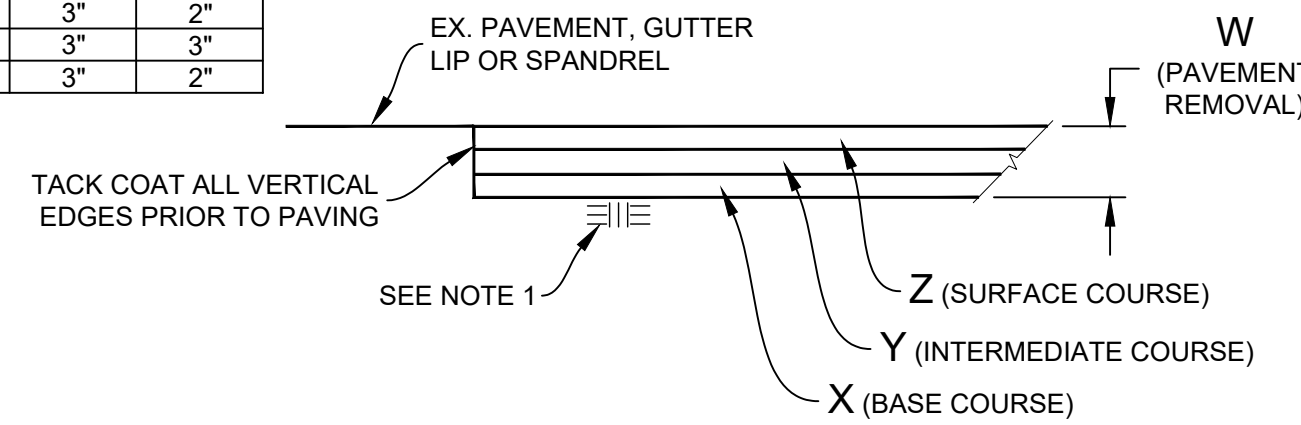




DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

CONSTRUCTION NOTES:

- 2. INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.

BORING LOG

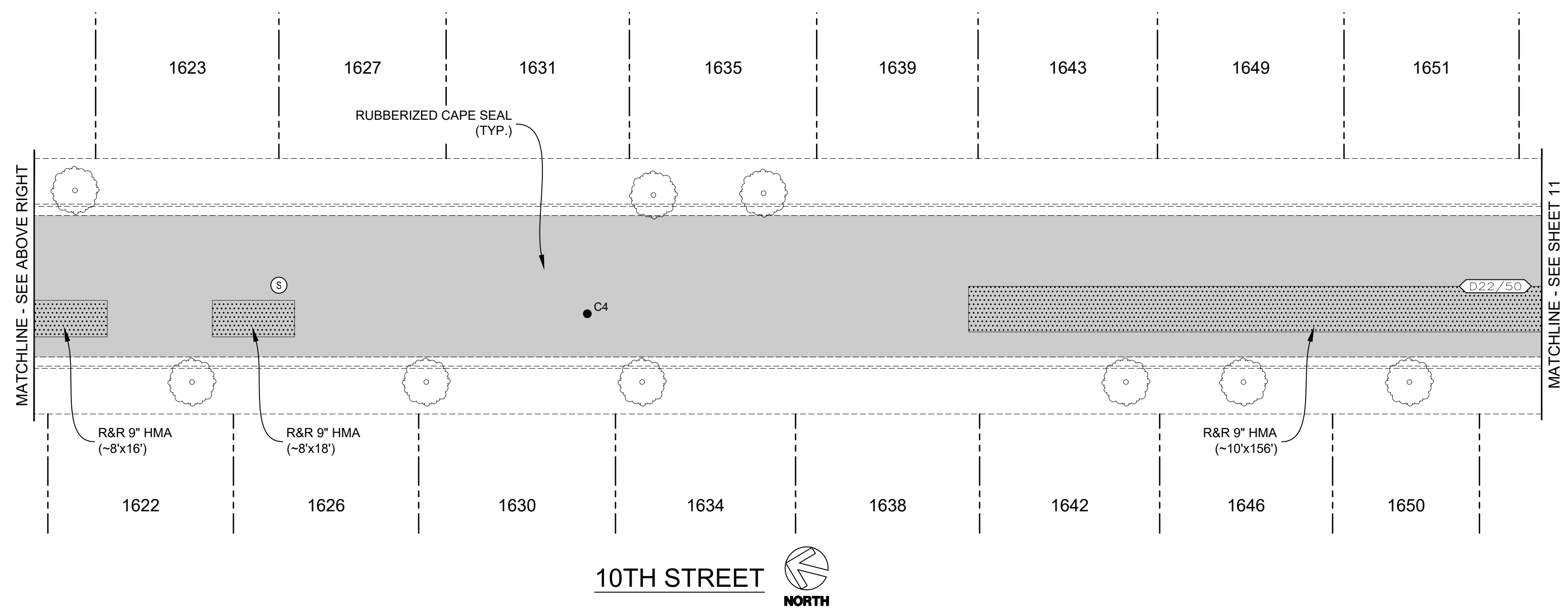
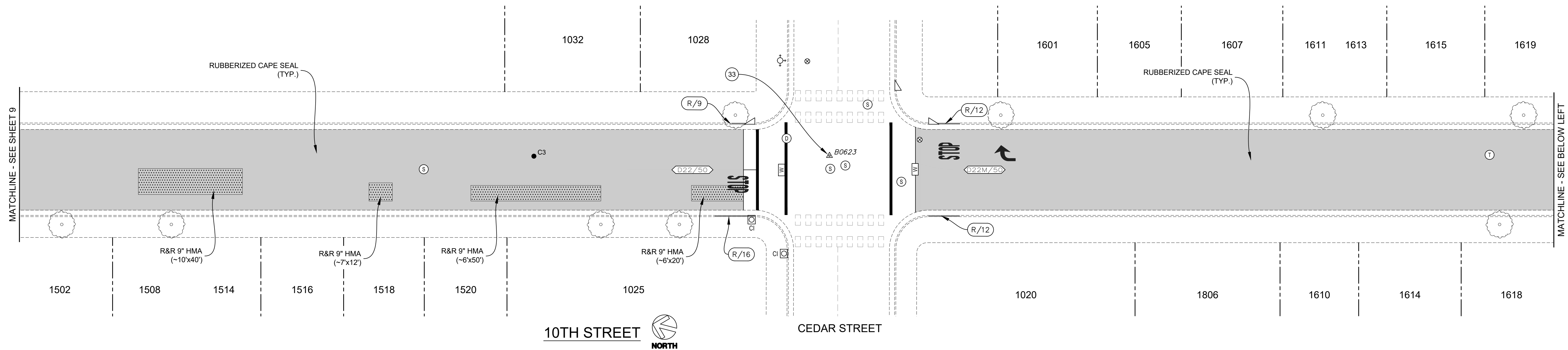
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	7"	-	-	N
C2	8"	-	-	N

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PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=20'	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 10TH STREET CAMELIA STREET TO UNIVERSITY AVENUE	PLAN: 8284	
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: BM	VERT.: N/A			FILE: 501-641	
APPROVED: _____	CITY ENGINEER: _____	APPROVED: _____	CHECK: _____	BOOK: _____			REVISION: _____	DATE: _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	AS BUILT: _____	DATE: 4-29-24	DATE: _____	DATE: _____			MARK: _____	DATE: _____

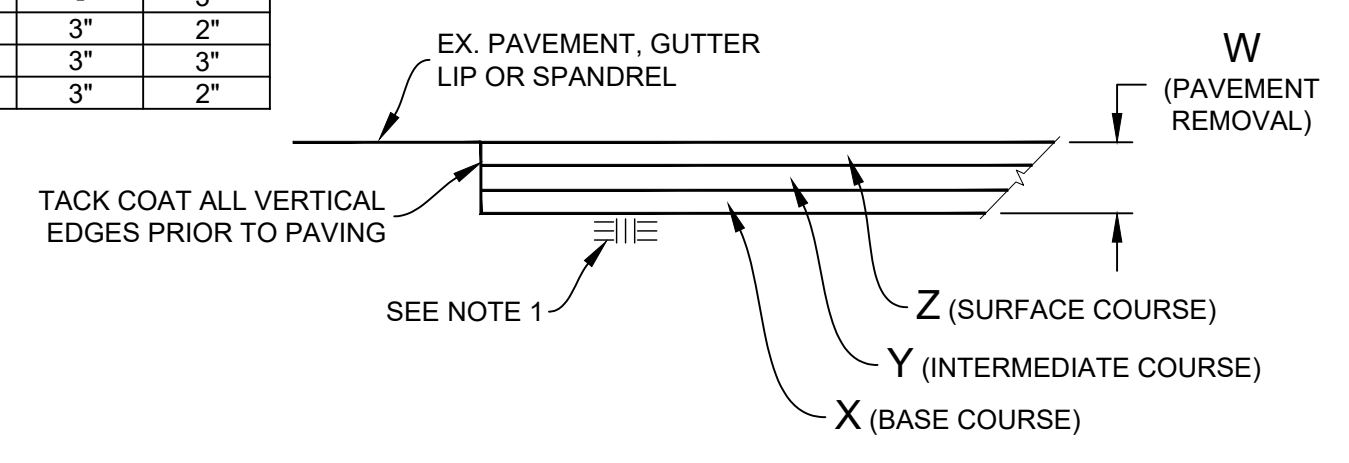
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- (S) UTILITY COVER; PROTECT IN PLACE.
- (33) SURVEY MONUMENT; PROTECT IN PLACE.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	9	-	-	N
C4	3-1/2"	4"	-	Y

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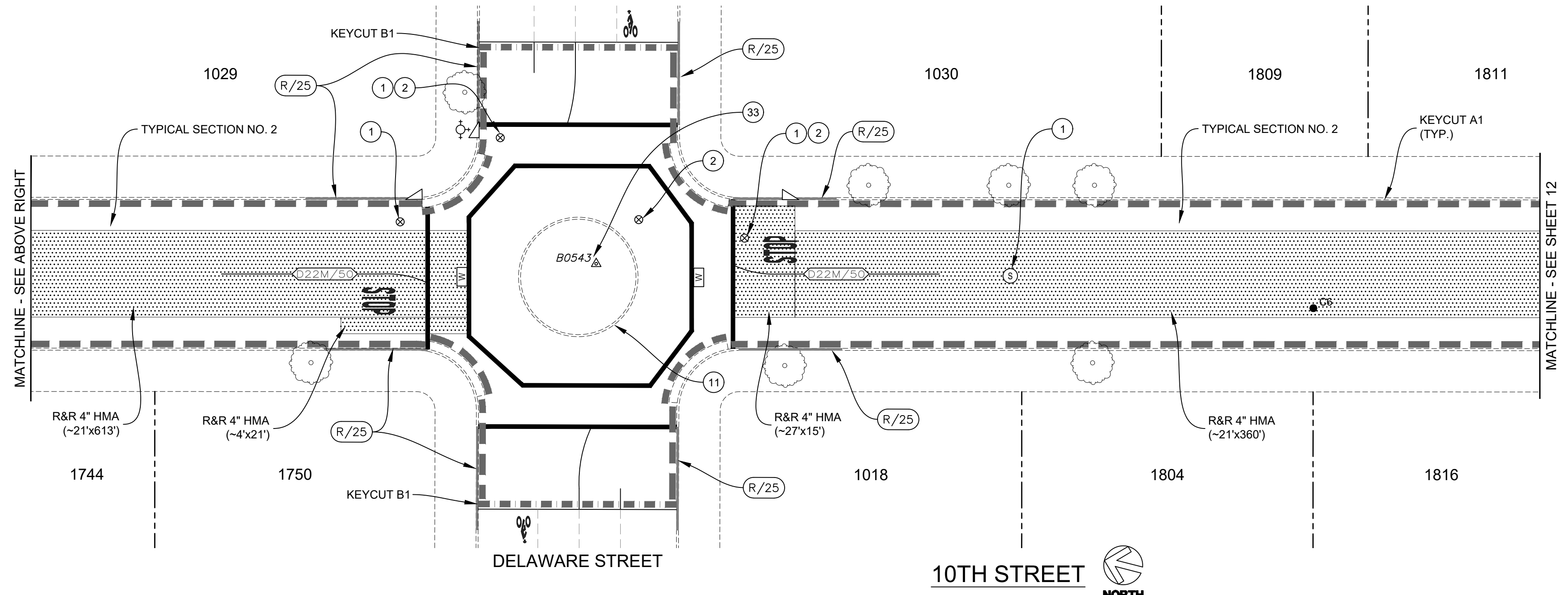
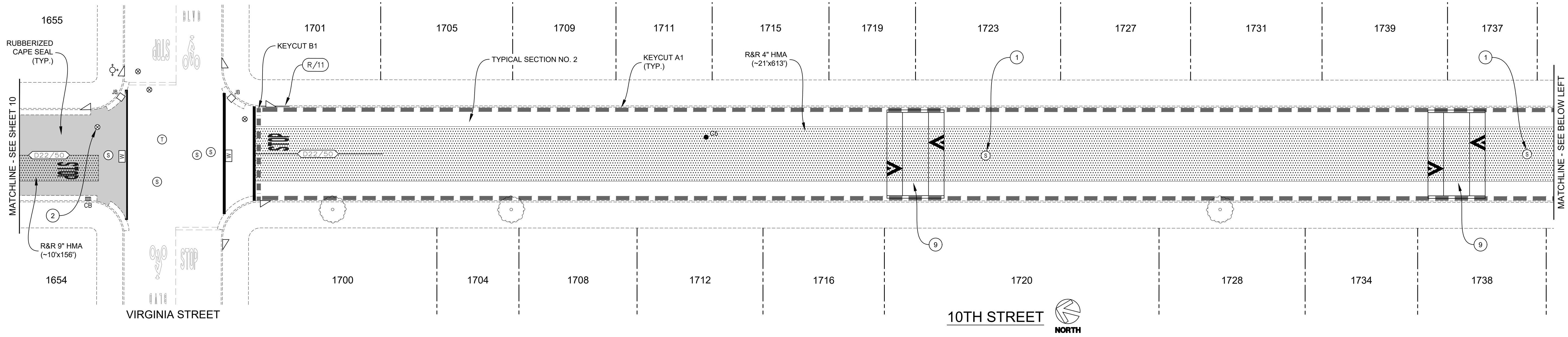


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
_____	SURVEY CHIEF OF PARTY _____ DATE _____	SUPERVISING CIVIL ENGINEER _____ DATE _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>
_____	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	CHECK: <u>-</u>	BOOK _____
_____	_____	CITY ENGINEER _____ DATE _____	AS BUILT _____	DATE <u>4-29-24</u>

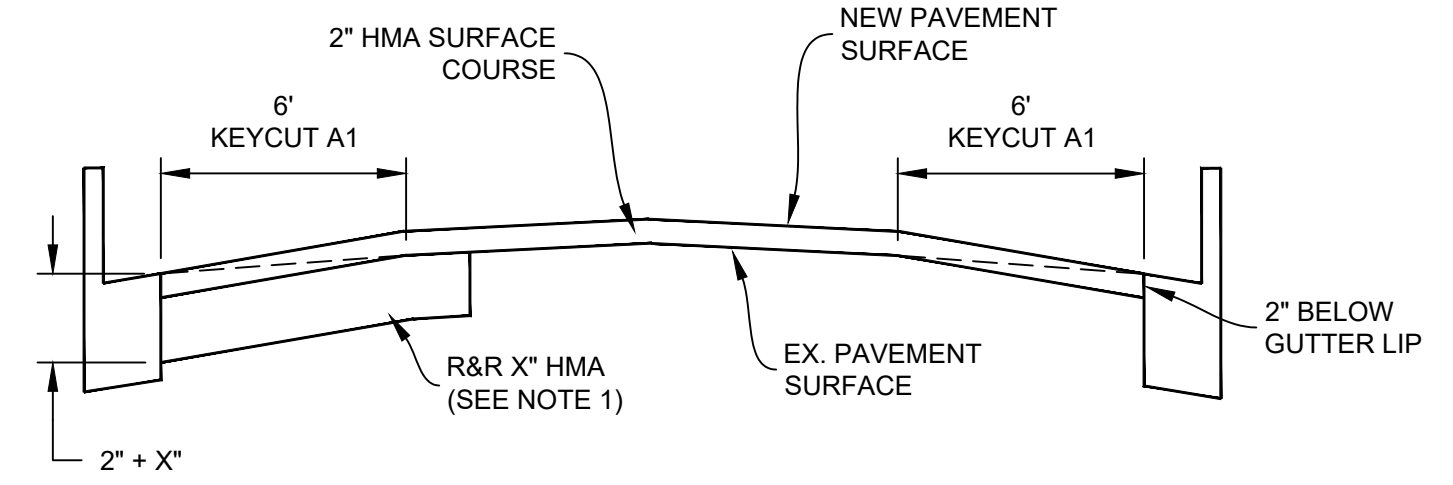
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
10TH STREET  
CAMELIA STREET TO UNIVERSITY AVENUE

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



NOTE:  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.

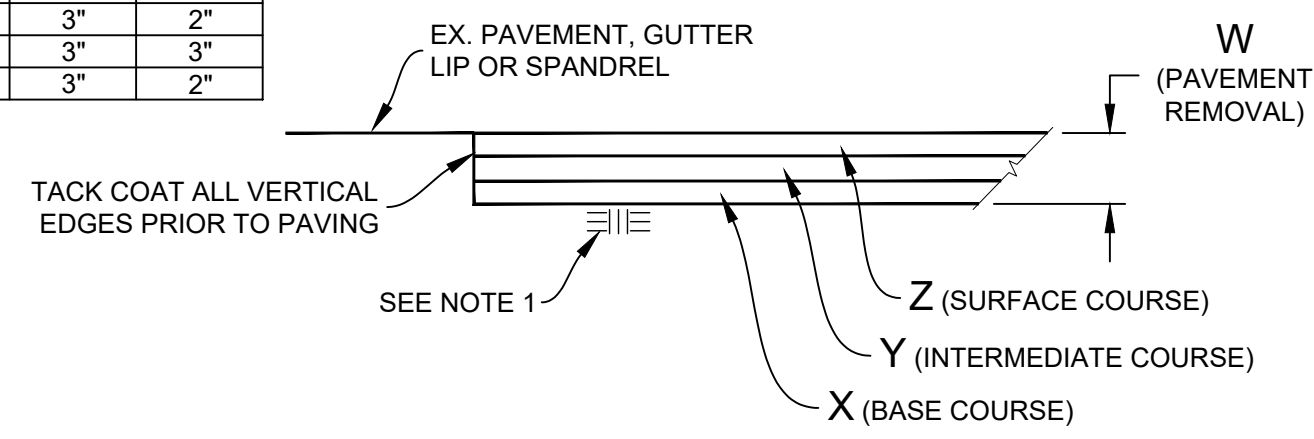


TYPICAL SECTION NO. 2  
NTS

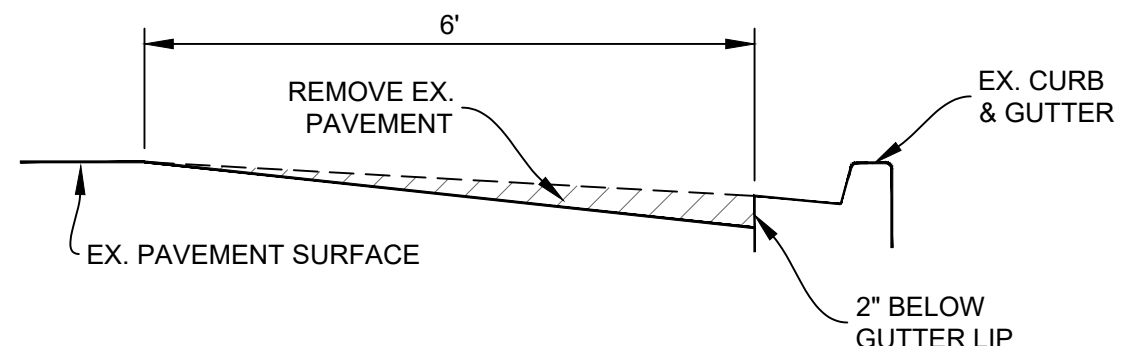
DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

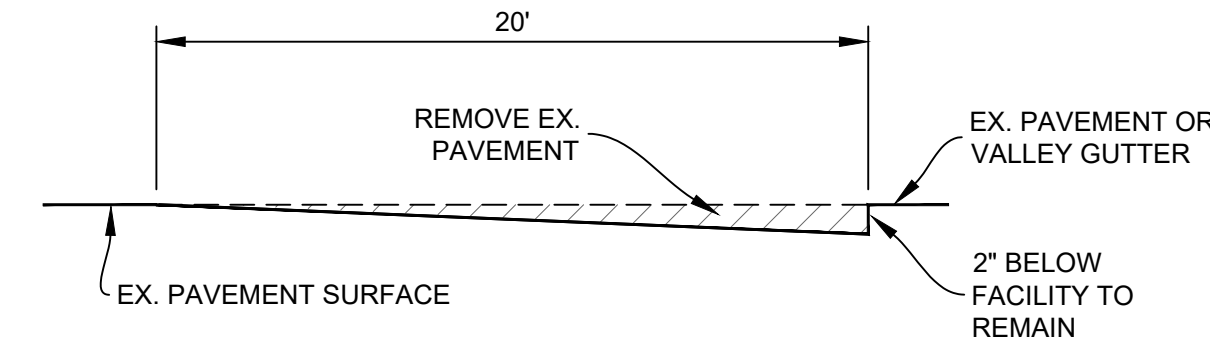
NOTE:  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS



KEYCUT A1  
(LONGITUDINAL KEYCUT)  
NTS



KEYCUT B1  
(TRANSVERSE KEYCUT)  
NTS

CONSTRUCTION NOTES:

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ③ REMOVE EXISTING SPEED HUMP & CONSTRUCT SPEED TABLE PER CITY OF BERKELEY STANDARD DETAIL "MIDBLOCK SPEED TABLE".
- ④ PAVE AGAINST MEDIAN CURB FACE.
- ⑤ SURVEY MONUMENT; PROTECT IN PLACE.

BORING LOG

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C5	3-1/2"	4"	-	Y
C6	3-1/2"	5"	-	Y

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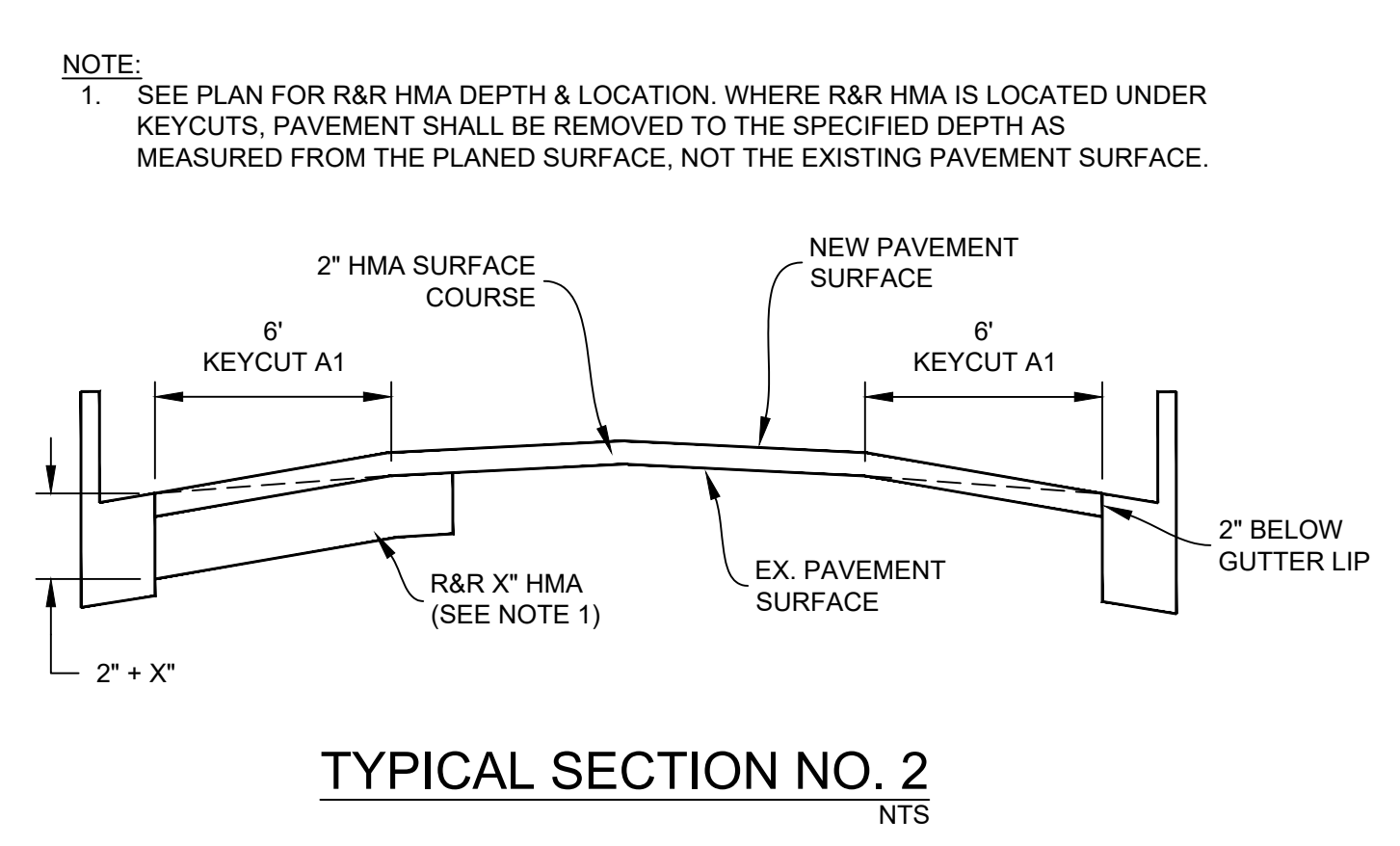
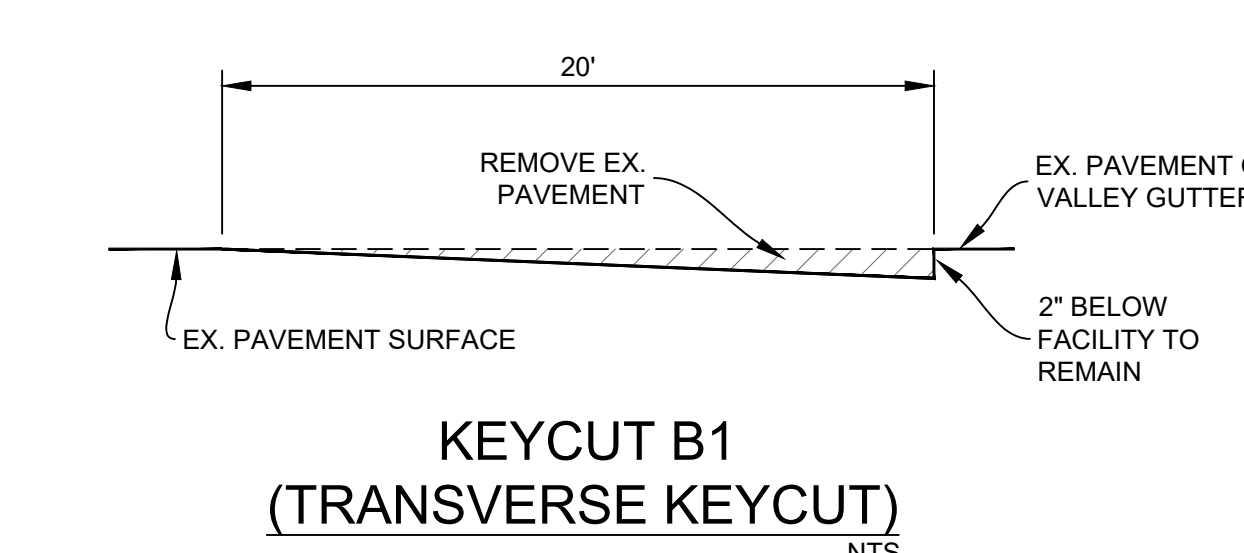
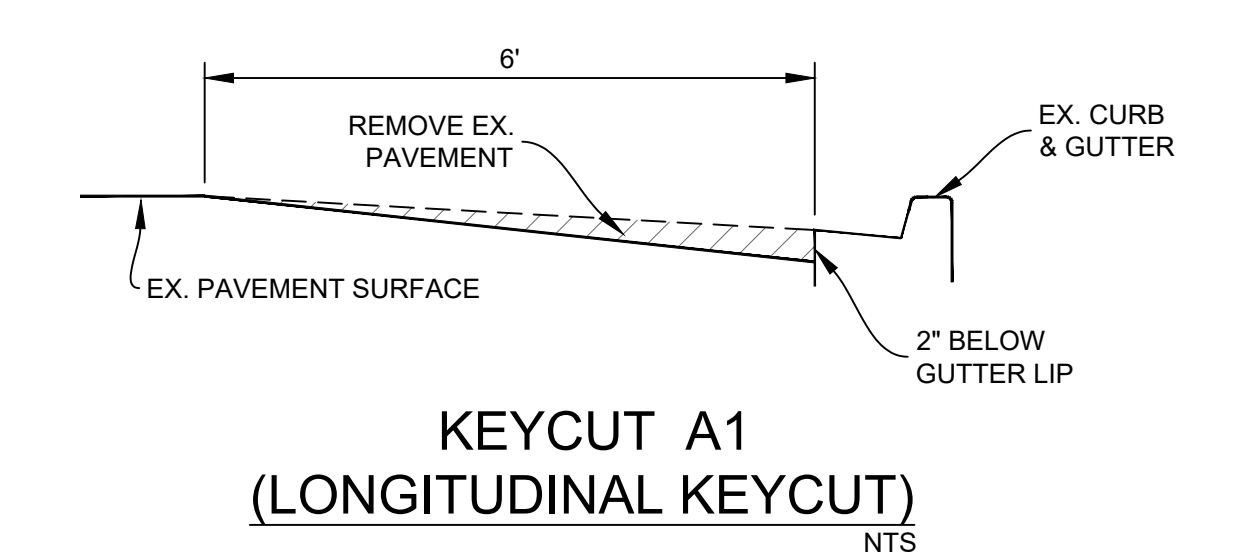
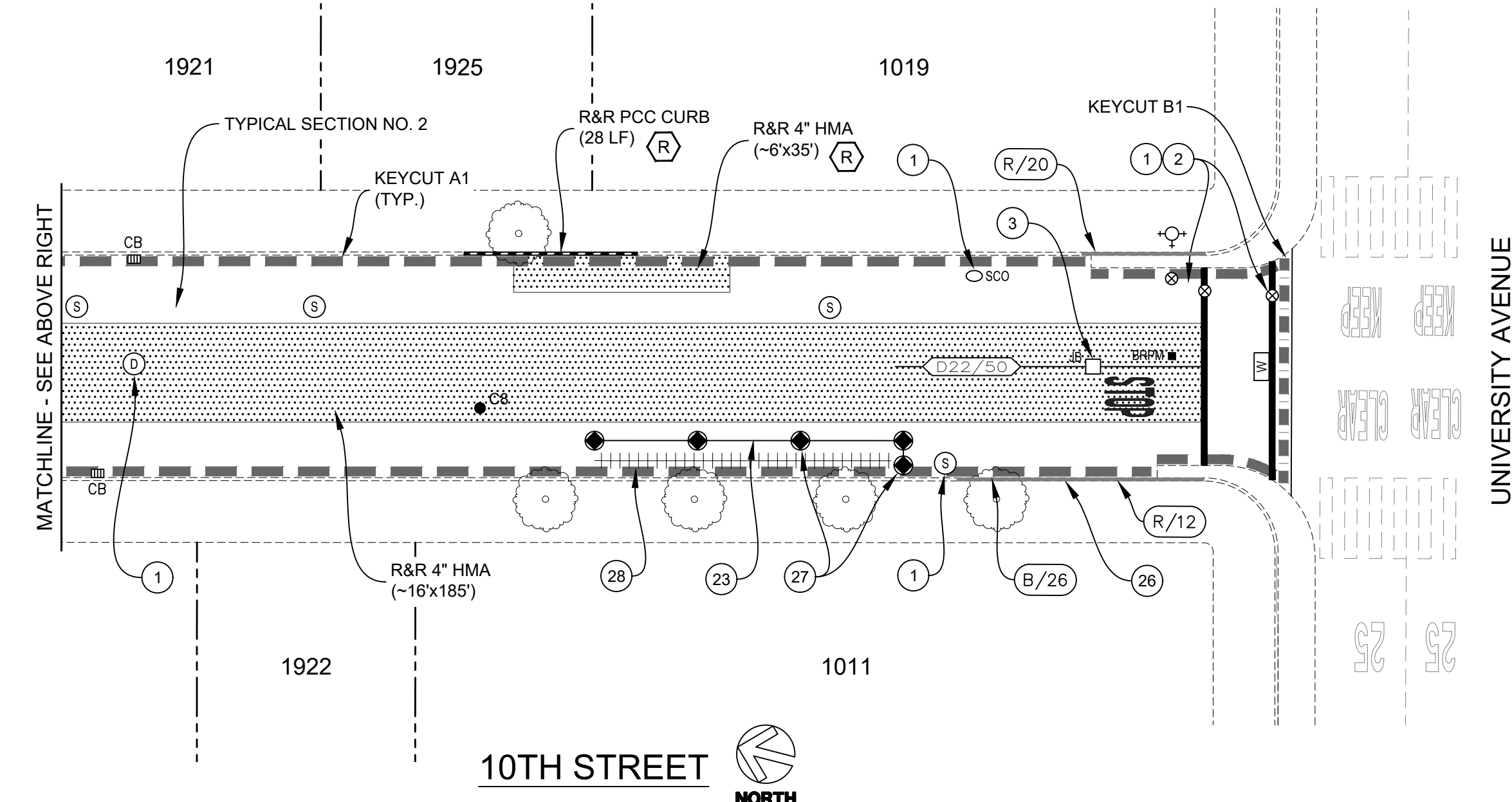
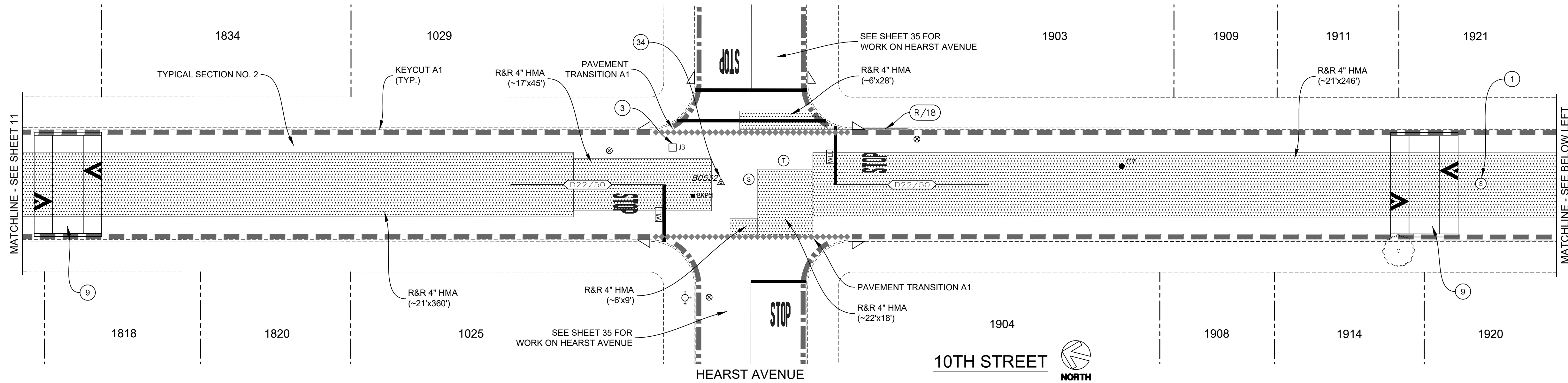
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN AB, JL, BM	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN AB, JL, BM	VERT. N/A
_____	_____	APPROVED: _____	CHECK Value	BOOK _____
_____	_____	CITY ENGINEER _____	AS BUILT	DATE 4-29-24

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
10TH STREET  
CAMELIA STREET TO UNIVERSITY AVENUE

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

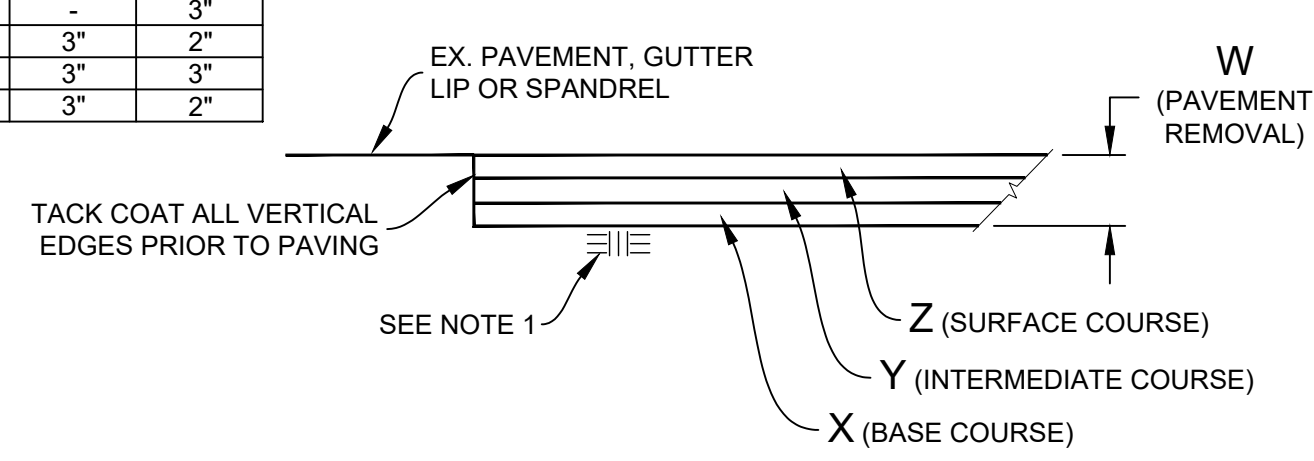
PLAN 8284  
FILE 501-641  
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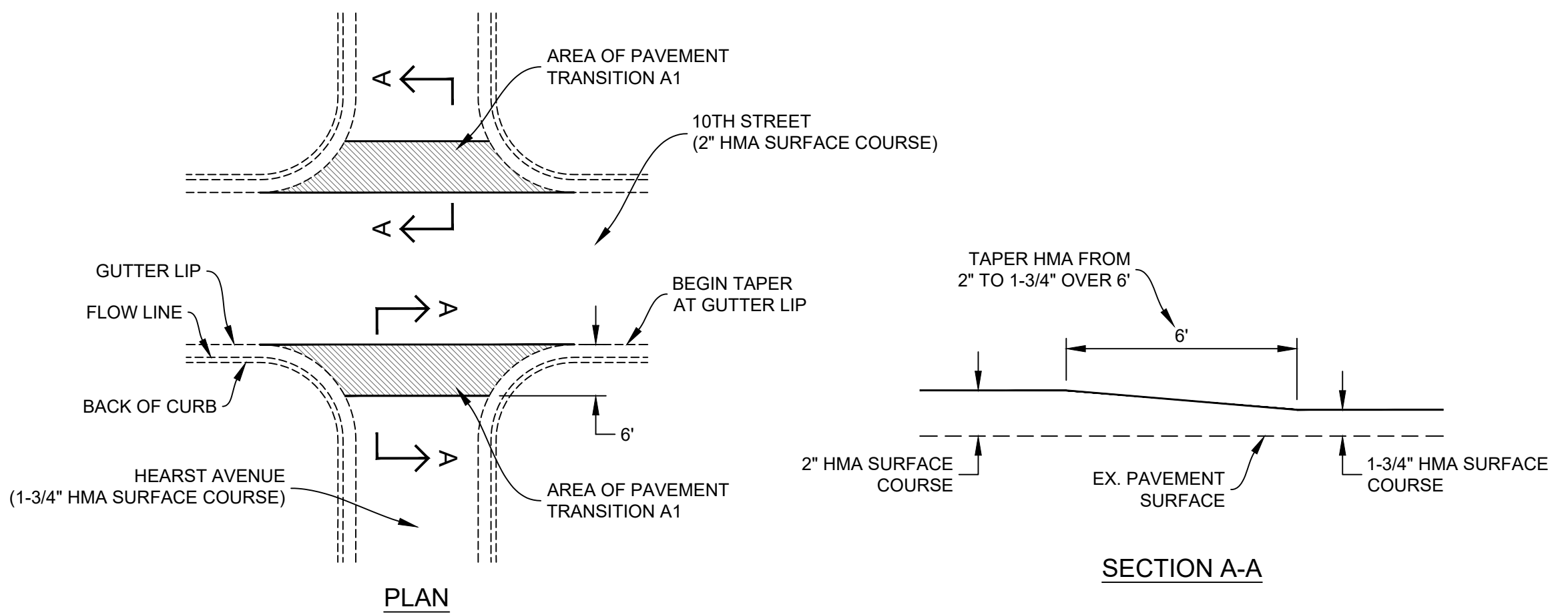
DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA (VARIOUS DEPTHS)  
NTS



PAVEMENT TRANSITION A1  
NTS

NOTE:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.

CONSTRUCTION NOTES:

- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 3 JUNCTION BOX: PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- 9 REMOVE EXISTING SPEED HUMP & CONSTRUCT SPEED TABLE PER CITY OF BERKELEY STANDARD DETAIL "MIDBLOCK SPEED TABLE".
- 23 REMOVE & REPLACE 6" WHITE LINE (THERMO).
- 26 REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.
- 27 REMOVE & REPLACE WHITE DELINEATORS (5 EA).
- 28 BIKE CHARGING STATION. SALVAGE PRIOR TO & REPLACE AFTER RESURFACING. CONTRACTOR SHALL COORDINATE WORK WITH CITY.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

BORING LOG

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C7	3-1/2"	4-1/2"	9	Y
C8	3-1/2"	4-1/2"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

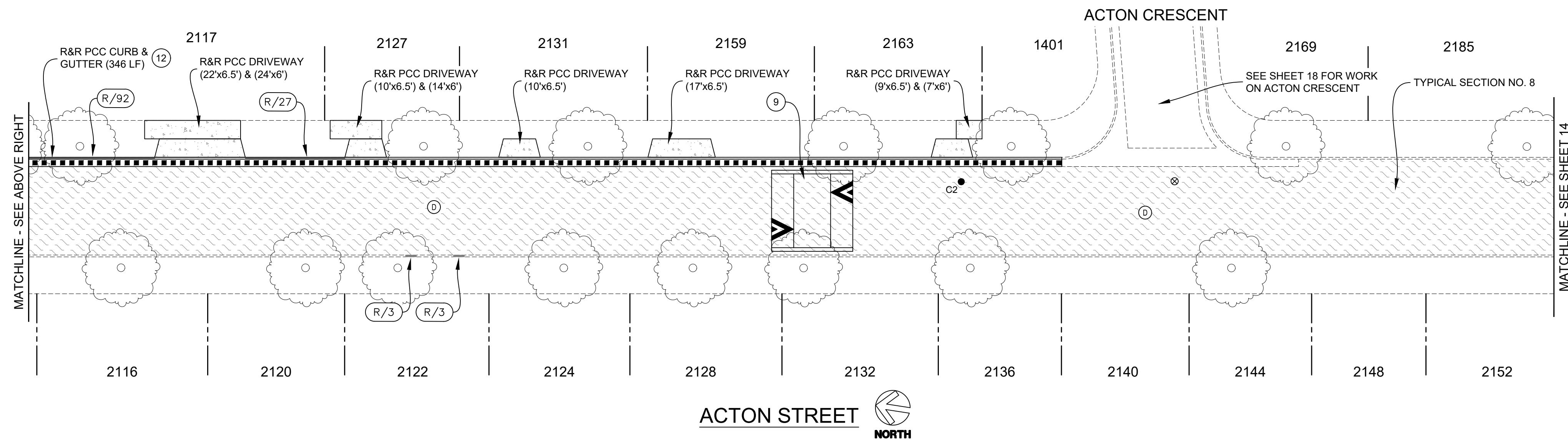
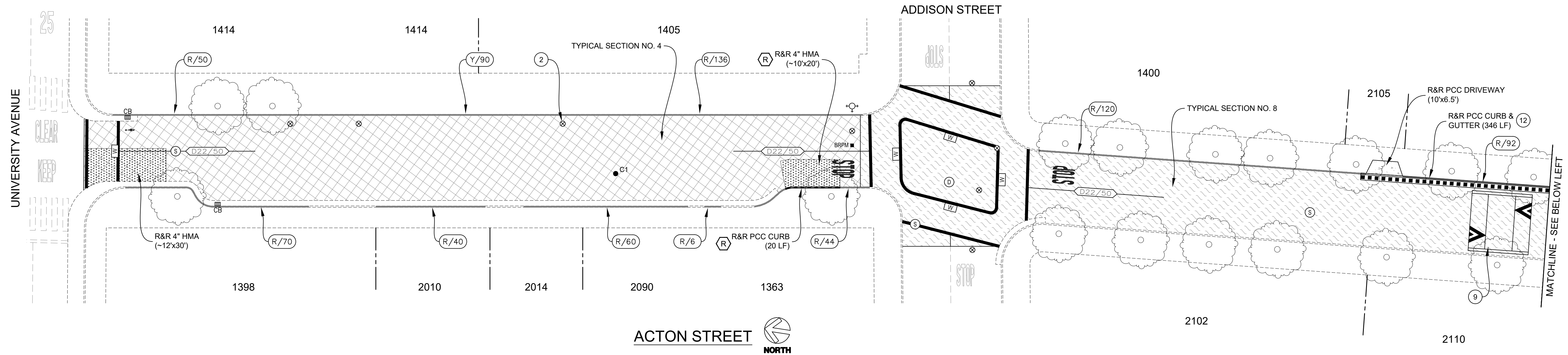


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN AB, JL, BM	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN AB, JL, BM	VERT. N/A
		APPROVED: _____	CHECK Value	BOOK _____
		CITY ENGINEER _____	AS BUILT _____	DATE 4-29-24

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
10TH STREET  
CAMELIA STREET TO UNIVERSITY AVENUE

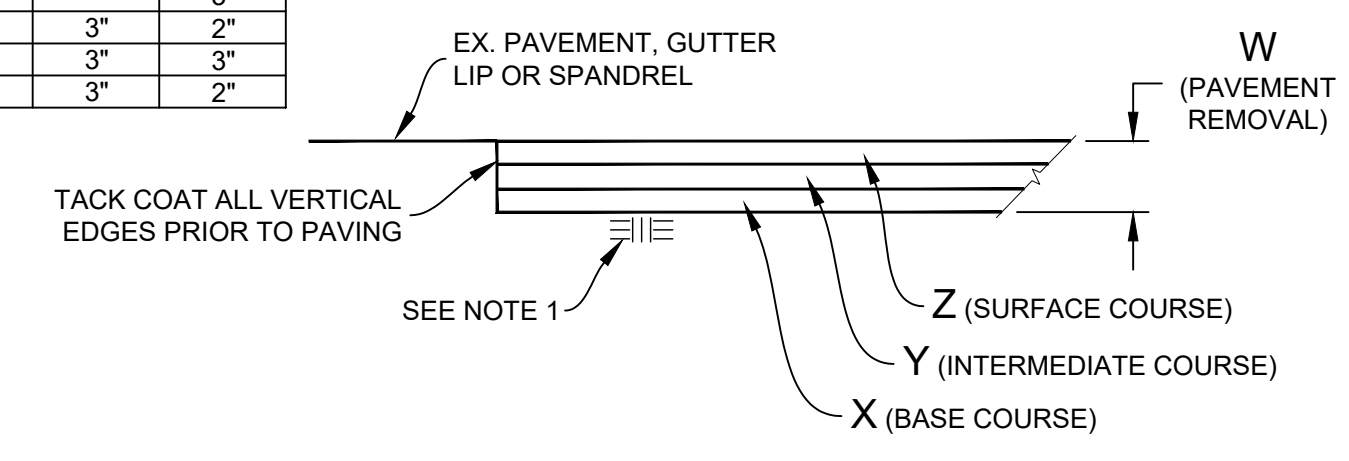
NO.	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

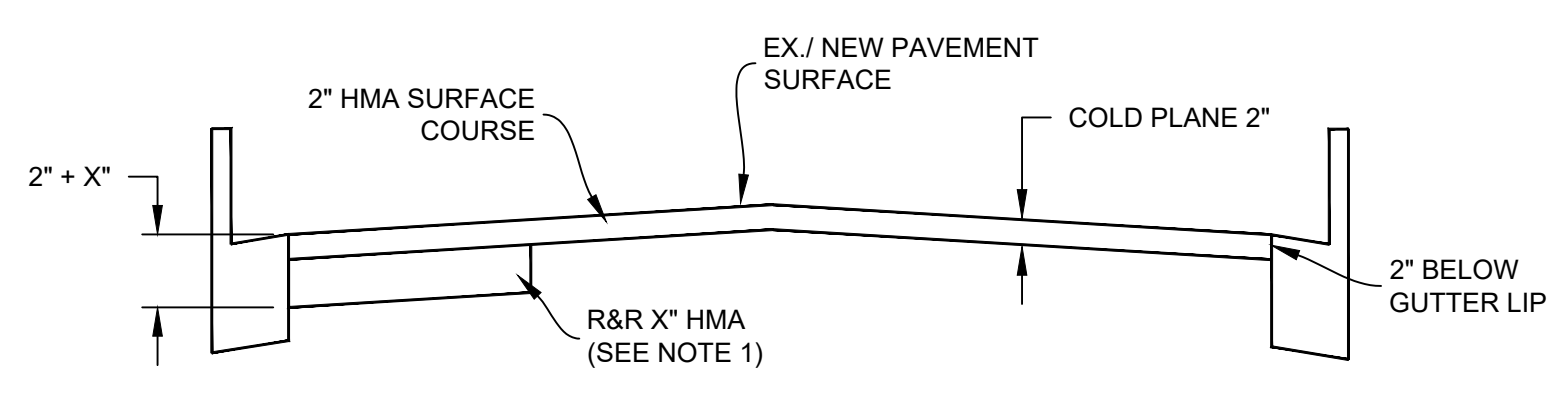
W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



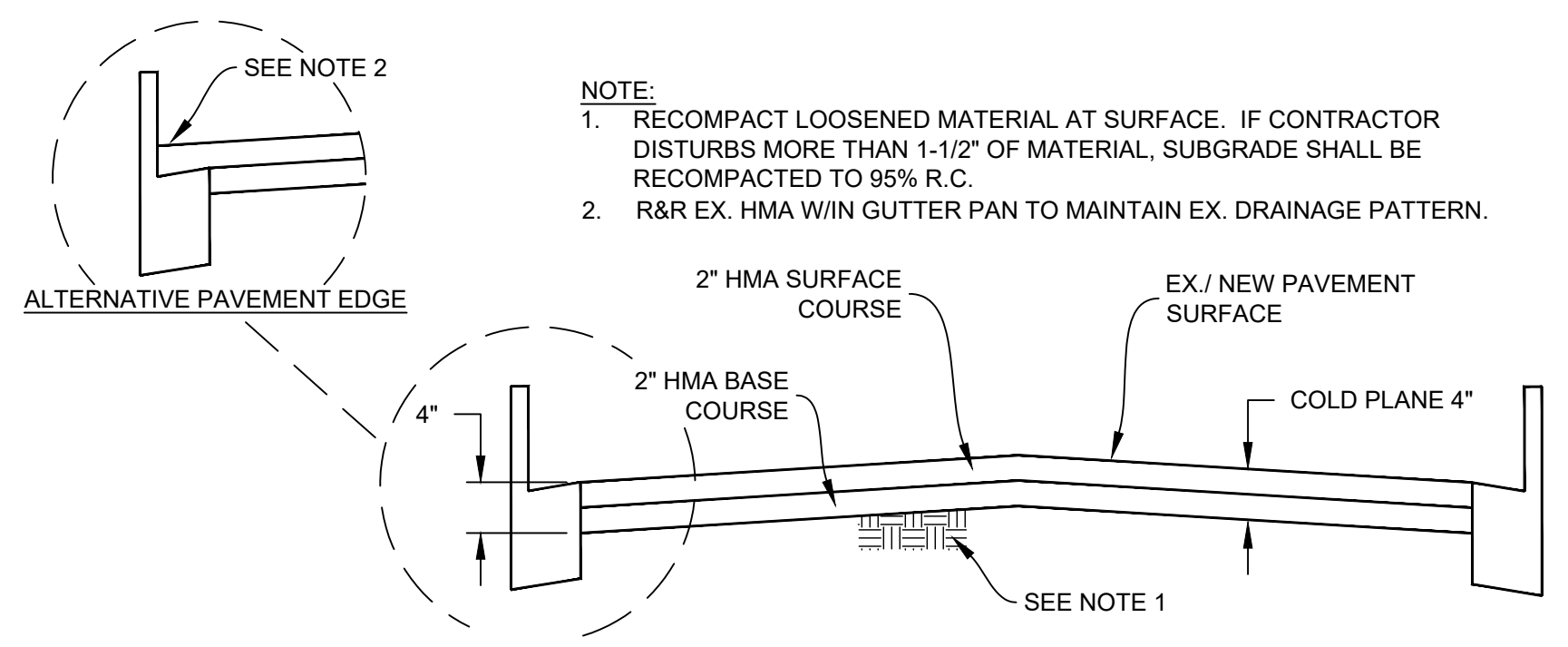
**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

NOTE:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER MILLING, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.



**TYPICAL SECTION NO. 4**  
NTS

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.  
2. R&R EX. HMA W/IN GUTTER PAN TO MAINTAIN EX. DRAINAGE PATTERN.



**TYPICAL SECTION NO. 8**  
NTS

**CONSTRUCTION NOTES:**

- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 9 REMOVE EXISTING SPEED HUMP & CONSTRUCT SPEED TABLE PER CITY OF BERKELEY STANDARD DETAIL "MIDBLOCK SPEED TABLE".
- 12 REMOVE & REPLACE SIDEWALK UNDERDRAIN PER CITY STANDARD DETAIL 8154, "SIDEWALK UNDERDRAIN".

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	AB	PCC	R-VALUE	FABRIC (Y/N)
C1	2"	-	6"	8	Y
C2	4"	12"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

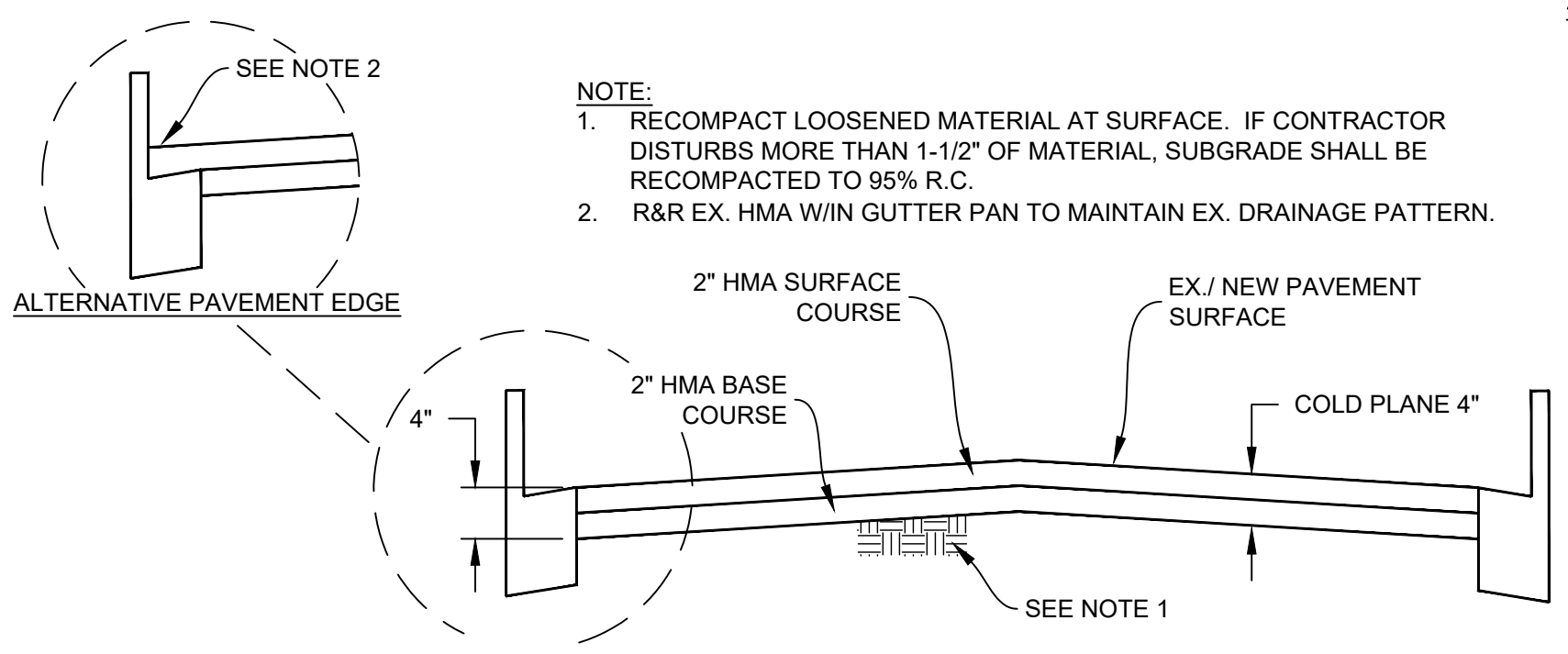
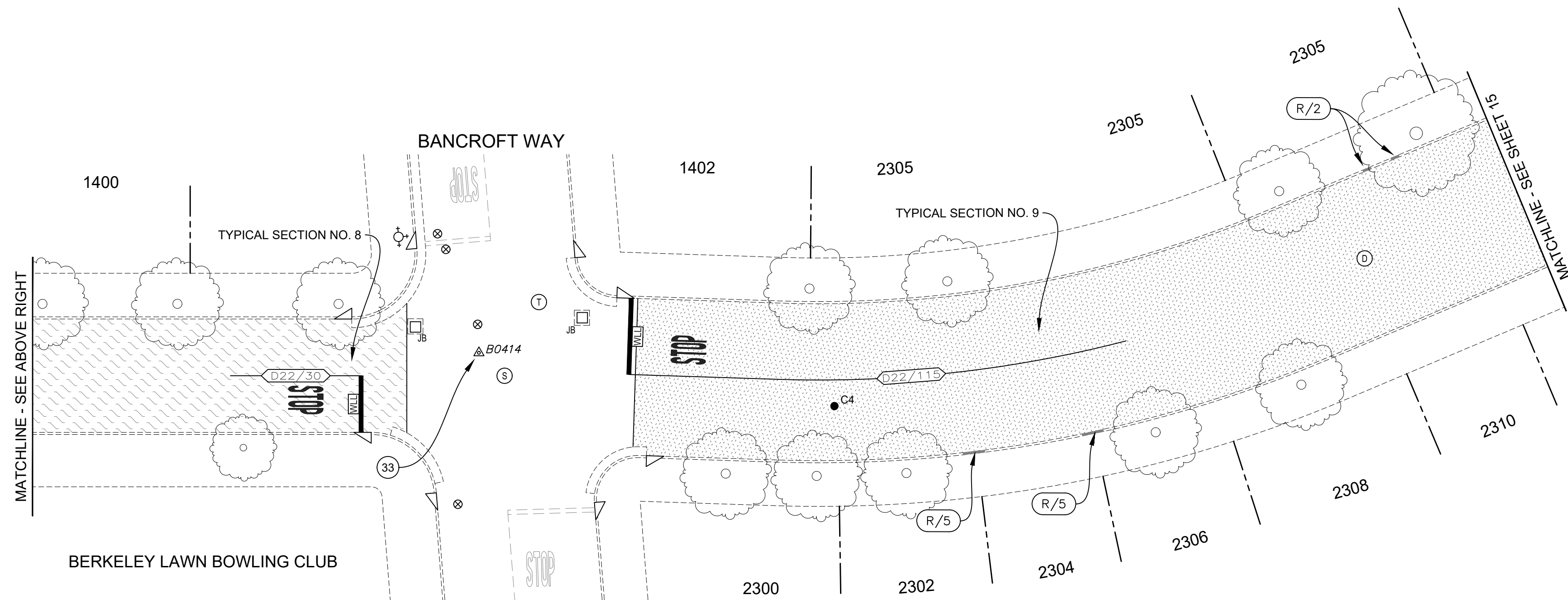
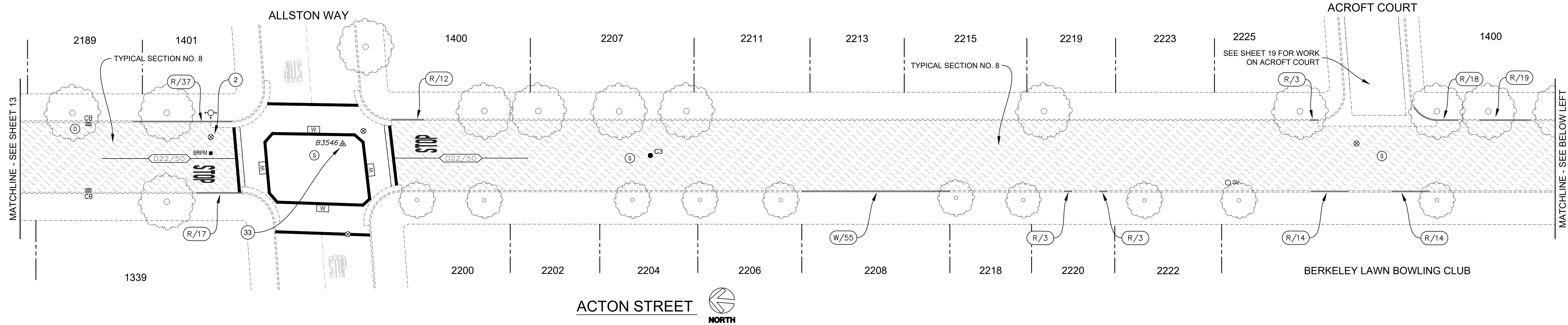


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT.: <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____ DATE _____	AS BUILT: _____	DATE: <u>4-29-24</u>

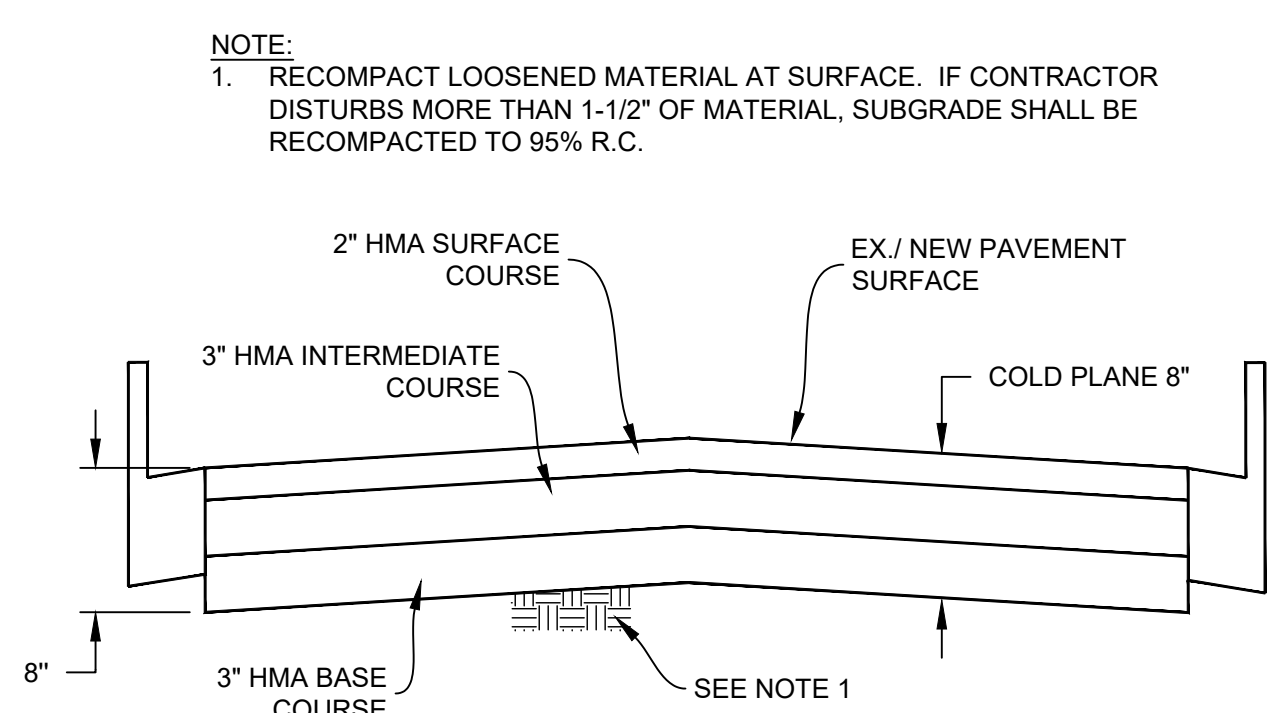
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
ACTON STREET  
UNIVERSITY AVENUE TO WARD STREET

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



TYPICAL SECTION NO. 8  
NTS



TYPICAL SECTION NO. 9  
NTS

**CONSTRUCTION NOTES:**

- (2) INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- (33) SURVEY MONUMENT; PROTECT IN PLACE.

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

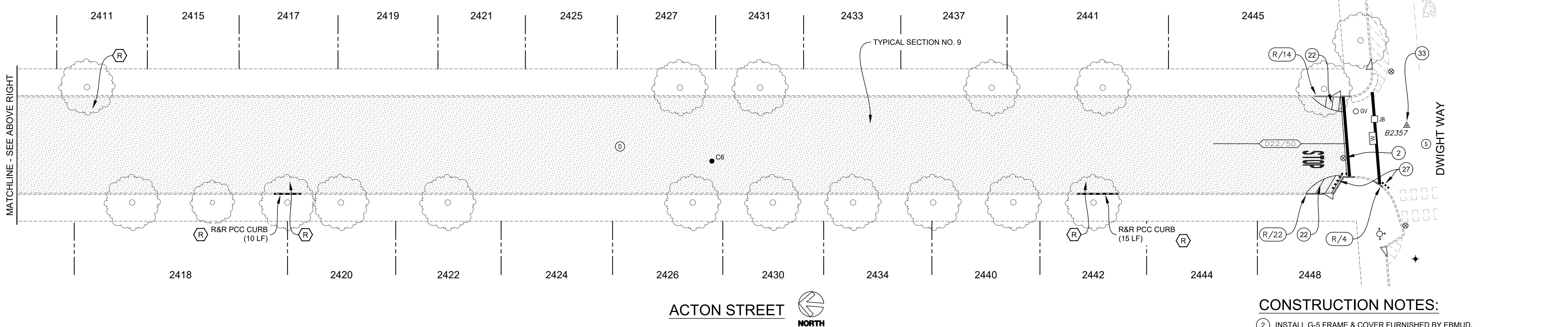
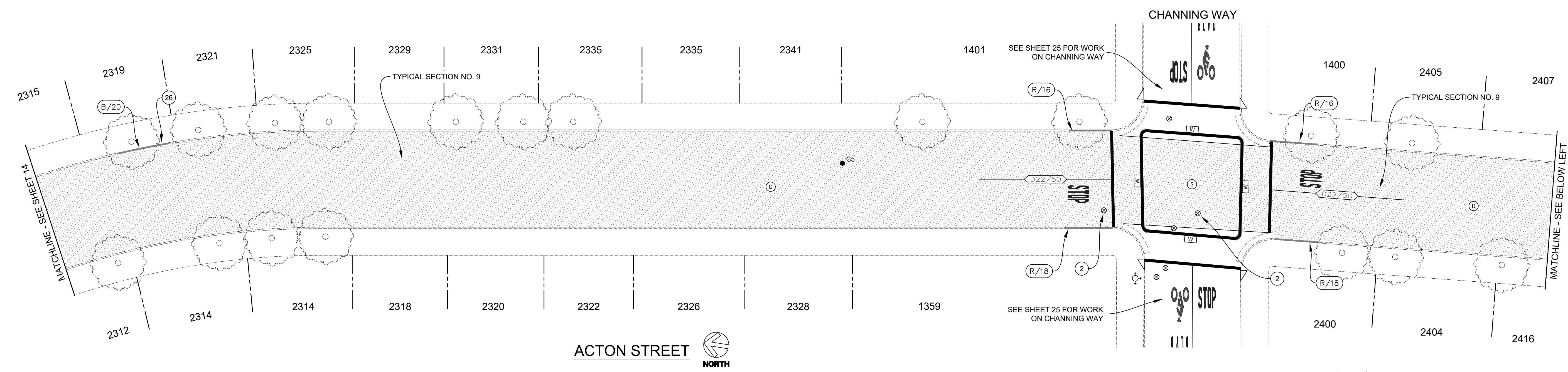
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	3-3/4"	14"	9	N
C4	2-3/4"	3"	10	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

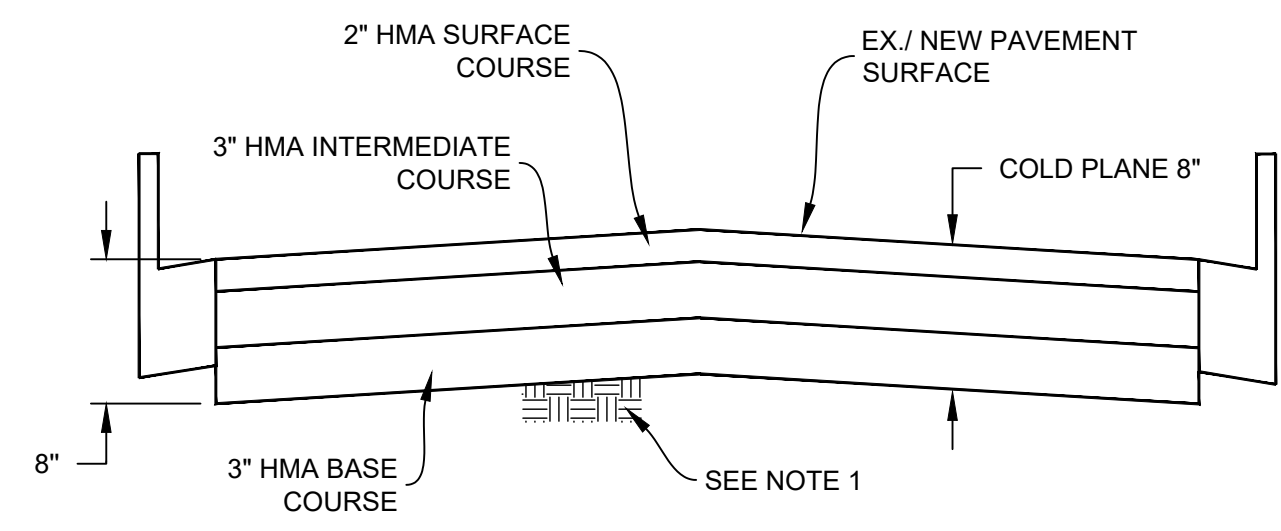


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 ACTON STREET UNIVERSITY AVENUE TO WARD STREET	PLAN: <u>8284</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT.: <u>N/A</u>			FILE: <u>501-641</u>
CITY ENGINEER: _____		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____			REVISION: _____
			AS BUILT: _____	DATE: <u>4-29-24</u>			SHEET: <u>14</u> OF <u>63</u>

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



NOTE:  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



TYPICAL SECTION NO. 9  
 NTS

**CONSTRUCTION NOTES:**

- (2) INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- (22) REMOVE & REPLACE 4" WHITE LINE (THERMO). SPACING SHALL BE 2' ON CENTER.
- (26) REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.
- (27) REMOVE & REPLACE WHITE RPM. (9 EA @ ACTON STREET & DWIGHT WAY INTERSECTION. RPMs SHALL BE SET 6" FROM CURB FACE, SPACED @ 12" ON CENTER.)
- (33) SURVEY MONUMENT; PROTECT IN PLACE.

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C5	2-1/2"	2-1/2"	-	N
C6	2-1/2"	3-1/2"	10	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



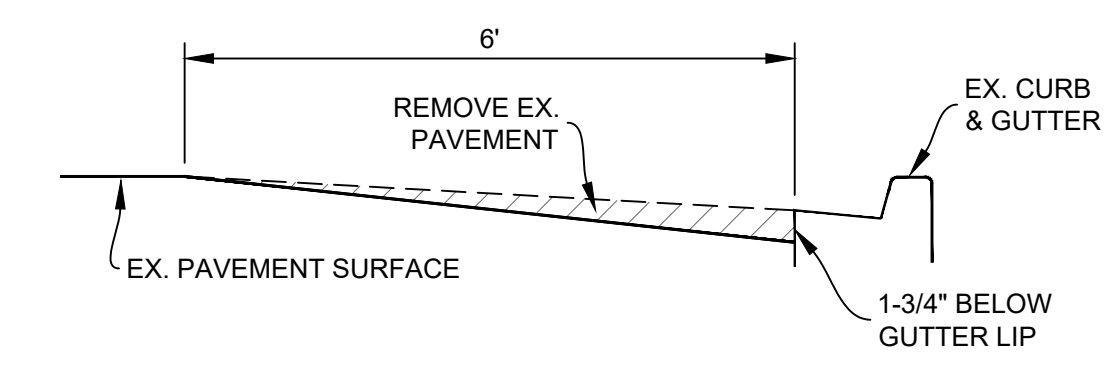
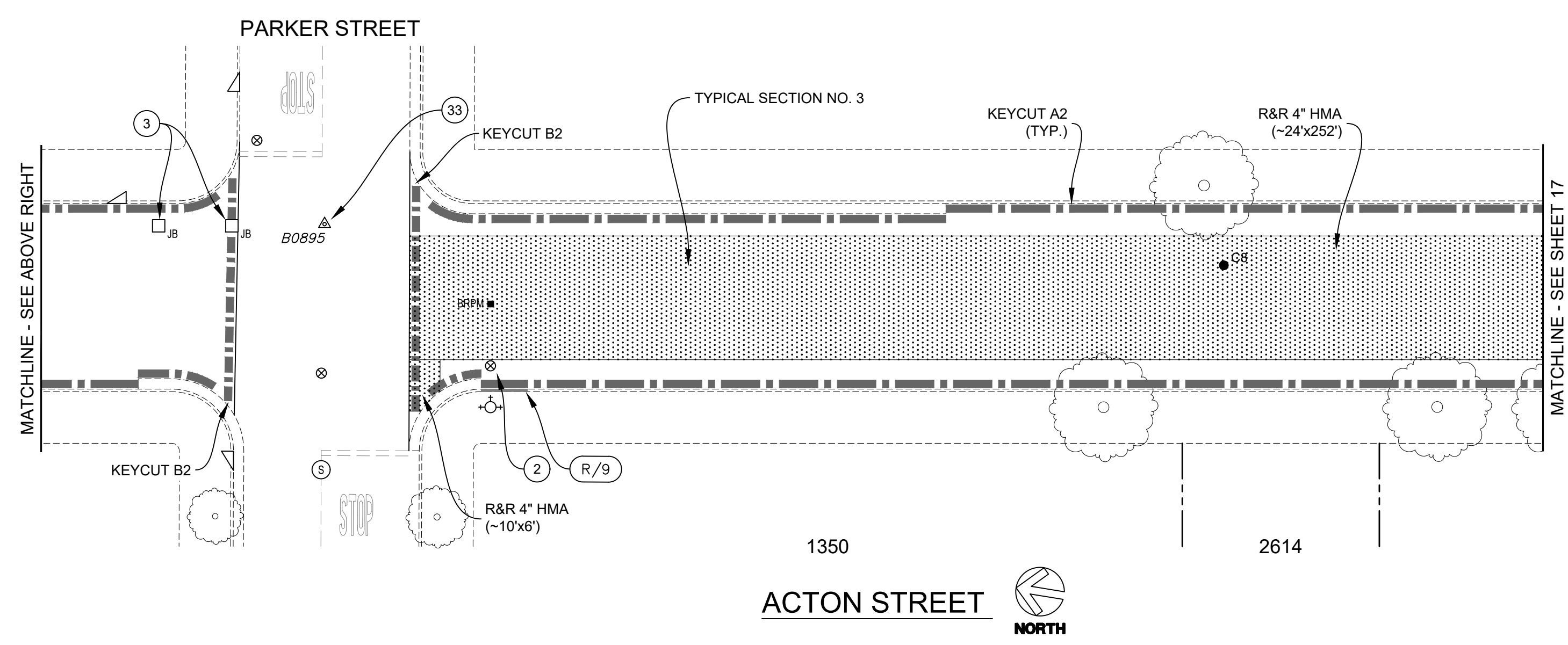
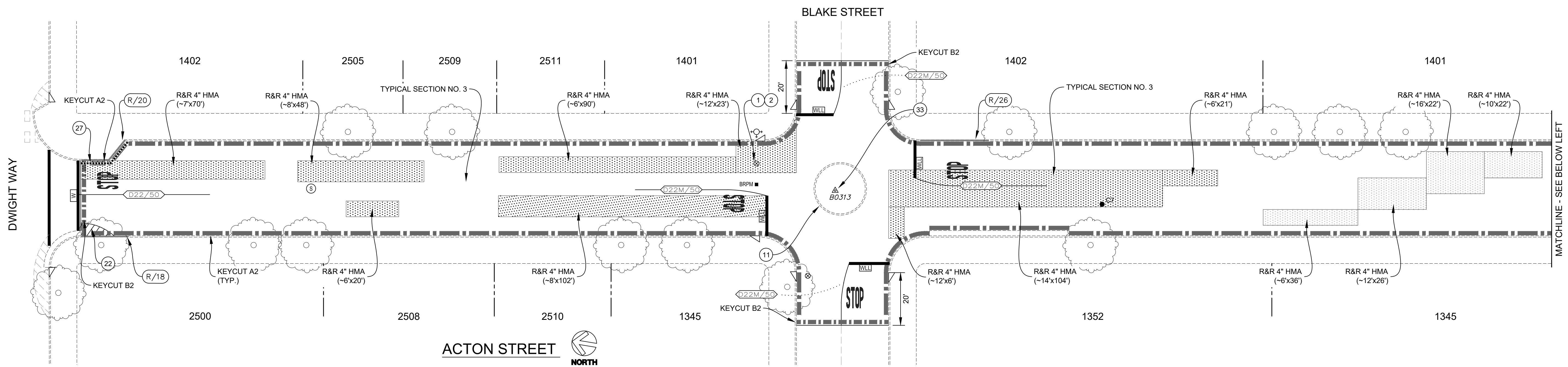
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: BM	VERT. N/A
		APPROVED: _____ DATE _____	CHECK: -	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE 4-29-24

CITY OF BERKELEY  
 DEPARTMENT OF PUBLIC WORKS

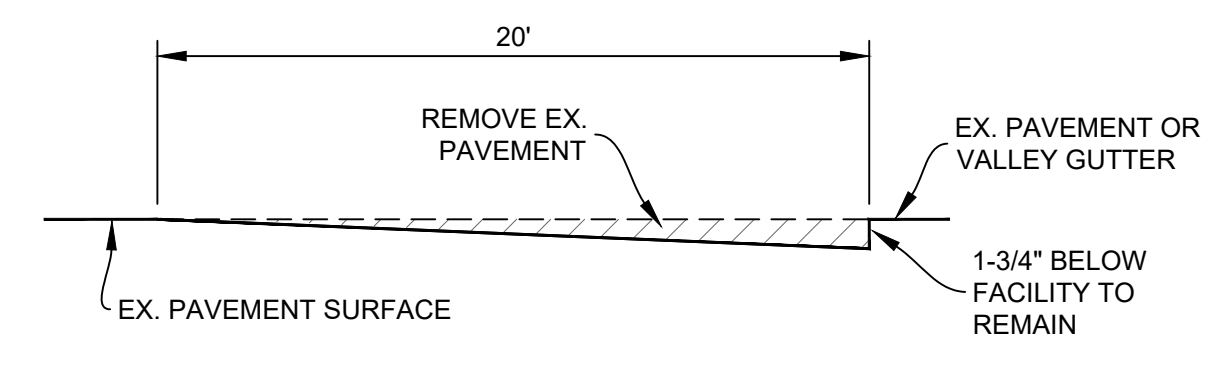
STREET REHABILITATION FY 2024  
 ACTON STREET  
 UNIVERSITY AVENUE TO WARD STREET

PLAN	8284
FILE	501-641
SHEET	15 OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

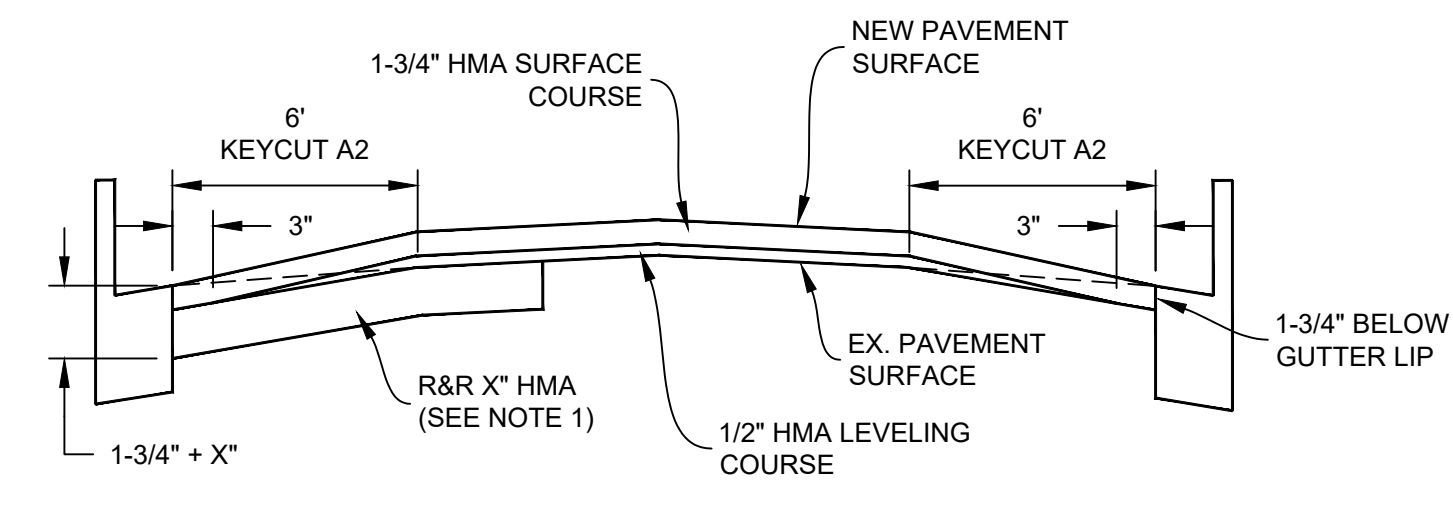


**KEYCUT A2  
LONGITUDINAL KEYCUT**  
NTS



**KEYCUT B2  
TRANSVERSE KEYCUT**  
NTS

- NOTE:**
- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.
  - TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0" THICKNESS, 3" FROM GUTTER LIP & ALL TRANSVERSE LIMITS.

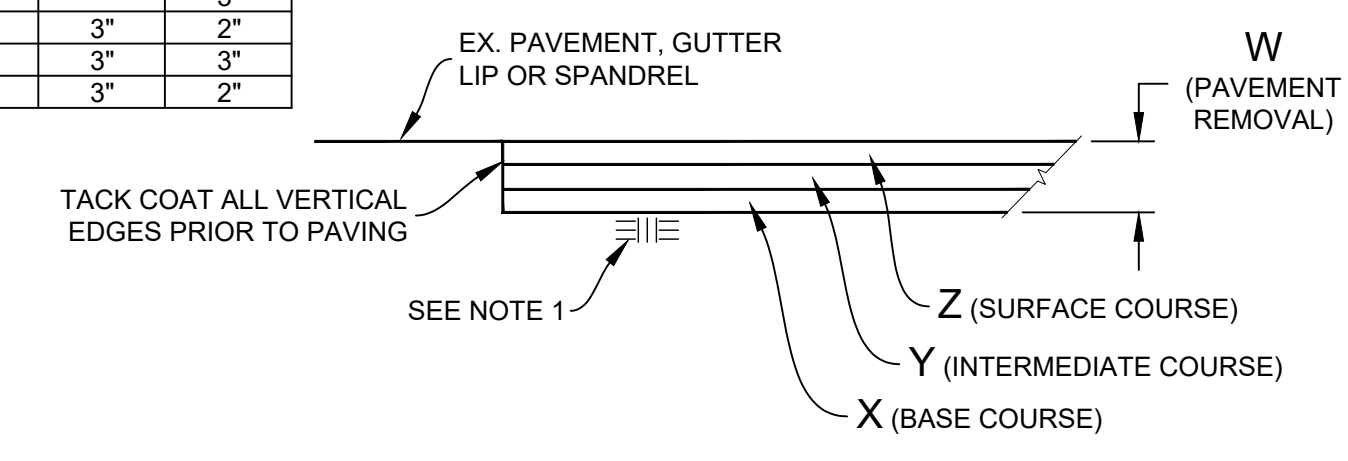


**TYPICAL SECTION NO. 3**  
NTS

**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

- NOTE:**
- RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- JUNCTION BOX; PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- PAVE AGAINST MEDIAN CURB FACE.
- REMOVE & REPLACE 4" WHITE LINE (THERMO). SPACING SHALL BE 2' ON CENTER.
- REMOVE & REPLACE WHITE RPM. (20 EA @ ACTON STREET & DWIGHT WAY INTERSECTION. RPMs SHALL BE SET 6" FROM CURB FACE, SPACED @ 12' ON CENTER.)
- SURVEY MONUMENT; PROTECT IN PLACE.

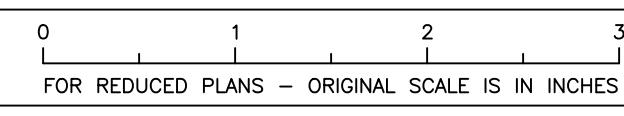
**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C7	4-1/2"	5"	-	N
C8	3"	5"	8	Y

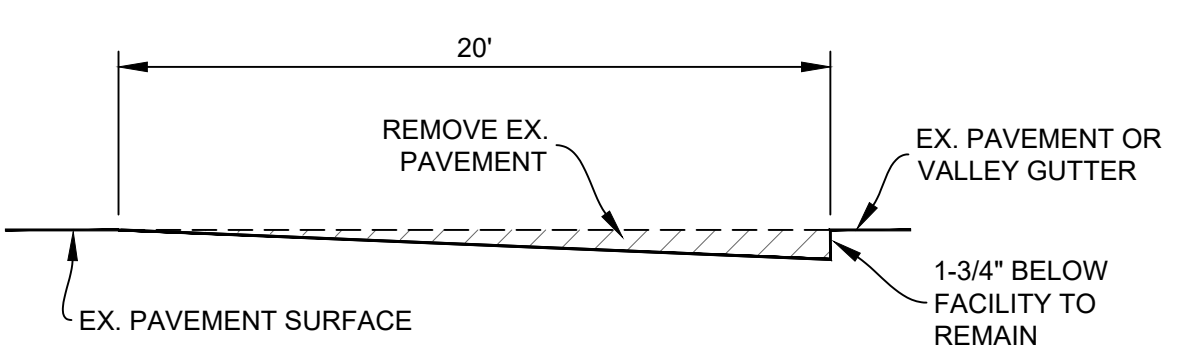
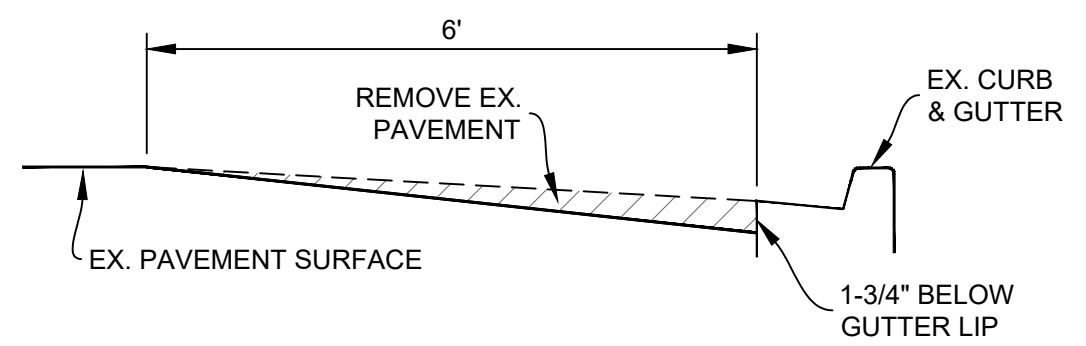
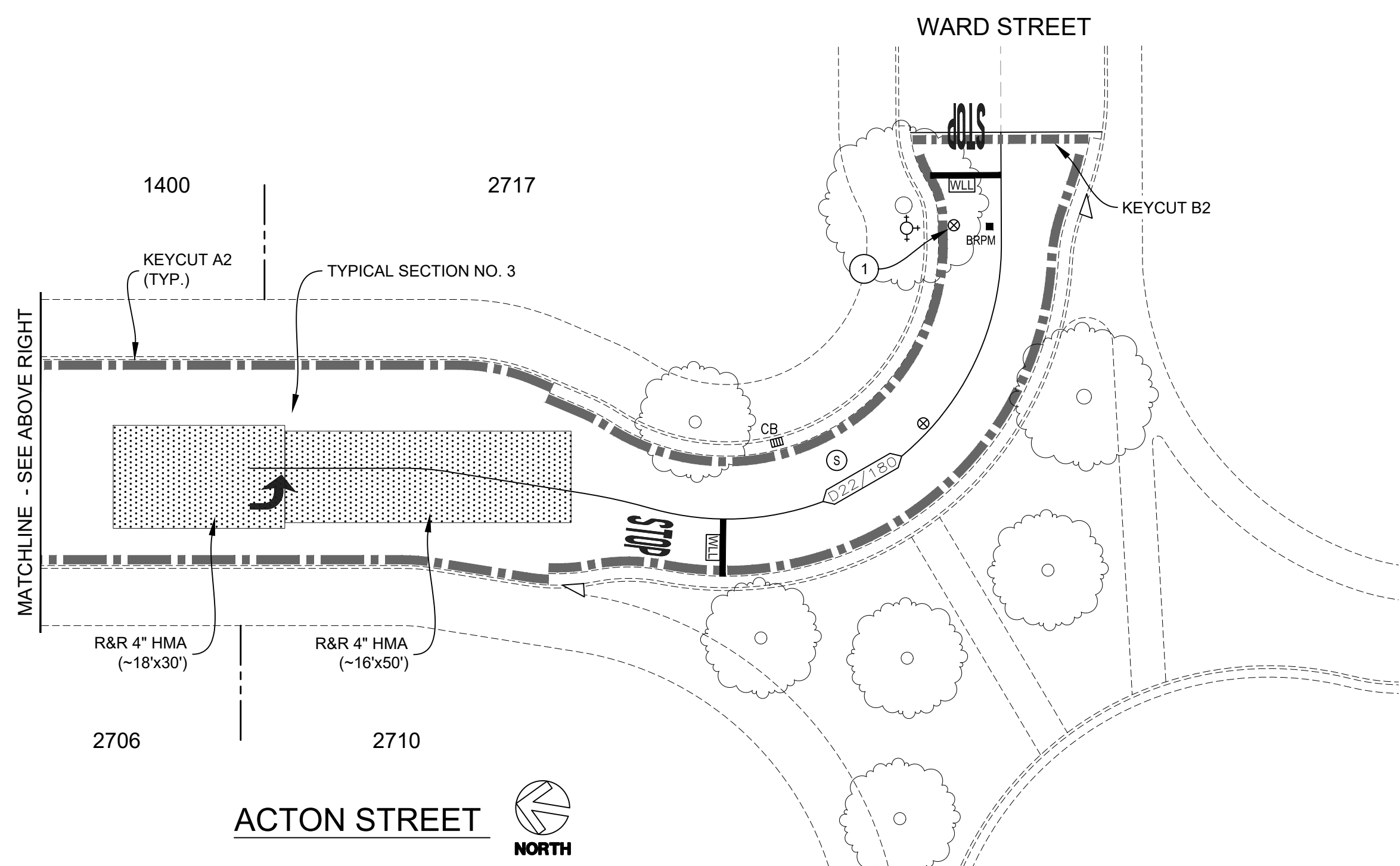
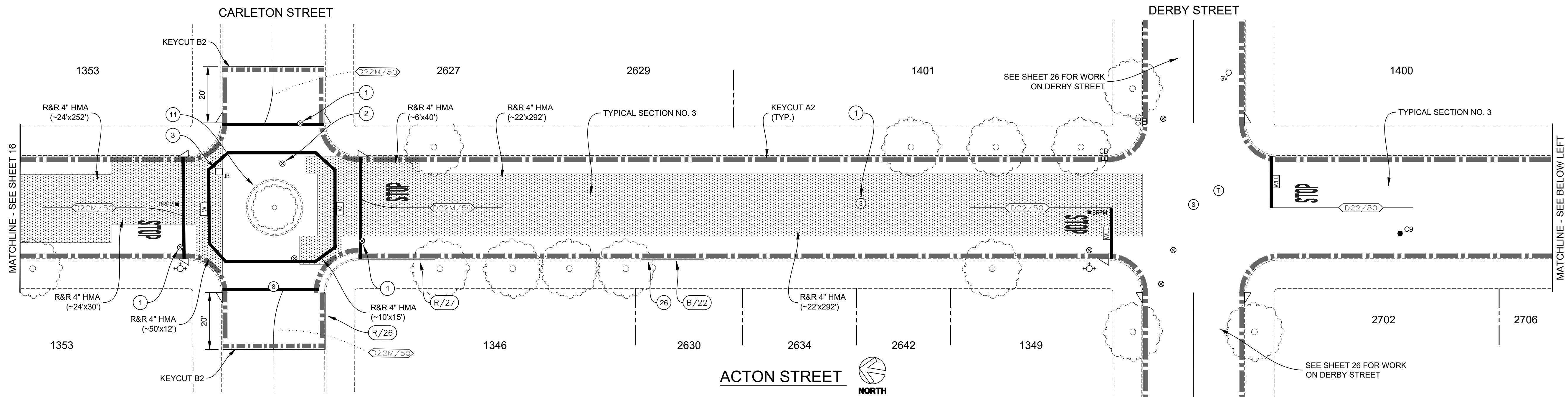
\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



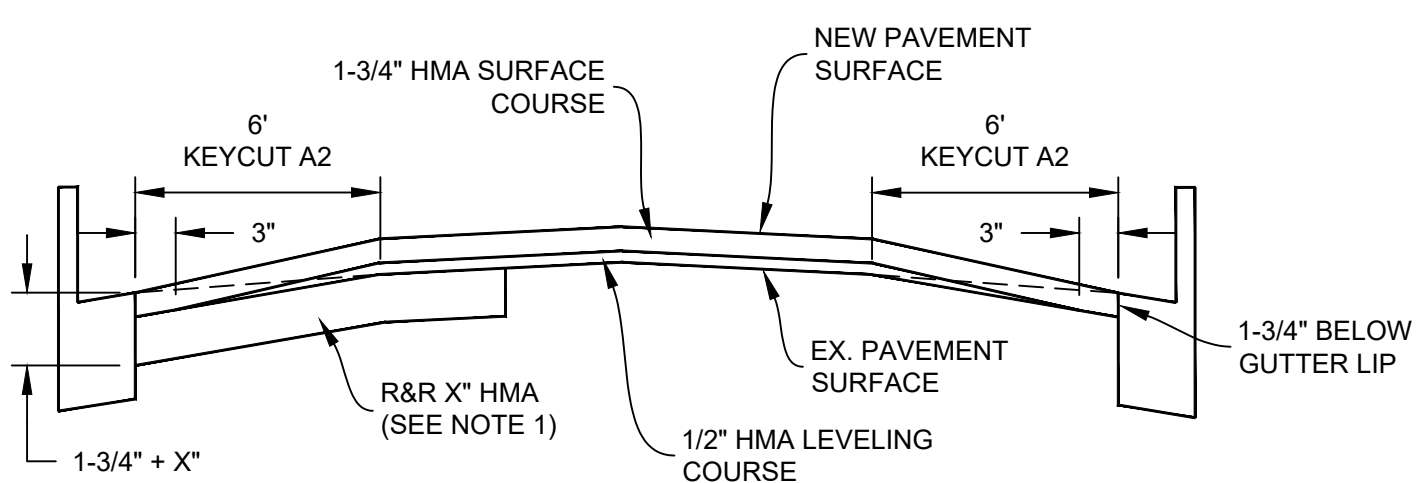
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 ACTON STREET UNIVERSITY AVENUE TO WARD STREET	PLAN <u>8284</u>	
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>			FILE <u>501-641</u>	
CITY ENGINEER _____			CHECK: _____	BOOK _____			REVISION _____	MARK _____
			AS BUILT _____	DATE <u>4-29-24</u>			DATE _____	DESCRIPTION _____







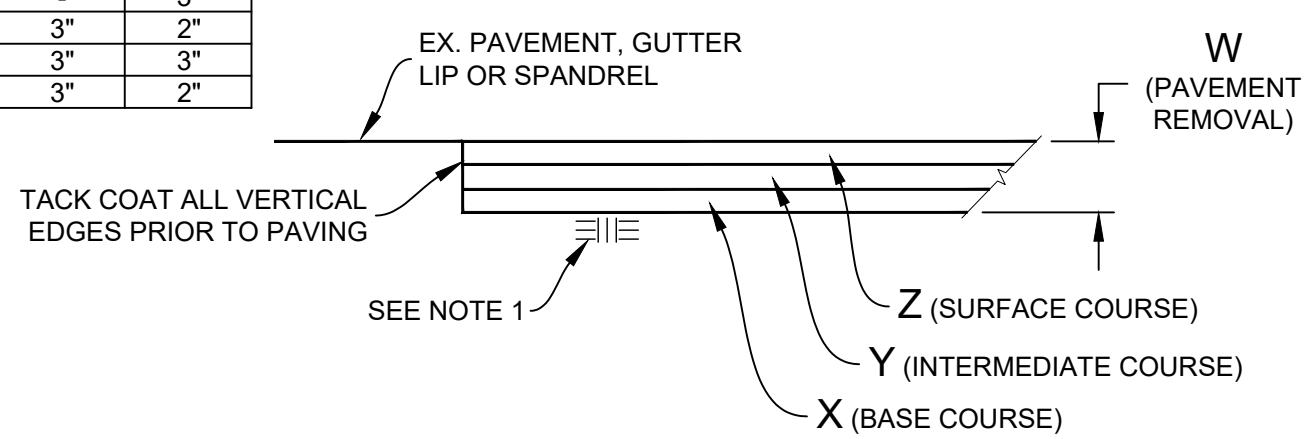
**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0\"/>



**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



**CONSTRUCTION NOTES:**

- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ③ JUNCTION BOX; PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- ⑪ PAVE AGAINST MEDIAN CURB FACE.
- ⑫ REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C9	3"	4"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: BM	VERT. N/A
		APPROVED: _____	CHECK: _____	BOOK: _____
		CITY ENGINEER _____	AS BUILT: _____	DATE 4-29-24

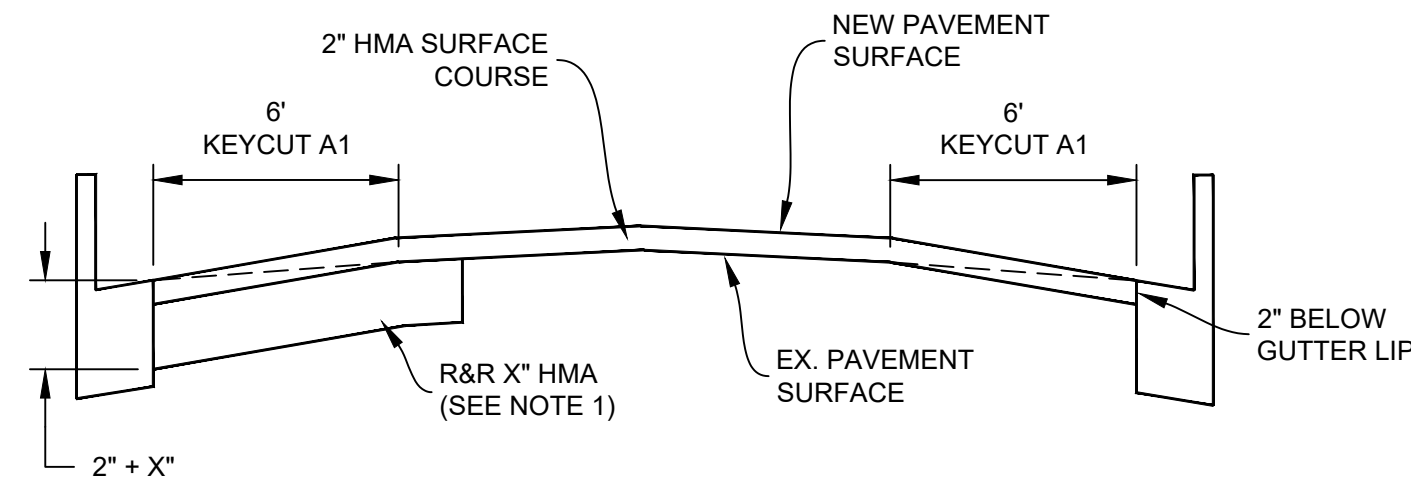
**CITY OF BERKELEY**  
 DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
 ACTON STREET  
 UNIVERSITY AVENUE TO WARD STREET

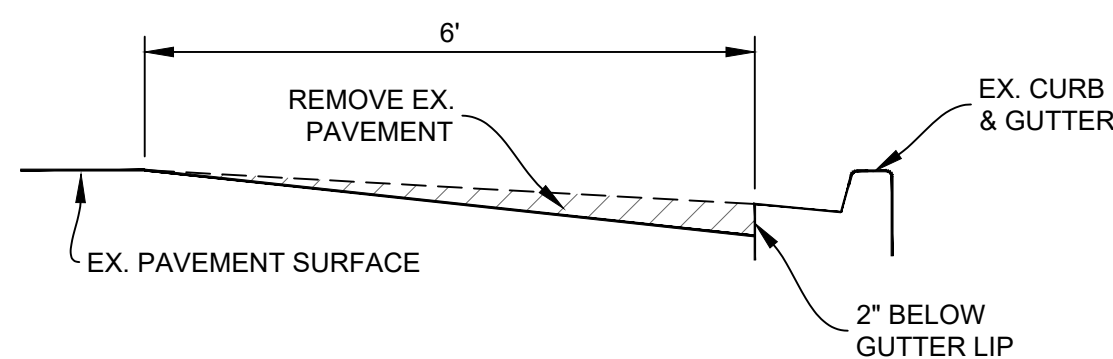
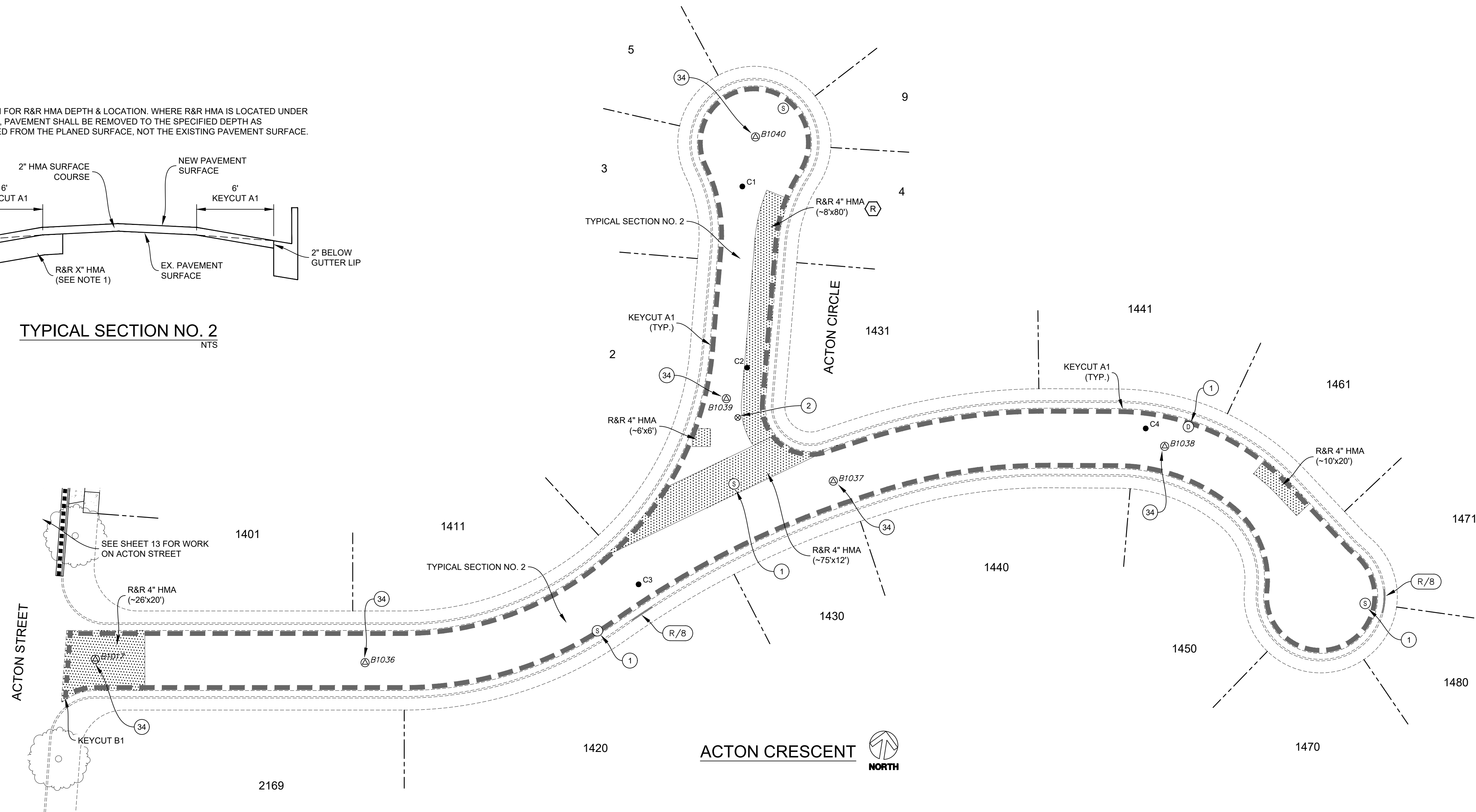
PLAN 8284  
 FILE 501-641  
 SHEET 17 OF 63

REVISION	MARK	DATE	APPROVAL

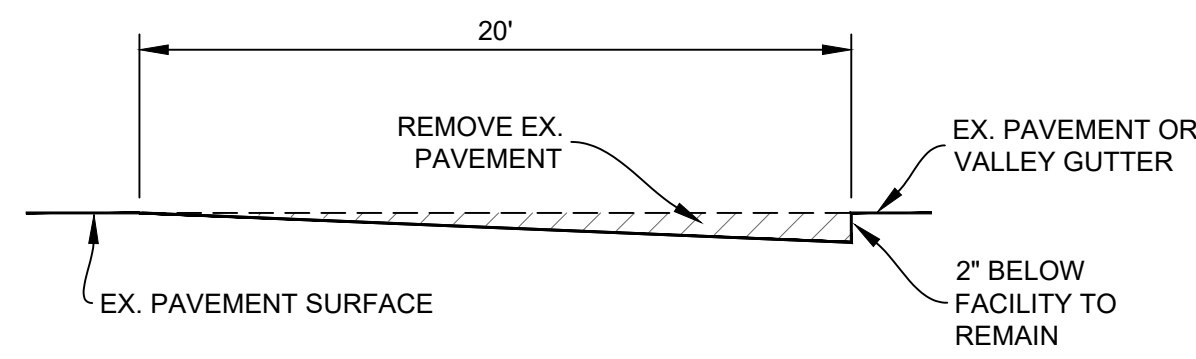
NOTE:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.



TYPICAL SECTION NO. 2  
NTS



KEYCUT A1  
(LONGITUDINAL KEYCUT)  
NTS

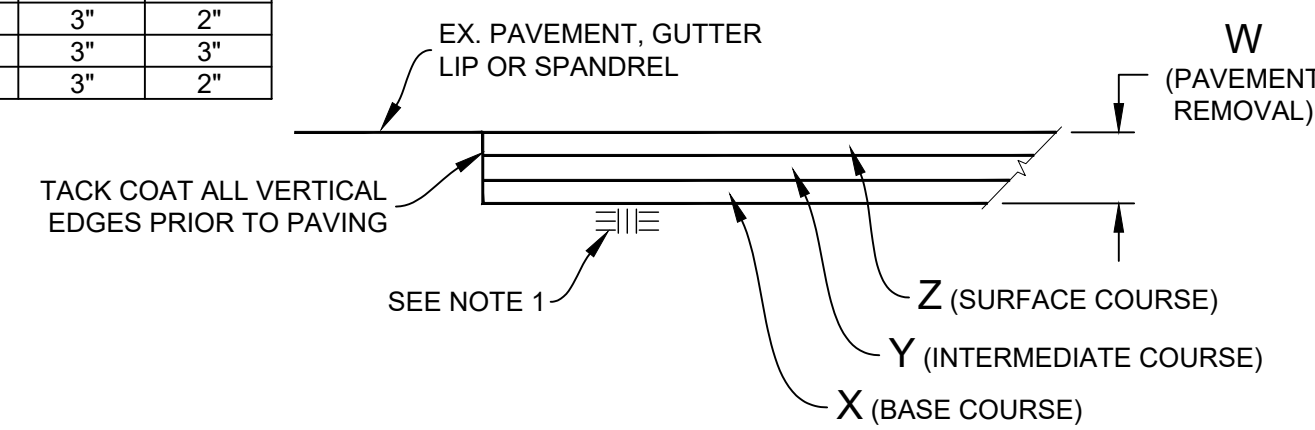


KEYCUT B1  
(TRANSVERSE KEYCUT)  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENEED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

CONSTRUCTION NOTES:

- 1 LOWER UTILITY COVER PRIOR TO COLD PLANE.
- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

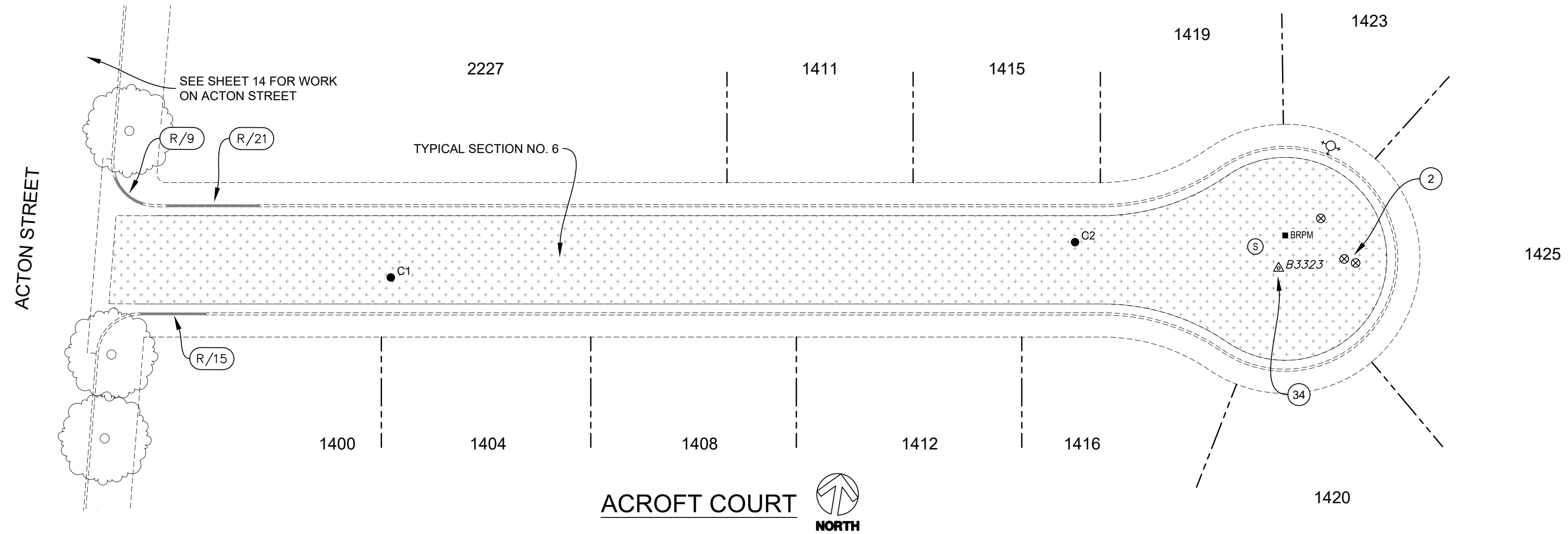
BORING LOG

NO.	AC	AB	OIL TREATED COBBLE	R-VALUE	FABRIC (Y/N)
C1	1-1/2"	5"	1-1/2"	-	N
C2	1-1/2"	3-1/2"	1-1/2"	9	N
C3	1-1/2"	2-1/2"	4"	9	N
C4	1"	5-1/2"	1-1/2"	-	N

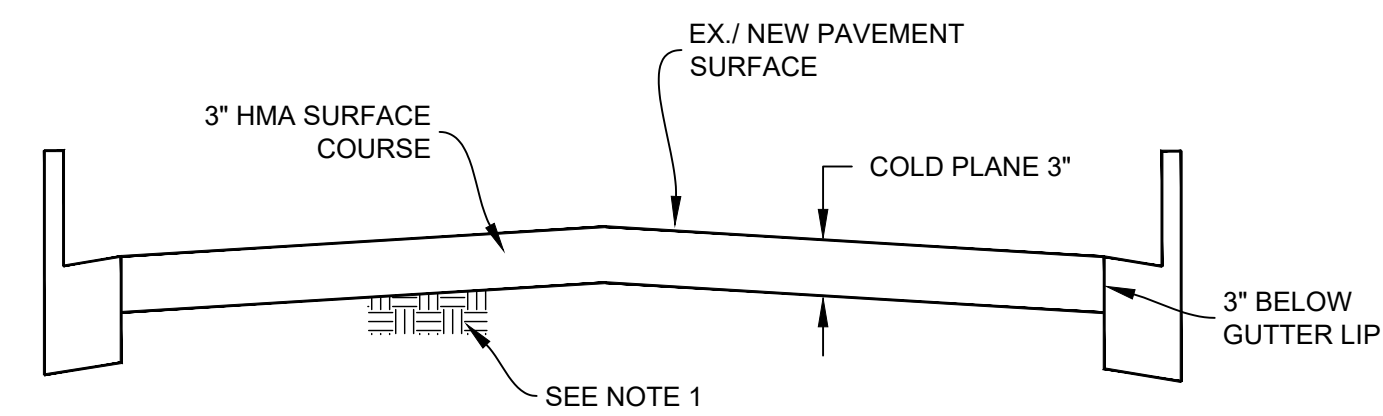
\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 ACTON CIRCLE & ACTON CRESCENT ACTON STREET TO EAST END	PLAN <u>8284</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>			FILE <u>501-641</u>
APPROVED: _____	CITY ENGINEER: _____	AS BUILT: _____	CHECK: _____	BOOK: _____			MARK: _____
DATE: _____	DATE: _____	DATE: _____	EXP.: _____	DATE: <u>4-29-24</u>			REVISION: _____



**NOTE:**  
 1. RECOMPACT LOOSENEED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**TYPICAL SECTION NO. 6**  
 NTS

**CONSTRUCTION NOTES:**

- (2) INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- (34) SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	3-1/2"	4"	9	Y
C2	3"	3-1/2"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



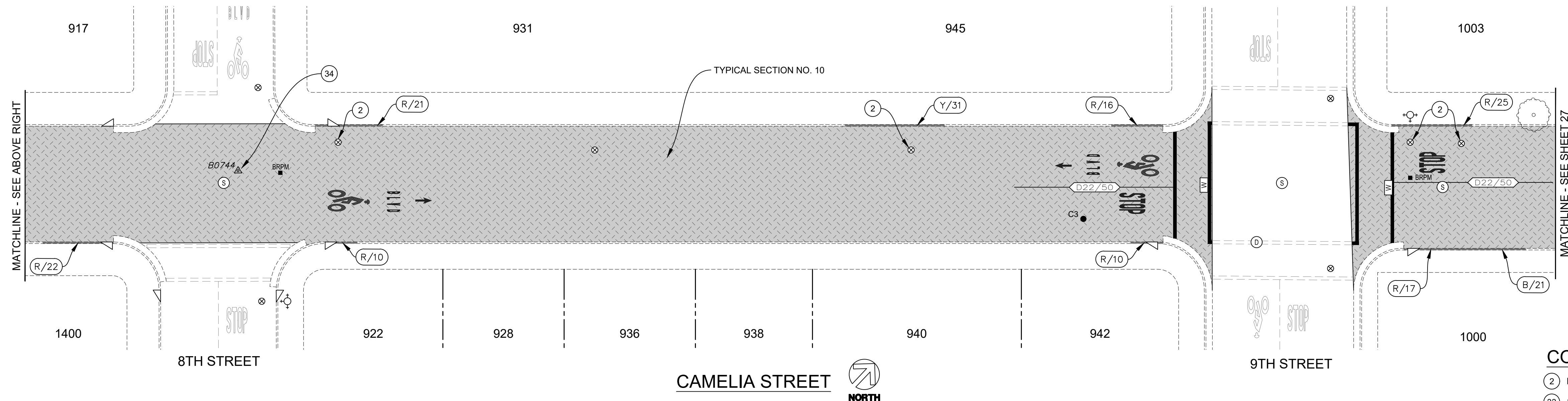
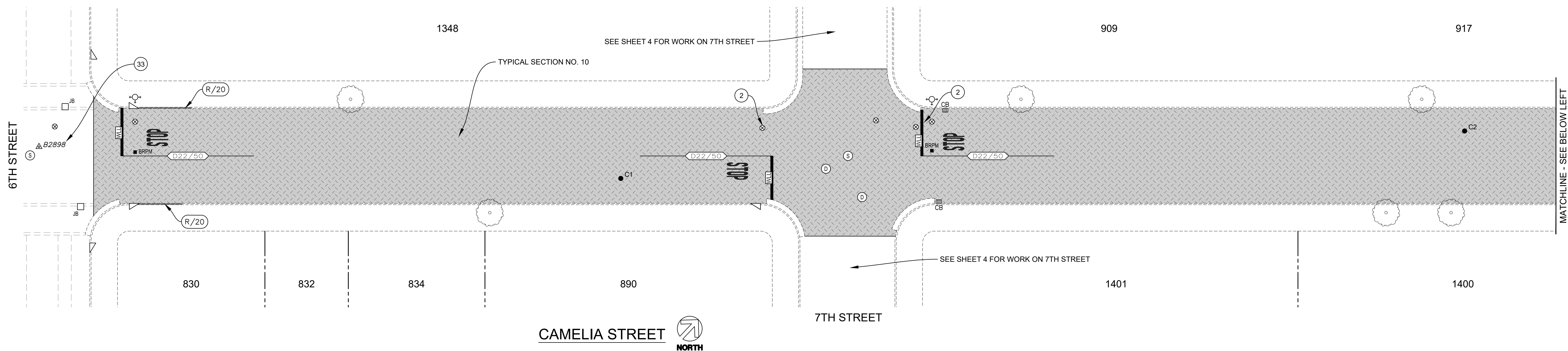
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_____	SURVEY CHIEF OF PARTY: _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>
_____	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____	CHECK: <u>-</u>	BOOK _____
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	_____	CITY ENGINEER: _____	AS BUILT: _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
 DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
 ACROFT COURT  
 ACTON STREET TO EAST END

PLAN <u>8284</u>
FILE <u>501-641</u>
SHEET <u>19</u> OF <u>63</u>

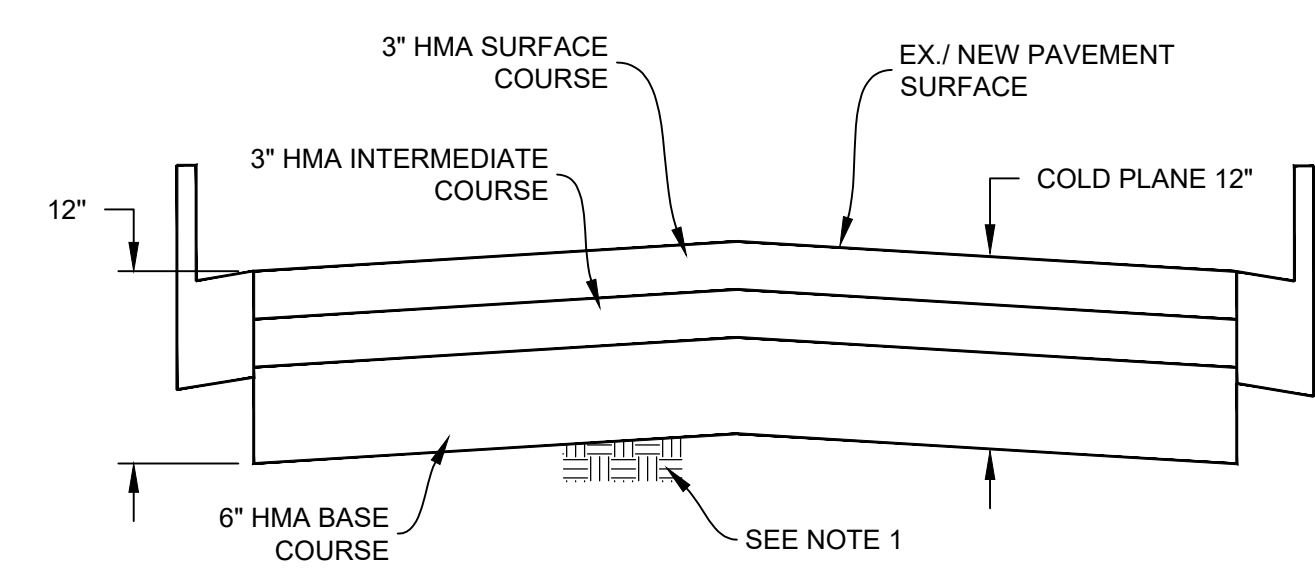
APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	



CAMELIA STREET  
NORTH

CAMELIA STREET  
NORTH

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



TYPICAL SECTION NO. 10  
NTS

**CONSTRUCTION NOTES:**

- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ③ SURVEY MONUMENT; PROTECT IN PLACE.
- ④ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

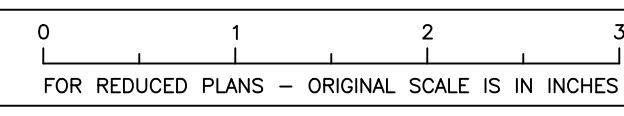
**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	2-1/2"	7"	10	Y
C2	4"	5-1/2"	-	Y
C3	3-1/2"	3"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>JLBM</u>	VERT.: <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE: <u>4-29-24</u>

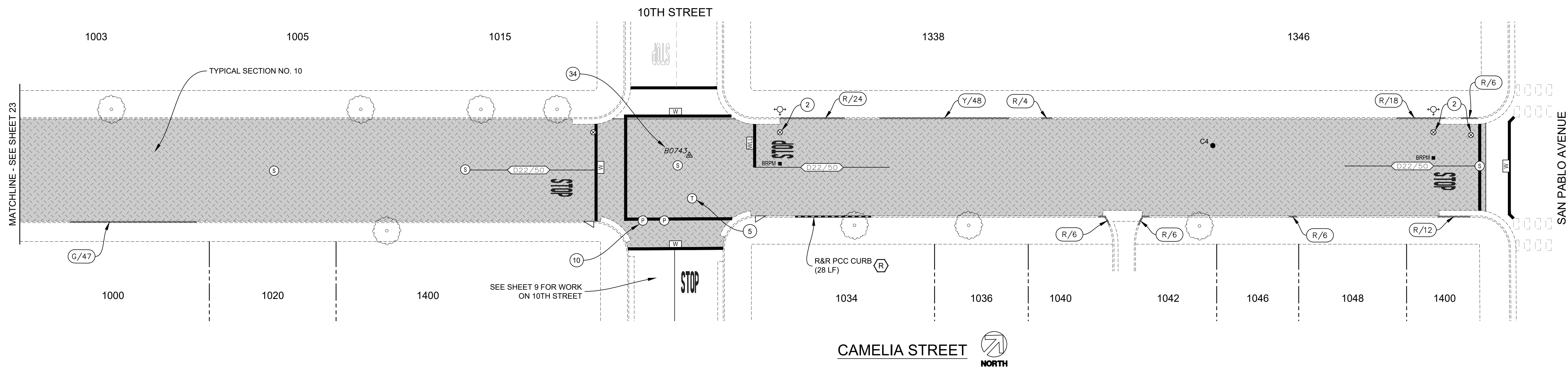


CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

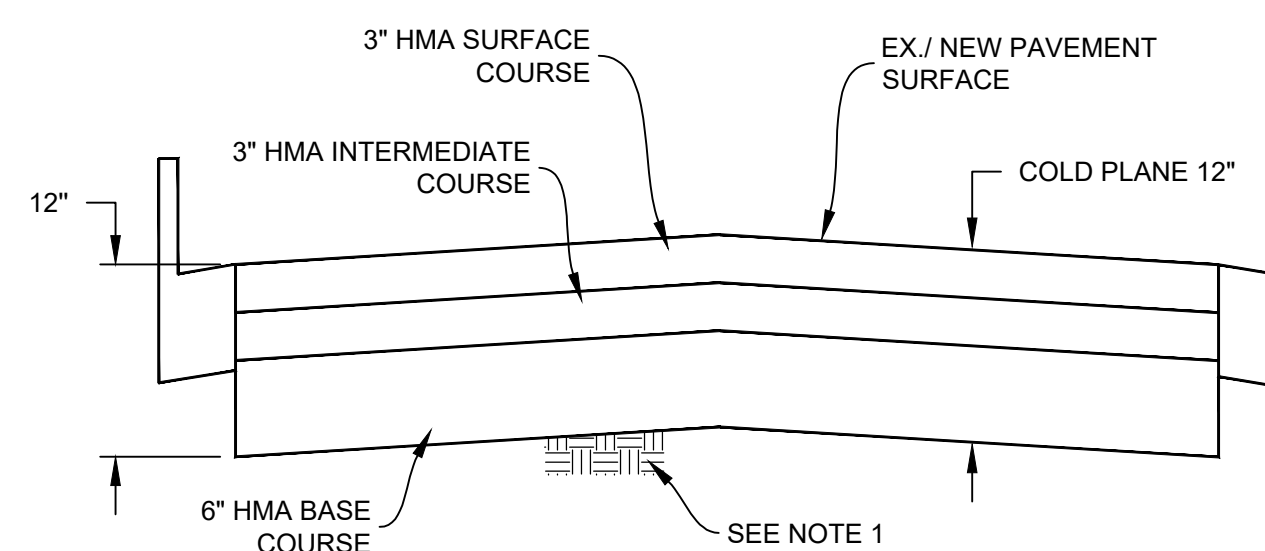
STREET REHABILITATION FY 2024  
CAMELIA STREET  
SIXTH STREET TO SAN PABLO AVENUE

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8284  
FILE 501-641  
SHEET 20 OF 63



NOTE:  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



TYPICAL SECTION NO. 10  
 NTS

**CONSTRUCTION NOTES:**

- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 5 UTILITY COVER: PROTECT IN PLACE.
- 10 SALVAGE PLANTERS (2 EA) PRIOR TO COLD PLANE & INSTALL SALVAGED PLANTER (2 EA) AFTER PLACEMENT OF FINAL SURFACE COURSE.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C4	2-1/4"	3-1/2"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



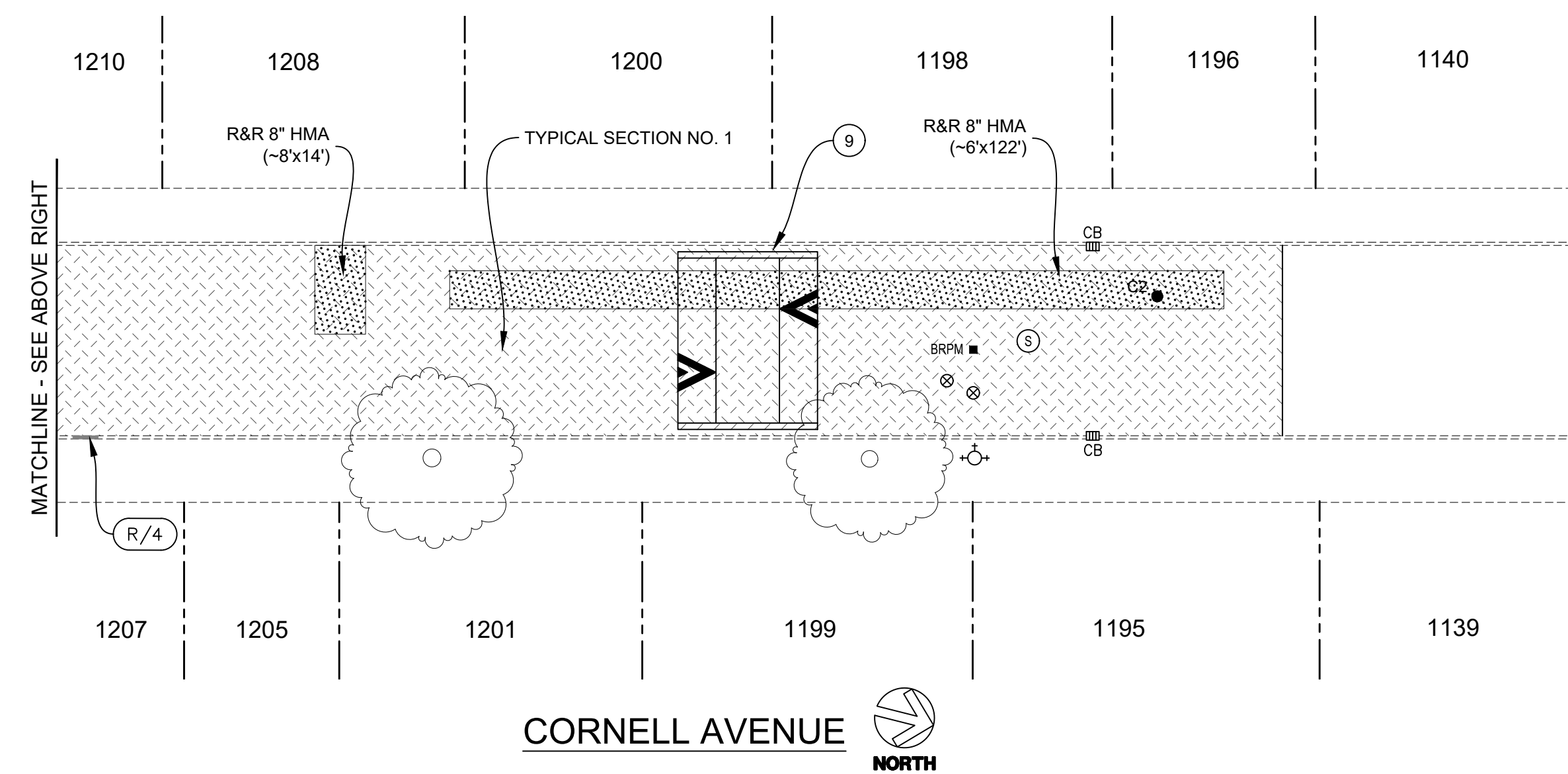
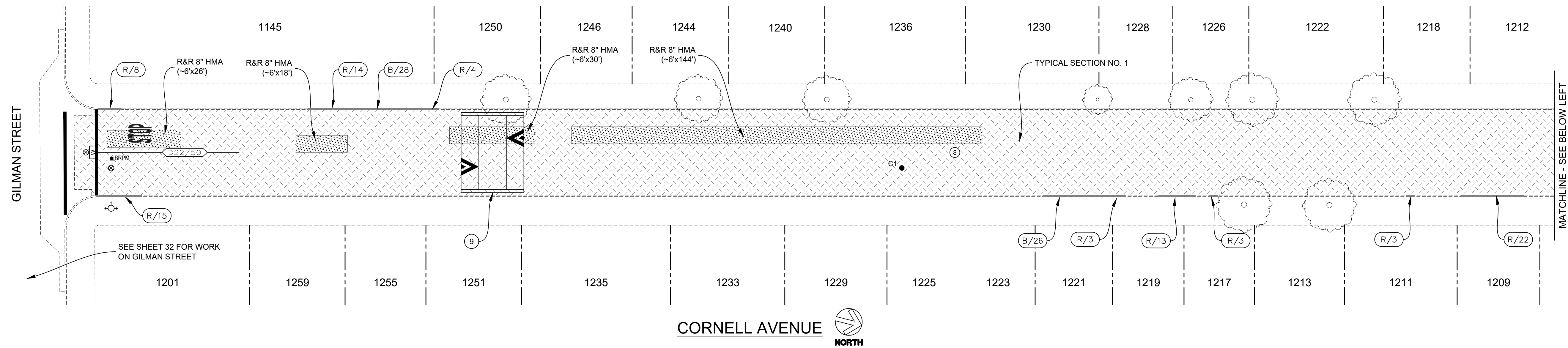
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>JLBM</u>	VERT. <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
		CITY ENGINEER: _____	AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
 DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
 CAMELIA STREET  
 SIXTH STREET TO SAN PABLO AVENUE

PLAN	8284
FILE	501-641
SHEET	21 OF 63

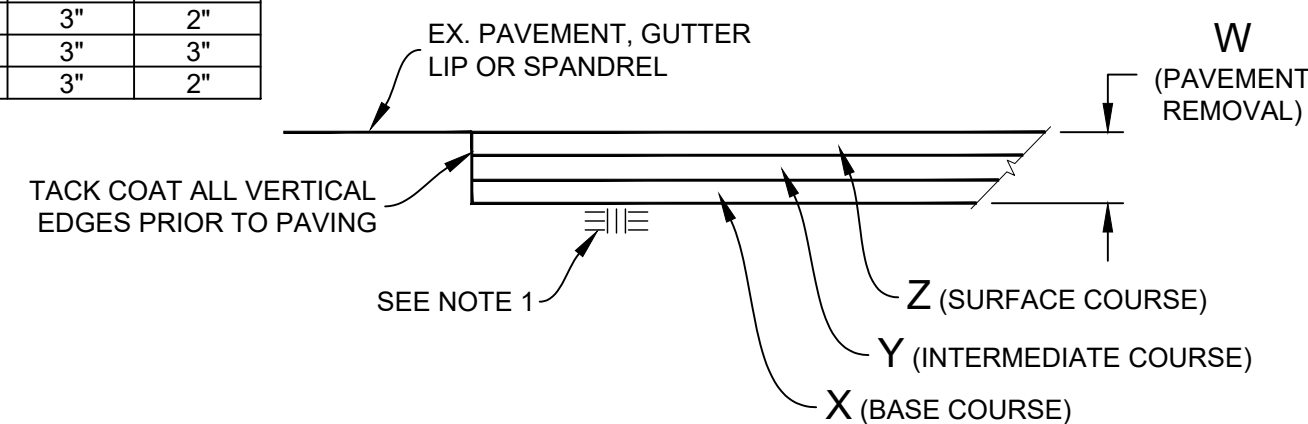
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.

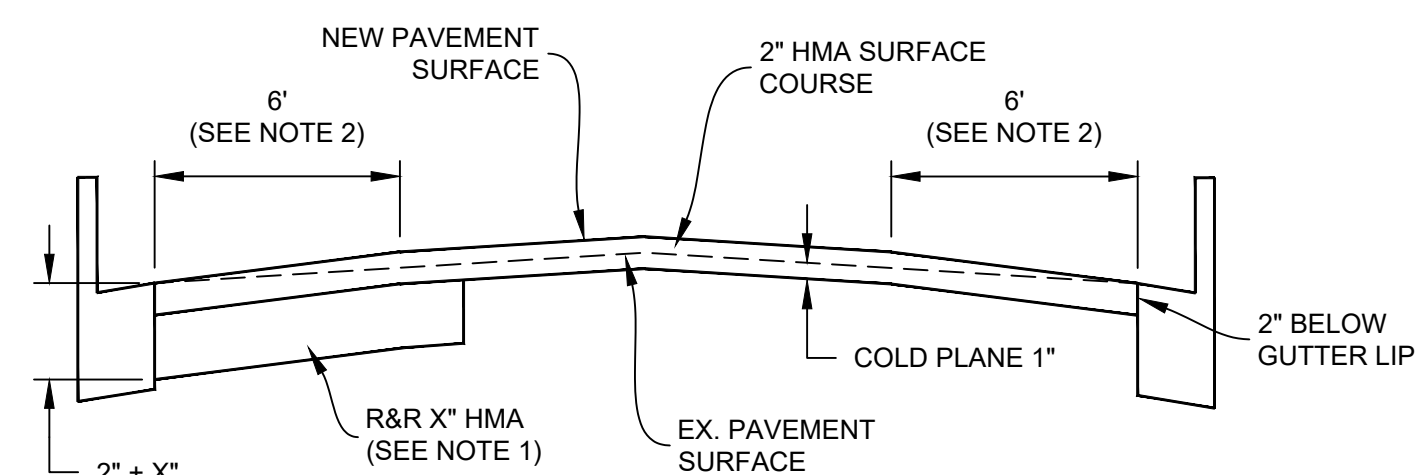


**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**NOTES:**

- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EX. PAVEMENT SURFACE.
- TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 6' FROM GUTTER LIP OR LONGITUDINAL LIMIT.
- TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 10' FROM TRANSVERSE LIMIT.



**TYPICAL SECTION NO. 1**  
NTS

**CONSTRUCTION NOTES:**

- REMOVE EXISTING SPEED HUMP & CONSTRUCT SPEED TABLE PER CITY OF BERKELEY STANDARD DETAIL "MIDBLOCK SPEED TABLE".

**MISCELLANEOUS NOTE:**

- LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	4"	6-1/2"	-	N
C2	8-1/2"	5"	9	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

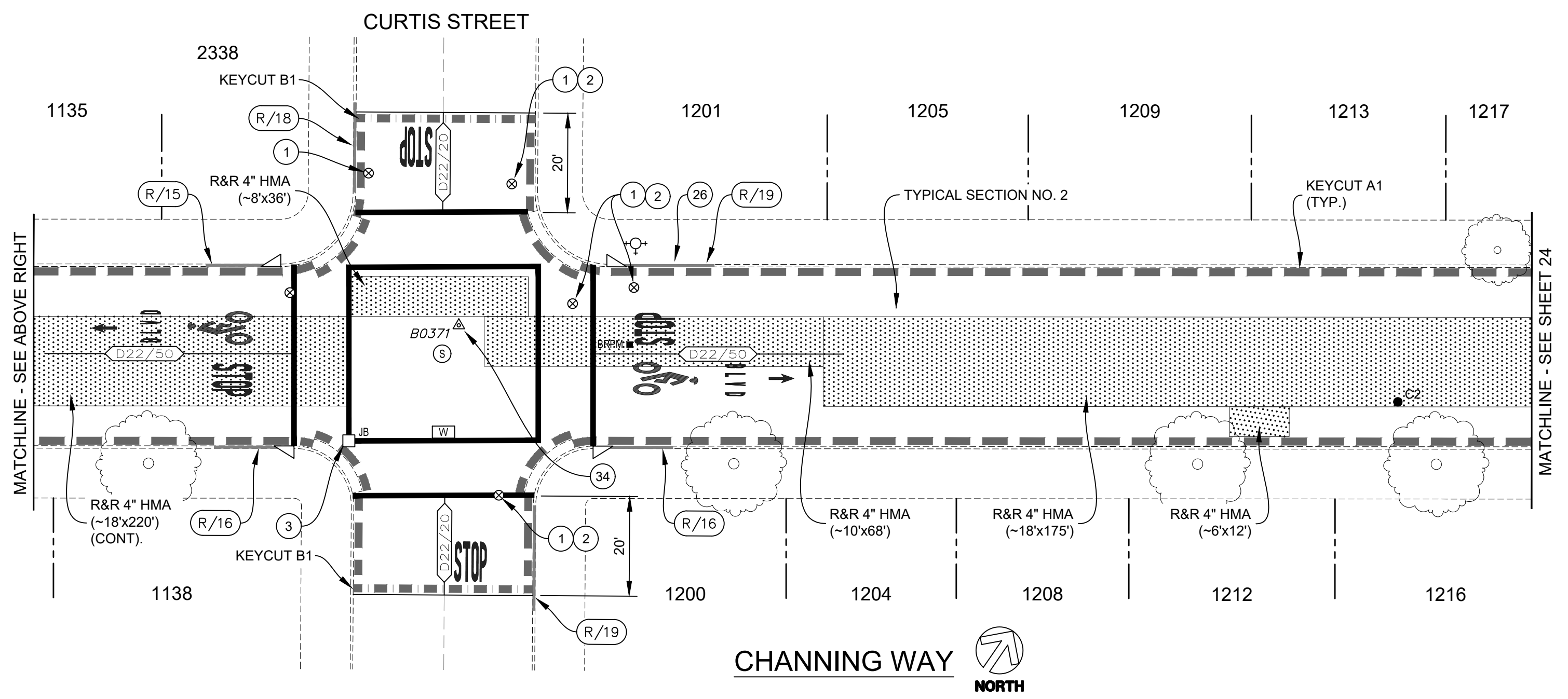
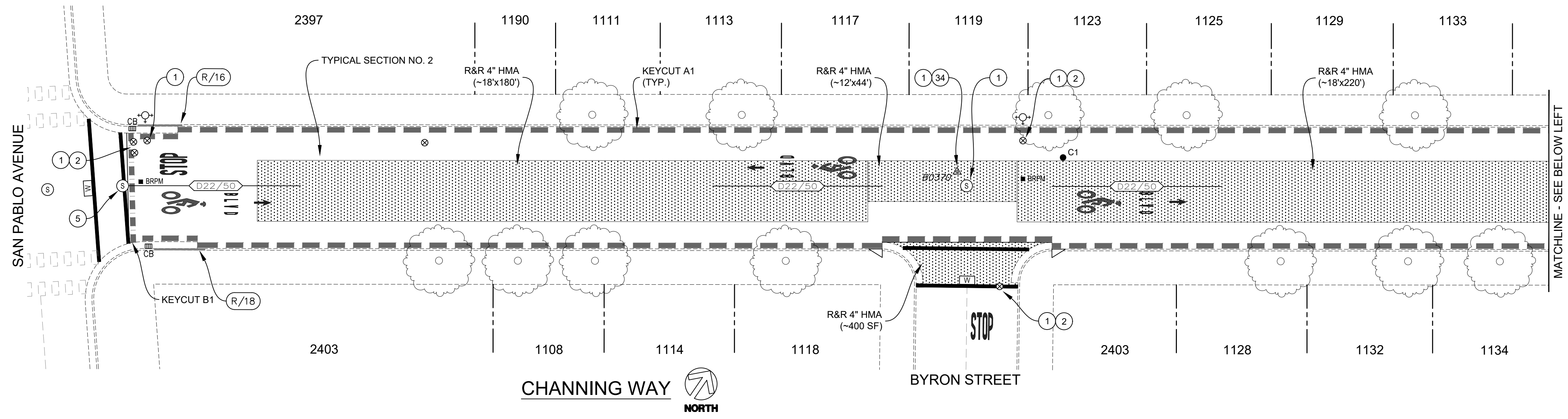
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>JLBM</u>	VERT.: <u>N/A</u>
		APPROVED: _____	CHECK: _____	BOOK: _____
		CITY ENGINEER _____	AS BUILT: _____	DATE: <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

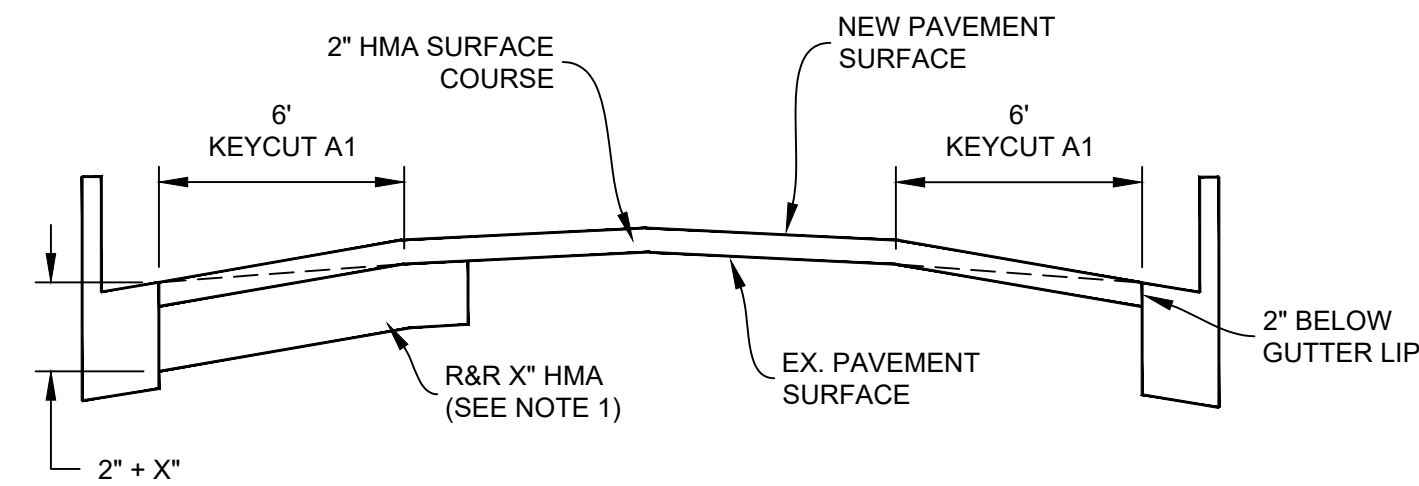
**STREET REHABILITATION FY 2024**  
CORNELL AVENUE  
GILMAN STREET TO CITY LIMIT

PLAN 8284  
FILE 501-641  
SHEET 22 OF 63

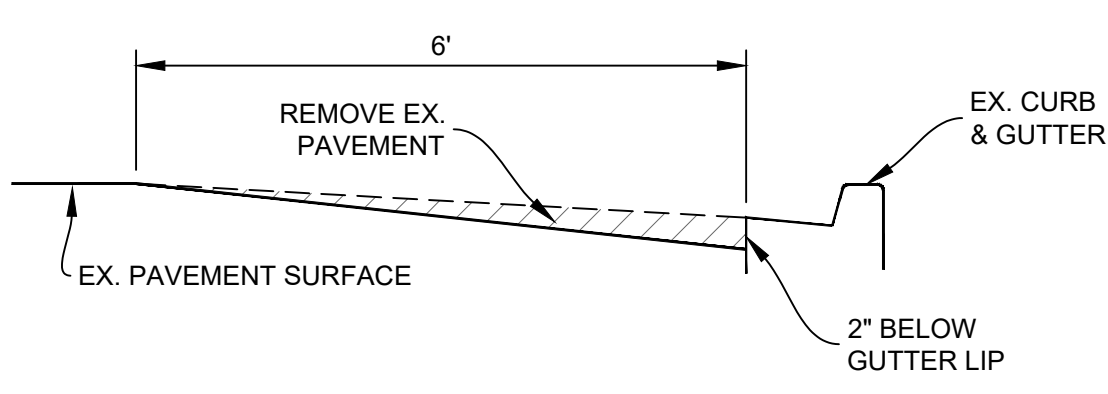
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



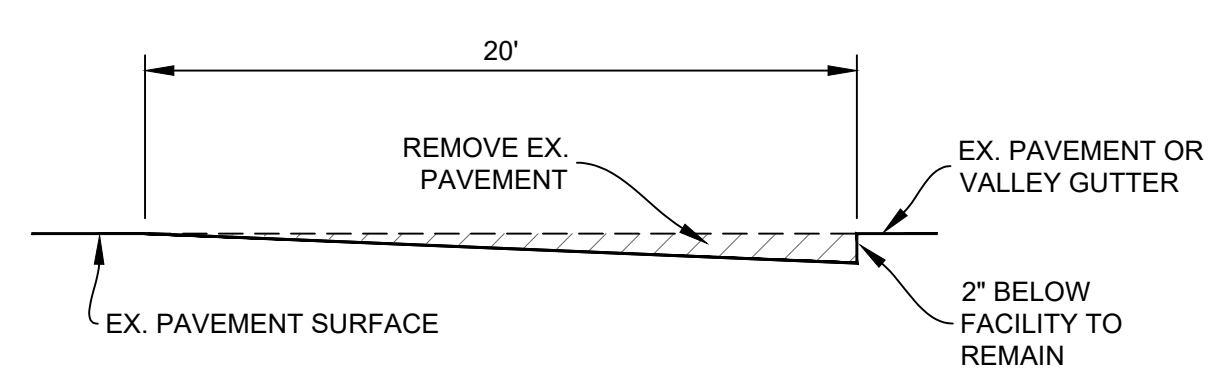
NOTE:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.



TYPICAL SECTION NO. 2  
NTS



KEYCUT A1  
(LONGITUDINAL KEYCUT)  
NTS

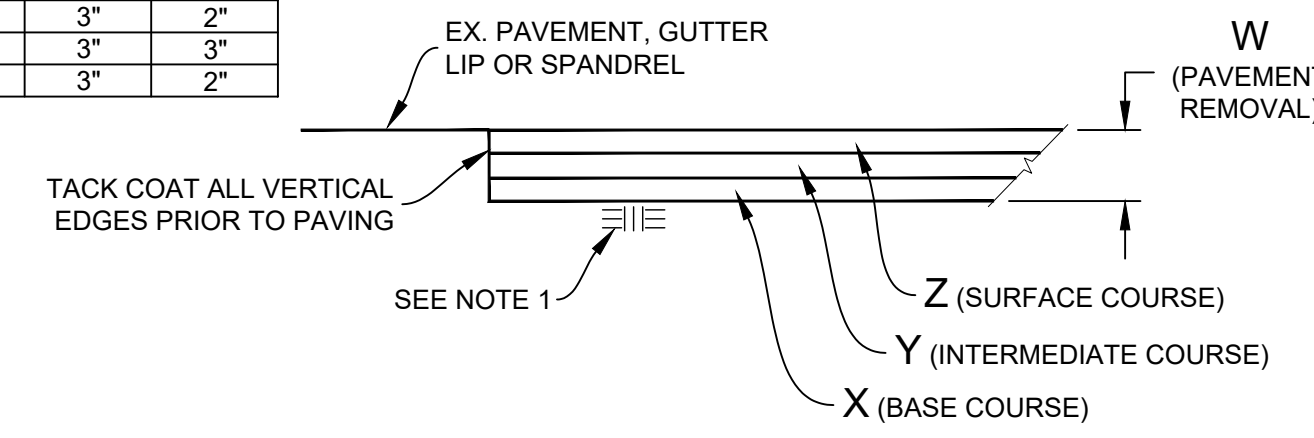


KEYCUT B1  
(TRANSVERSE KEYCUT)  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

CONSTRUCTION NOTES:

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ③ JUNCTION BOX; PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- ⑤ UTILITY COVER; PROTECT IN PLACE.
- ②⑥ REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.
- ③④ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

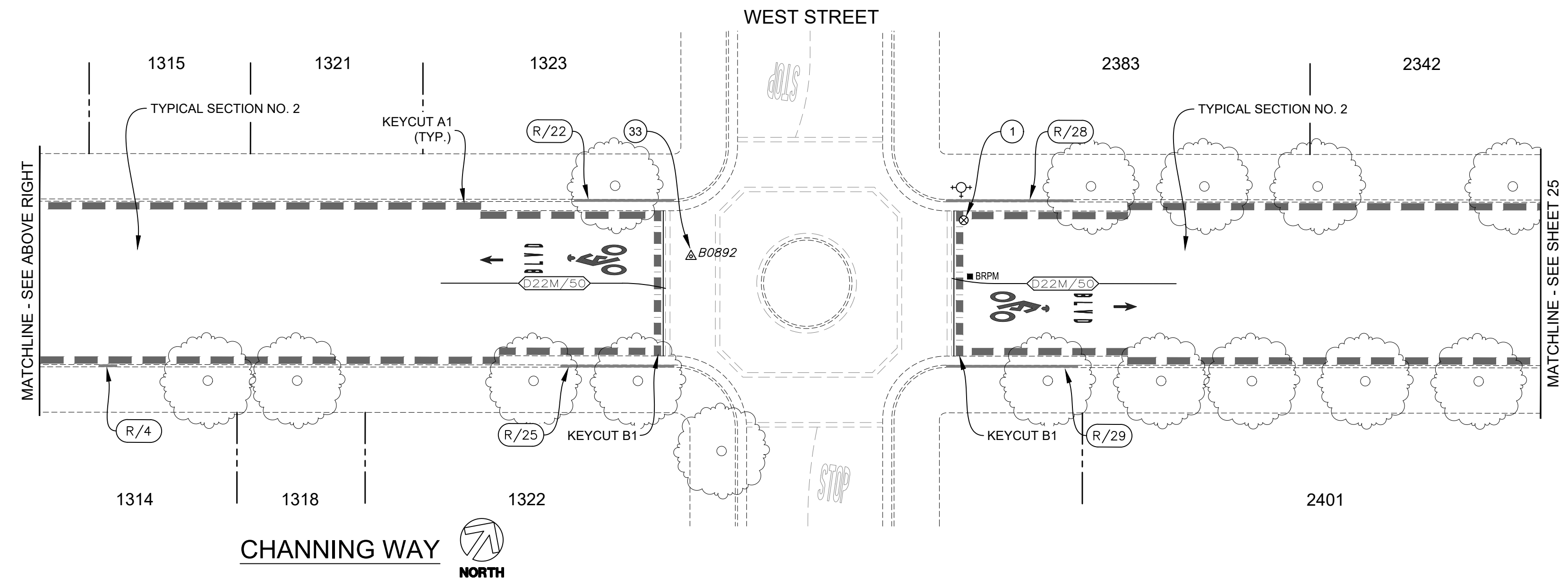
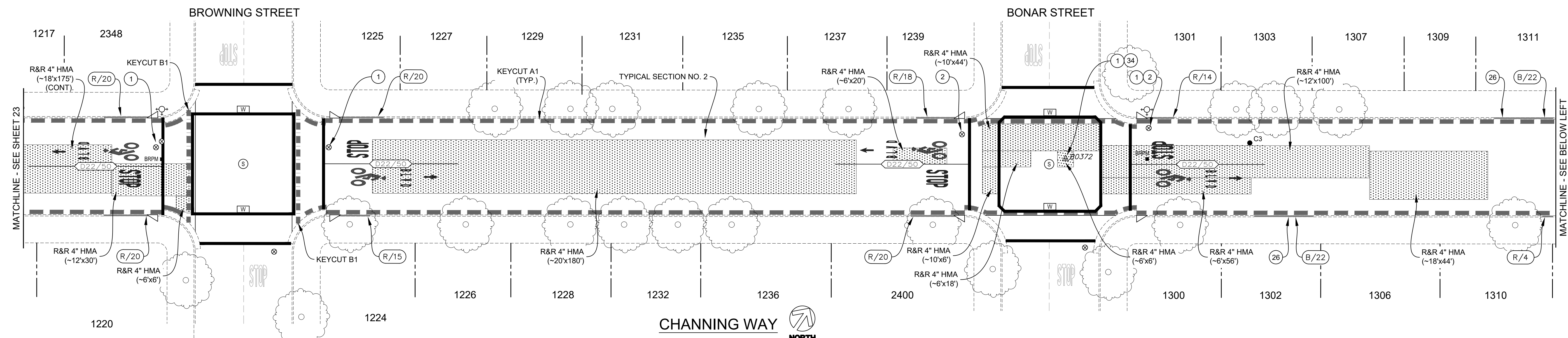
BORING LOG

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	2-1/2"	5-1/2"	9	N
C2	3"	5"	-	N

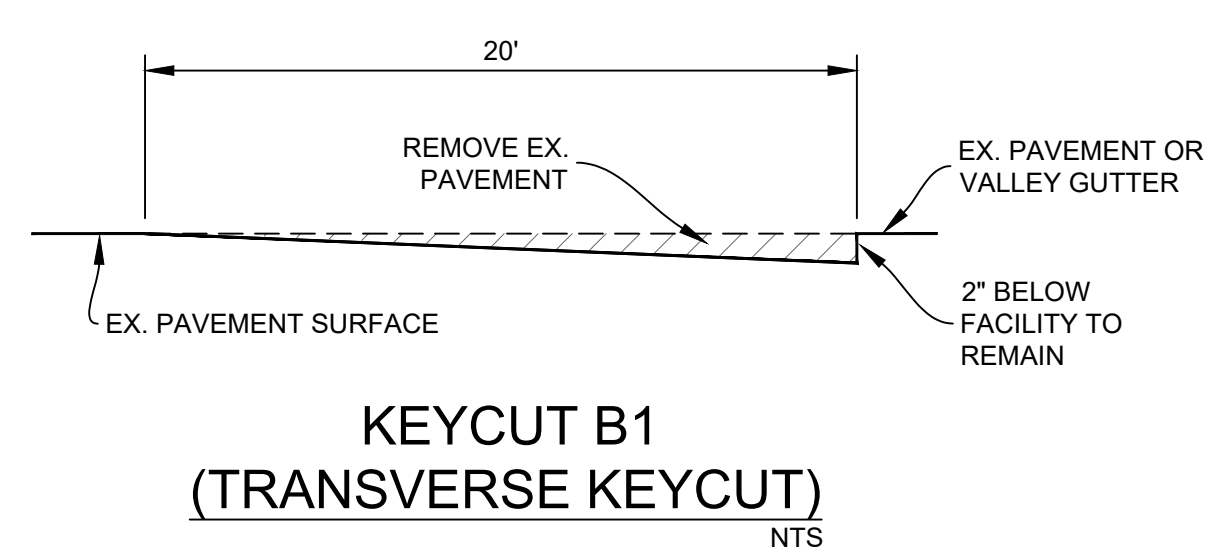
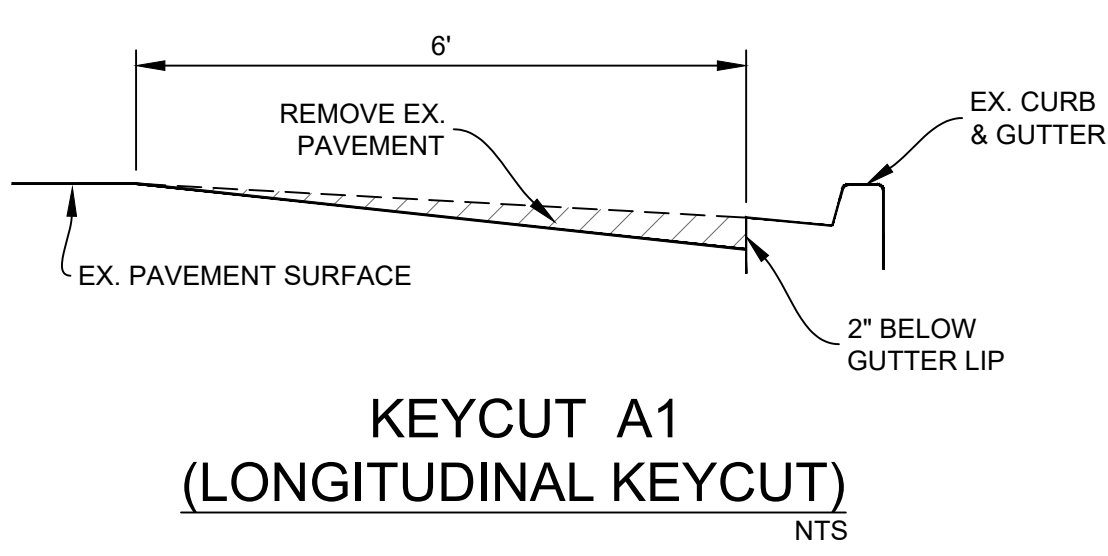
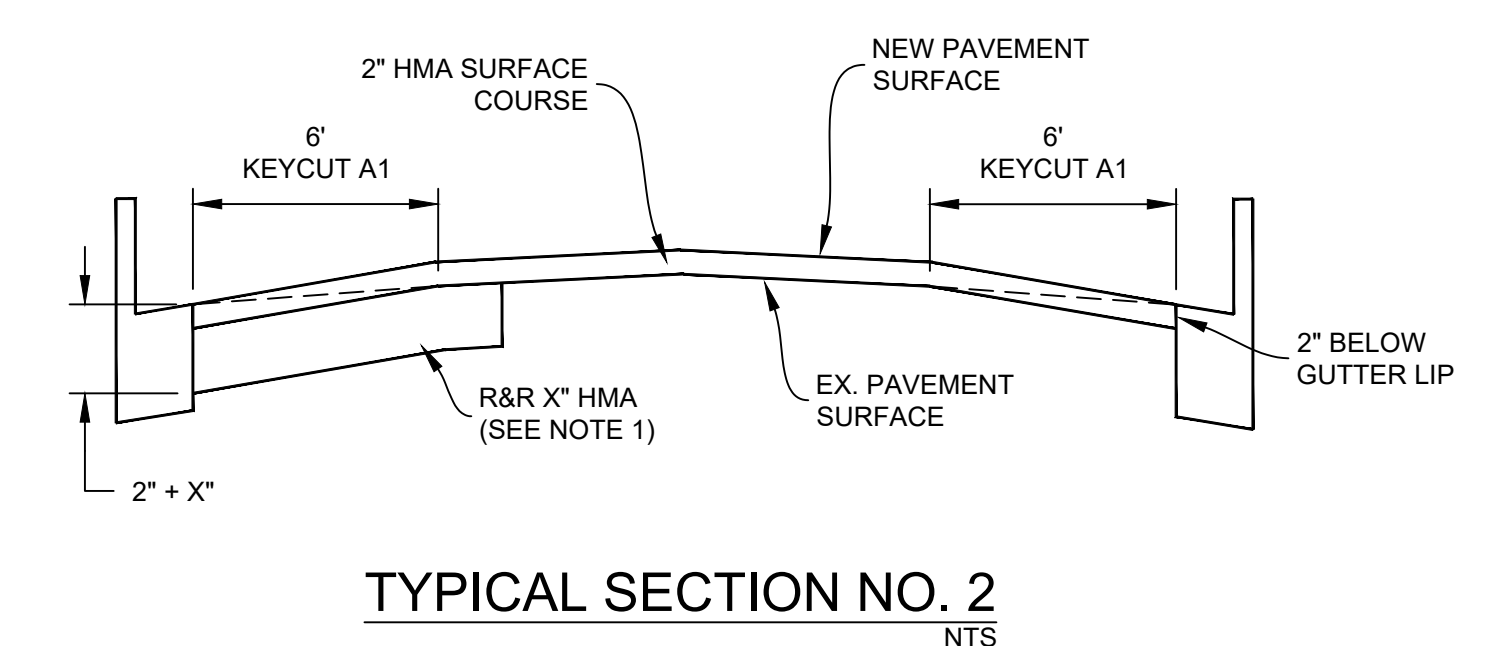
\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 CHANNING WAY SAN PABLO AVENUE TO SACRAMENTO STREET	PLAN <u>8284</u>	
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>			FILE <u>501-641</u>	
APPROVED: _____	CITY ENGINEER: _____	APPROVED: _____	CHECK: _____	BOOK _____			REVISION _____	DATE _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES			AS BUILT _____	DATE <u>4-29-24</u>				SHEET <u>23</u> OF <u>63</u>

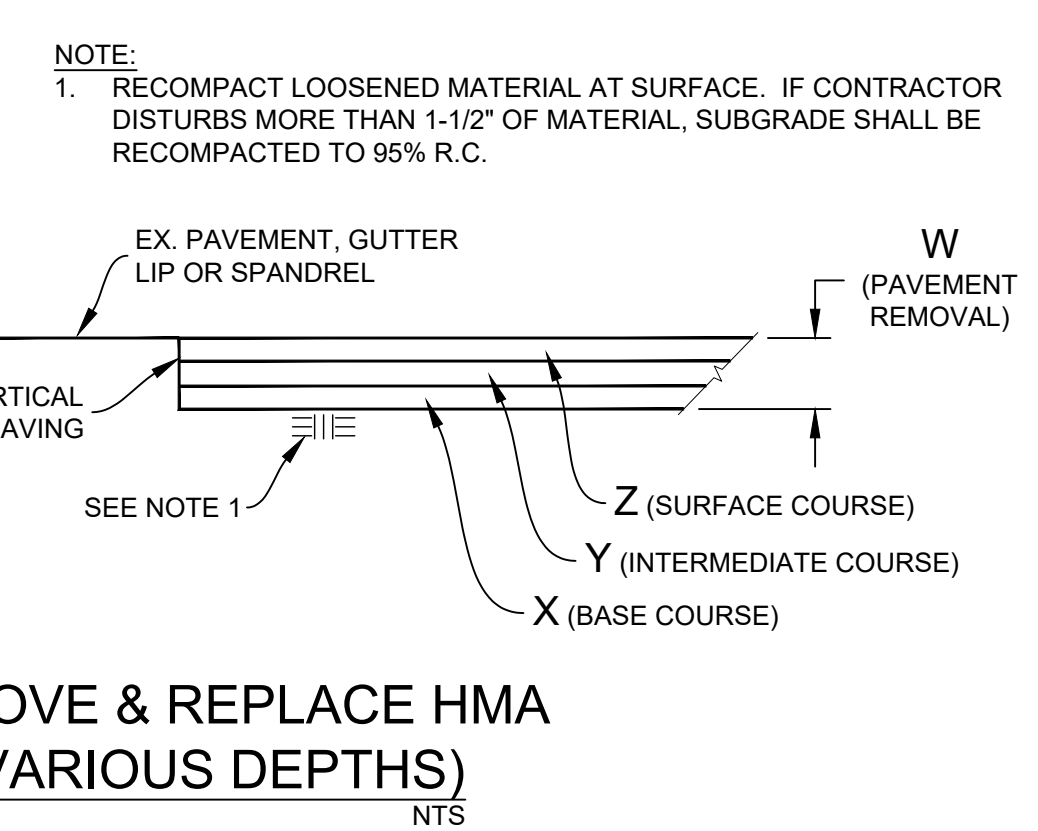


NOTE:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"



**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ②⑥ REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.
- ③③ SURVEY MONUMENT; PROTECT IN PLACE.
- ③④ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	3"	6"	9	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

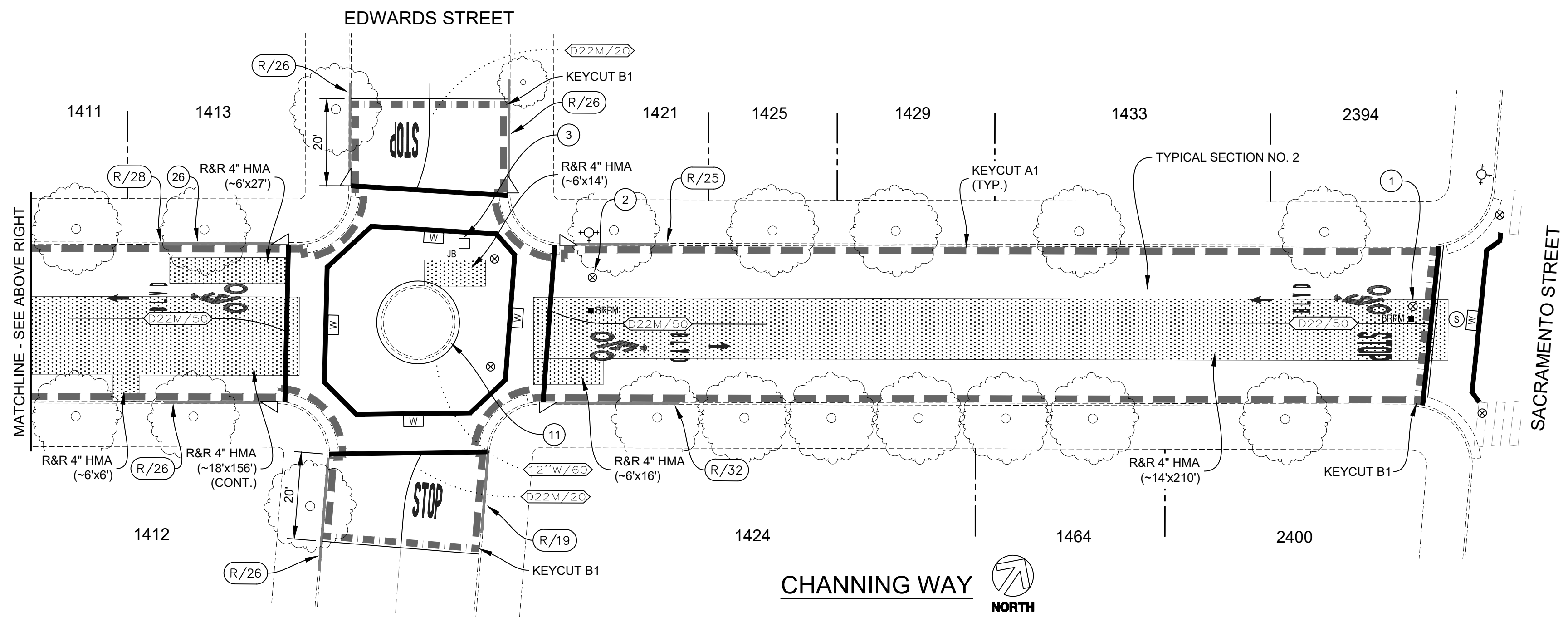
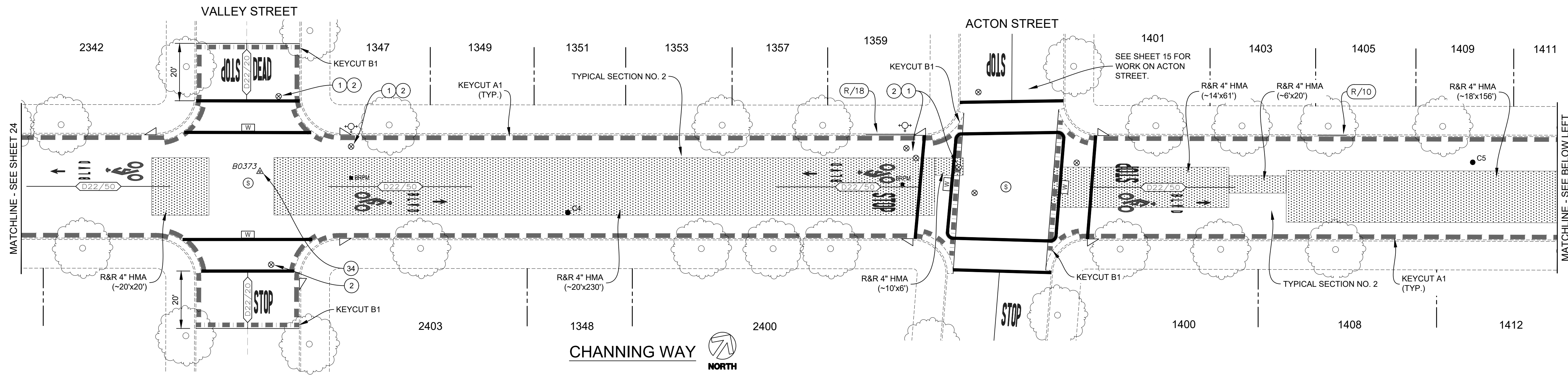


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=20'	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 CHANNING WAY SAN PABLO AVENUE TO SACRAMENTO STREET	PLAN: 8284
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: BM	VERT.: N/A			FILE: 501-641
CITY ENGINEER: _____		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____			REVISION: _____
			AS BUILT: _____	DATE: 4-29-24			MARK: _____

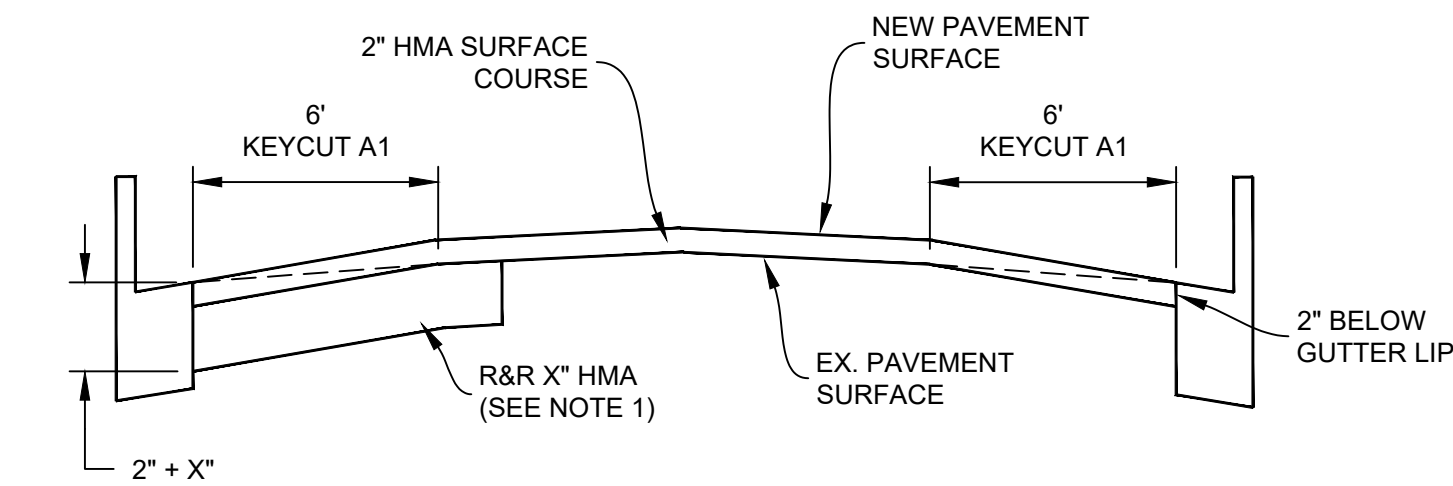
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

APPROVAL	DESCRIPTION	DATE

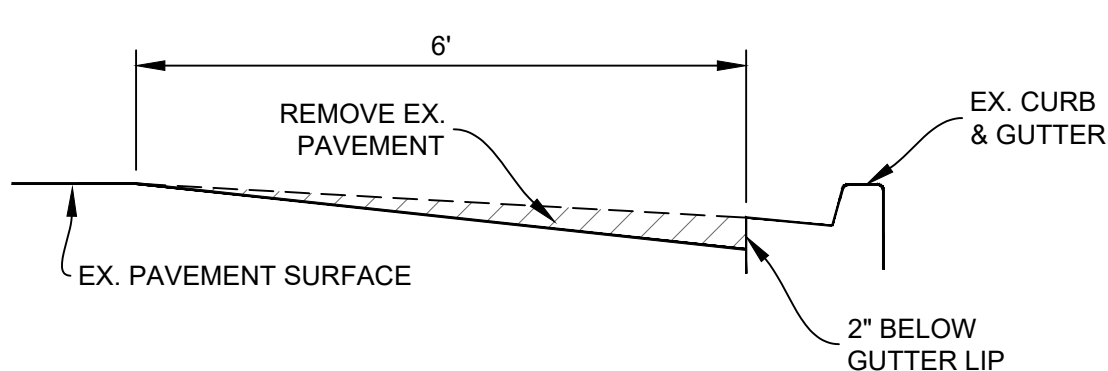




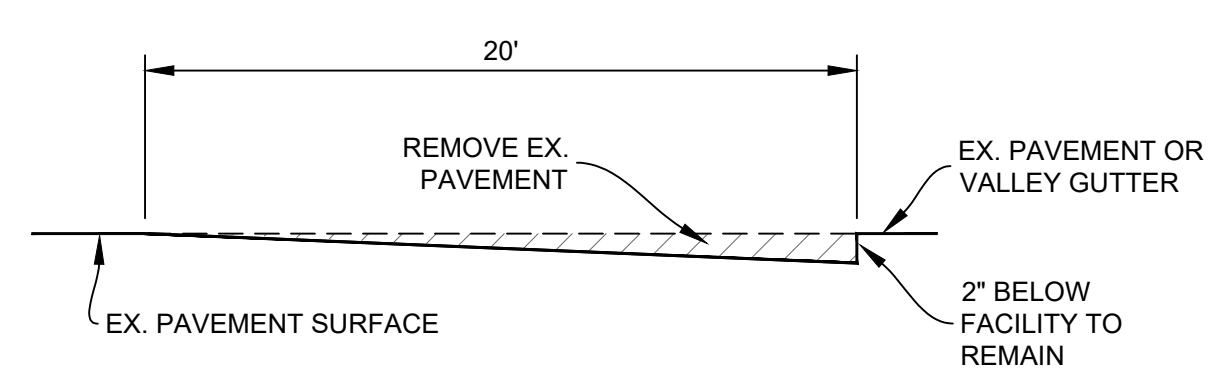
NOTE:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.



TYPICAL SECTION NO. 2  
NTS



KEYCUT A1  
(LONGITUDINAL KEYCUT)  
NTS

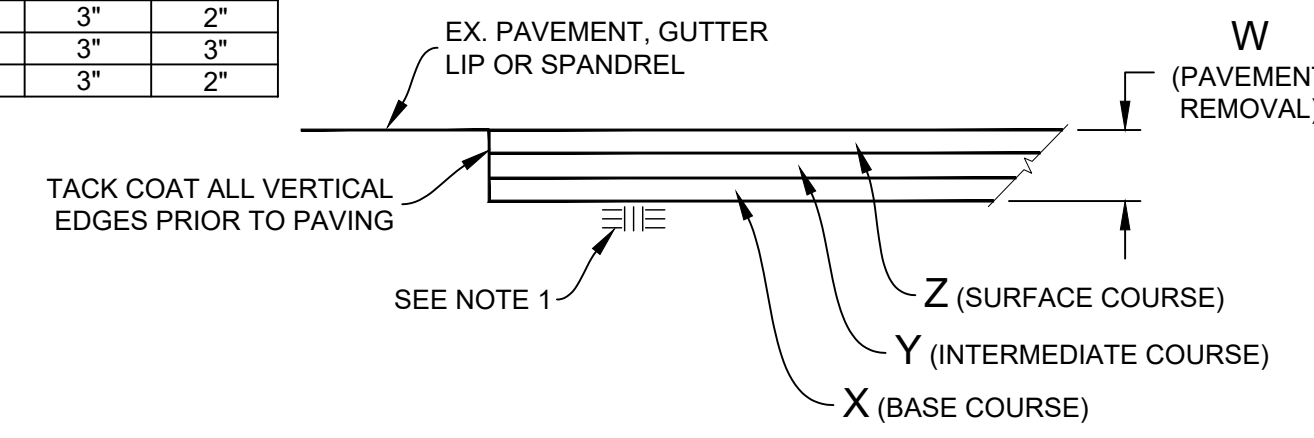


KEYCUT B1  
(TRANSVERSE KEYCUT)  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

**CONSTRUCTION NOTES:**

- (1) LOWER UTILITY COVER PRIOR TO COLD PLANE.
- (2) INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- (3) JUNCTION BOX; PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- (11) PAVE AGAINST MEDIAN CURB FACE.
- (26) REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.
- (34) SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

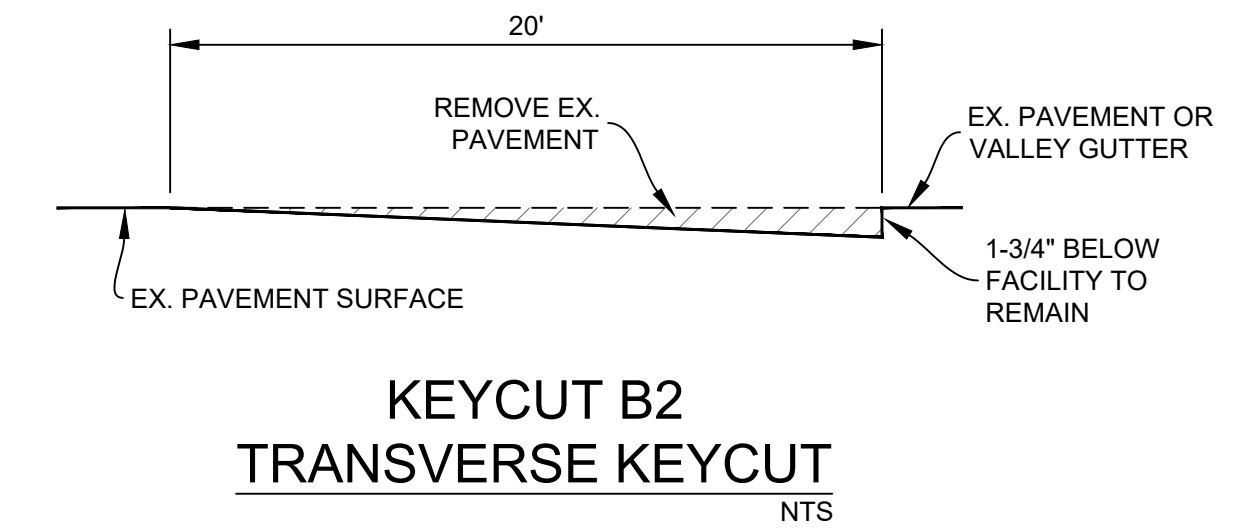
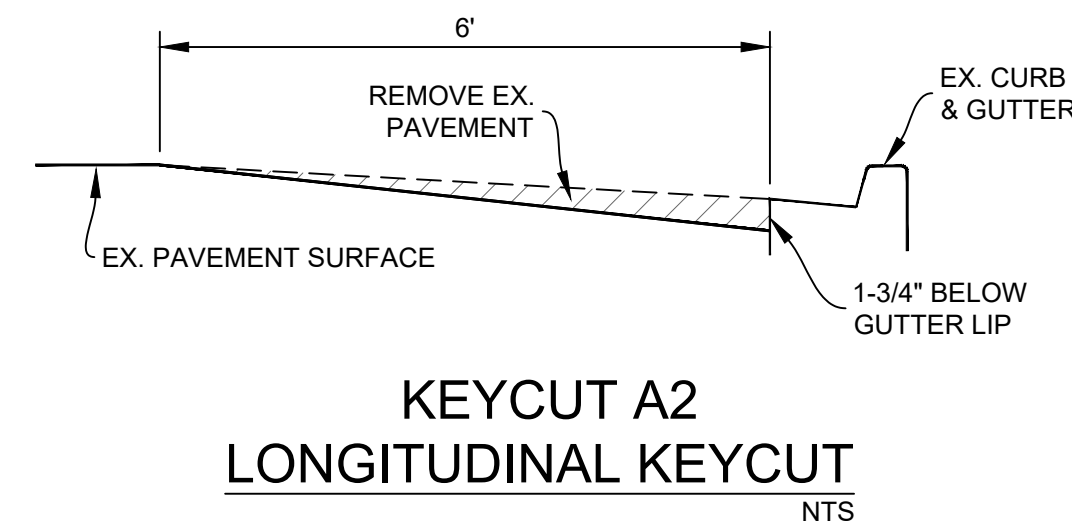
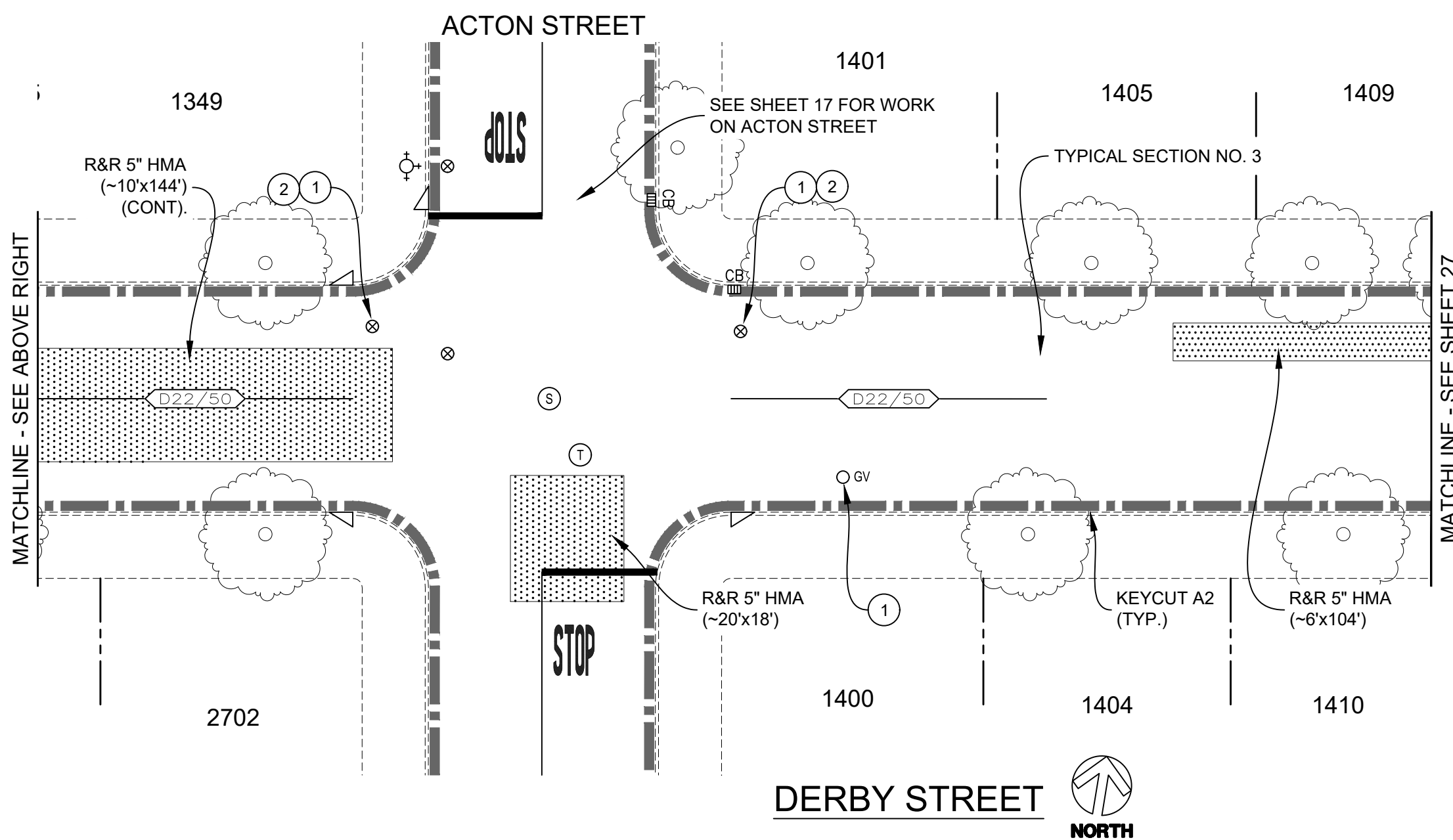
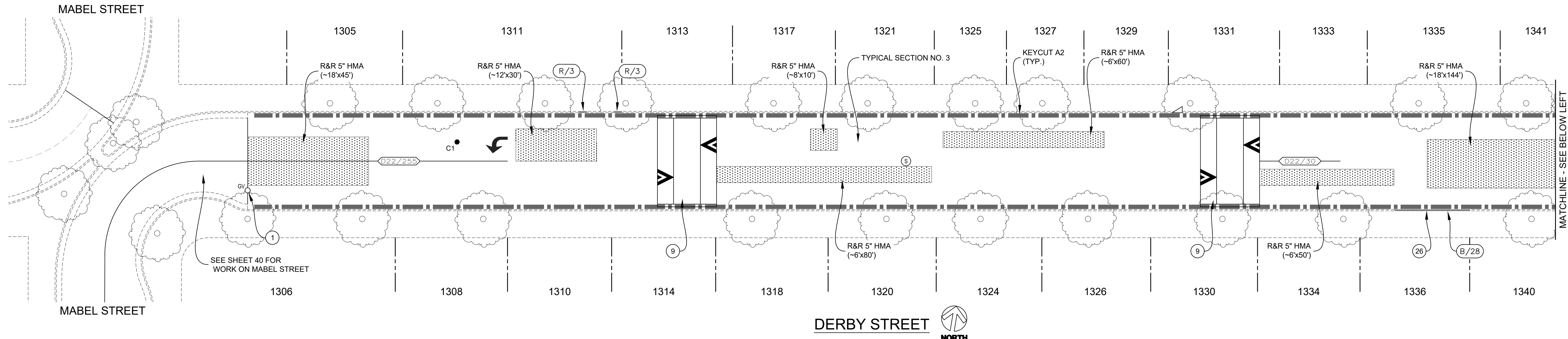
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C4	2-1/2"	5"	-	N
C5	3"	6"	8	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

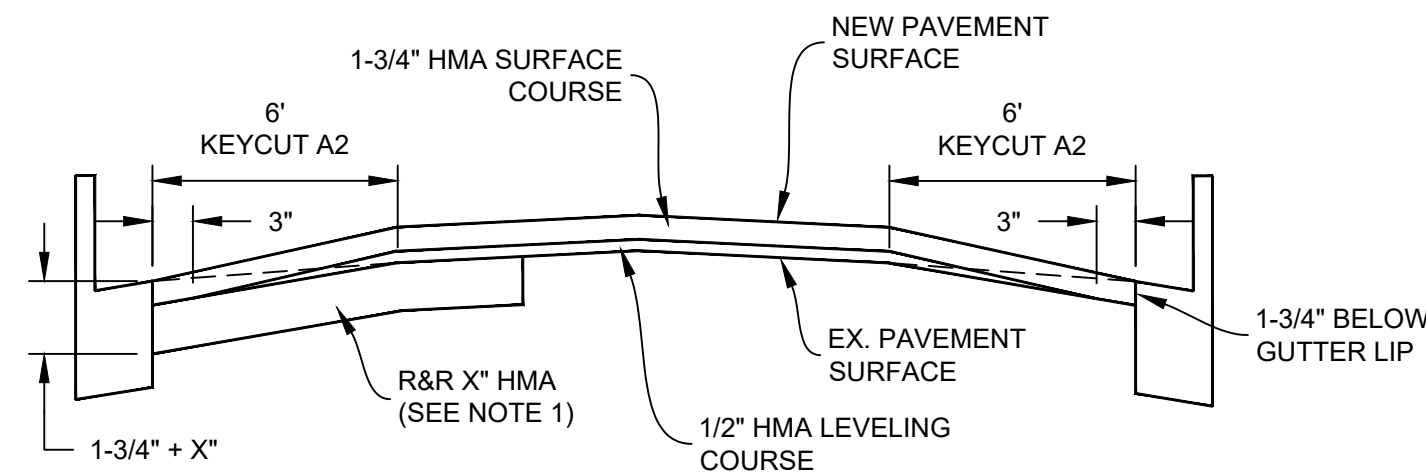


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 CHANNING WAY SAN PABLO AVENUE TO SACRAMENTO STREET	PLAN <u>8284</u>	
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>			FILE <u>501-641</u>	
		APPROVED: _____ DATE _____	CHECK: _____	BOOK _____			REVISION	SHEET <u>25</u> OF <u>63</u>
		CITY ENGINEER: _____ DATE _____	AS BUILT _____	DATE <u>4-29-24</u>				

APPROVAL	DESCRIPTION	DATE



- NOTE:**
- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.
  - TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0\"/>

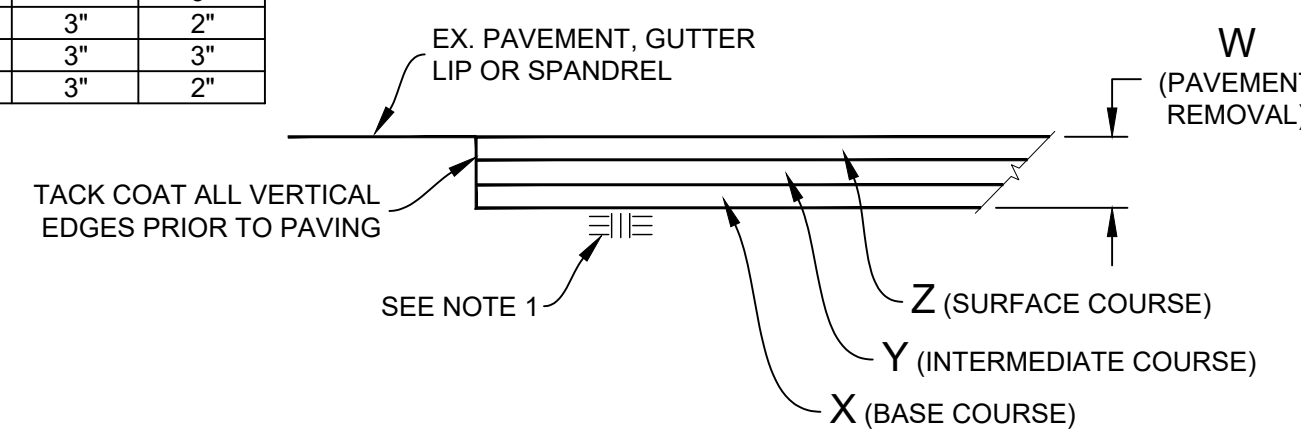


**TYPICAL SECTION NO. 3**  
NTS

**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

- NOTE:**
- RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- LOWER UTILITY COVER PRIOR TO COLD PLANE.
- INSTALL G-5 FRAME & COVER FURNISHED BY EBMU.
- REMOVE EXISTING SPEED HUMP & CONSTRUCT SPEED TABLE PER CITY OF BERKELEY STANDARD DETAIL "MIDBLOCK SPEED TABLE".
- REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	3-1/2"	5-1/2"	10	Y
C2	4-1/2"	6"	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



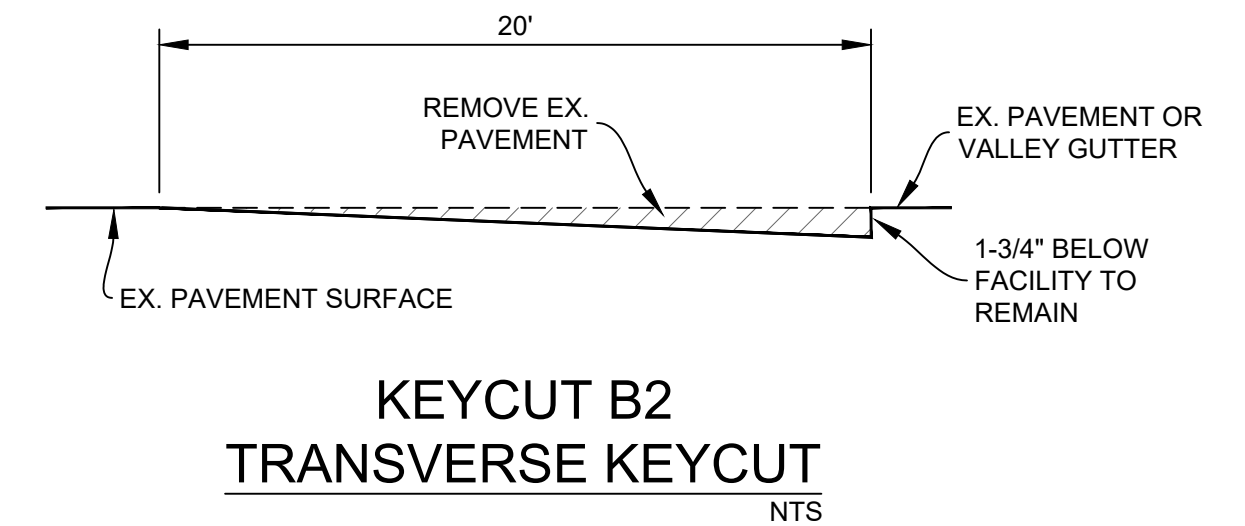
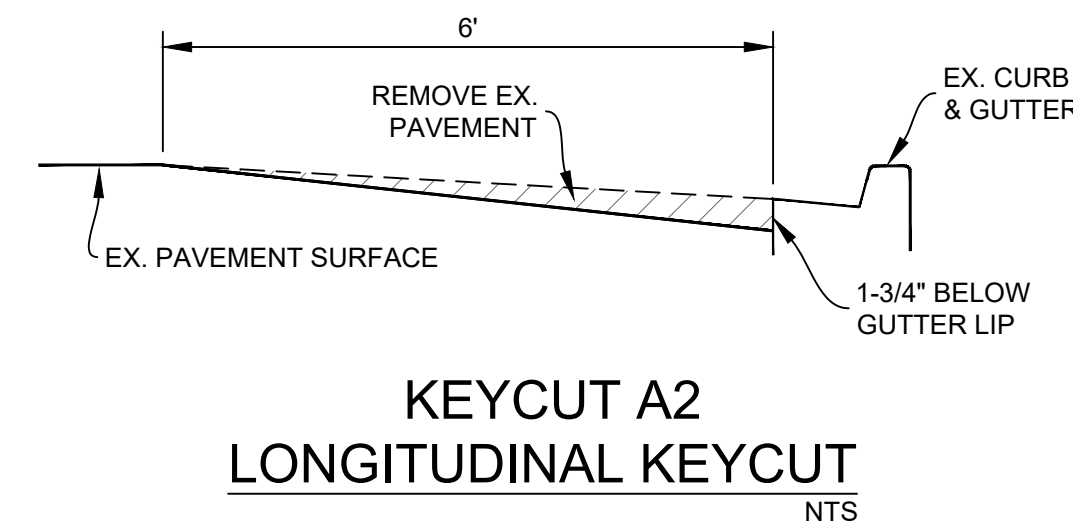
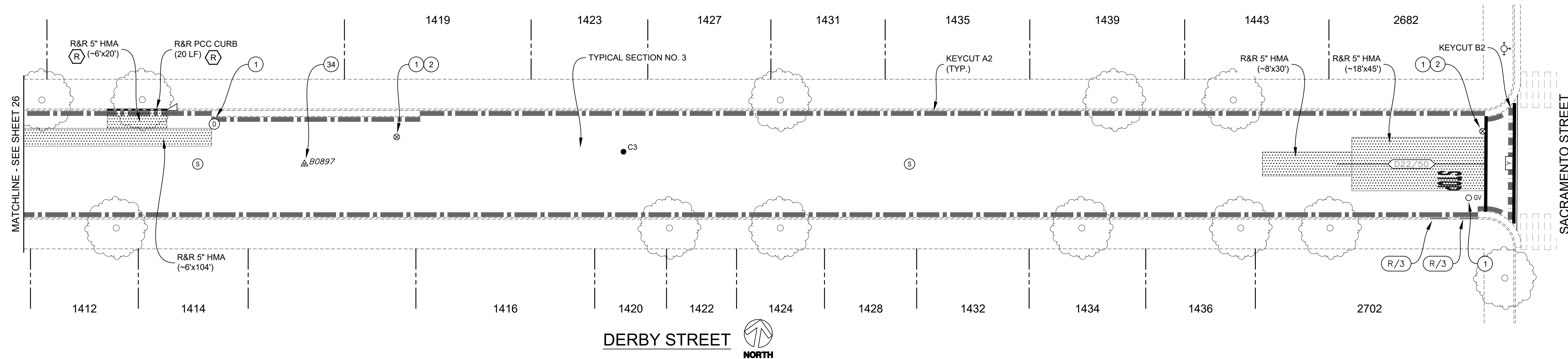
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>
		APPROVED: _____	CHECK: _____	BOOK _____
		CITY ENGINEER _____	AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

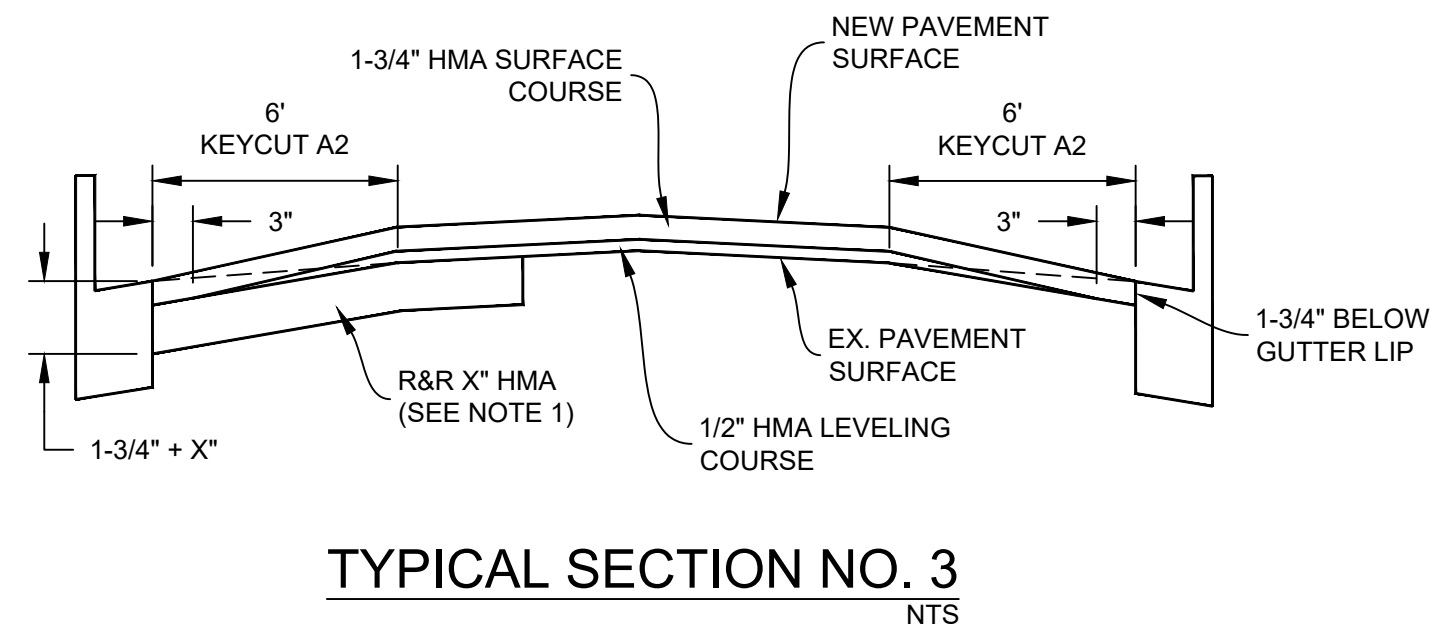
**STREET REHABILITATION FY 2024**  
**DERBY STREET**  
MABEL STREET TO SACRAMENTO STREET

PLAN	8284
FILE	501-641
SHEET	28 OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



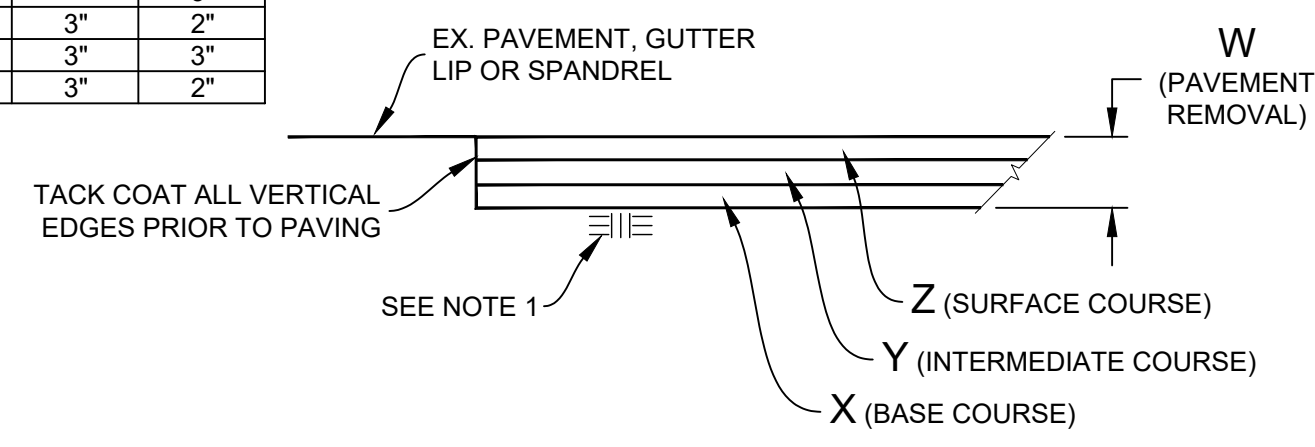
**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0" THICKNESS, 3" FROM GUTTER LIP & ALL TRANSVERSE LIMITS.



**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ③ SURVEY MONUMENT: REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

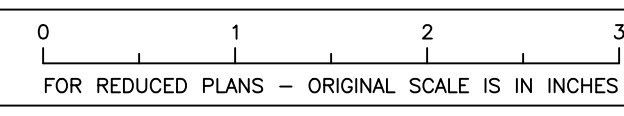
**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	5'	5'	10	Y

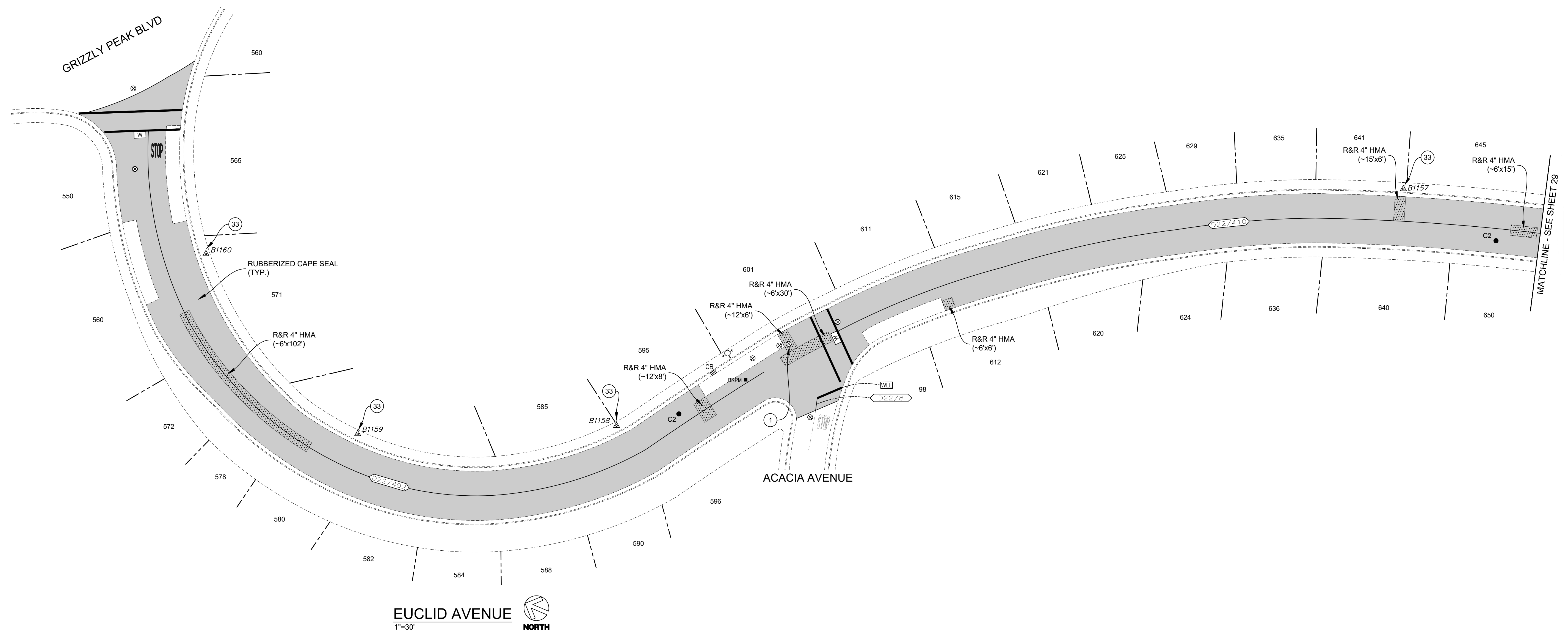
\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 DERBY STREET MABEL STREET TO SACRAMENTO STREET	PLAN <u>8284</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>			FILE <u>501-641</u>
APPROVED: _____	CITY ENGINEER _____	APPROVED: _____	CHECK: _____	BOOK _____			REVISION _____
DATE _____	DATE _____	DATE _____	AS BUILT _____	DATE <u>4-29-24</u>			MARK _____



REVISION	MARK	DATE	DESCRIPTION	APPROVAL



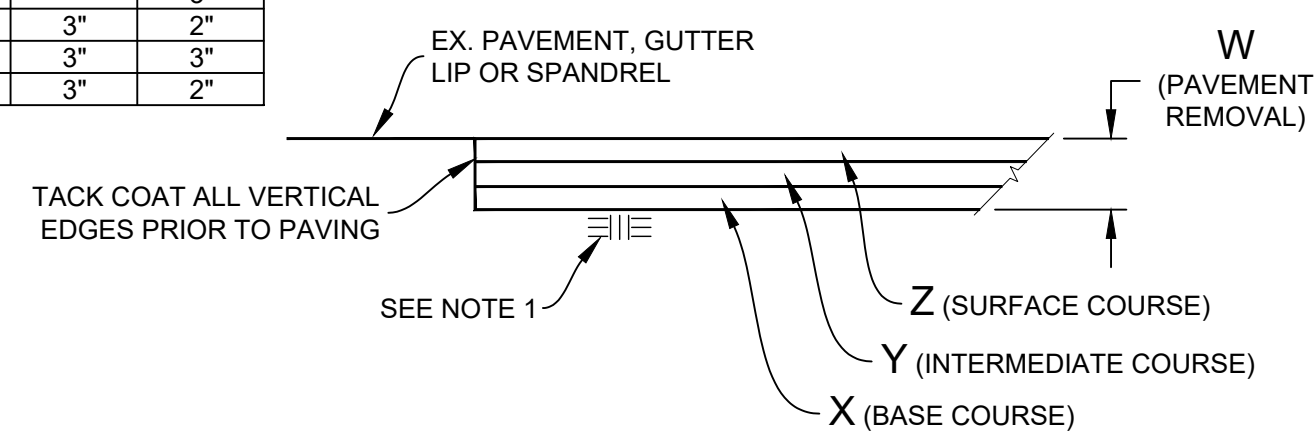
**EUCLID AVENUE**  
1"=30'



**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

**NOTE:**  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ③③ SURVEY MONUMENT; PROTECT IN PLACE.

**BORING LOG**

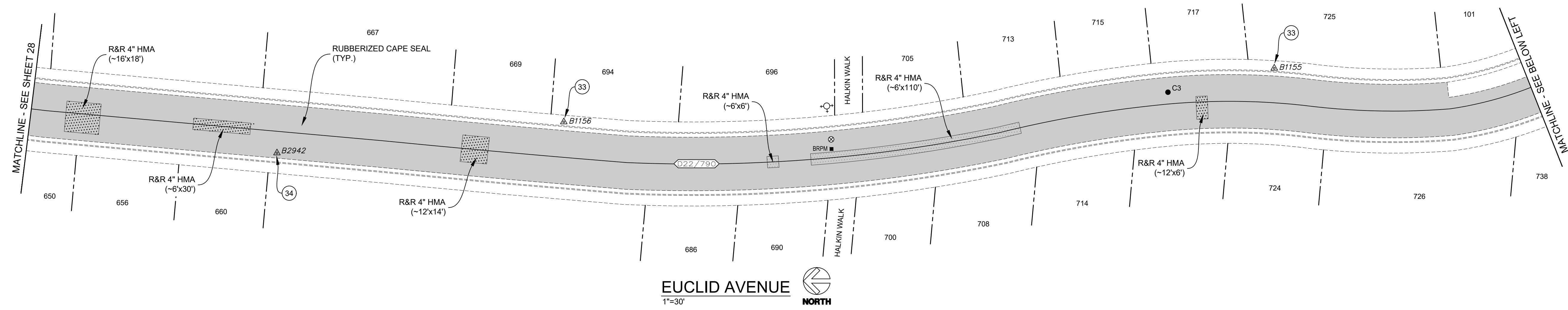
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	11'	-	-	N
C2	11'	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=30'</u>	<b>CITY OF BERKELEY</b> DEPARTMENT OF PUBLIC WORKS	<b>STREET REHABILITATION FY 2024</b> EUCLID AVENUE GRIZZLY PEAK BOULEVARD TO CRAGMONT AVENUE	PLAN: <u>8284</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>AB</u>	VERT.: <u>N/A</u>			FILE: <u>501-641</u>
APPROVED: _____	CITY ENGINEER: _____	APPROVED: _____	CHECK: _____	BOOK: _____			REVISION: _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES		AS BUILT: _____	DATE: <u>4-29-24</u>	SHEET: <u>28</u> OF <u>63</u>			

NO.	DESCRIPTION	DATE	MARK	APPROVAL



**CONSTRUCTION NOTES:**

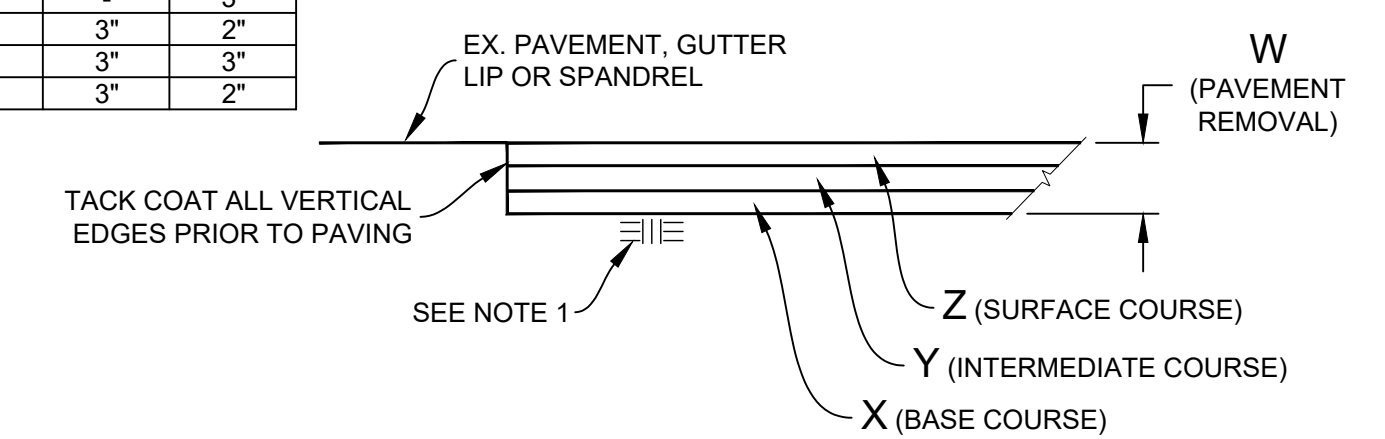
- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 33 SURVEY MONUMENT; PROTECT IN PLACE.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

BORING LOG				
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	13-1/2"	-	-	N
C4	14"	-	-	N
C5	15"	-	-	N

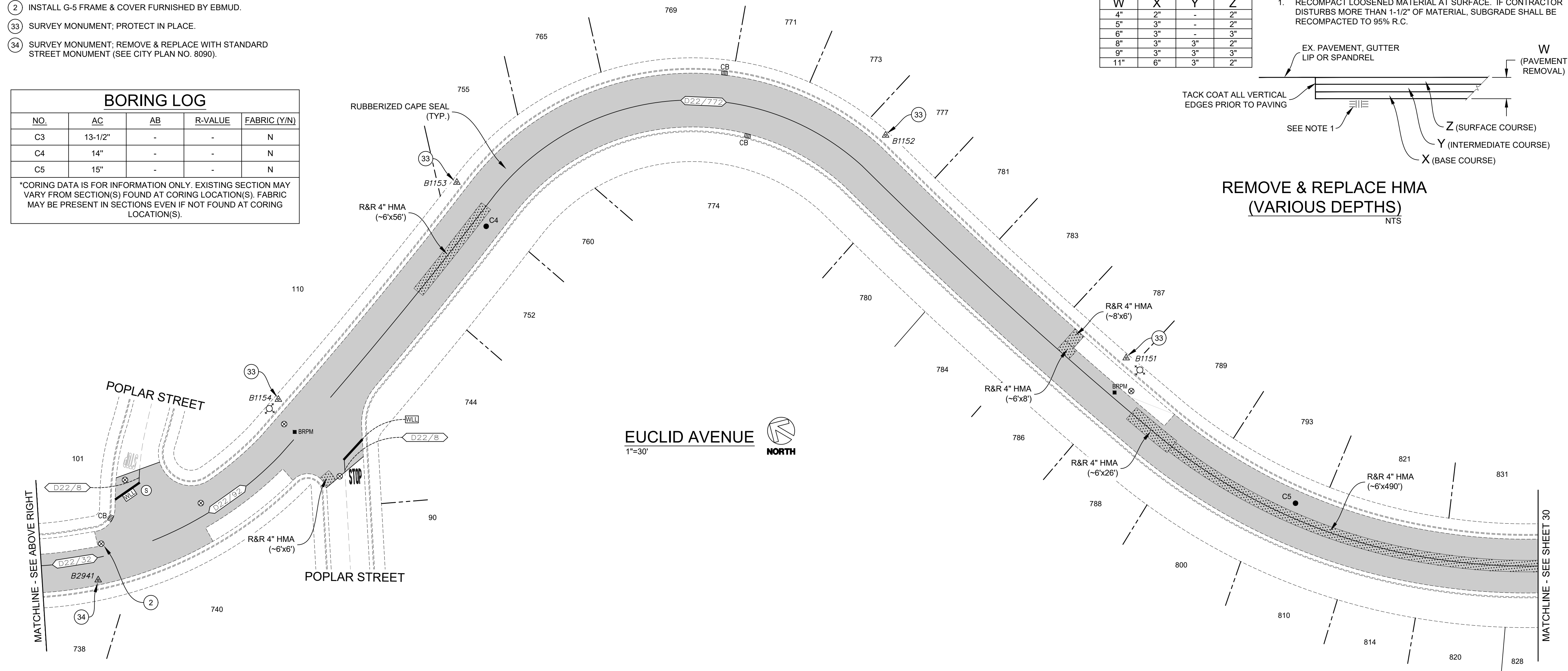
\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

DEPTH MEASUREMENTS			
W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENEED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



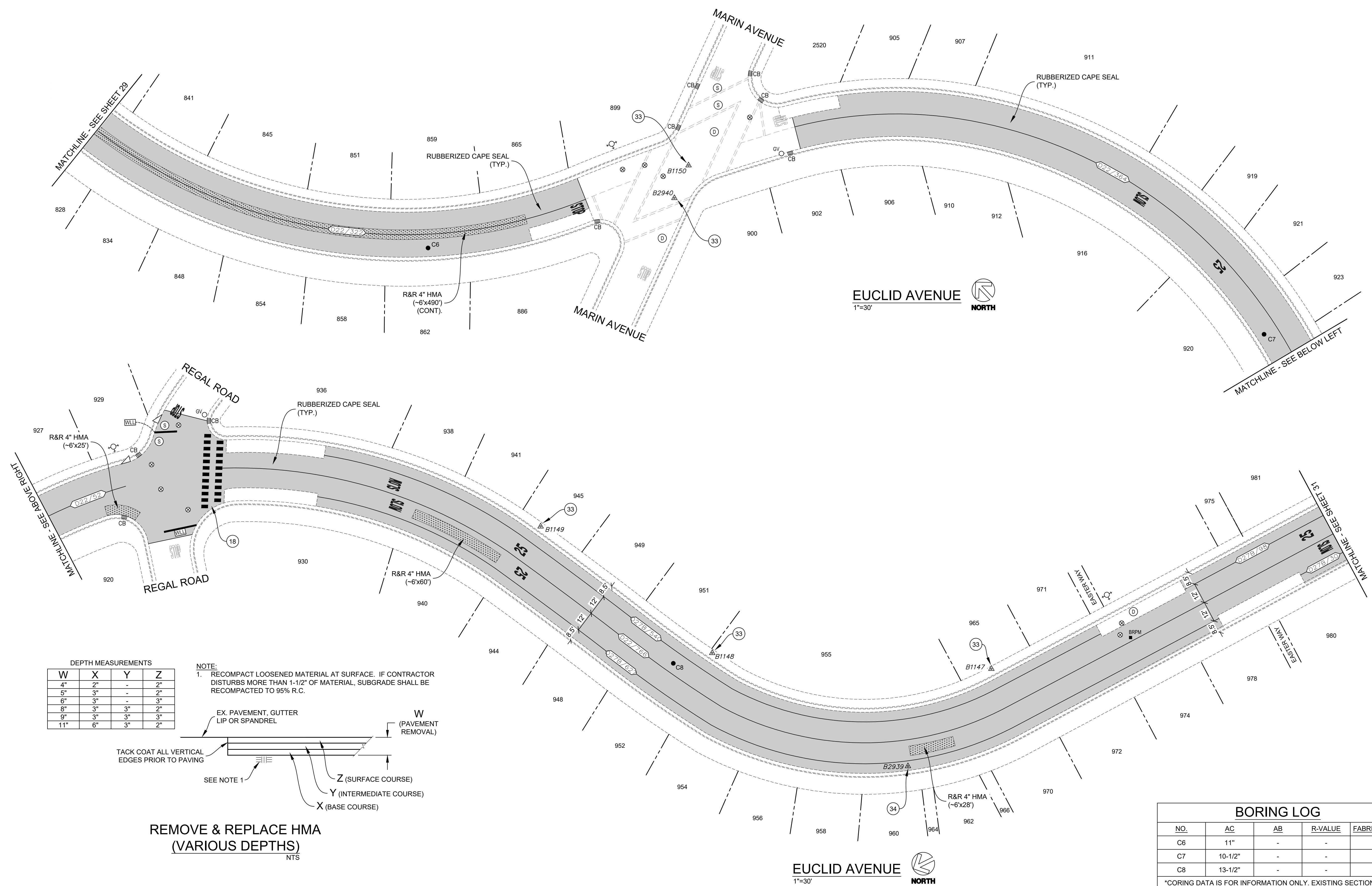
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=30'
_____	_____	_____	DRAWN: AB	VERT.: N/A
_____	_____	_____	CHECK: -	BOOK: _____
_____	_____	_____	AS BUILT: _____	DATE: 4-29-24

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
EUCLID AVENUE  
GRIZZLY PEAK BOULEVARD TO  
CRAGMONT AVENUE

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

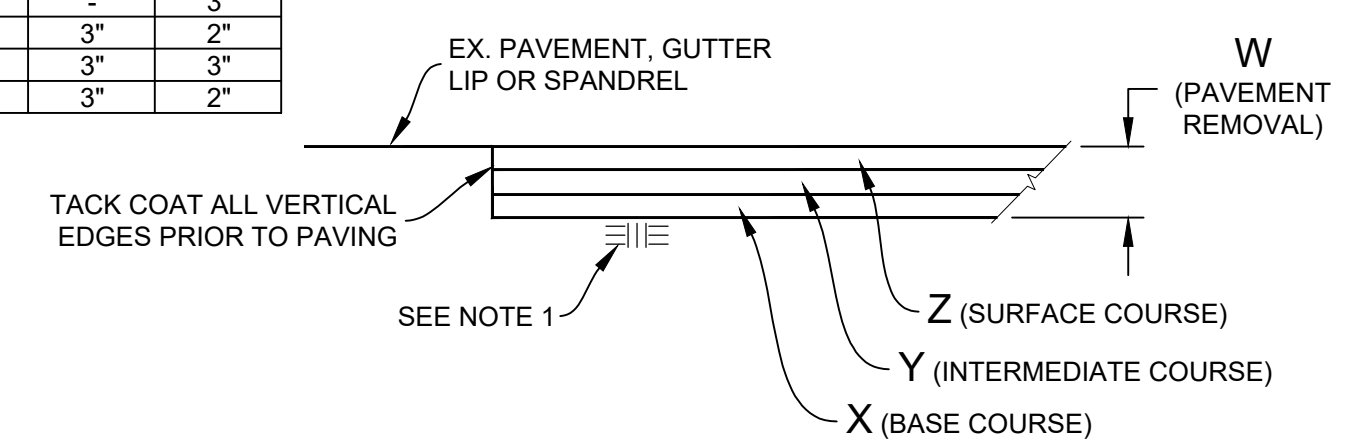
PLAN 8284  
FILE 501-641  
SHEET 29 OF 63



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	2"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- 18 REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- 33 SURVEY MONUMENT; PROTECT IN PLACE.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).



**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C6	11"	-	-	N
C7	10-1/2"	-	-	N
C8	13-1/2"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

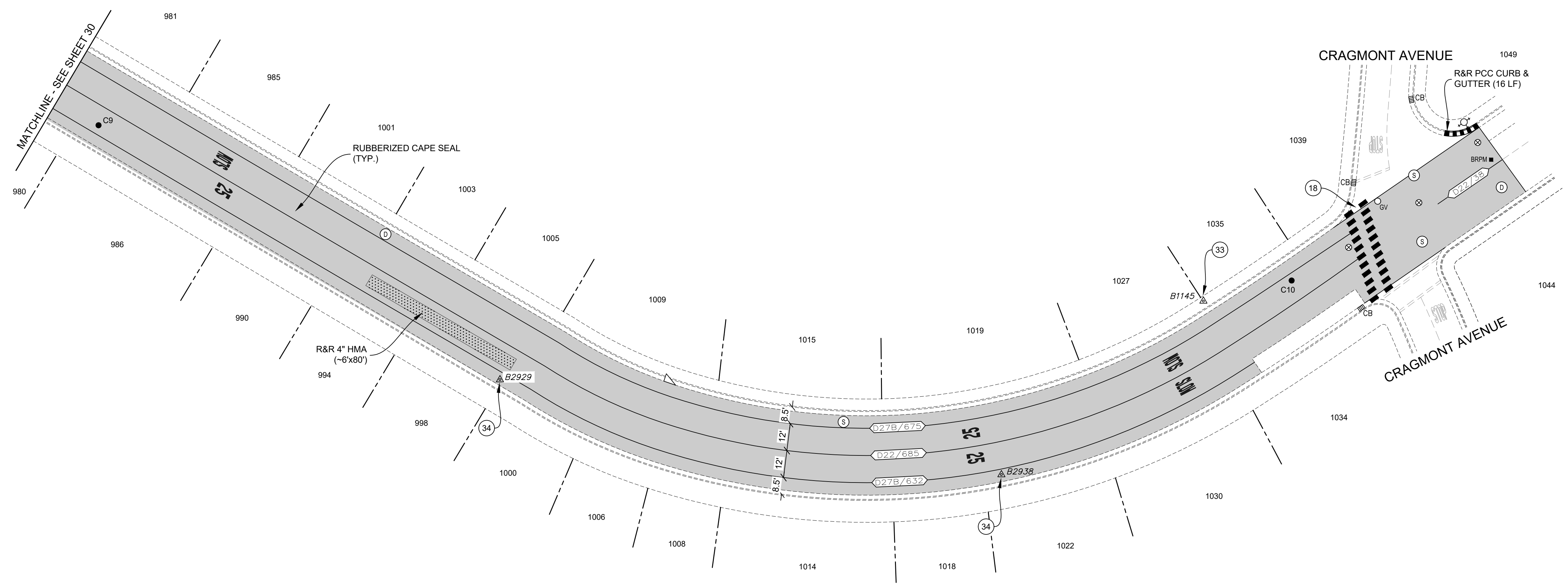
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=30'</u>
_____	SURVEY CHIEF OF PARTY: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>AB</u>	VERT.: <u>N/A</u>
_____	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
_____	_____	CITY ENGINEER: _____ DATE _____	AS BUILT: _____	DATE: <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
EUCLID AVENUE  
GRIZZLY PEAK BOULEVARD TO  
CRAGMONT AVENUE

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8284  
FILE 501-641  
SHEET 30 OF 63

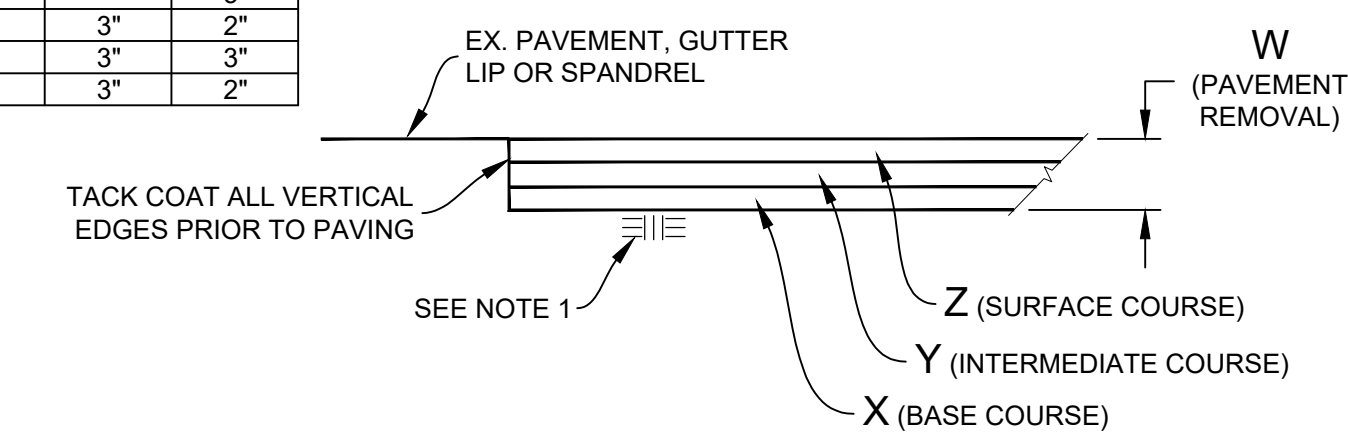


**EUCLID AVENUE**  
1"=30'

**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

**NOTE:**  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- (18) REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- (33) SURVEY MONUMENT, PROTECT IN PLACE.
- (34) SURVEY MONUMENT, REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

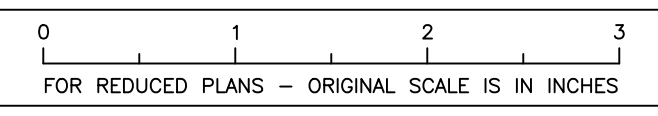
**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C9	12"	-	-	N
C10	13"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=30'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>AB</u>	VERT.: <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE: <u>4-29-24</u>

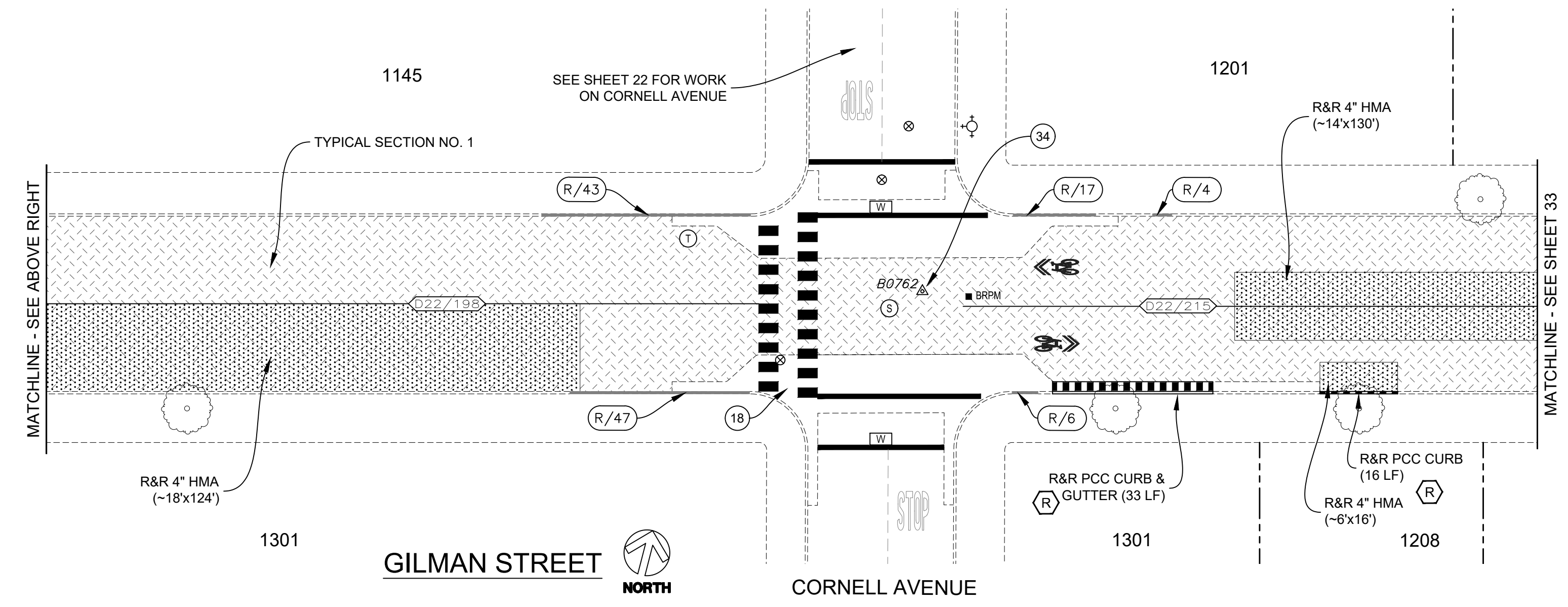
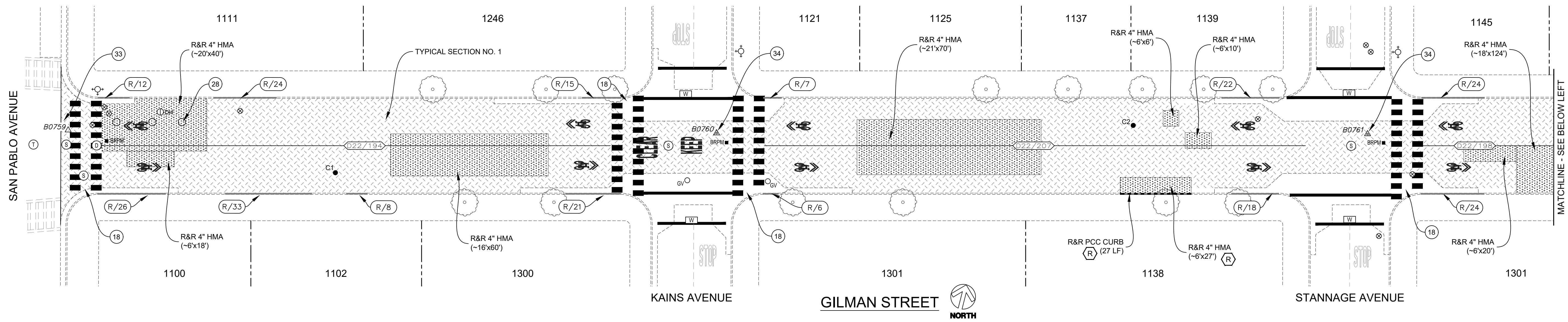


**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
EUCLID AVENUE  
GRIZZLY PEAK BOULEVARD TO  
CRAGMONT AVENUE

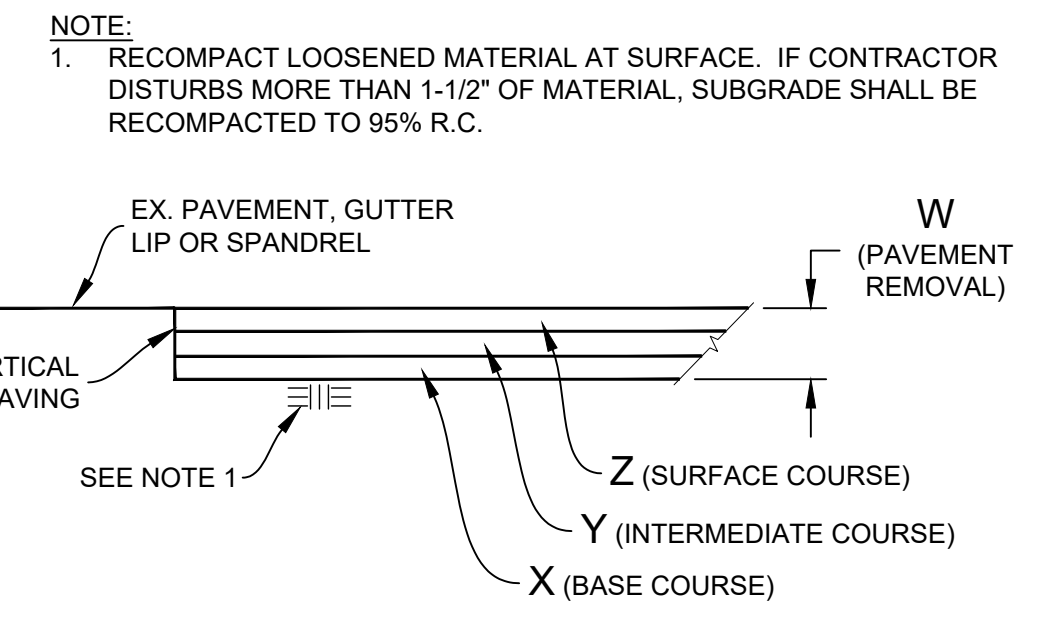
PLAN 8284  
FILE 501-641  
SHEET 31 OF 63

NO.	DATE	MARK	REVISION	DESCRIPTION	APPROVAL



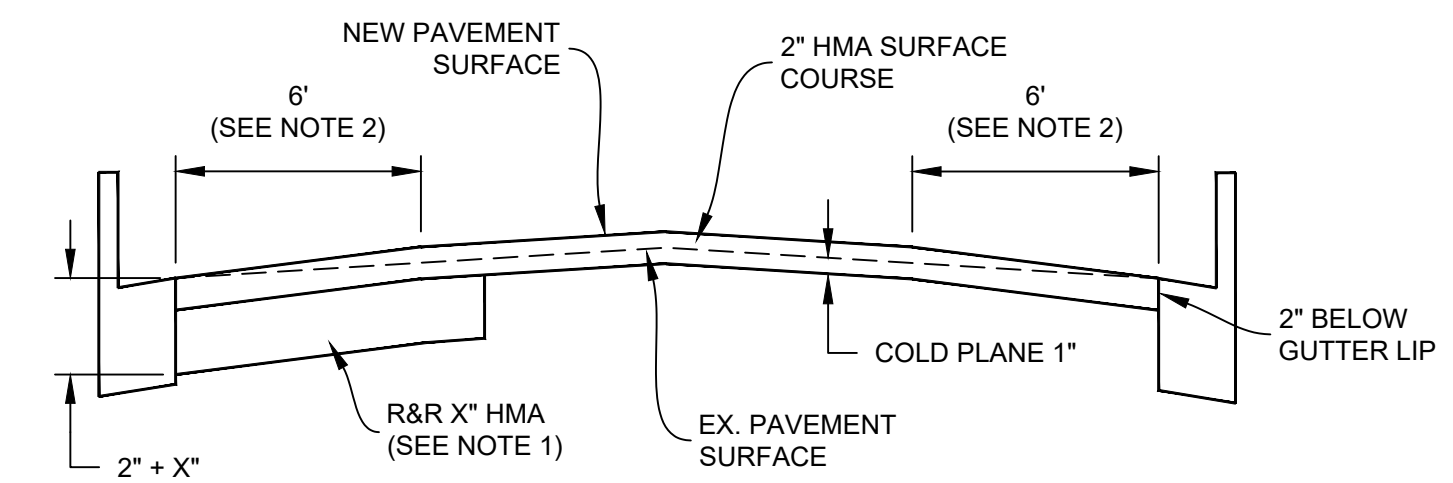
DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

- NOTES:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EX. PAVEMENT SURFACE.  
2. TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 6' FROM GUTTER LIP OR LONGITUDINAL LIMIT.  
3. TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 10' FROM TRANSVERSE LIMIT.



**TYPICAL SECTION NO. 1**  
NTS

**CONSTRUCTION NOTES:**

- (18) REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO), TYP.
- (28) REMOVE & REPLACE DETECTOR LOOPS (3 EA).
- (33) SURVEY MONUMENT; PROTECT IN PLACE.
- (34) SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	4-1/2"	10"	10	N
C2	4"	8"	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

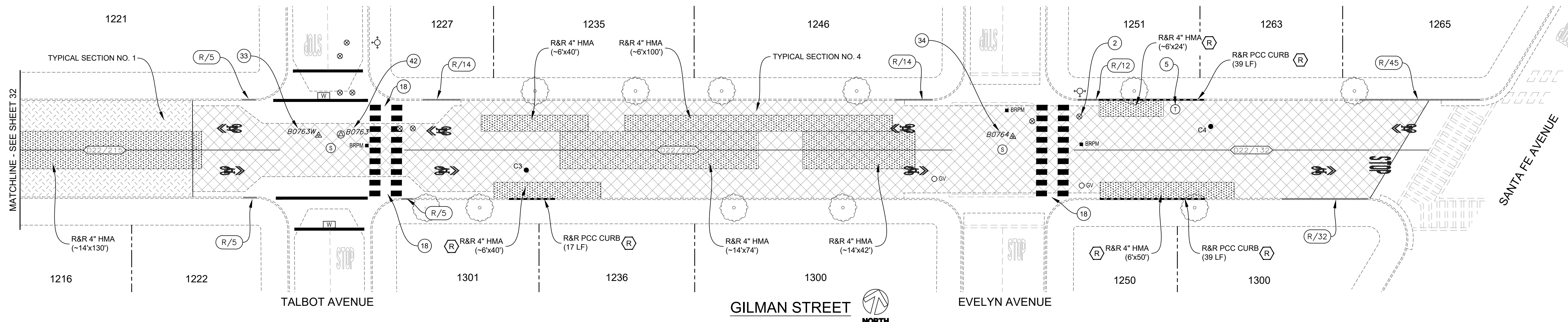


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 GILMAN STREET SAN PABLO AVENUE TO SANTA FE AVENUE	PLAN <u>8284</u>	
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>			FILE <u>501-641</u>	
APPROVED: _____	CITY ENGINEER _____	CHECK: <u>Value</u>	AS BUILT _____	BOOK _____			REVISION _____	MARK _____
DATE _____	DATE _____	EXP. _____	DATE _____	DATE <u>4-29-24</u>			REVISION _____	MARK _____

FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

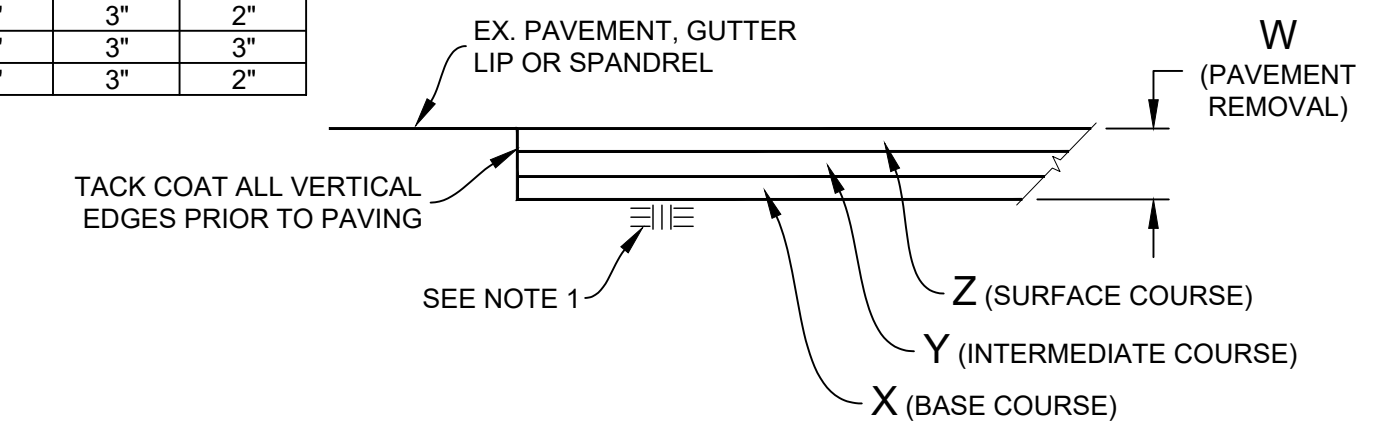




DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2' OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 5 UTILITY COVER; PROTECT IN PLACE.
- 18 REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO), TYP.
- 33 SURVEY MONUMENT; PROTECT IN PLACE.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).
- 42 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD SURFACE STREET MONUMENT.

**MISCELLANEOUS NOTE:**

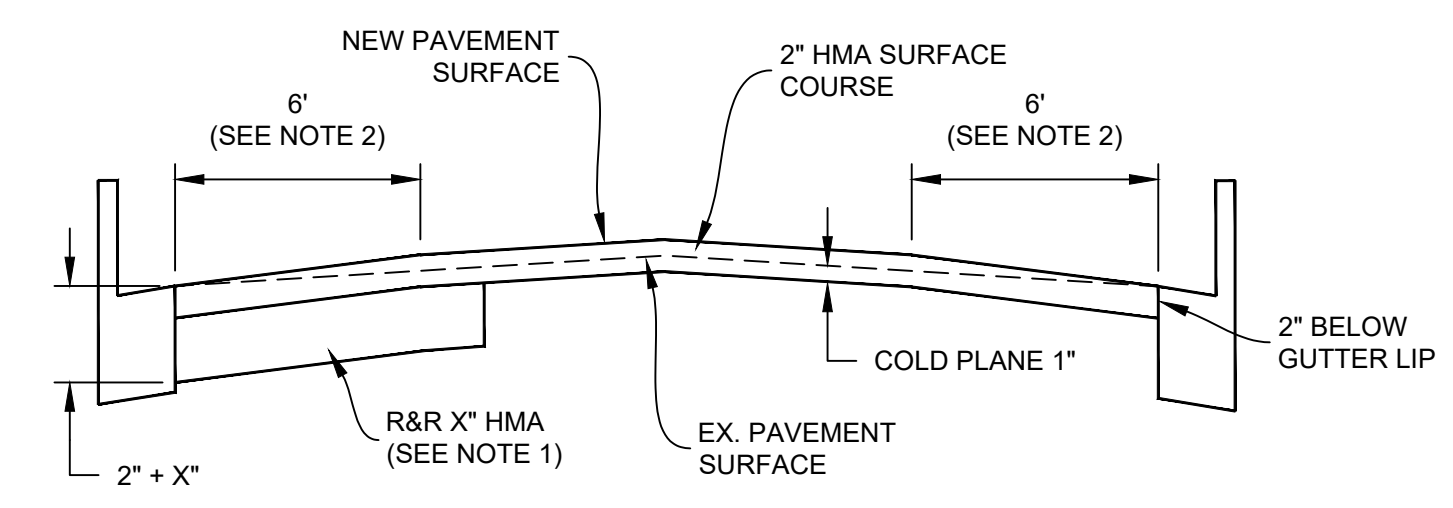
- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	5"	13"	9	N
C4	5"	14"	-	N

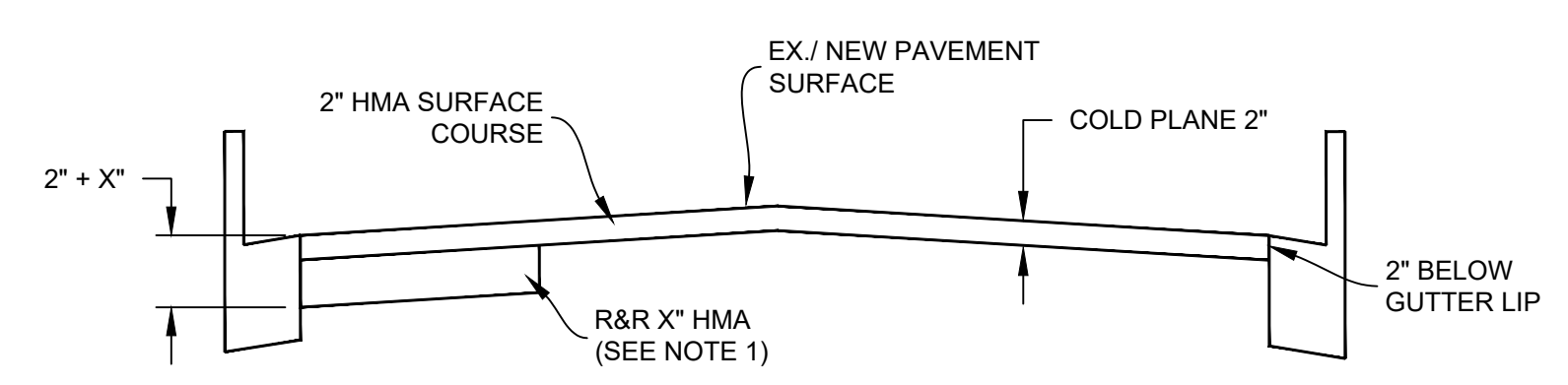
\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

- NOTES:**
- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EX. PAVEMENT SURFACE.
  - TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 6' FROM GUTTER LIP OR LONGITUDINAL LIMIT.
  - TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 10' FROM TRANSVERSE LIMIT.



**TYPICAL SECTION NO. 1**  
NTS

- NOTE:**
- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER MILLING, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.



**TYPICAL SECTION NO. 4**  
NTS



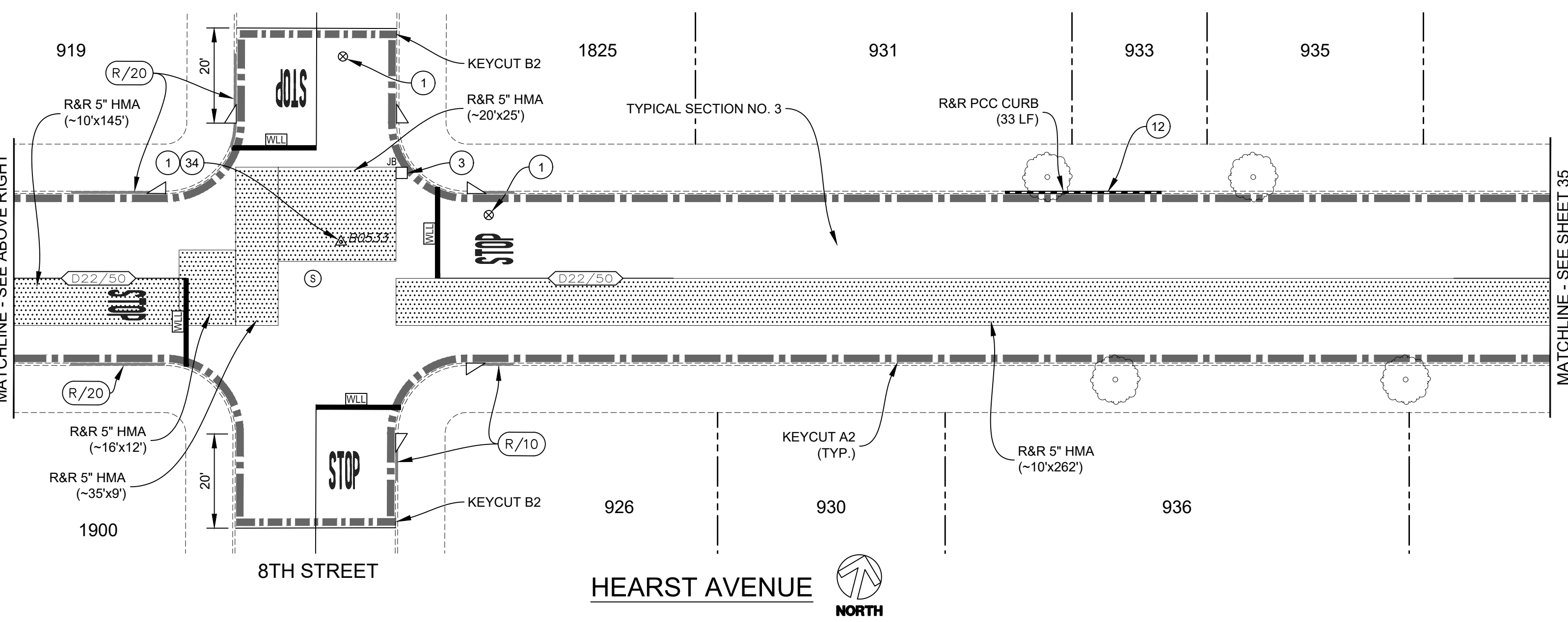
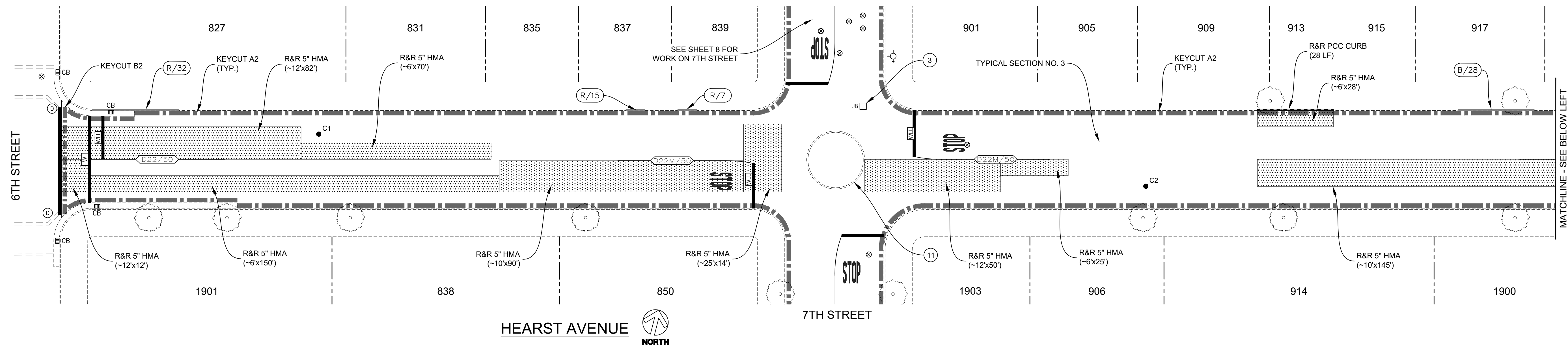
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=20'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: BM	VERT.: N/A
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER: _____	APPROVED: _____	CHECK: _____	BOOK: _____
			AS BUILT: _____	DATE: 4-29-24

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

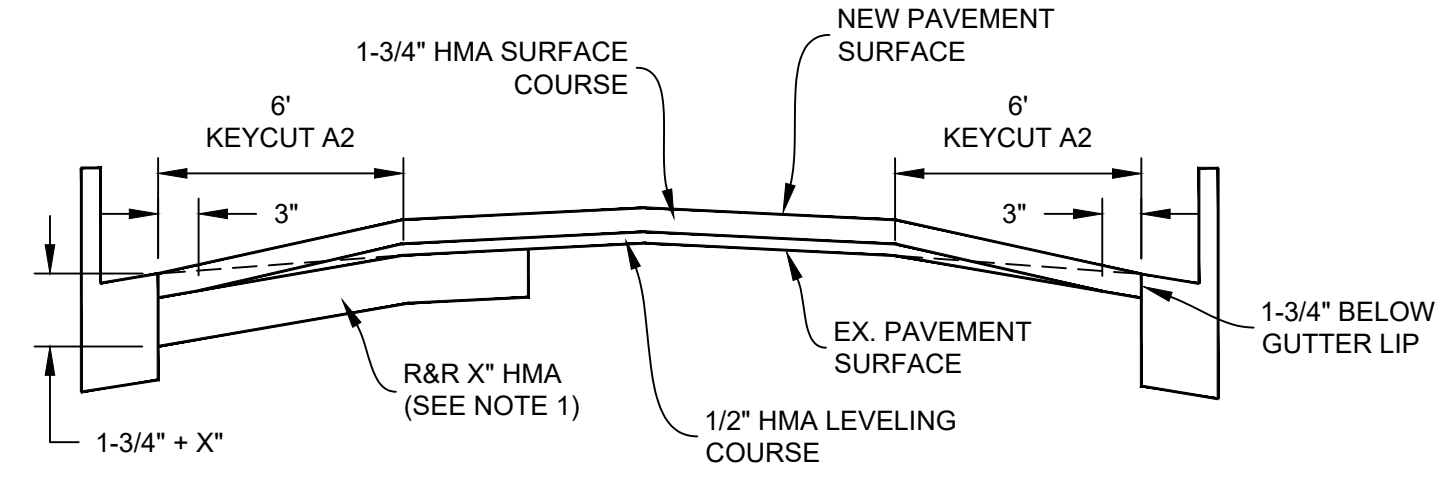
**STREET REHABILITATION FY 2024**  
GILMAN STREET  
SAN PABLO AVENUE TO SANTA FE AVENUE

PLAN	8284
FILE	501-641
SHEET	33 OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0\"/>

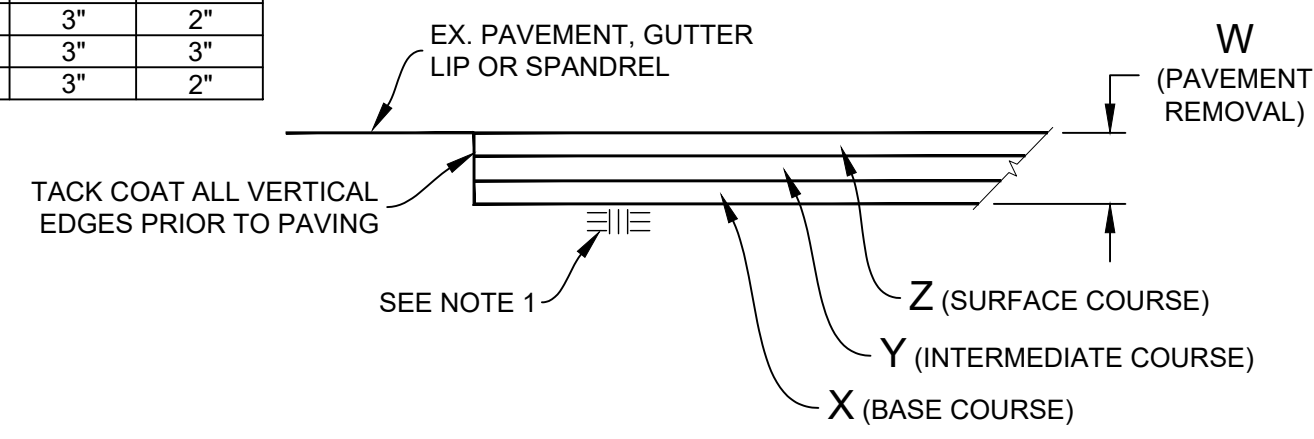


**TYPICAL SECTION NO. 3**  
NTS

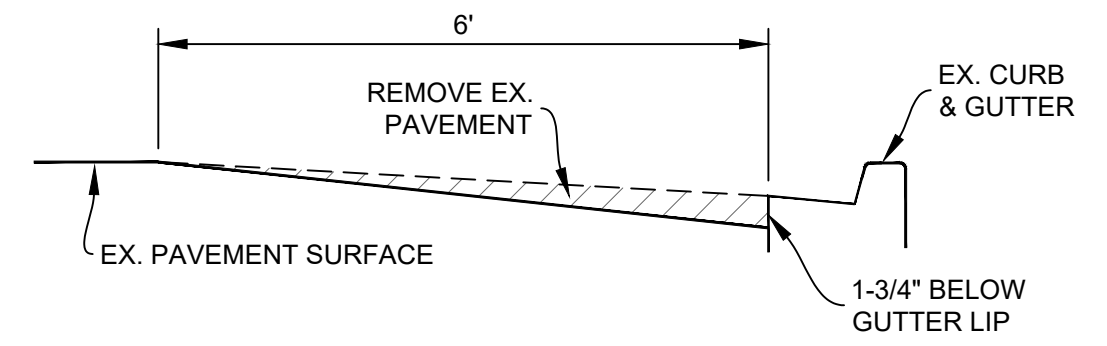
**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

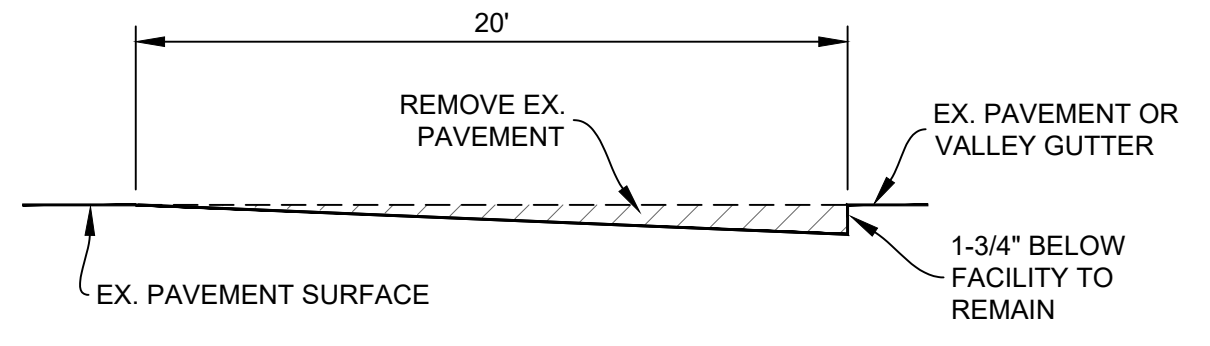
**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**KEYCUT A2 LONGITUDINAL KEYCUT**  
NTS



**KEYCUT B2 TRANSVERSE KEYCUT**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ③ JUNCTION BOX; PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- ⑪ PAVE AGAINST MEDIAN CURB FACE.
- ⑫ REMOVE & REPLACE SIDEWALK UNDERDRAIN PER CITY STANDARD DETAIL 8154, "SIDEWALK UNDERDRAIN".
- ⑭ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	3"	5"	-	Y
C2	5"	5"	10	Y
C3	3"	4-1/2"	8	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



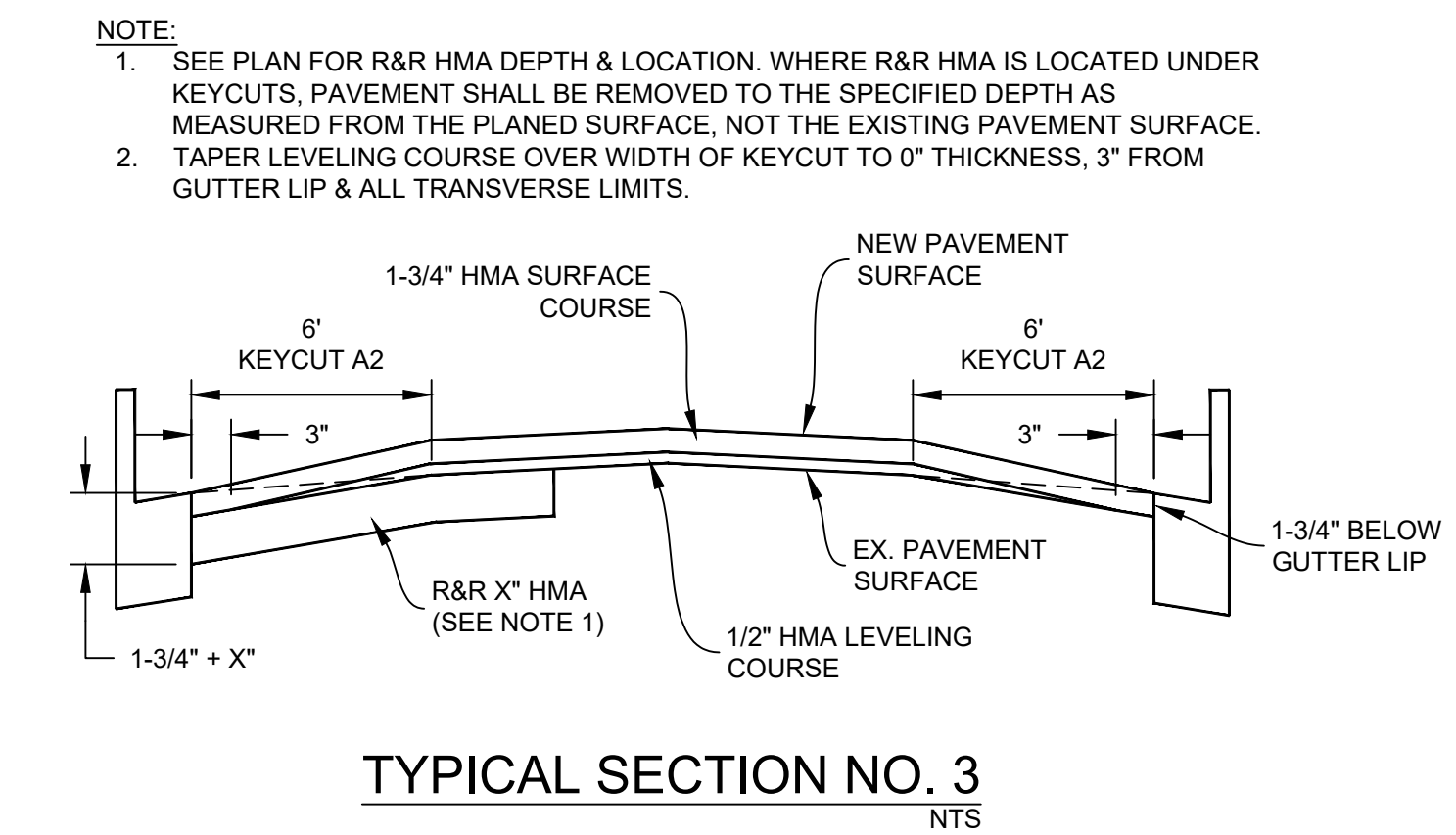
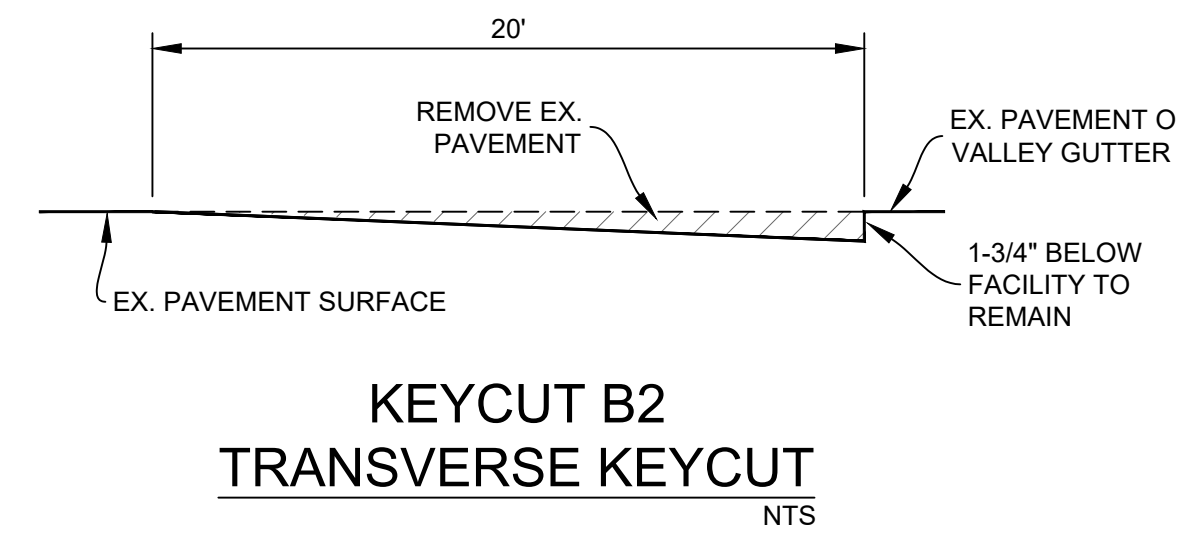
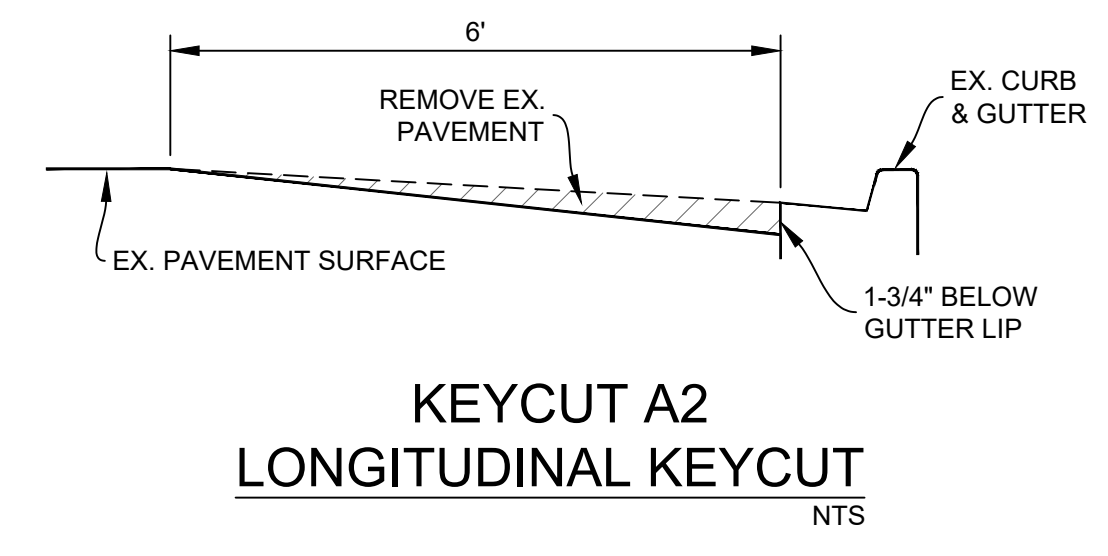
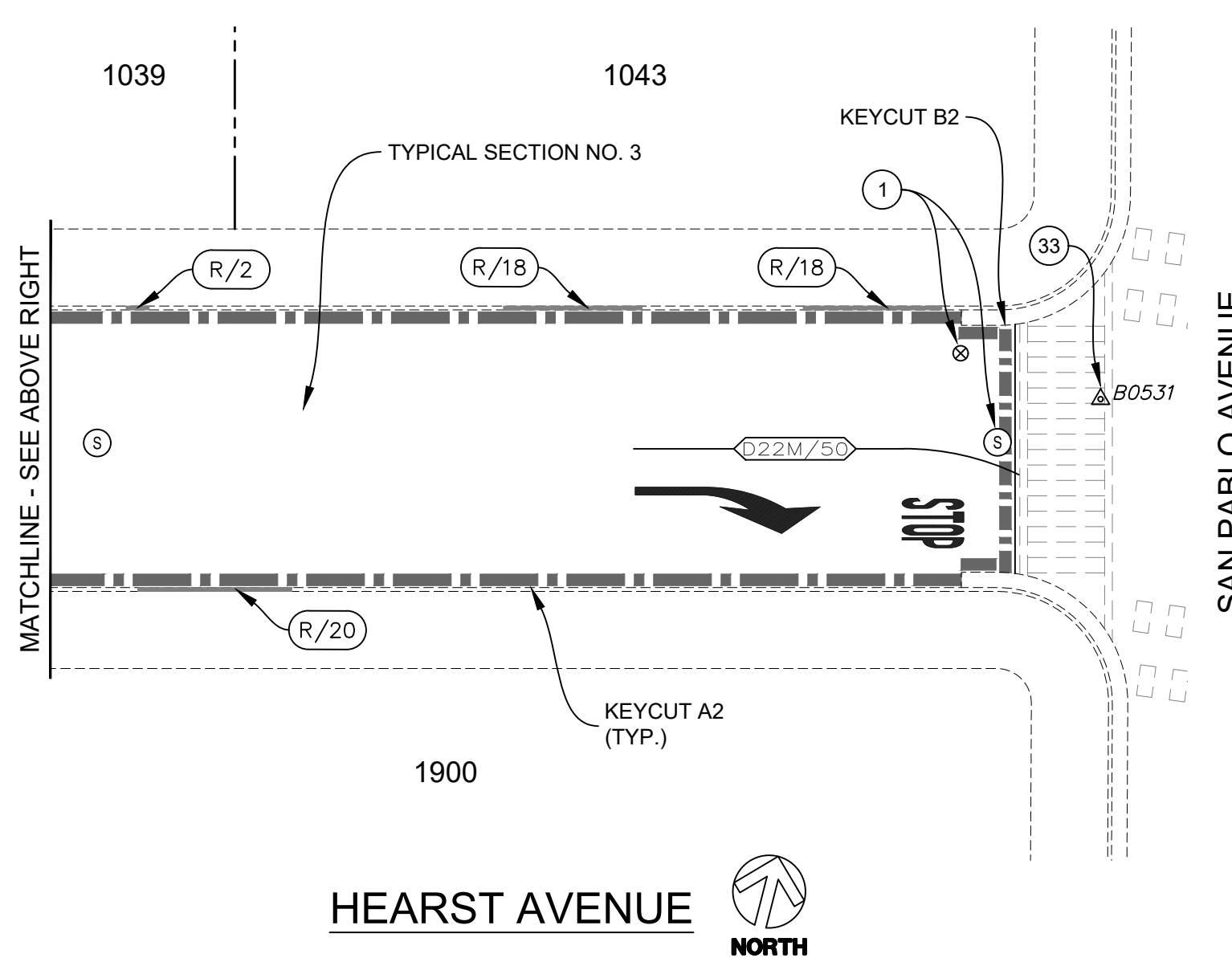
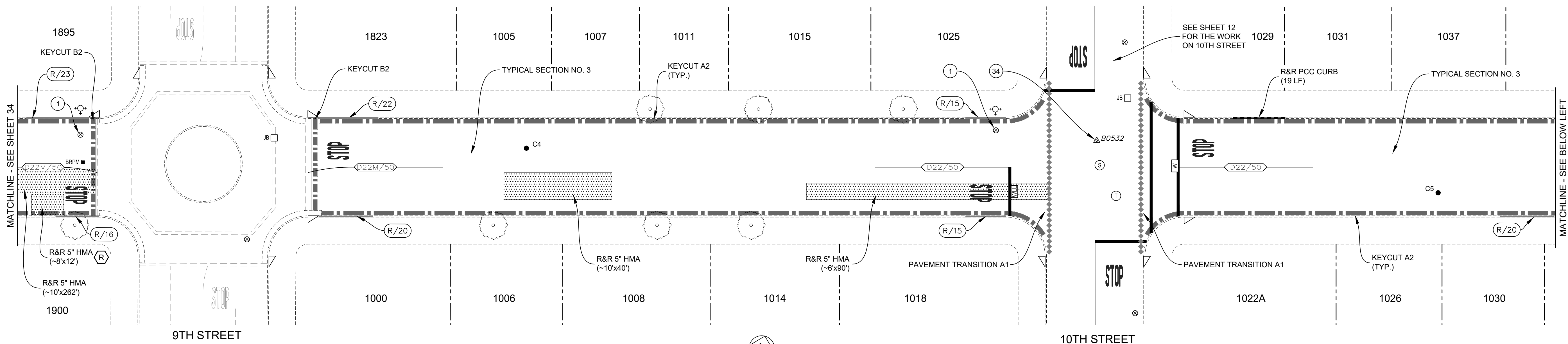
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: <u>-</u>	BOOK _____
		CITY ENGINEER: _____ DATE _____	AS BUILT: _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
HEARST AVENUE  
SIXTH STREET TO SAN PABLO AVENUE

PLAN	8284
FILE	501-641
SHEET	34 OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

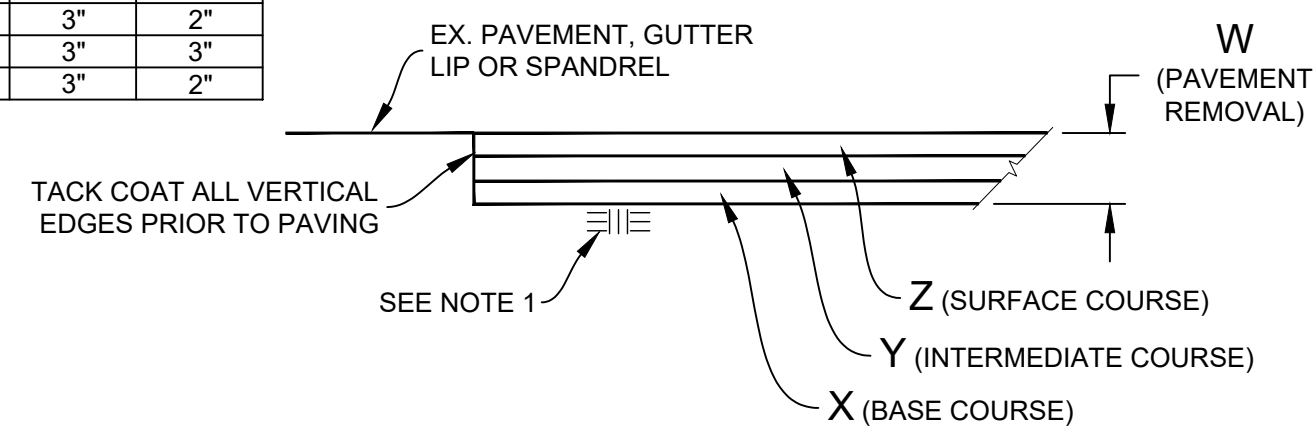


**NOTE:**  
 1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.  
 2. TAPER LEVELING COURSE OVER WIDTH OF KEYCUT TO 0" THICKNESS, 3" FROM GUTTER LIP & ALL TRANSVERSE LIMITS.

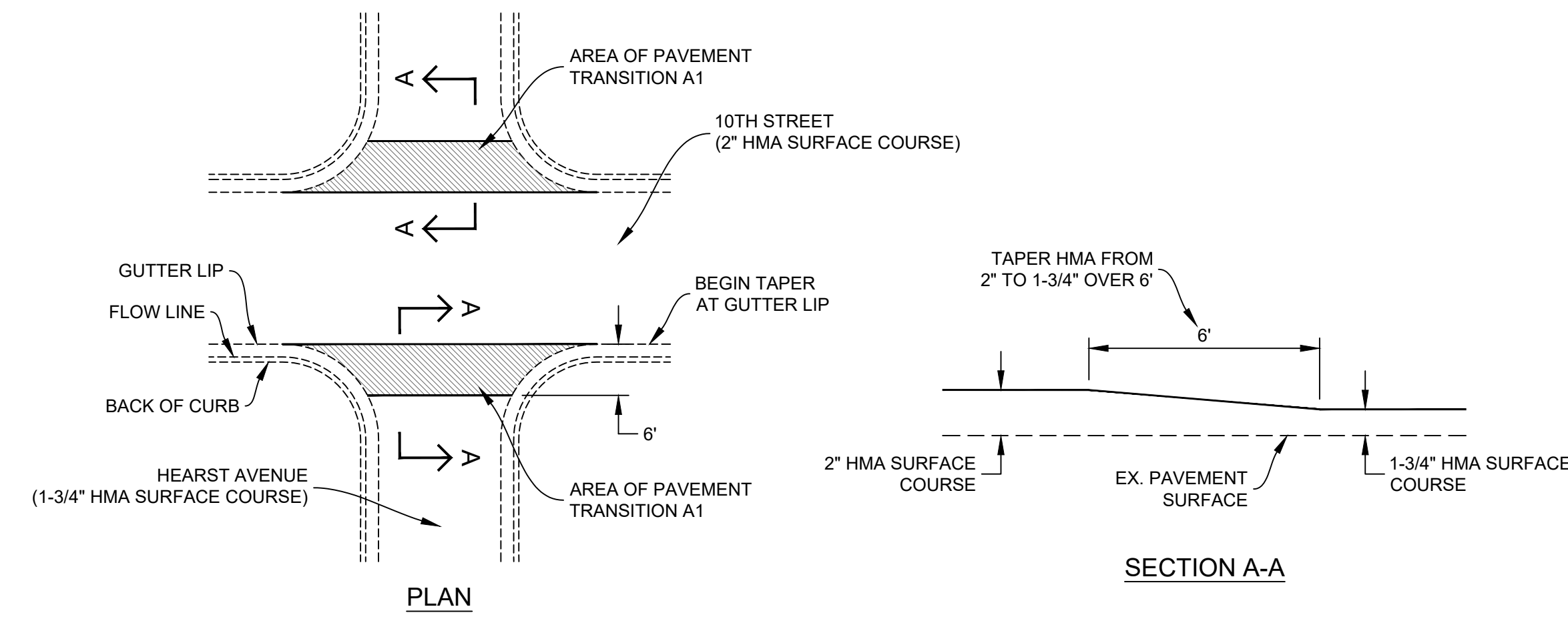
**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
 NTS



**PAVEMENT TRANSITION A1**  
 NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ③③ SURVEY MONUMENT; PROTECT IN PLACE.
- ③④ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

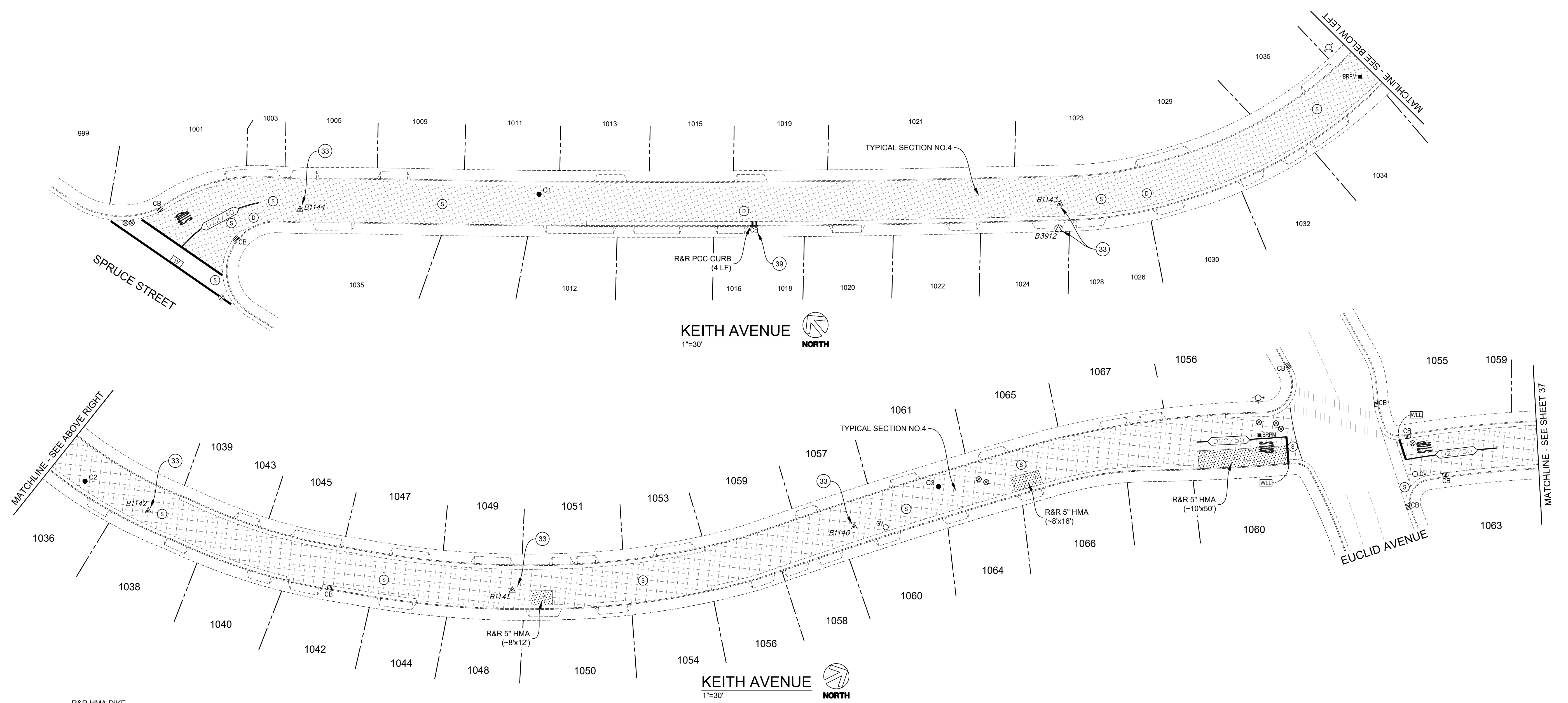
**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C4	3-1/2"	5"	-	Y
C5	5"	5"	9	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

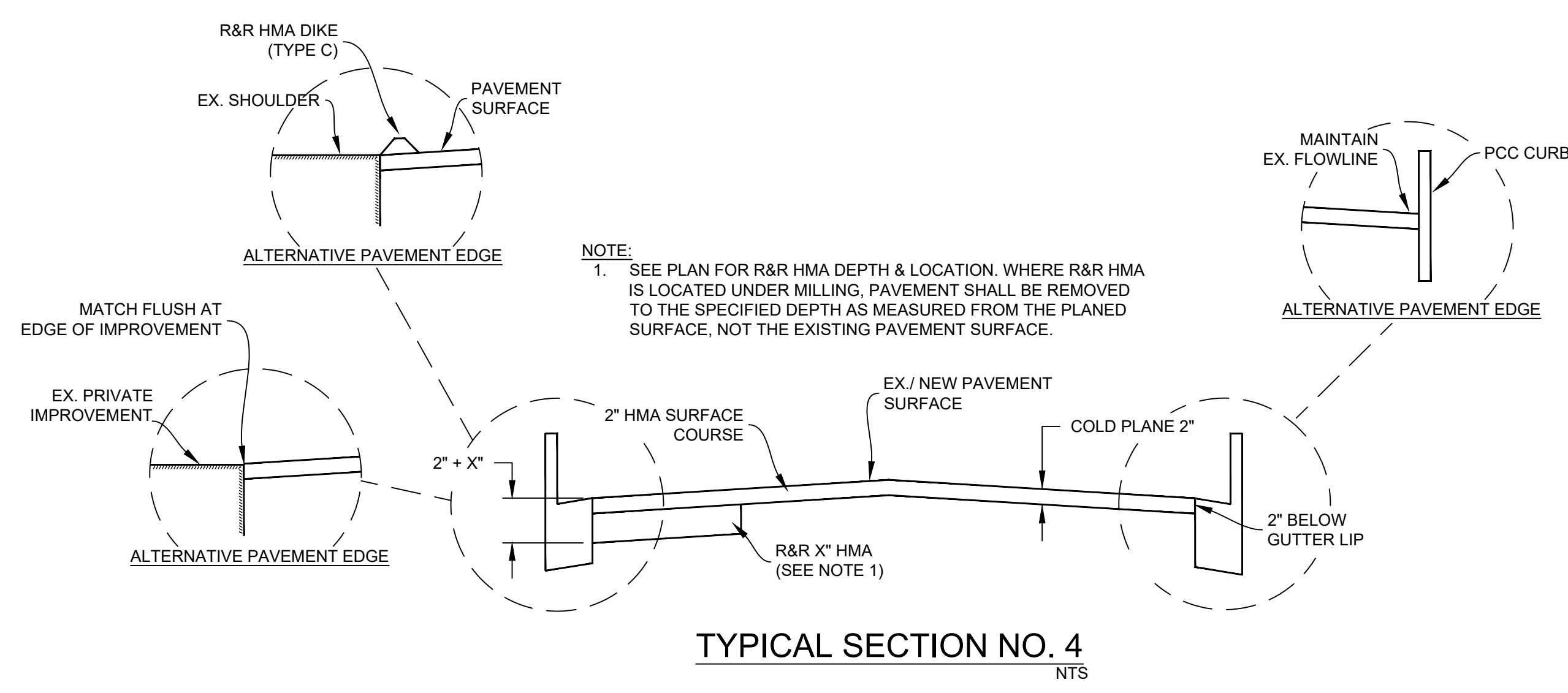


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 HEARST AVENUE SIXTH STREET TO SAN PABLO AVENUE	PLAN: <u>8284</u>	
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT.: <u>N/A</u>			FILE: <u>501-641</u>	
APPROVED: _____ DATE _____	CITY ENGINEER: _____ DATE _____	CHECK: <u>Value</u>	AS BUILT: _____	BOOK: _____			REVISION: _____	MARK: _____
DATE _____	DATE _____	R.C.E. _____	DATE _____	DATE: <u>4-29-24</u>			DATE: _____	DATE: _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES								



KEITH AVENUE  
1"=30'

KEITH AVENUE  
1"=30'

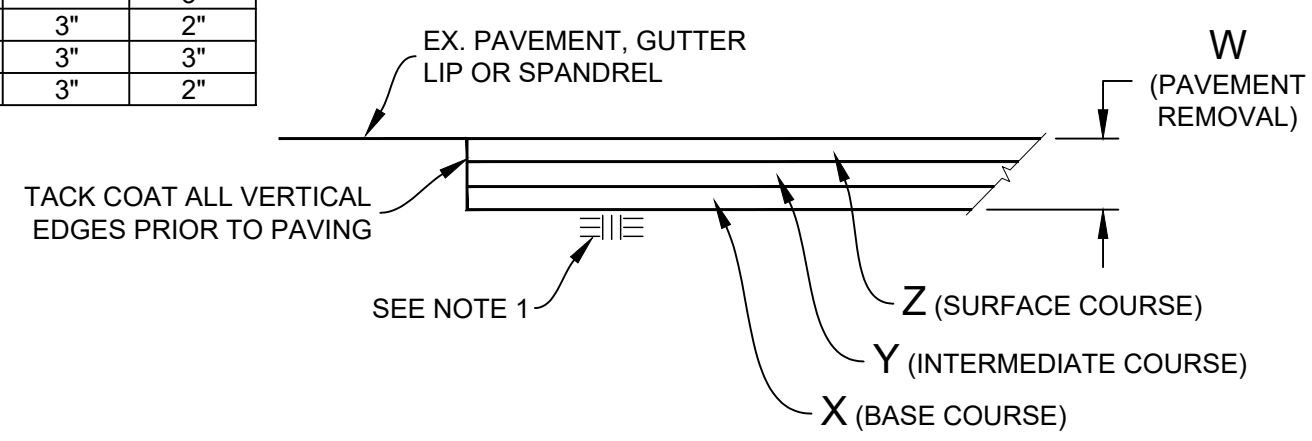


TYPICAL SECTION NO. 4  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

**CONSTRUCTION NOTES:**

- (33) SURVEY MONUMENT; PROTECT IN PLACE.
- (39) REMOVE & REPLACE PCC CURB. CURB SHALL BE CONSTRUCTED PER CITY OF BERKELEY STD PLAN 6166. NEW CURB SHALL BE DOWELED INTO EX. STRUCTURE (6" MIN.) W/ #4 BARS, 12" SPACING O.C. DOWELS SHALL BE PLACED IN 3/4" DIA. DRILLED HOLES W/ 1:1 SAND CEMENT GROUT.

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

BORING LOG				
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	4-1/2"	-	-	Y
C2	7-1/2"	-	-	Y
C3	6-1/2"	-	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



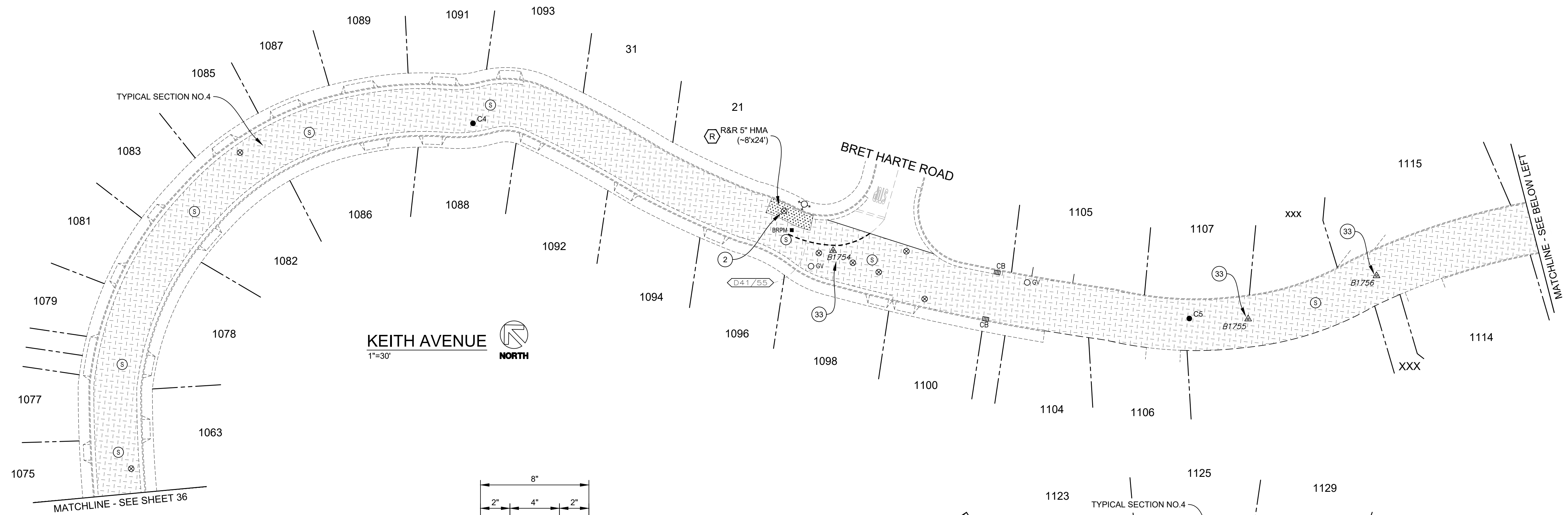
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SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>AB</u>	VERT. <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE <u>4-29-24</u>

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

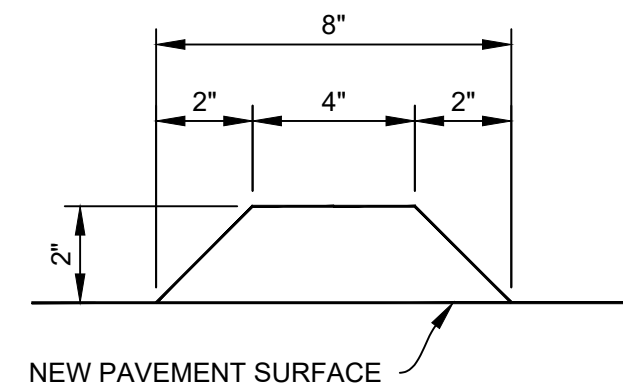
STREET REHABILITATION FY 2024  
KEITH AVENUE  
EUCLID AVENUE TO SHASTA ROAD

PLAN	8284
FILE	501-641
SHEET	36 OF 63

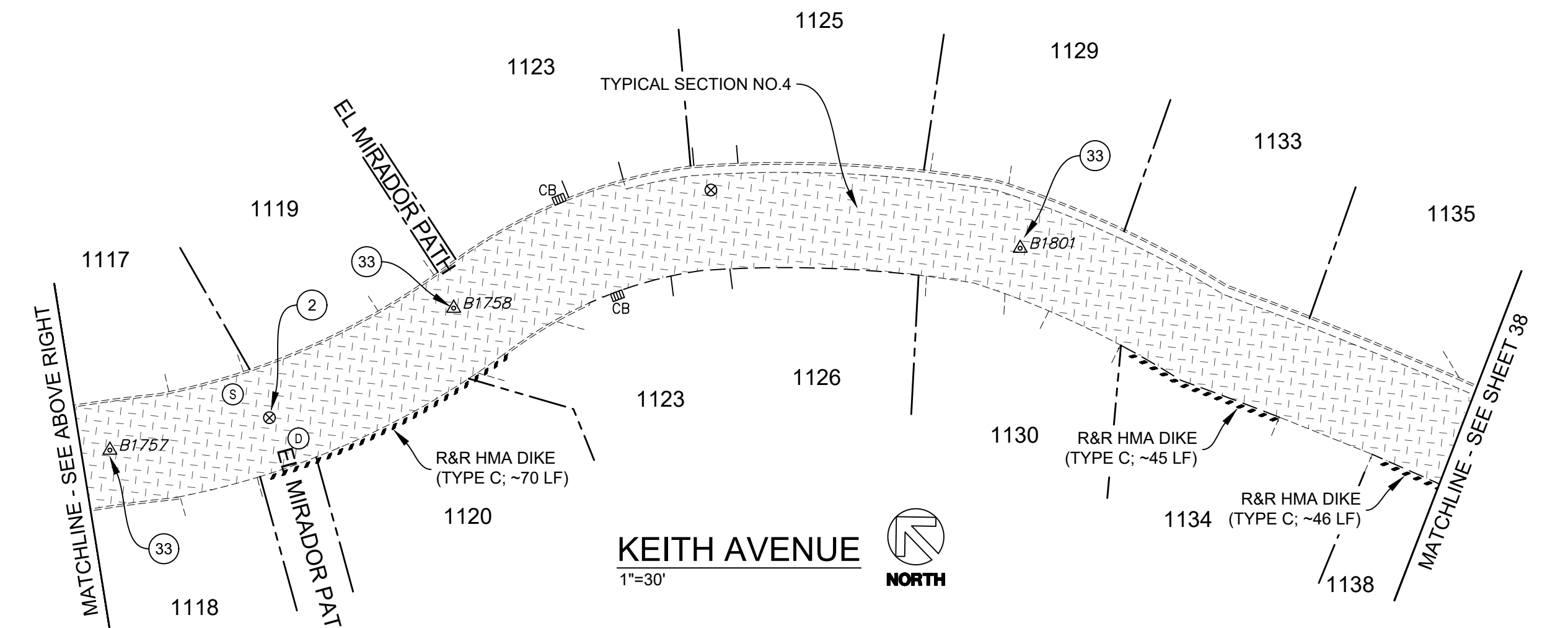
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



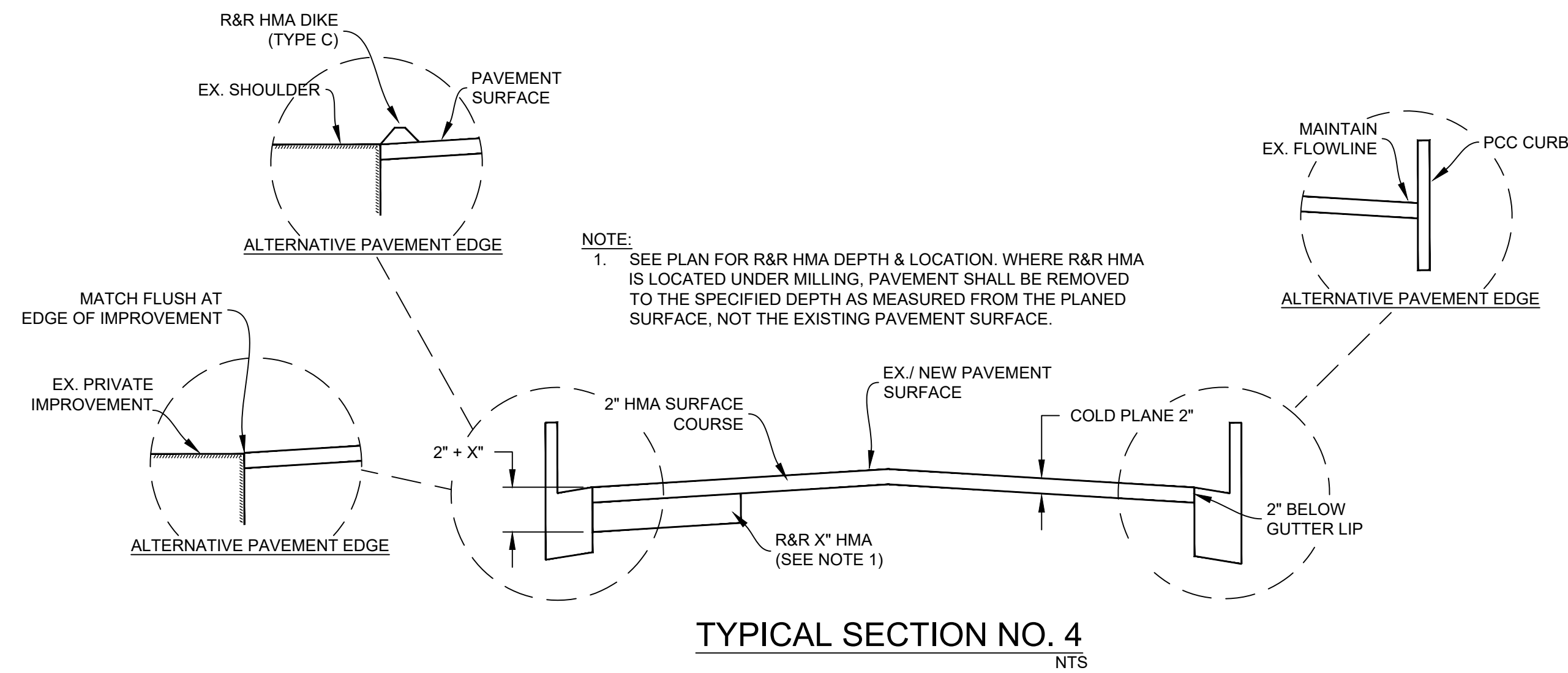
KEITH AVENUE  
1"=30'



HMA DIKE (TYPE C)  
NTS



KEITH AVENUE  
1"=30'

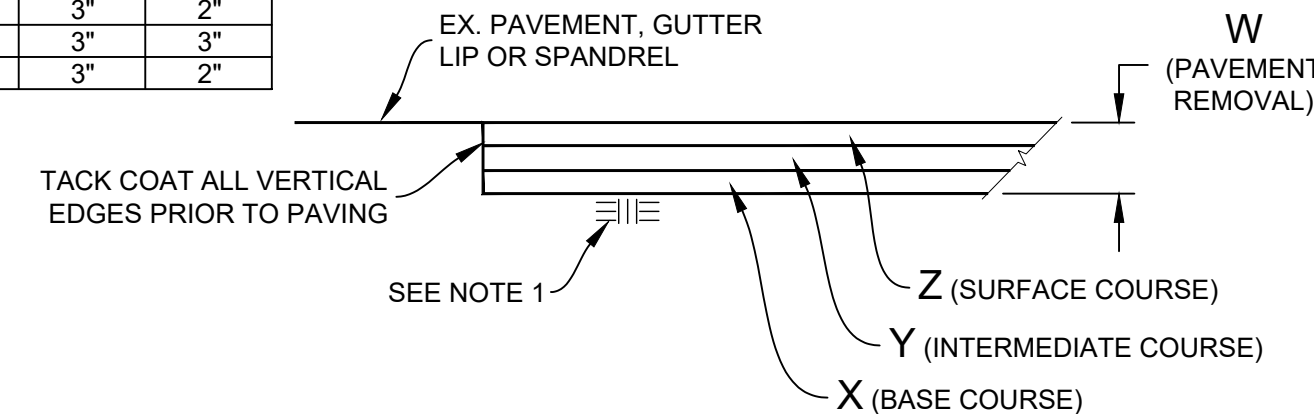


TYPICAL SECTION NO. 4  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

CONSTRUCTION NOTES:

- 2. INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 33. SURVEY MONUMENT; PROTECT IN PLACE.

MISCELLANEOUS NOTE:

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

BORING LOG

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C4	4-1/2"	-	-	Y
C5	4"	-	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



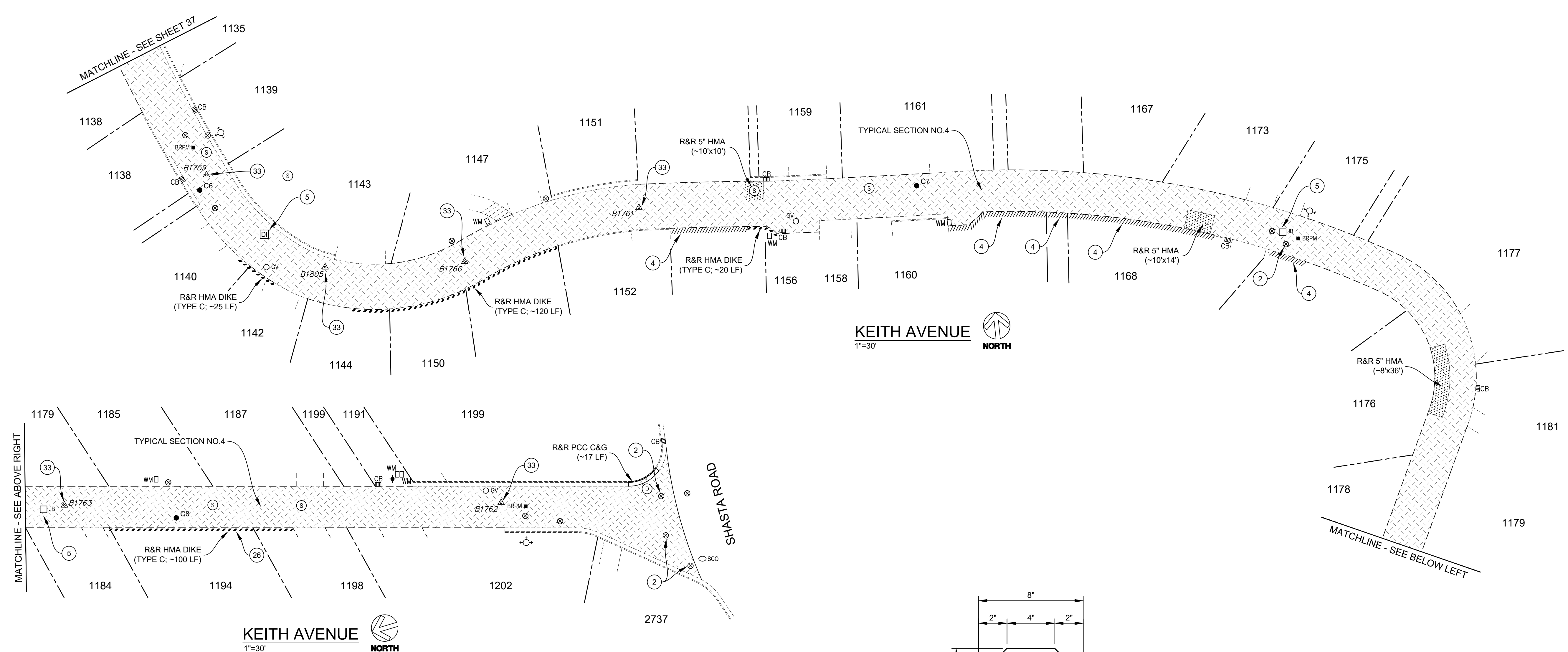
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=30'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: AB	VERT.: N/A
		APPROVED: _____ DATE _____	CHECK: -	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE: 4-29-24

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
KEITH AVENUE  
EUCLID AVENUE TO SHASTA ROAD

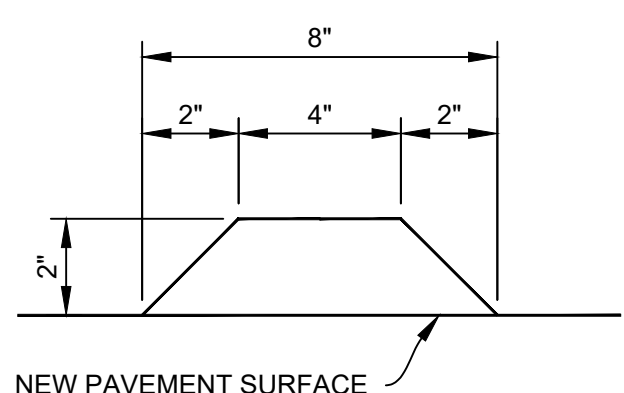
PLAN	8284
FILE	501-641
SHEET	37 OF 63

NO.	DESCRIPTION	DATE	MARK	REVISION



KEITH AVENUE  
1"=30'

KEITH AVENUE  
1"=30'

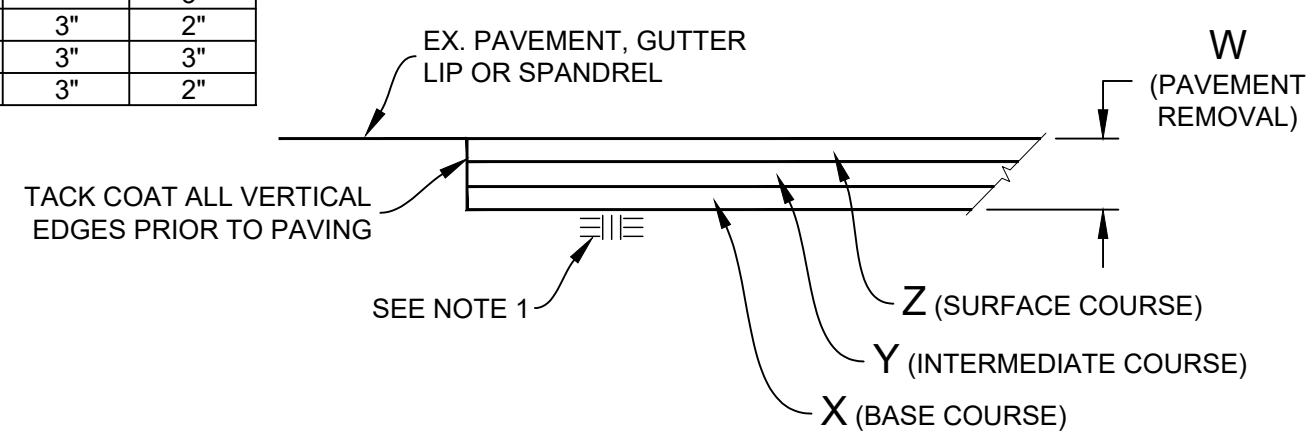


HMA DIKE (TYPE C)  
NTS

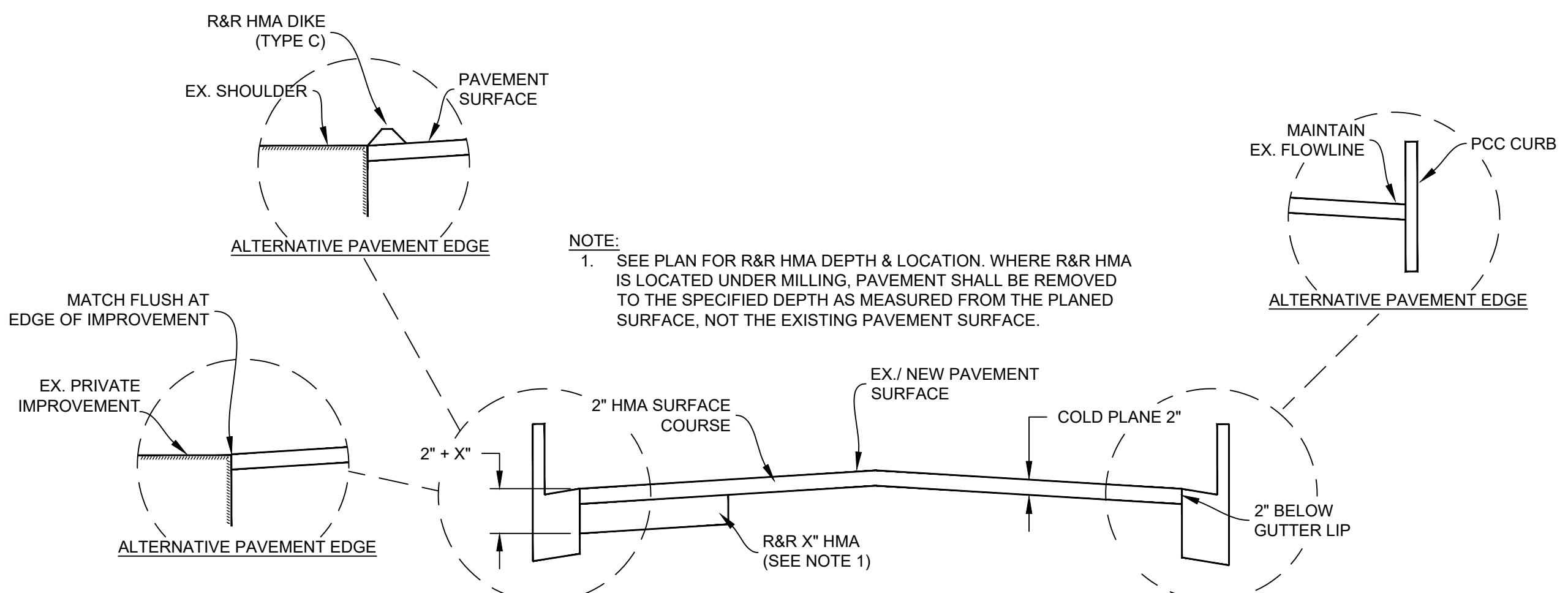
DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS



NOTE:  
1. SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER MILLING, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.

TYPICAL SECTION NO. 4  
NTS

CONSTRUCTION NOTES:

- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 4 PRIVATE IMPROVEMENT (BRICKS, ROCKS, WOOD POSTS, ETC); PROTECT IN PLACE OR RESTORE TO ORIGINAL CONDITION AFTER PAVING WORK IS COMPLETED.
- 5 UTILITY COVER; PROTECT IN PLACE.
- 26 REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.
- 33 SURVEY MONUMENT; PROTECT IN PLACE.

MISCELLANEOUS NOTE:

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

BORING LOG				
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C6	6"	-	-	Y
C7	6"	-	-	Y
C8	7"	-	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



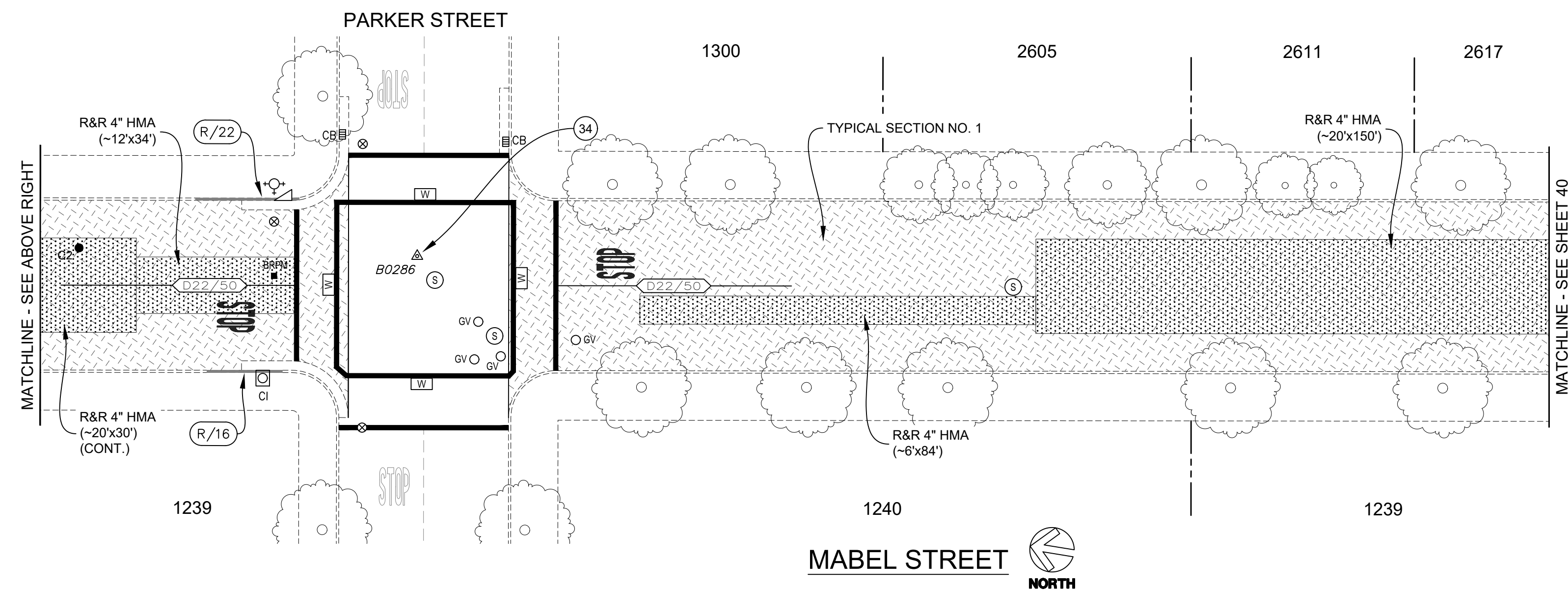
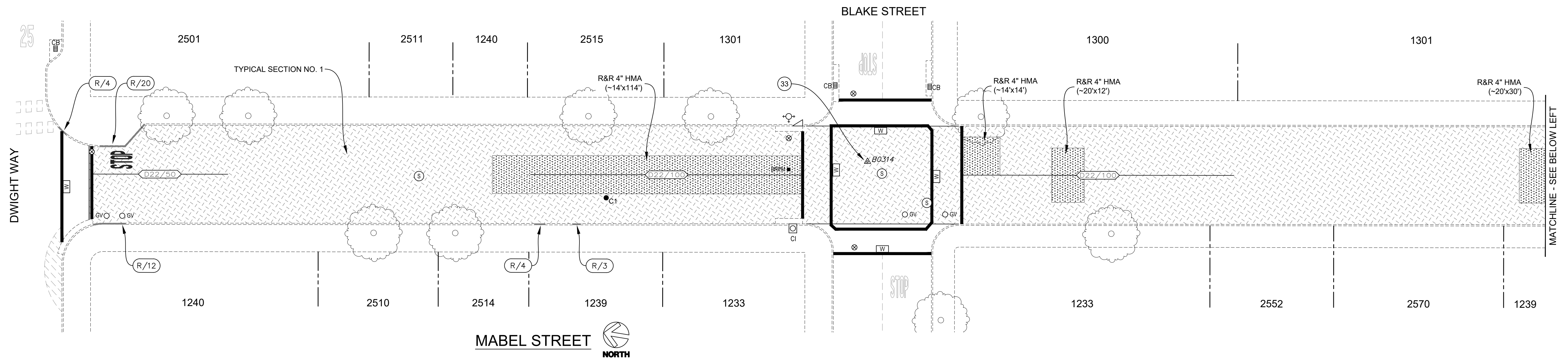
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=30'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ EXP. _____	DRAWN: AB	VERT.: N/A
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____ EXP. _____	AS BUILT: _____	DATE: 4-29-24

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

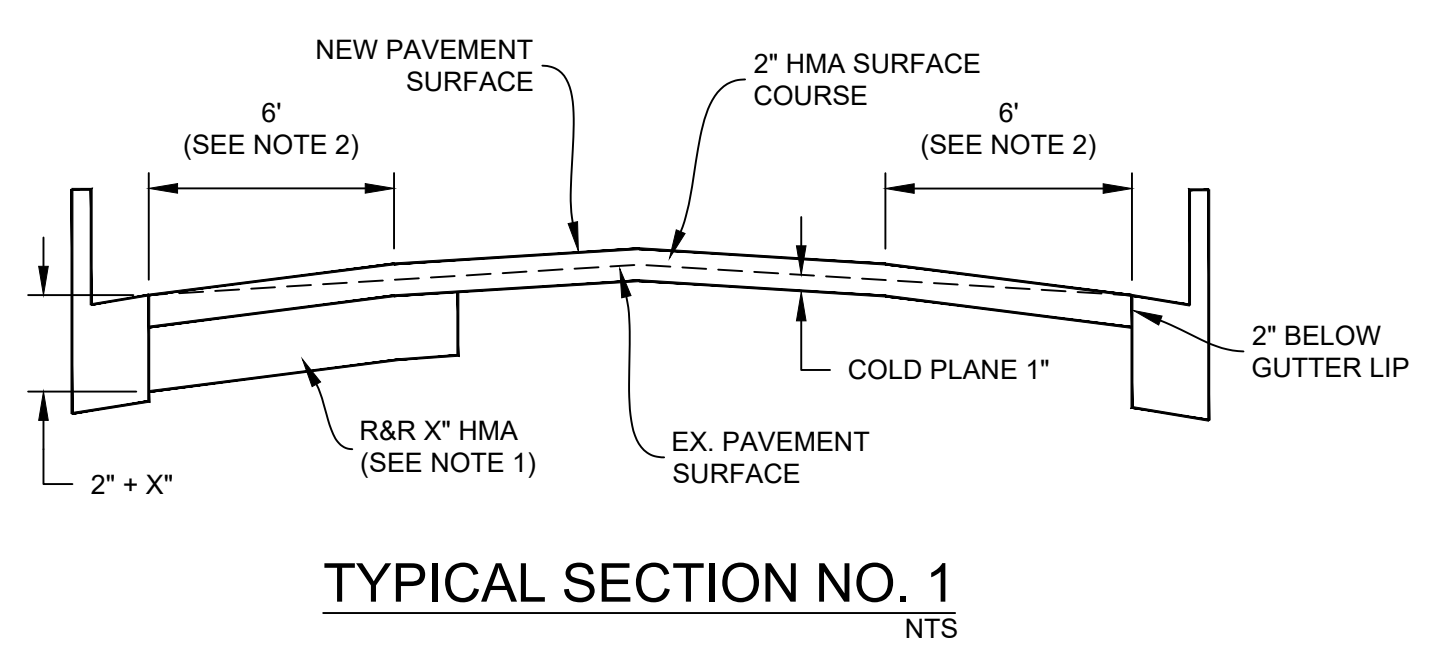
STREET REHABILITATION FY 2024  
KEITH AVENUE  
EUCLID AVENUE TO SHASTA ROAD

PLAN 8284  
FILE 501-641  
SHEET 38 OF 63

NO.	DESCRIPTION	DATE	MARK	REVISION	APPROVAL

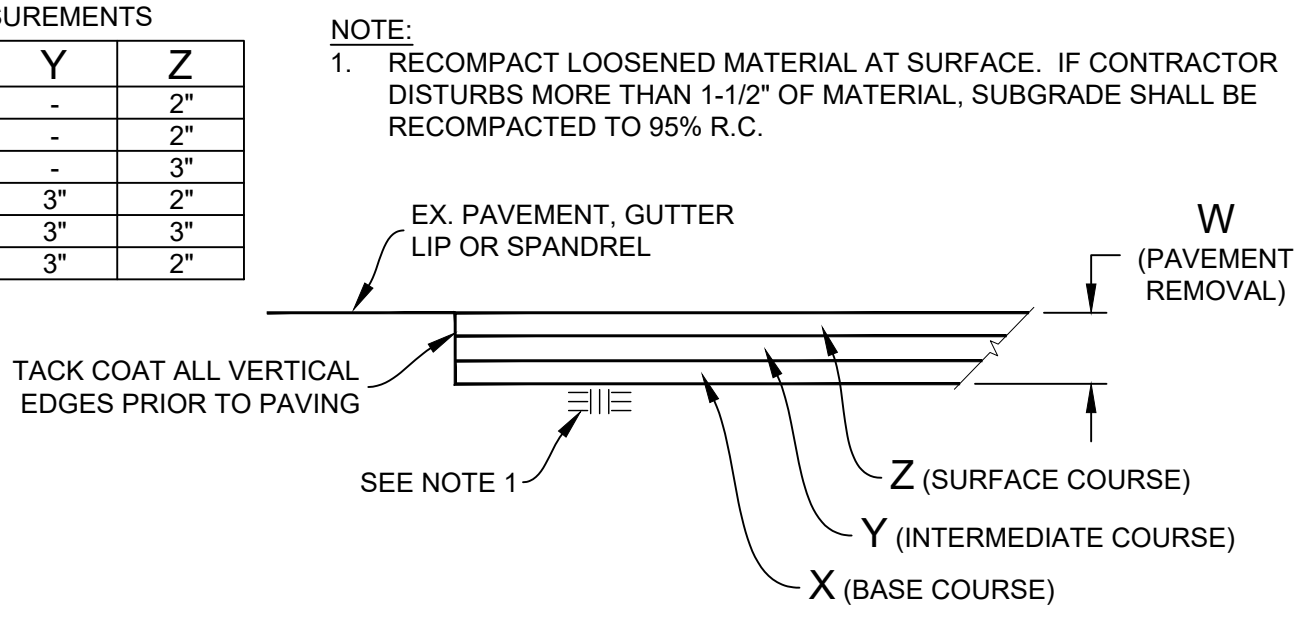


- NOTES:**
- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EX. PAVEMENT SURFACE.
  - TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 6' FROM GUTTER LIP OR LONGITUDINAL LIMIT.
  - TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 10' FROM TRANSVERSE LIMIT.



**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"



**CONSTRUCTION NOTES:**

- INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- SURVEY MONUMENT; PROTECT IN PLACE.
- SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	4"	5"	-	Y
C2	3-1/2"	5-1/2"	10	Y

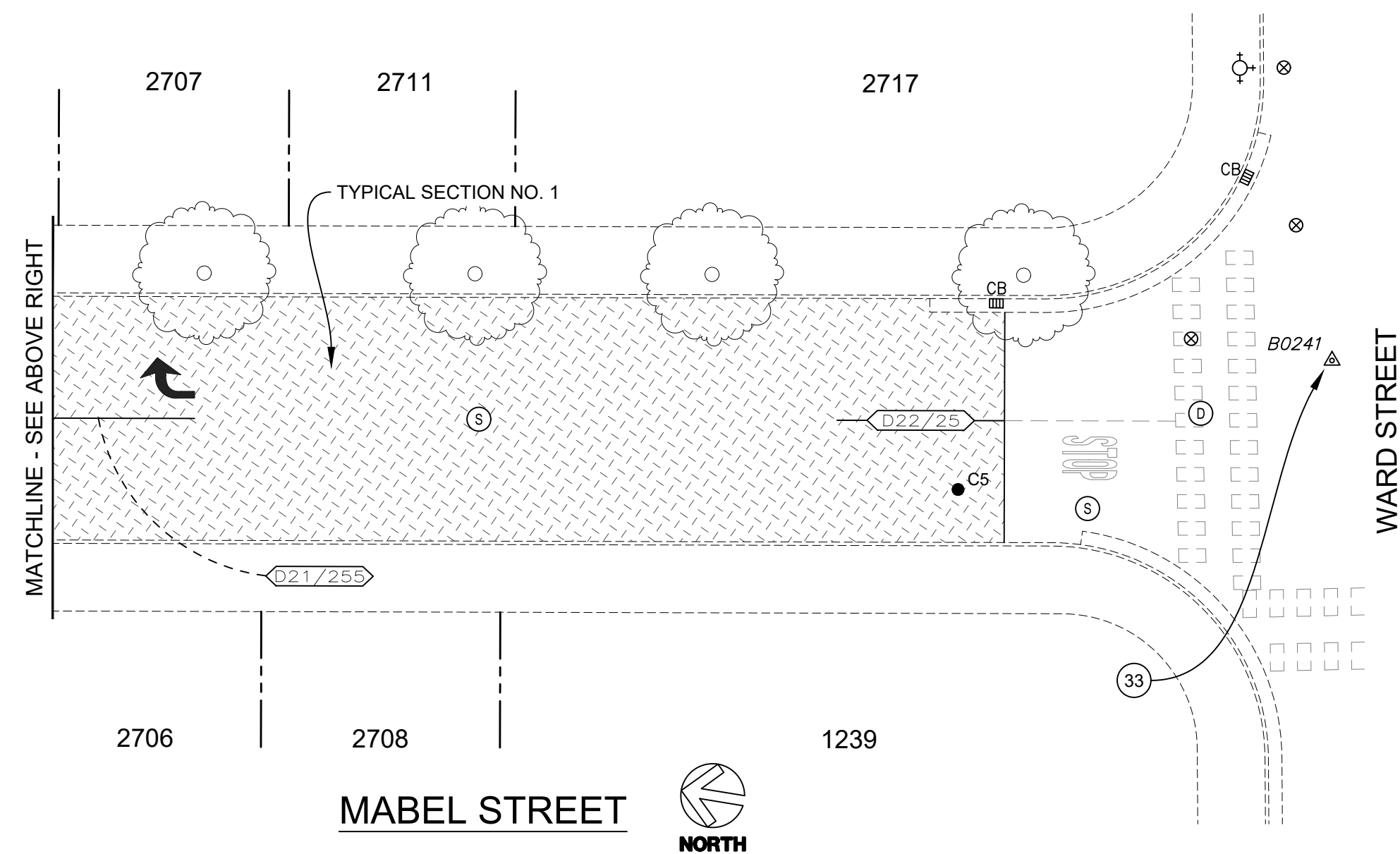
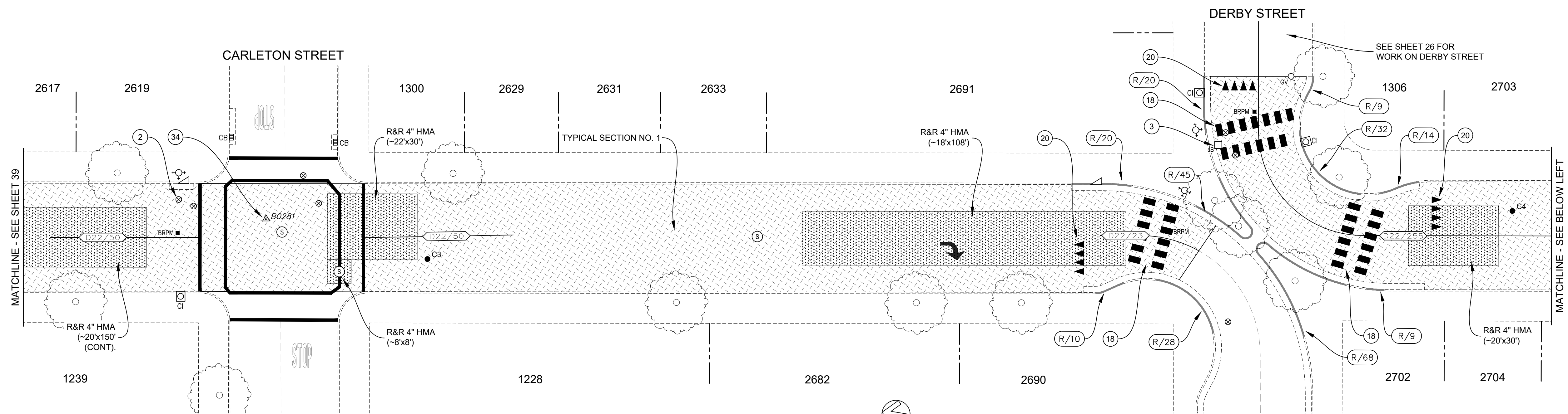
\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



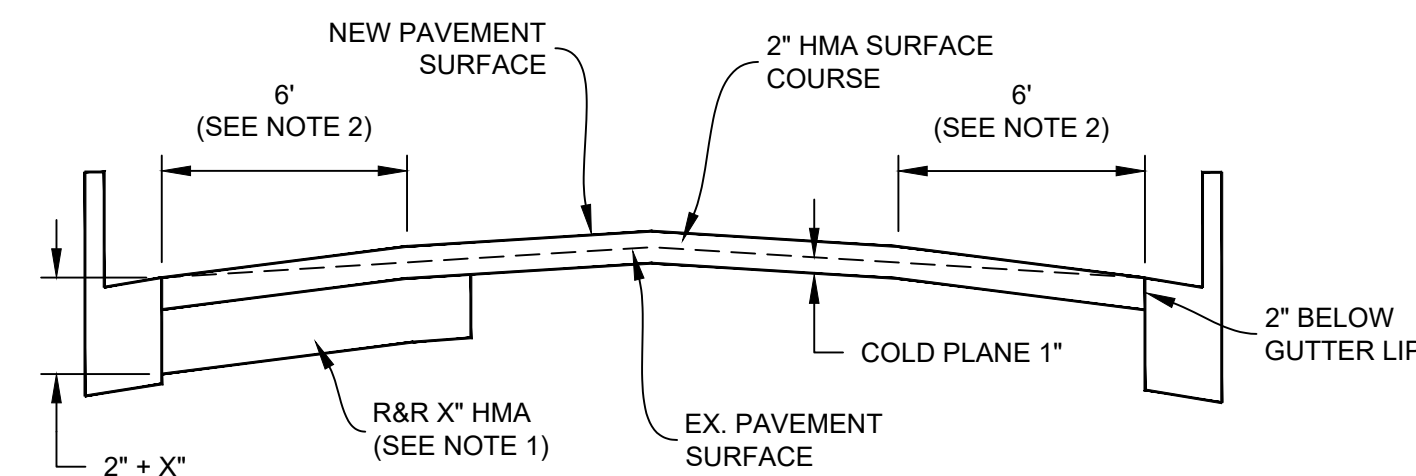
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 MABEL STREET DWIGHT WAY TO WARD STREET	PLAN: <u>8284</u>	
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT.: <u>N/A</u>			FILE: <u>501-641</u>	
APPROVED: _____	CITY ENGINEER: _____	CHECK: _____	AS BUILT: _____	BOOK: _____			REVISION: _____	MARK: _____
DATE: _____	DATE: _____	R.C.E. _____	EXP. _____	DATE: <u>4-29-24</u>			DATE: _____	APPROVAL: _____

FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



- NOTES:**
- SEE PLAN FOR R&R HMA DEPTH & LOCATION. WHERE R&R HMA IS LOCATED UNDER KEYCUTS, PAVEMENT SHALL BE REMOVED TO THE SPECIFIED DEPTH AS MEASURED FROM THE PLANNED SURFACE, NOT THE EX. PAVEMENT SURFACE.
  - TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 6' FROM GUTTER LIP OR LONGITUDINAL LIMIT.
  - TAPER COLD PLANE DEPTH FROM 2" TO 1" AT 10' FROM TRANSVERSE LIMIT.
  - TAPER COLD PLANE DEPTH FROM 2" TO 1/4" AT 10' FROM TRANSVERSE LIMIT (DERBY EASTBOUND ONLY).

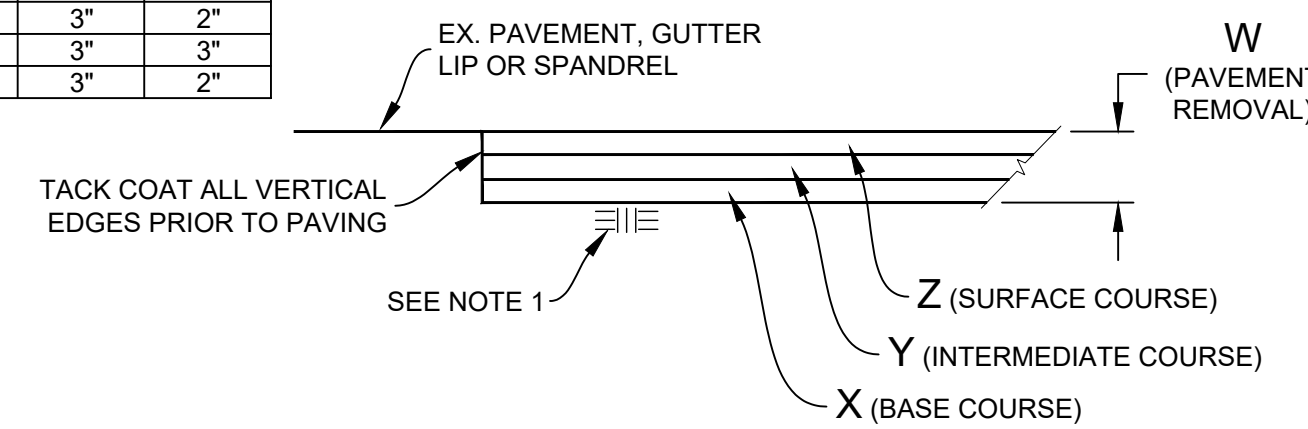


TYPICAL SECTION NO. 1  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

- NOTE:**
- RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

**CONSTRUCTION NOTES:**

- INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- JUNCTION BOX: PROTECT IN PLACE DURING COLD PLANING & ADJUST TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE.
- REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO), TYP.
- REMOVE & REPLACE WHITE YIELD LINE (THERMO).
- SURVEY MONUMENT; PROTECT IN PLACE.
- SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	3"	5"	-	Y
C4	4"	6"	10	Y
C5	4"	7"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=20'
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: BM	VERT.: N/A
		APPROVED: _____ DATE _____	CHECK: Value	BOOK: _____
		CITY ENGINEER: _____ DATE _____	AS BUILT: _____	DATE: 4-29-24

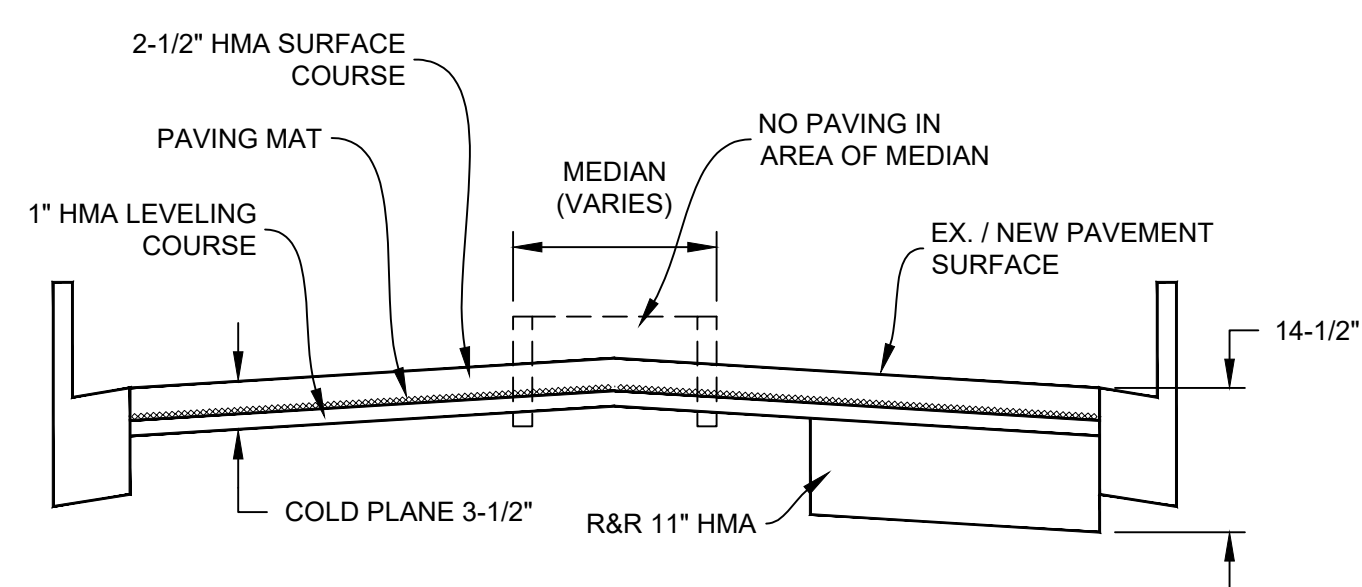
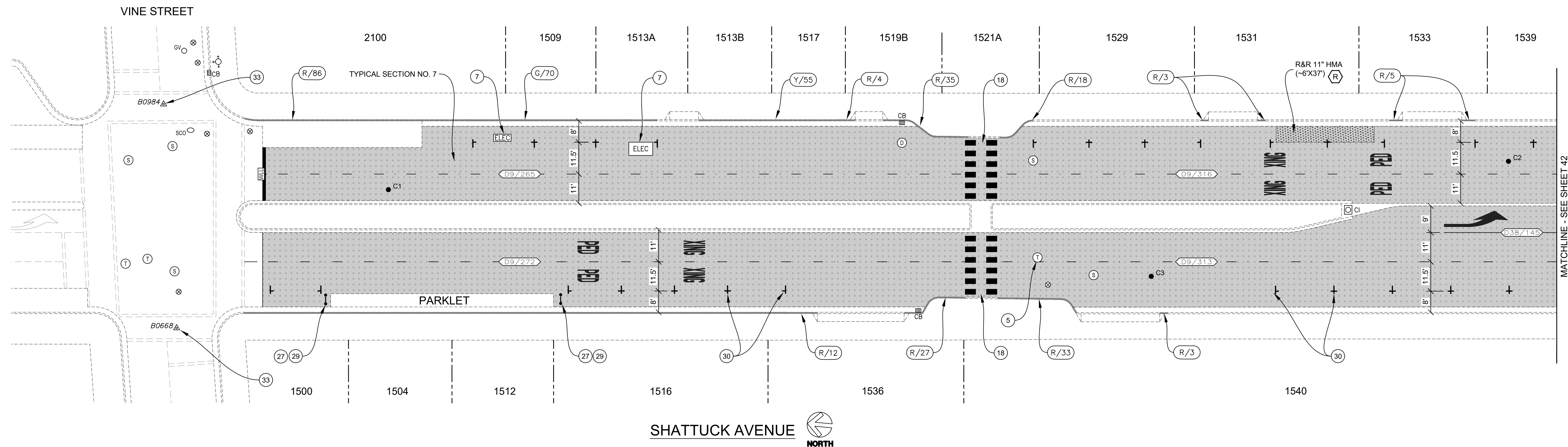
CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
MABEL STREET  
DWIGHT WAY TO WARD STREET

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8284  
FILE 501-641  
SHEET 40 OF 63



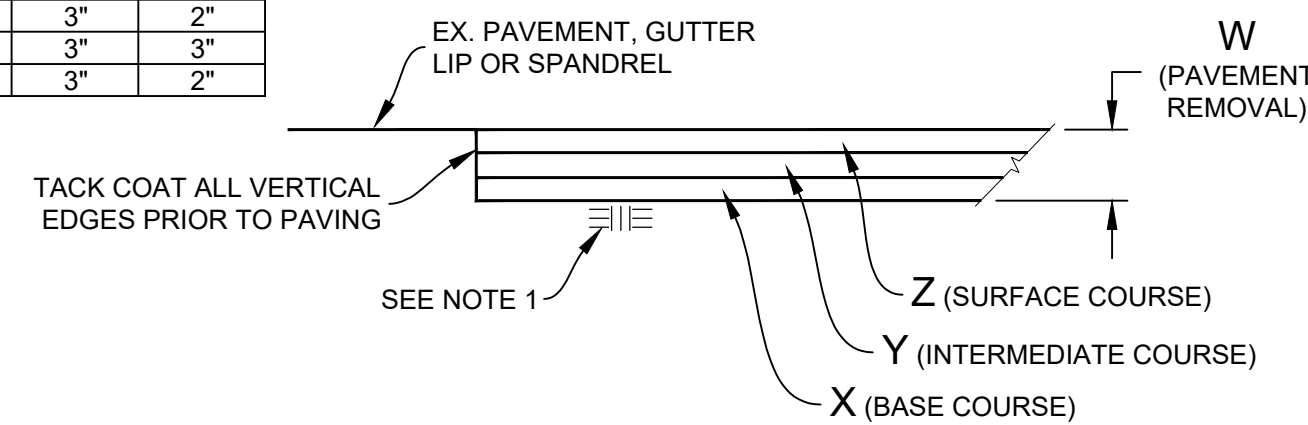


TYPICAL SECTION NO. 7  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

**CONSTRUCTION NOTES:**

- (5) UTILITY COVER; PROTECT IN PLACE.
- (7) ELECTRICAL VAULT; PROTECT IN PLACE.
- (18) REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- (27) REMOVE & REPLACE WHITE DELINEATORS (2 EA).
- (29) REMOVE PARKING BUMPERS PRIOR TO COLD PLANE & REPLACE PARKING BUMPER AFTER PLACEMENT OF FINAL SURFACE COURSE.
- (30) REMOVE & REPLACE PARKING "L" & "T" (THERMO), TYP.
- (33) SURVEY MONUMENT; PROTECT IN PLACE.

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	PCC	AB	R-VALUE	FABRIC (Y/N)
C1	11"	6-1/2"	-	-	Y
C2	14"	0	0	-	N
C3	11"	0	0	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



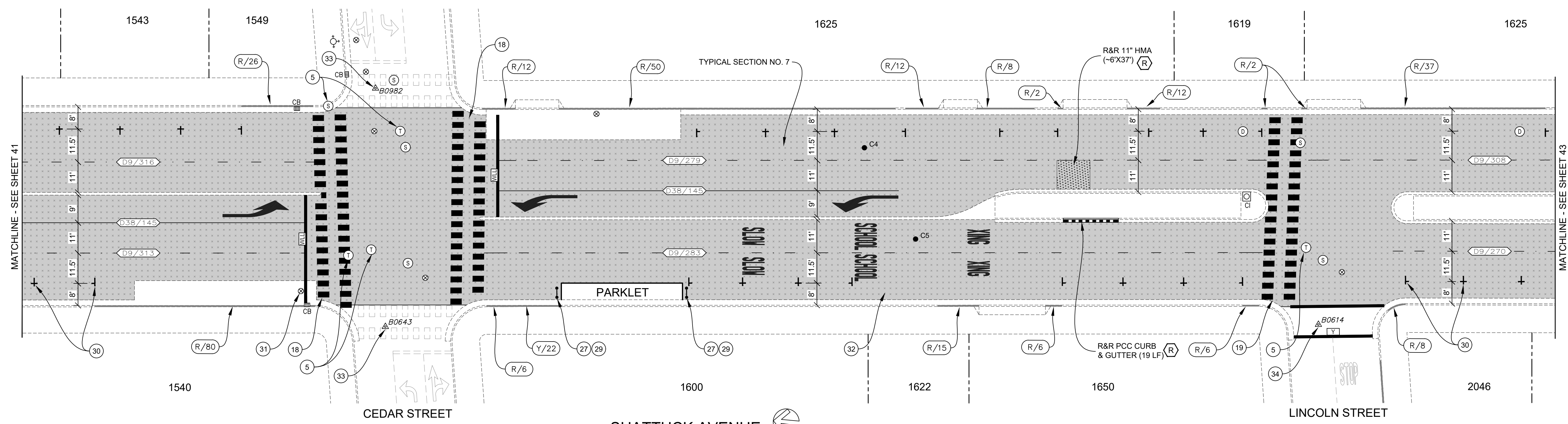
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SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>JL</u>	VERT. <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE <u>4-29-24</u>

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

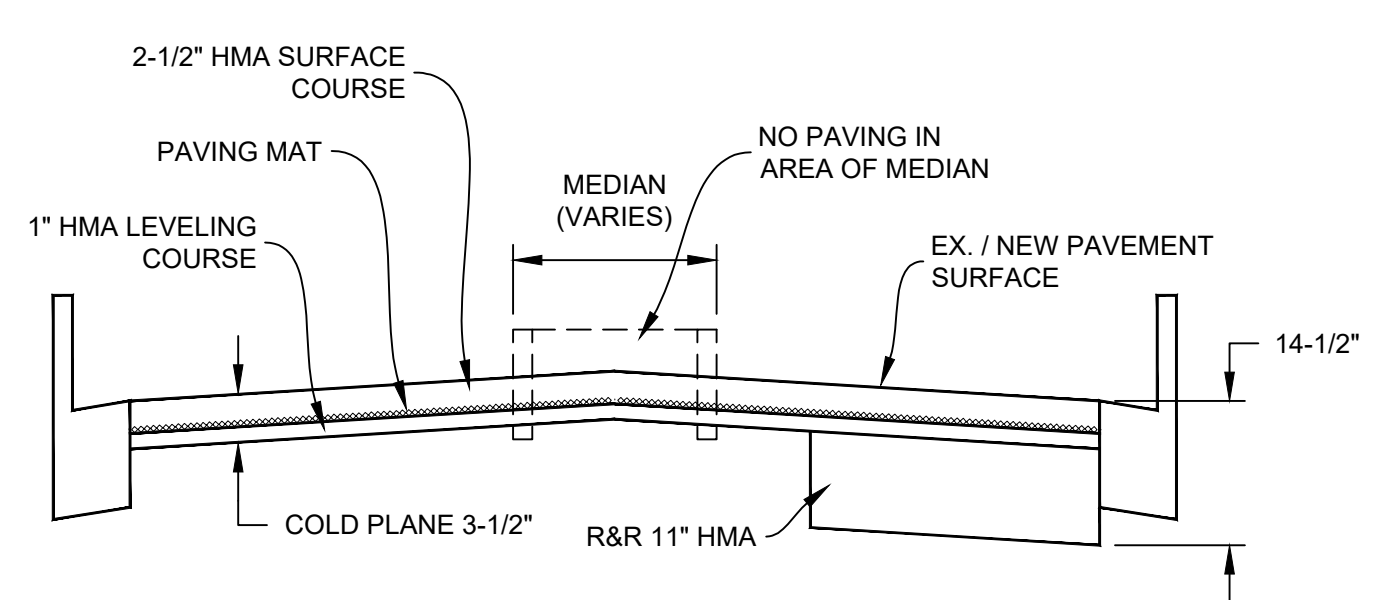
STREET REHABILITATION FY 2024  
SHATTUCK AVENUE  
VINE STREET TO HEARST AVENUE

PLAN 8284  
FILE 501-641  
SHEET 41 OF 63

NO.	DATE	DESCRIPTION	APPROVAL



SHATTUCK AVENUE  
NORTH

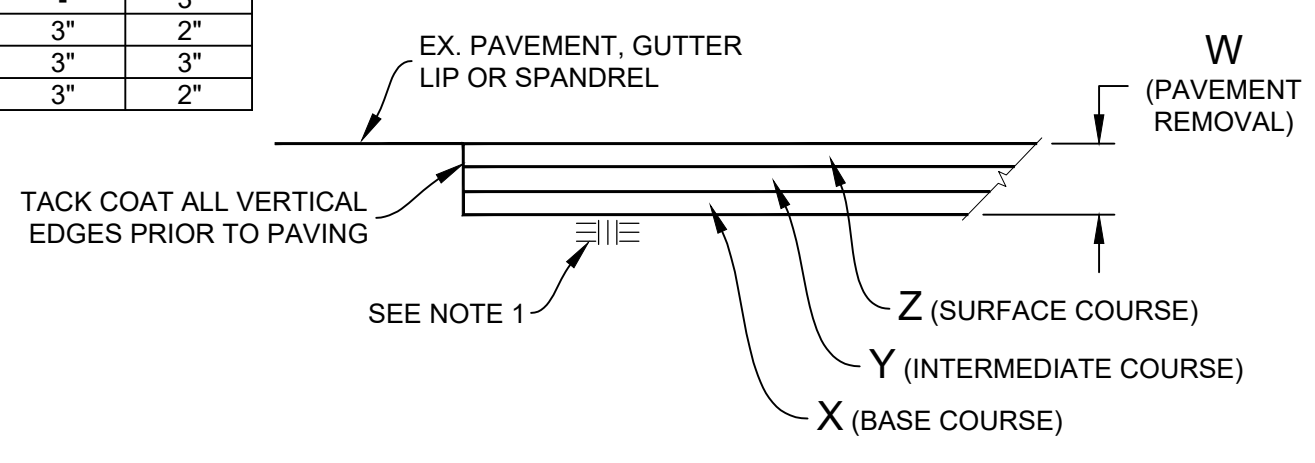


TYPICAL SECTION NO. 7  
NTS

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

CONSTRUCTION NOTES:

- (5) UTILITY COVER; PROTECT IN PLACE.
- (18) REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- (19) REMOVE & REPLACE YELLOW TRIPLE FOUR CROSSWALK (THERMO).
- (27) REMOVE & REPLACE WHITE DELINEATORS (2 EA).
- (29) REMOVE PARKING BUMPERS PRIOR TO COLD PLANE & REPLACE PARKING BUMPER AFTER PLACEMENT OF FINAL SURFACE COURSE.
- (30) REMOVE & REPLACE PARKING "L" & "T" (THERMO), TYP.
- (31) REPLACE WATER VALVE COVER.
- (32) COORDINATE WITH BUSINESS REGARDING SALVAGING & REPLACING SALVAGED INFRASTRUCTURE (I.E. TABLES, CHAIRS, PLANTERS, ETC.)
- (33) SURVEY MONUMENT; PROTECT IN PLACE.
- (34) SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

MISCELLANEOUS NOTE:

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

BORING LOG

NO.	AC	PCC	AB	R-VALUE	FABRIC (Y/N)
C4	14"	0	10"	-	Y
C5	5"	7-1/2"	5"	-	Y

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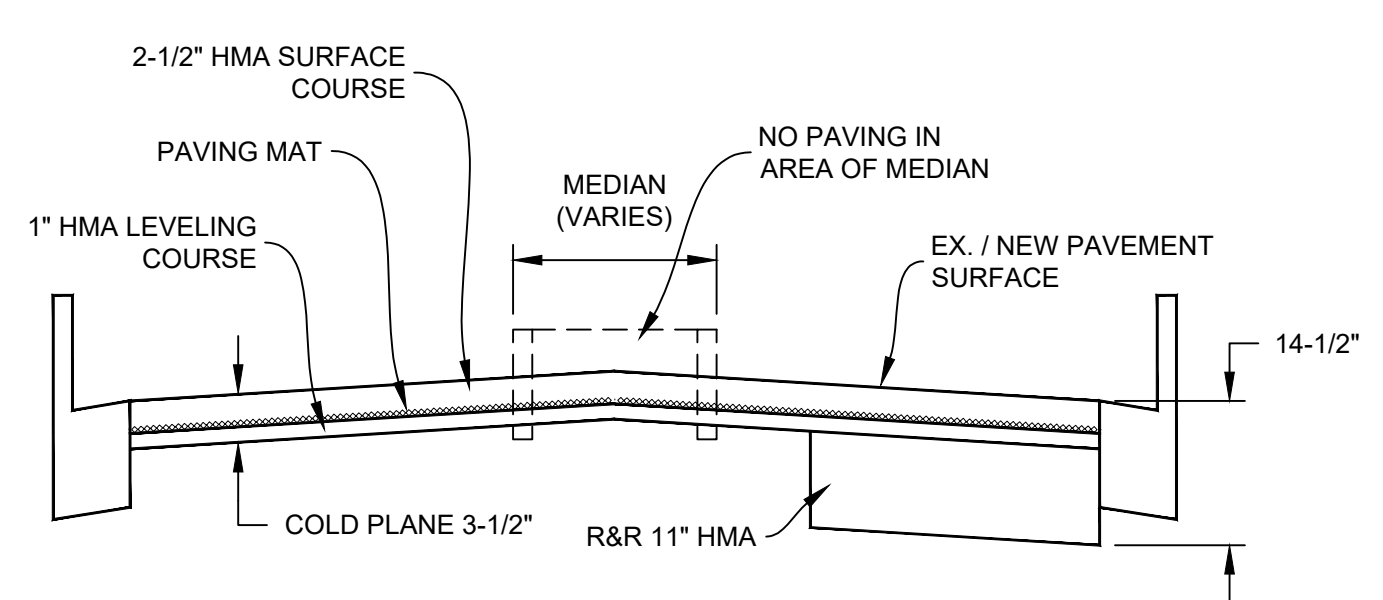
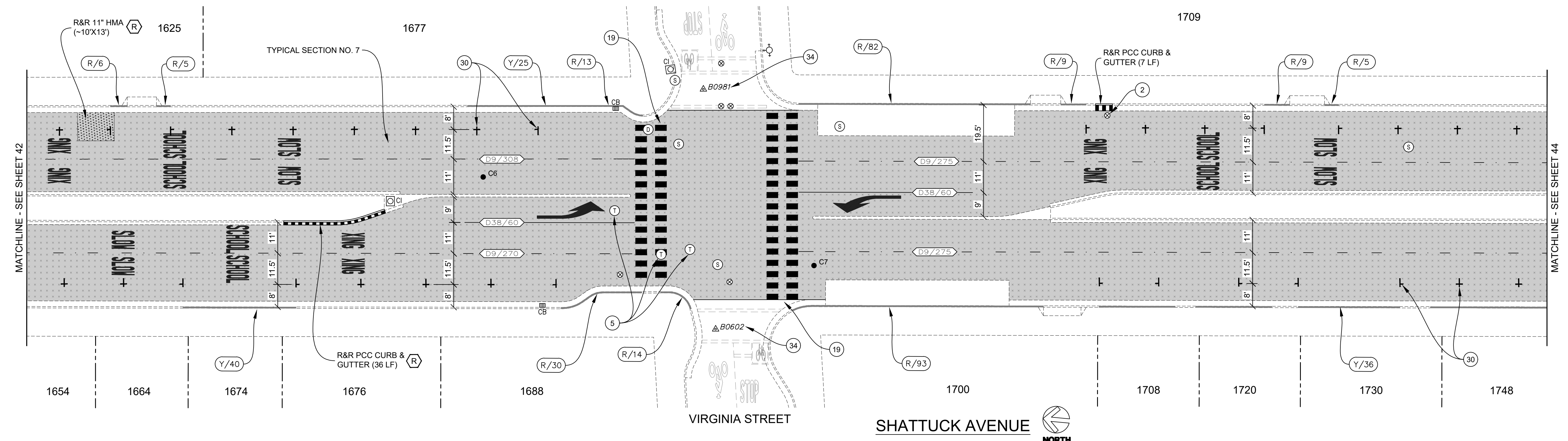
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: <u>JL</u>	VERT. <u>N/A</u>
		APPROVED: _____	CHECK: _____	BOOK _____
		CITY ENGINEER: _____	AS BUILT _____	DATE <u>4-29-24</u>

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
SHATTUCK AVENUE  
VINE STREET TO HEARST AVENUE

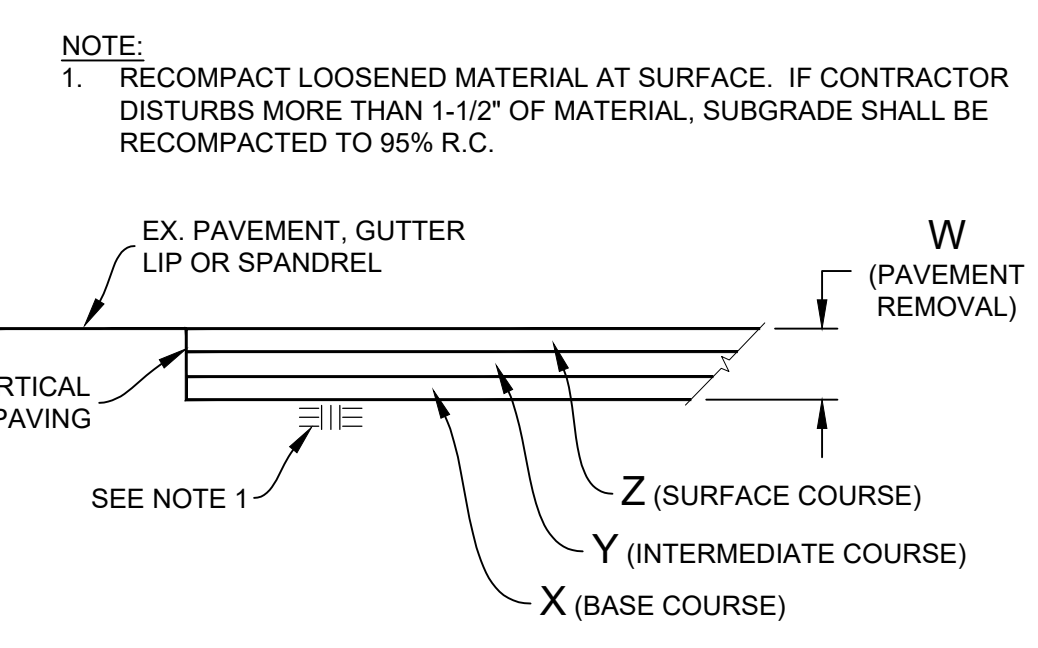
PLAN 8284  
FILE 501-641  
SHEET 42 OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"



- CONSTRUCTION NOTES:**
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
  - ⑤ UTILITY COVER; PROTECT IN PLACE.
  - ⑱ REMOVE & REPLACE YELLOW TRIPLE FOUR CROSSWALK (THERMO).
  - ⑳ REMOVE & REPLACE PARKING "L" & "T" (THERMO), TYP.
  - ㉔ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

- MISCELLANEOUS NOTE:**
- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	PCC	AB	R-VALUE	FABRIC (Y/N)
C6	14"	0	10"	-	N
C7	12"	0	0	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

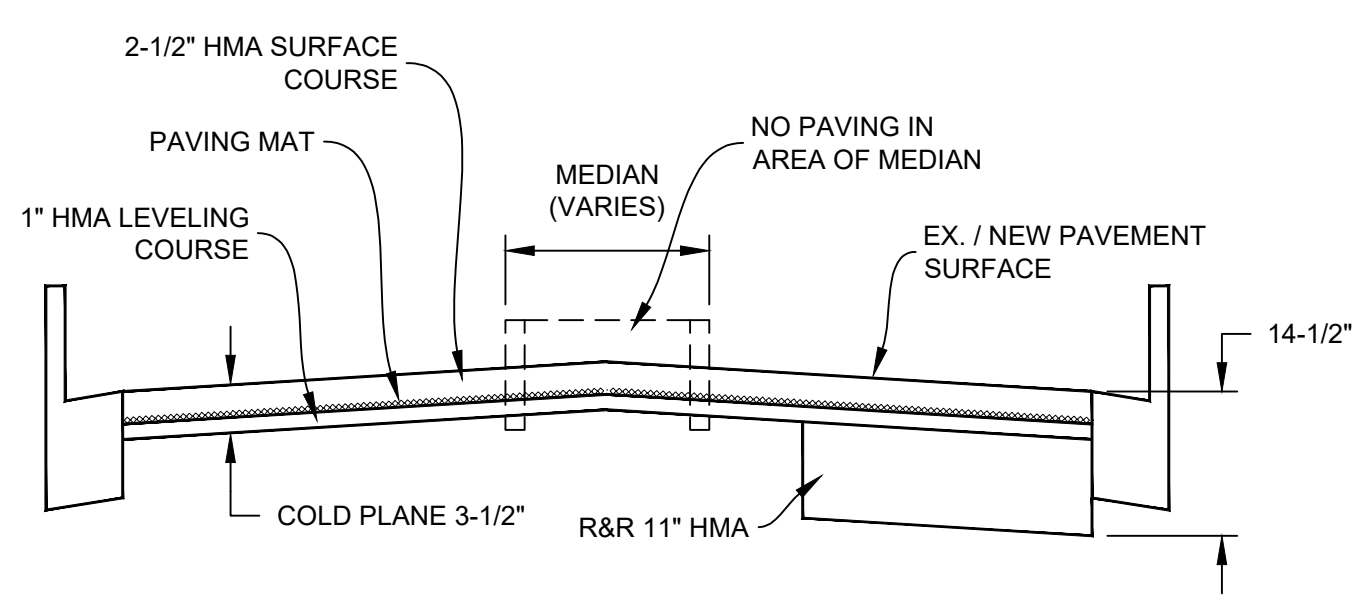
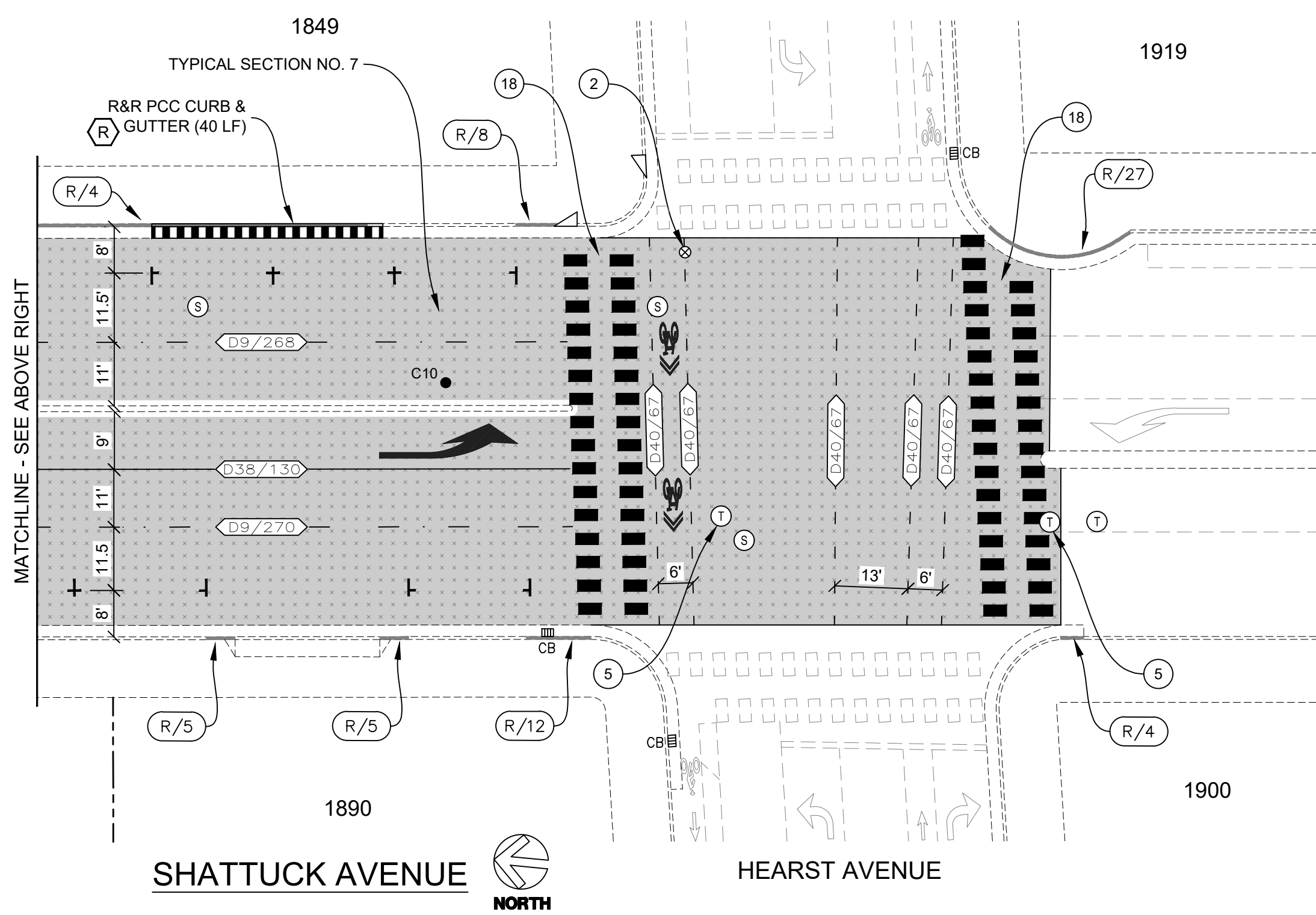
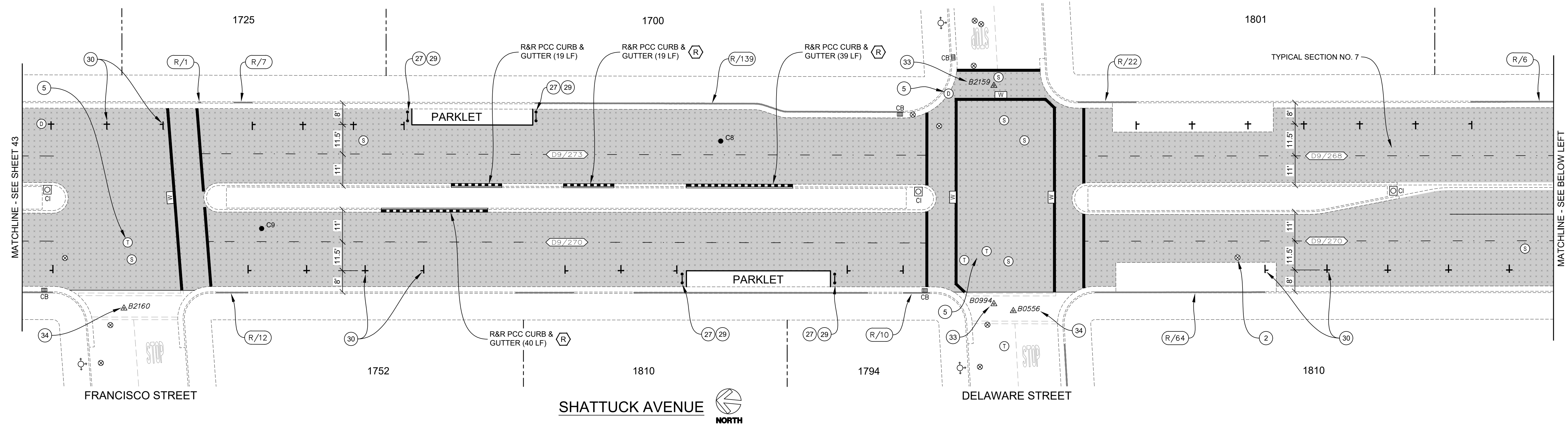


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=20'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: JL	VERT.: N/A
		APPROVED: _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE: 4-29-24

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
SHATTUCK AVENUE  
VINE STREET TO HEARST AVENUE

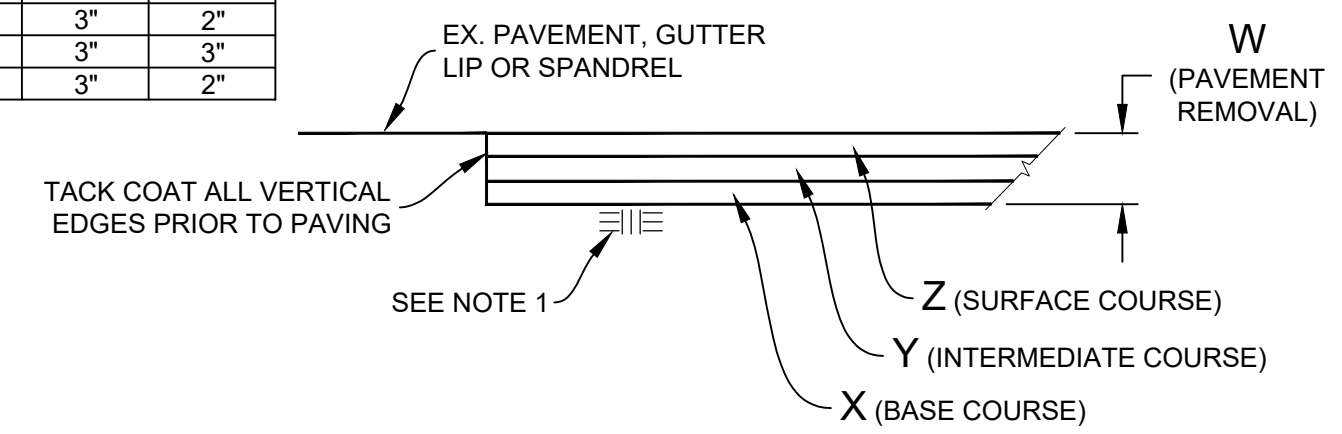
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA (VARIOUS DEPTHS)  
NTS

**CONSTRUCTION NOTES:**

- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 5 UTILITY COVER; PROTECT IN PLACE.
- 18 REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- 27 REMOVE & REPLACE WHITE DELINEATORS (2 EA).
- 29 REMOVE PARKING BUMPERS PRIOR TO COLD PLANE & REPLACE PARKING BUMPER AFTER PLACEMENT OF FINAL SURFACE COURSE.
- 30 REMOVE & REPLACE PARKING "L" & "T" (THERMO), TYP.
- 33 SURVEY MONUMENT; PROTECT IN PLACE.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**MISCELLANEOUS NOTE:**

- 1. LOWER ALL UTILITY COVERS PRIOR TO COLD PLANE & ADJUST ALL UTILITY COVERS TO FINISHED GRADE AFTER PLACEMENT OF FINAL SURFACE COURSE, EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

**BORING LOG**

NO.	AC	PCC	AB	R-VALUE	FABRIC (Y/N)
C8	4"	6-1/2"	0	-	Y
C9	4-1/2"	7"	4"	-	Y
C10	12"	0	0	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

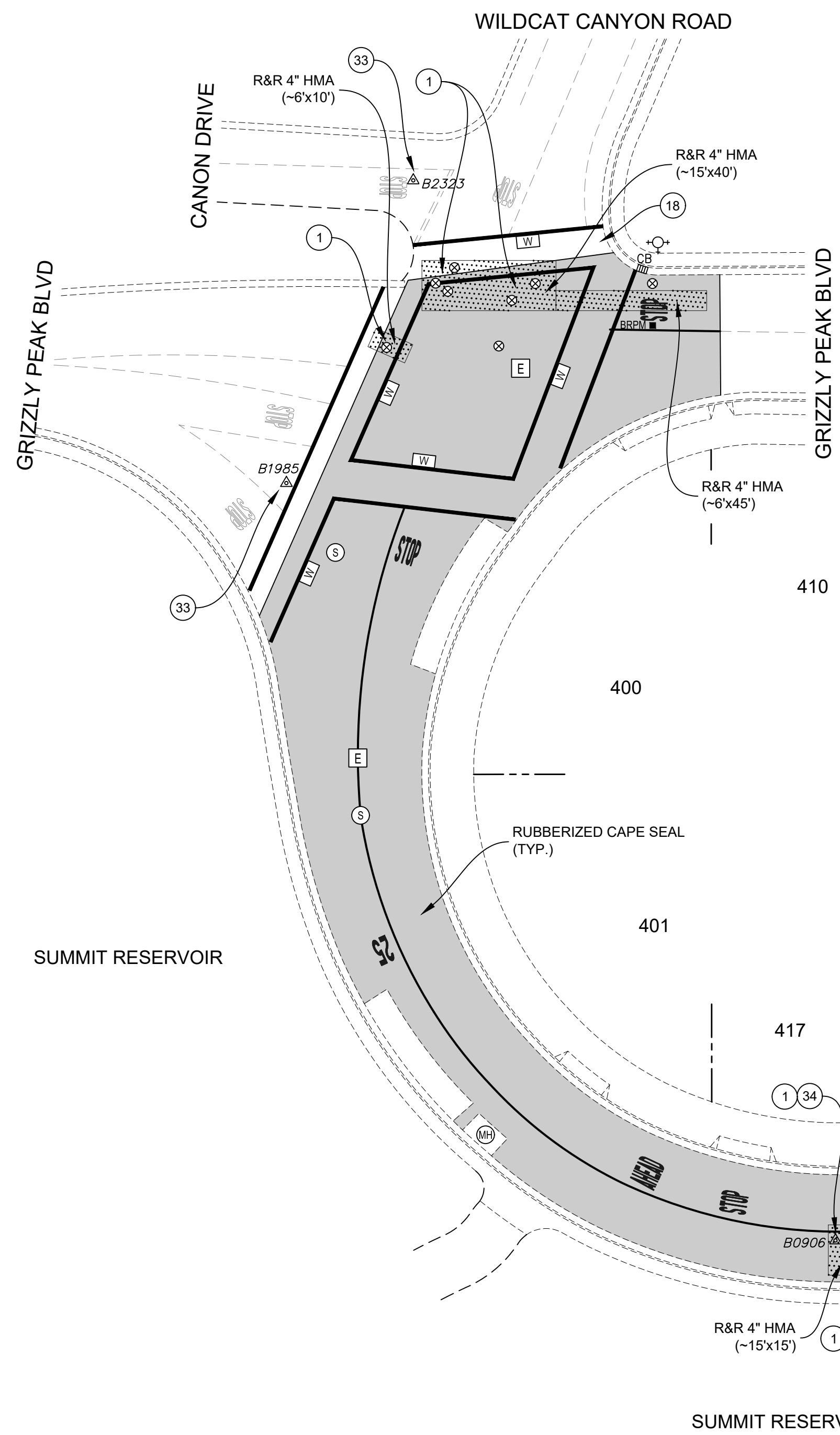


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>JL</u>	VERT. <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
		CITY ENGINEER: _____ DATE _____	AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
SHATTUCK AVENUE  
VINE STREET TO HEARST AVENUE

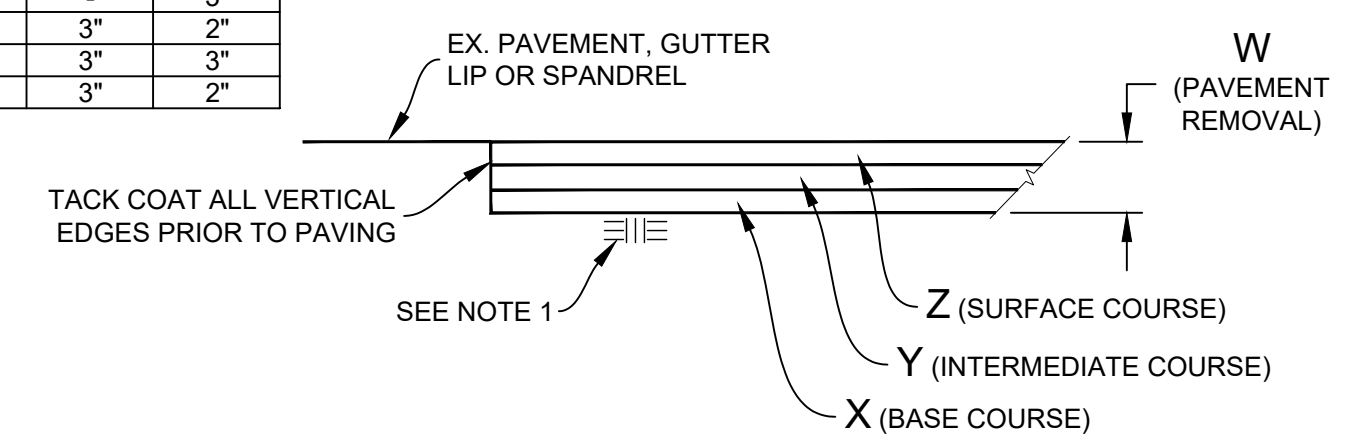
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

SUMMIT RESERVOIR

SPRUCE STREET  
1"=30'  
NORTH

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE
- ⑱ REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- ③③ SURVEY MONUMENT; PROTECT IN PLACE.
- ③④ SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C1	13"	-	-	N
C2	9"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: _____ AB _____	HORIZ. _____ 1"=30'
_____	SURVEY CHIEF OF PARTY _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: _____ AB _____	VERT. _____ N/A
_____	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
_____	_____	CITY ENGINEER _____	AS BUILT _____	DATE 4-29-24

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
SPRUCE STREET  
GRIZZLY PEAK BOULEVARD  
TO ARCH STREET

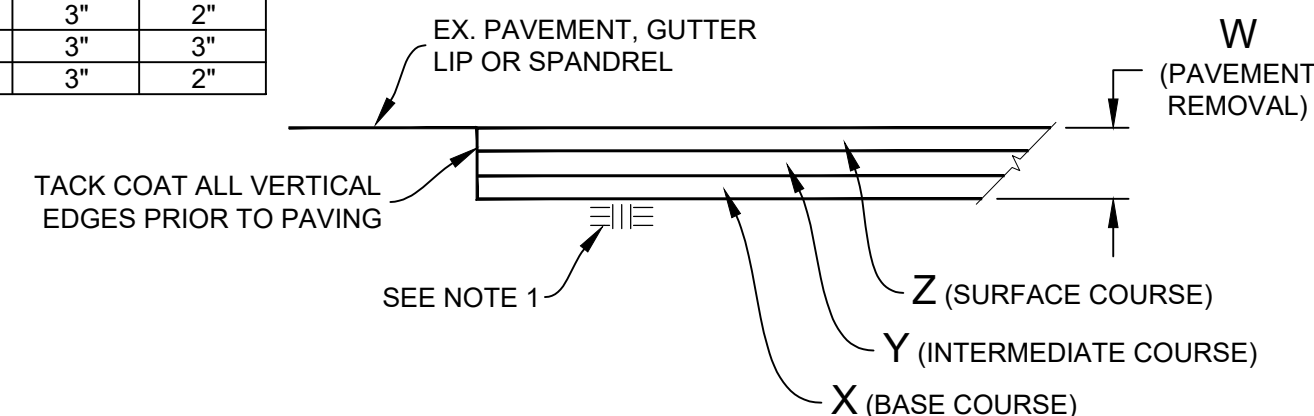
NO.	DATE	DESCRIPTION	APPROVAL

PLAN 8284  
FILE 501-641  
SHEET 45 OF 63

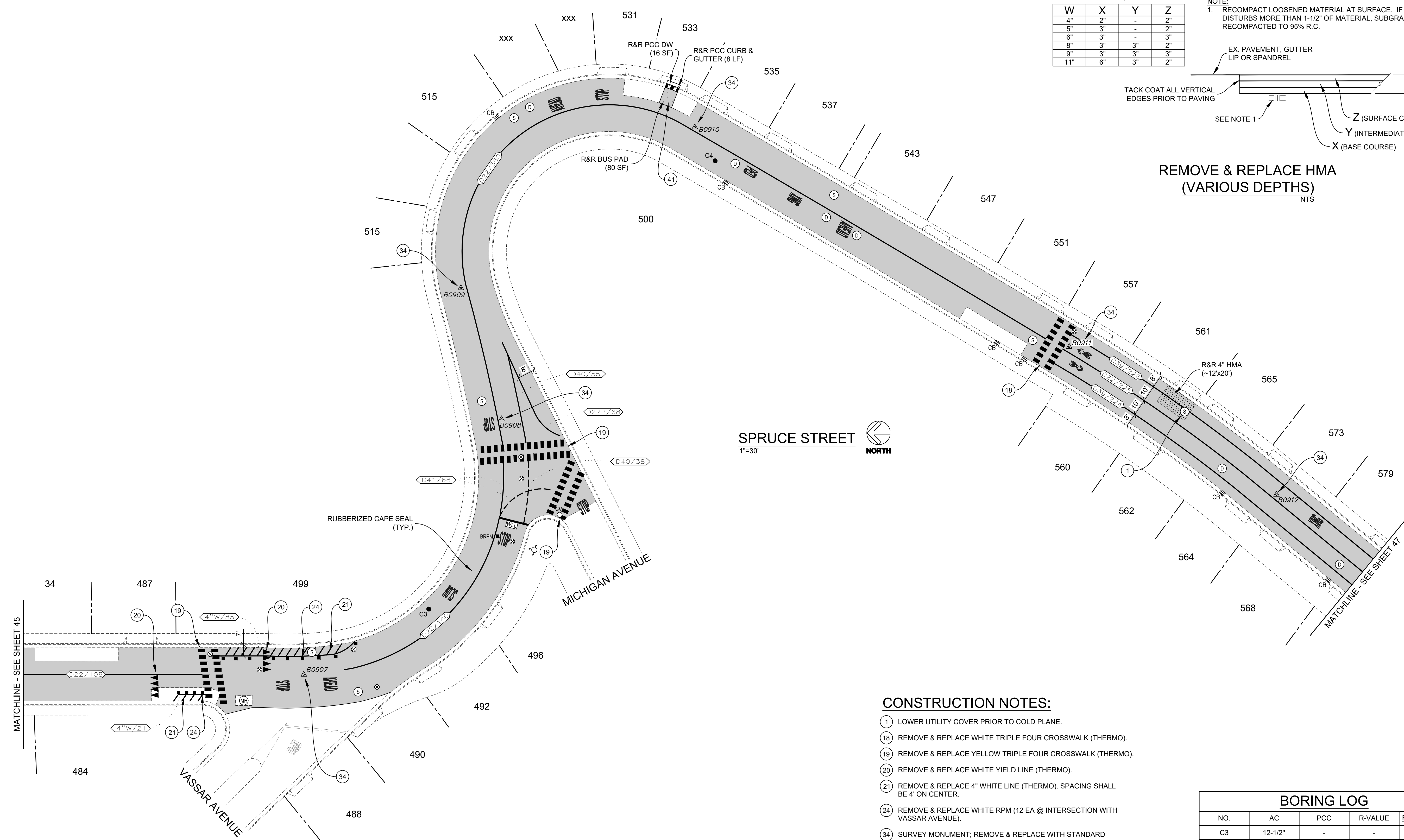
DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENEED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS



**SPRUCE STREET**  
1"=30'



**CONSTRUCTION NOTES:**

- 1 LOWER UTILITY COVER PRIOR TO COLD PLANE.
- 18 REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- 19 REMOVE & REPLACE YELLOW TRIPLE FOUR CROSSWALK (THERMO).
- 20 REMOVE & REPLACE WHITE YIELD LINE (THERMO).
- 21 REMOVE & REPLACE 4" WHITE LINE (THERMO). SPACING SHALL BE 4' ON CENTER.
- 24 REMOVE & REPLACE WHITE RPM (12 EA @ INTERSECTION WITH VASSAR AVENUE).
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).
- 41 REMOVE & REPLACE BUS PAD PER CITY OF BERKELEY STD PLAN 8150. NEW BUS PAD SHALL BE DOWELED INTO EX. PAD (12" MIN.) W/ #4 BARS. 12" SPACING O.C. DOWELS SHALL BE PLACED IN 3/4" DIA. DRILLED HOLES W/ 1:1 SAND CEMENT GROUT.

**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C3	12-1/2"	-	-	N
C4	11-1/2"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



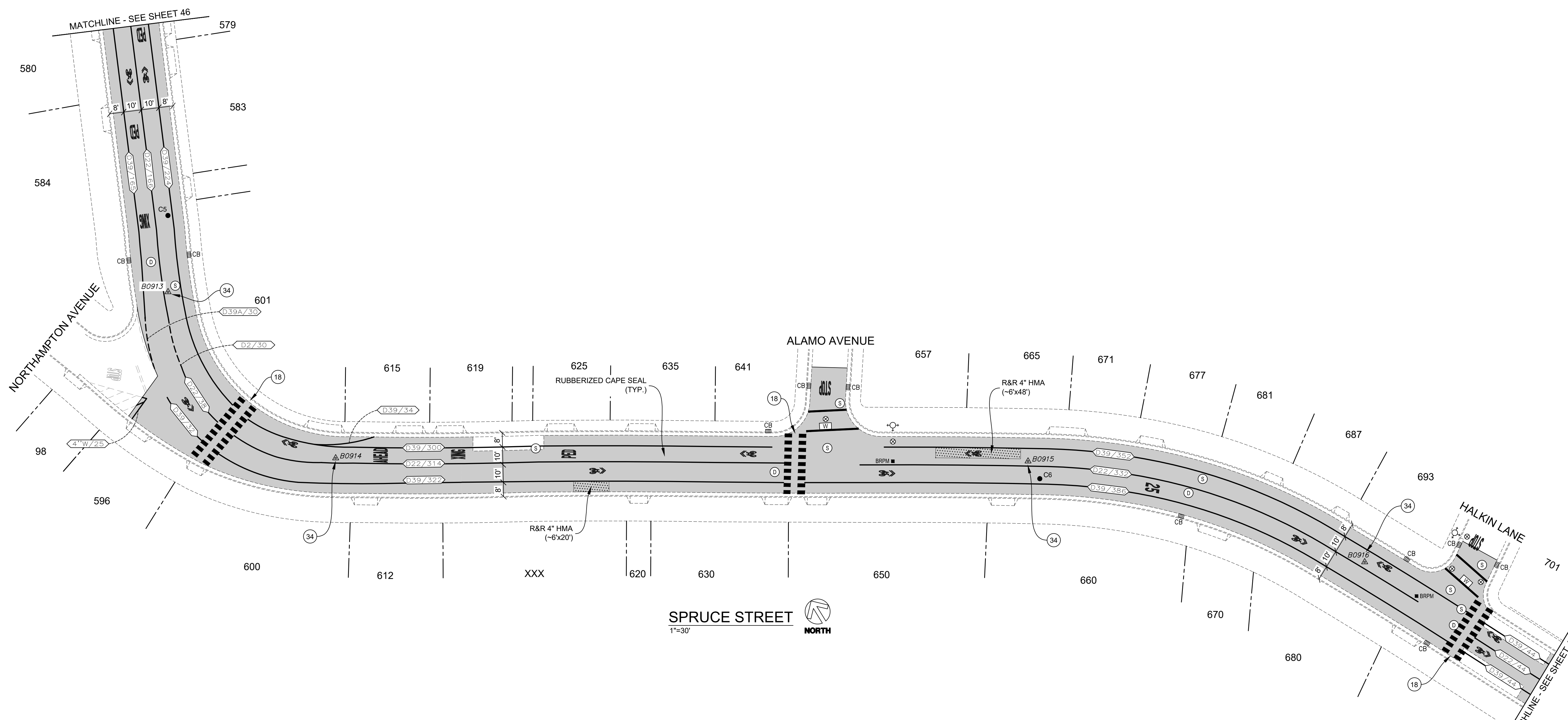
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=30'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>
		APPROVED: _____	CHECK: <u>-</u>	BOOK _____
		CITY ENGINEER _____	AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
SPRUCE STREET  
GRIZZLEY PEAK BOULEVARD  
TO ARCH STREET

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8284  
FILE 501-641  
SHEET 46 OF 63

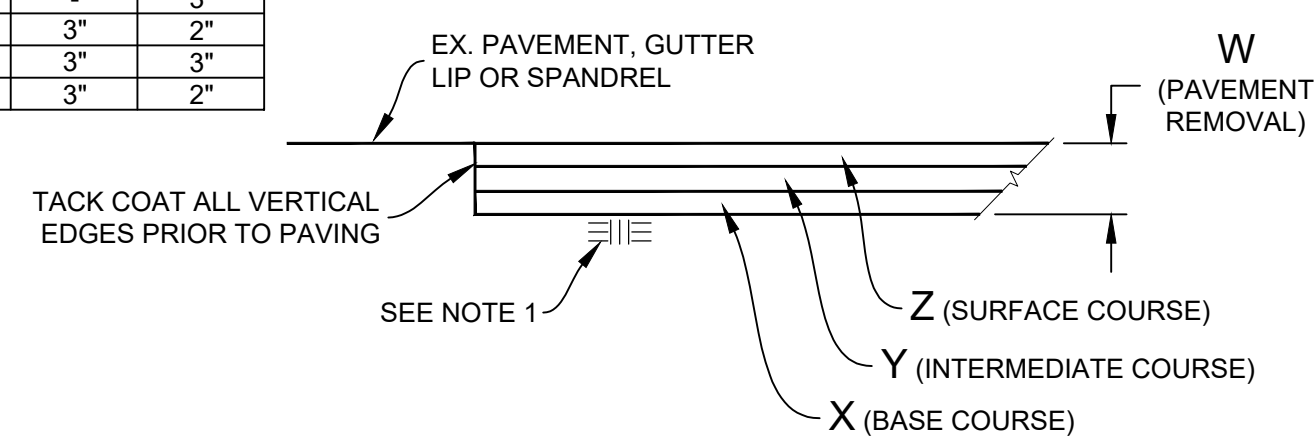


SPRUCE STREET  
1"=30'

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

- CONSTRUCTION NOTES:**
- 18 REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
  - 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

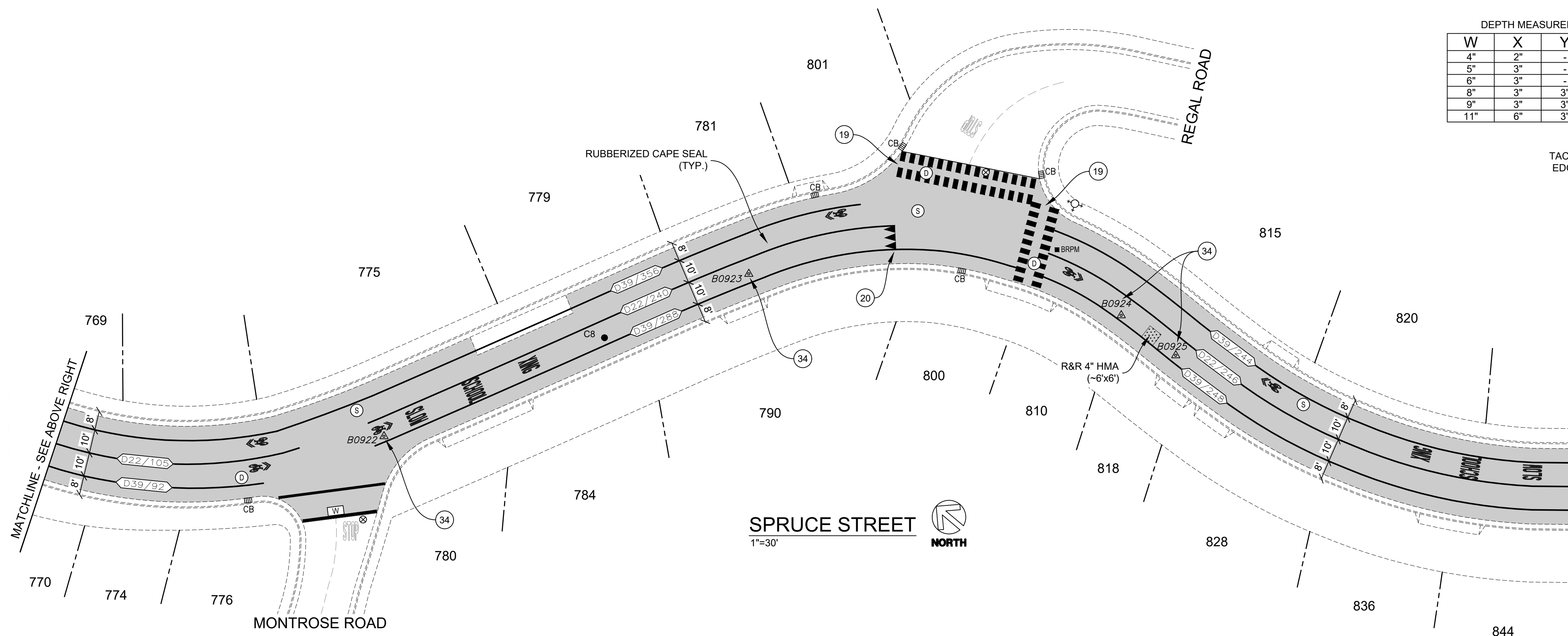
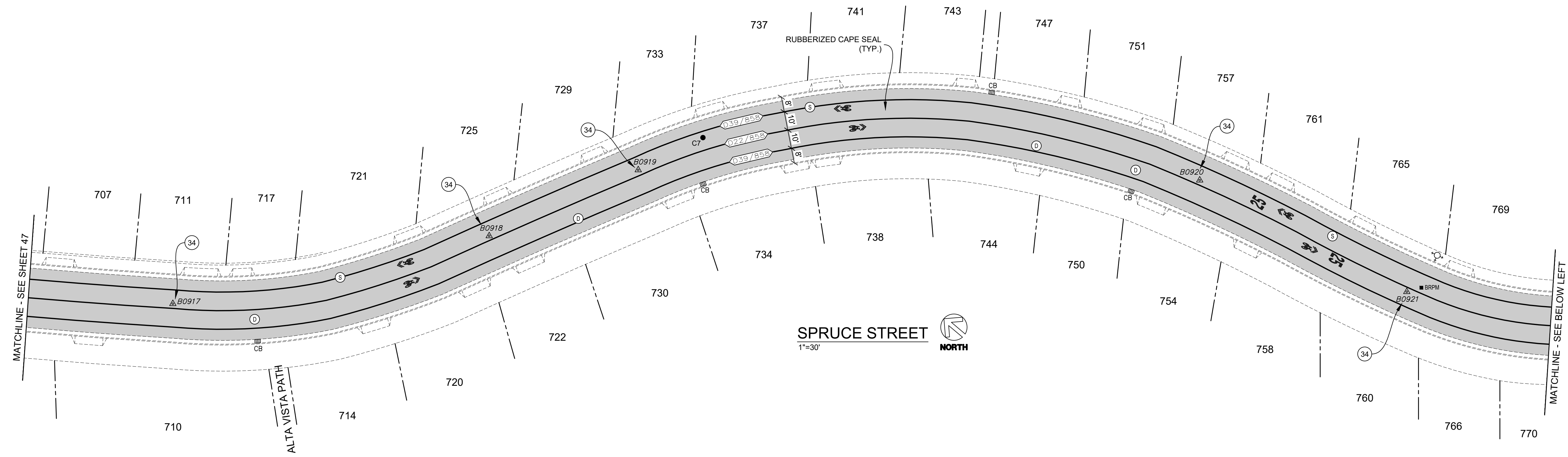
**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C5	8-1/2"	-	-	N
C6	9-1/2"	-	-	N

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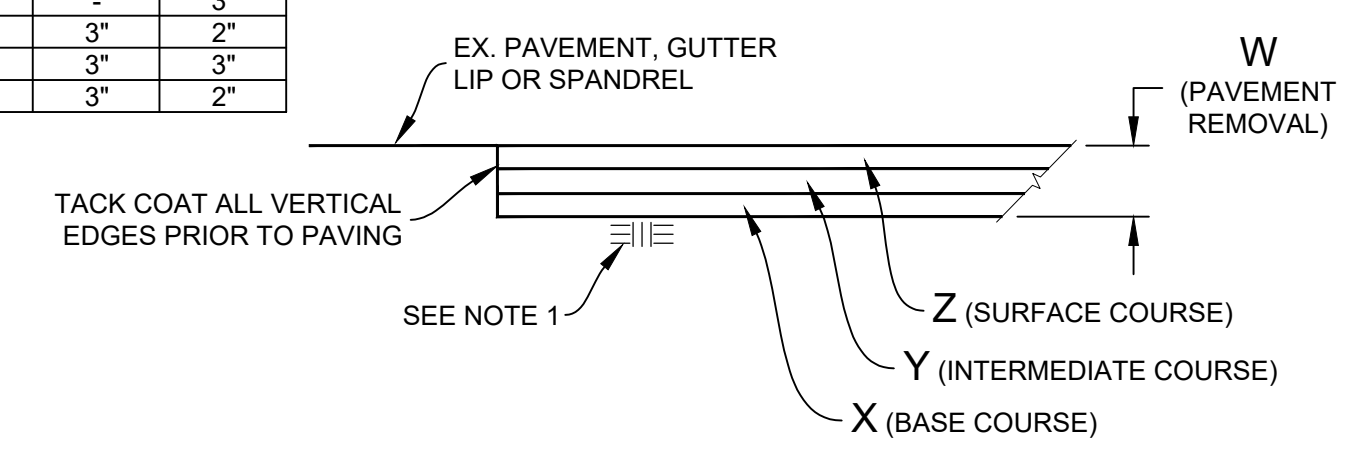
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=30'</u>	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 SPRUCE STREET GRIZZLEY PEAK BOULEVARD TO ARCH STREET	PLAN <u>8284</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>BM</u>	VERT. <u>N/A</u>			FILE <u>501-641</u>
CITY ENGINEER: _____	APPROVED: _____ DATE _____	CHECKED: _____ DATE _____	CHECKED: _____	BOOK _____			REVISION _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	AS BUILT: _____ DATE _____	DATE <u>4-29-24</u>	DATE _____	DATE _____			SHEET <u>47</u> OF <u>63</u>



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	3"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- (19) REMOVE & REPLACE YELLOW TRIPLE FOUR CROSSWALK (THERMO).
- (20) REMOVE & REPLACE WHITE YIELD LINE (THERMO).
- (34) SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C7	12-1/2"	-	-	N
C8	8"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=30'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>AB</u>	VERT. <u>N/A</u>
		APPROVED: _____	CHECK: <u>-</u>	BOOK _____
		CITY ENGINEER _____	AS BUILT _____	DATE <u>4-29-24</u>

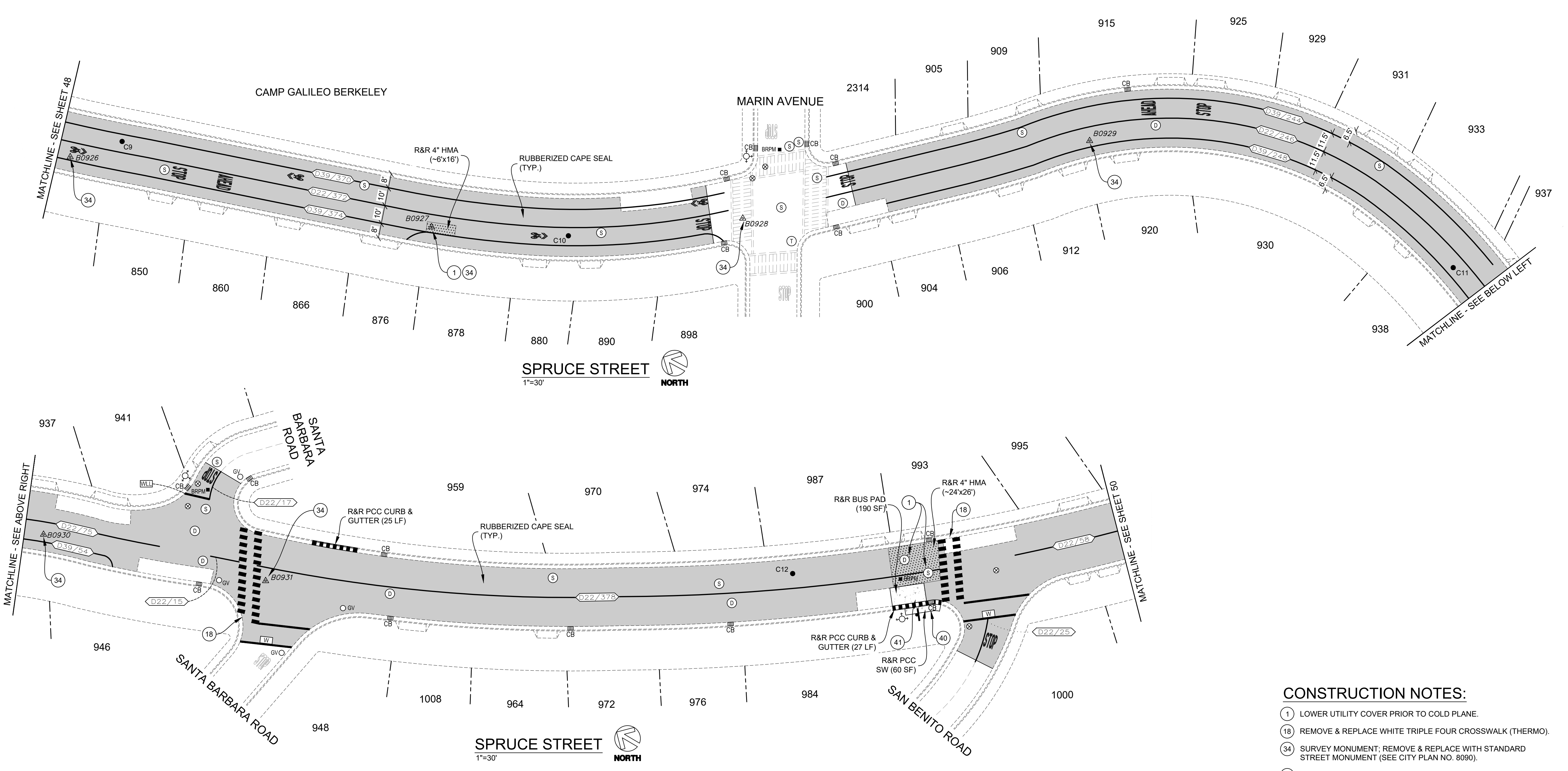
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
SPRUCE STREET  
GRIZZLEY PEAK BOULEVARD  
TO ARCH STREET

PLAN 8284  
FILE 501-641  
SHEET 48 OF 63

NO.	DESCRIPTION	DATE	APPROVAL





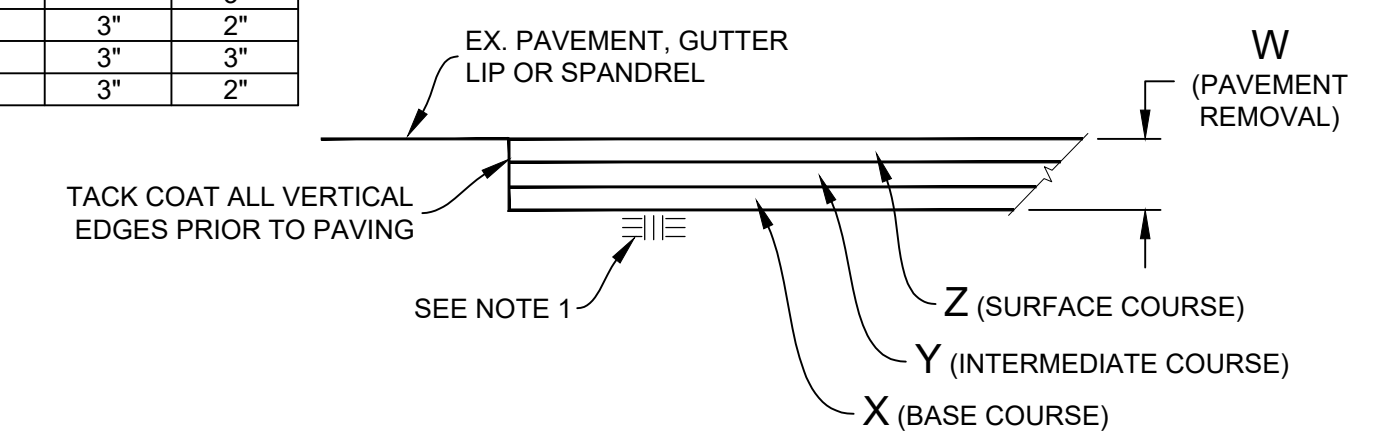
**CONSTRUCTION NOTES:**

- 1 LOWER UTILITY COVER PRIOR TO COLD PLANE.
- 18 REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- 34 SURVEY MONUMENT: REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).
- 40 RECONSTRUCT TOP OF CATCH BASIN PER CITY OF BERKELEY STD PLAN 6166 & DETAIL ON SHEET 61.
- 41 REMOVE & REPLACE BUS PAD PER CITY OF BERKELEY STD PLAN 8150. NEW BUS PAD SHALL BE DOWELED INTO EX. PAD (12\"/>

**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

**NOTE:**  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2\"/>



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C9	9"	-	-	N
C10	7"	-	-	N
C11	8-1/2"	-	-	N
C12	12"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



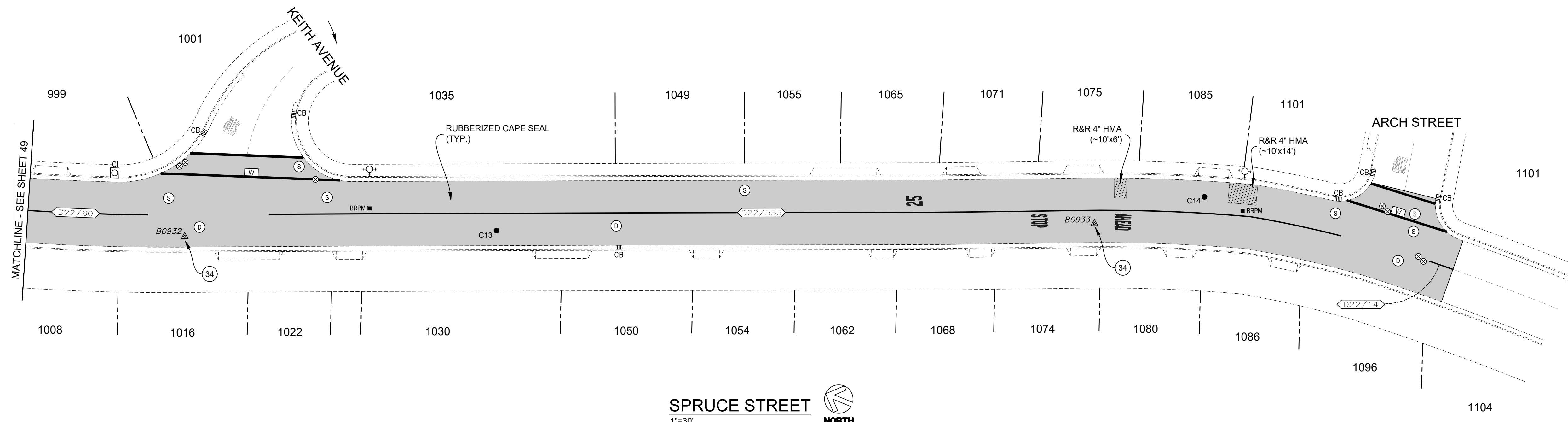
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=30'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>AB</u>	VERT. <u>N/A</u>
		APPROVED: _____	CHECK: _____	BOOK _____
		CITY ENGINEER _____	AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
SPRUCE STREET  
GRIZZLEY PEAK BOULEVARD  
TO ARCH STREET

PLAN	8284
FILE	501-641
SHEET	49 OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

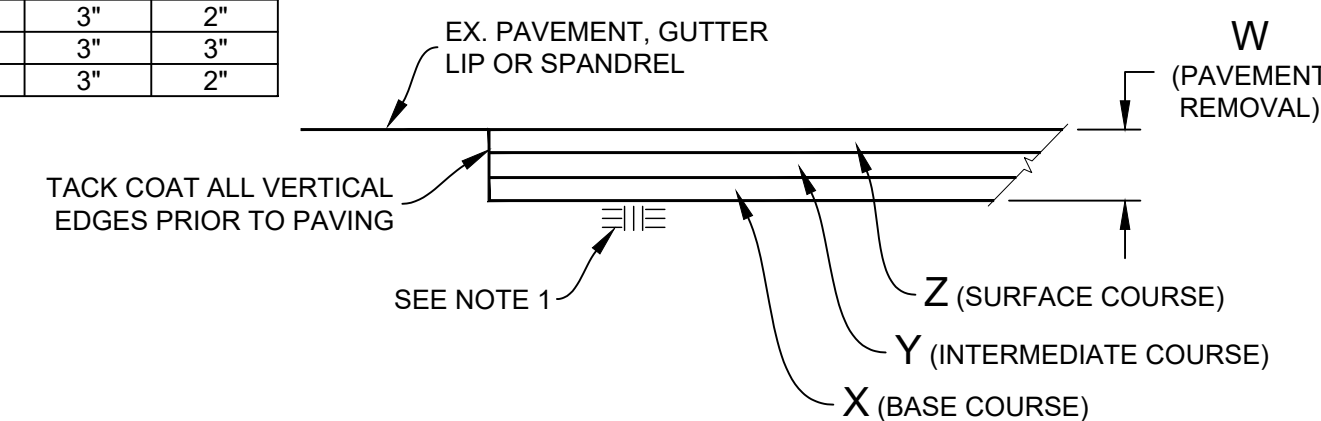


**SPRUCE STREET**  
1"=30'  
NORTH

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

(34) SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

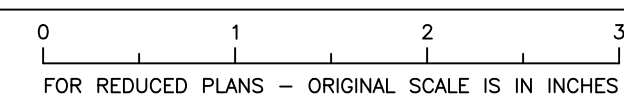
**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C13	8"	-	-	N
C14	10"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=30'
SURVEY CHIEF OF PARTY: _____	SURVEYING CIVIL ENGINEER: _____	DATE: _____	DRAWN: AB	VERT.: N/A
WATERSHED REVIEW: _____	APPROVED: _____	R.C.E.: _____	CHECK: -	BOOK: _____
	CITY ENGINEER: _____	EXP.: _____	AS BUILT: _____	DATE: 4-29-24

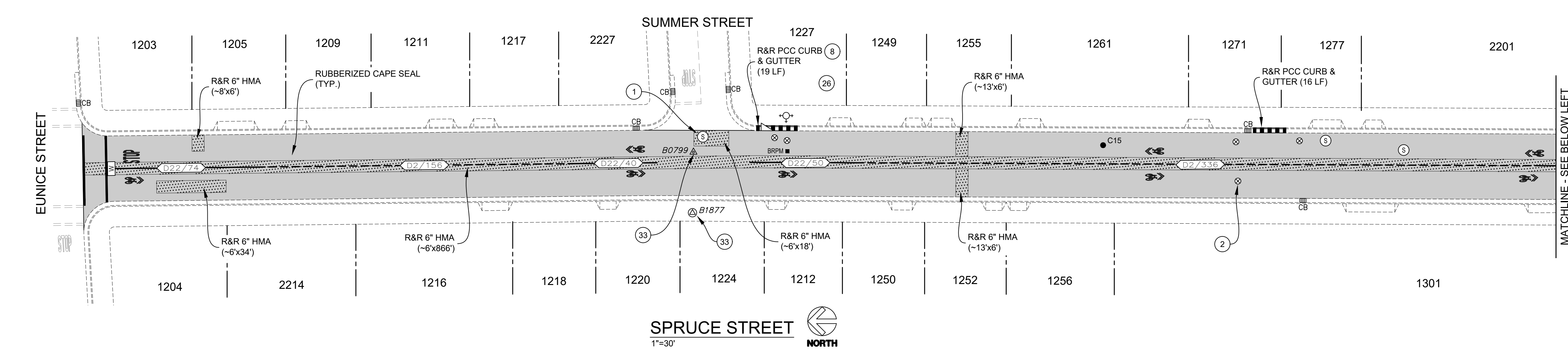


**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

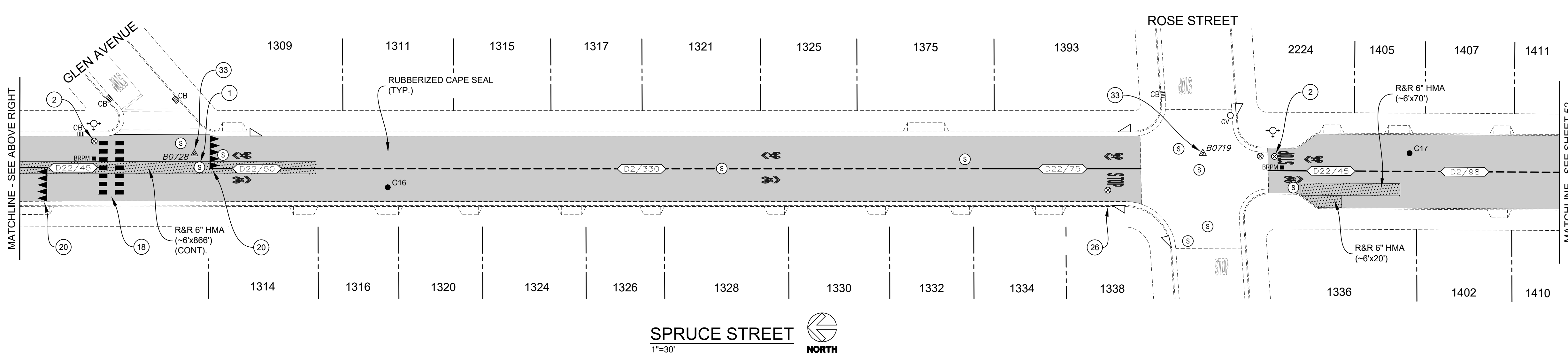
**STREET REHABILITATION FY 2024**  
SPRUCE STREET  
GRIZZLEY PEAK BOULEVARD  
TO ARCH STREET

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8284  
FILE 501-641  
SHEET 50 OF 53



SPRUCE STREET  
1"=30'  
NORTH



SPRUCE STREET  
1"=30'  
NORTH

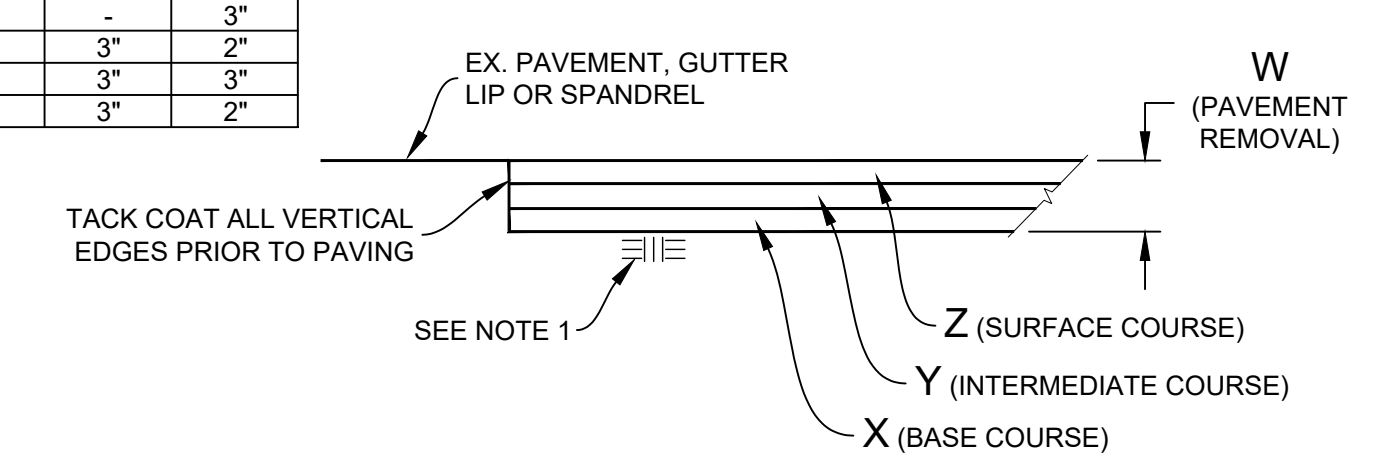
**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ⑧ REMOVE & DISPOSE OF CROSS DRAIN COVER.
- ⑱ REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- ⑳ REMOVE & REPLACE WHITE YIELD LINE (THERMO).
- ㉔ REMOVE & REPLACE ADDRESS STENCIL ON CURB FACE.
- ㉓ SURVEY MONUMENT; PROTECT IN PLACE.

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

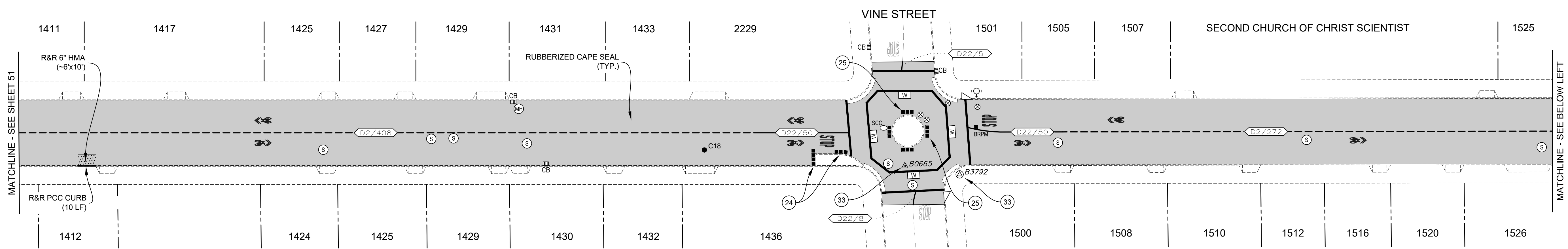
**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C15	6"	0"	-	Y
C16	5-1/2"	0"	-	Y
C17	5"	3"	-	Y

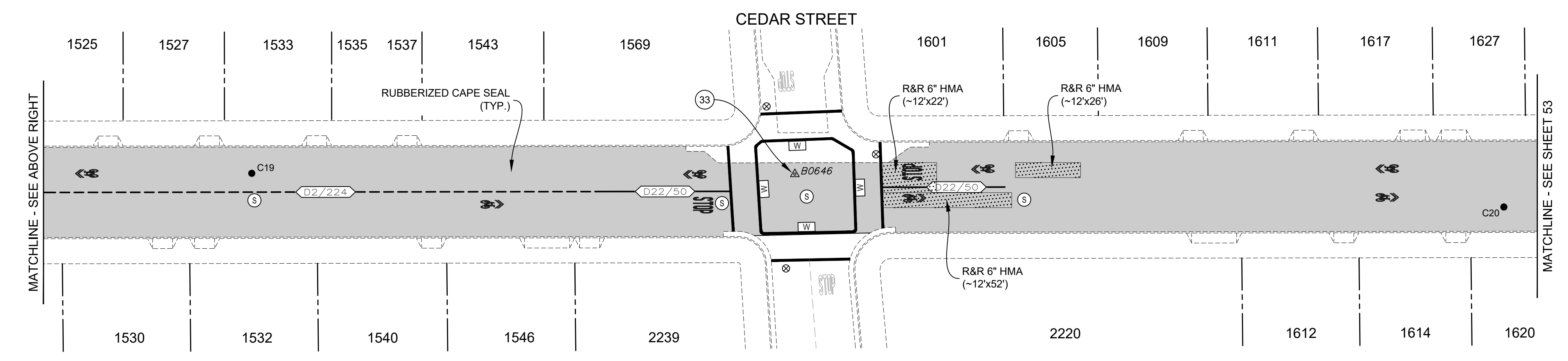
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PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: 1"=30'	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 SPRUCE STREET EUNICE STREET TO HEARST AVENUE	PLAN: 8284
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: AB	VERT.: N/A			FILE: 501-641
CITY ENGINEER: _____	APPROVED: _____	CHECK: _____	AS BUILT: _____	BOOK: _____			REVISION: _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES		DATE: 4-29-24		DATE: 4-29-24			MARK: _____



SPRUCE STREET  
1"=30'  
NORTH

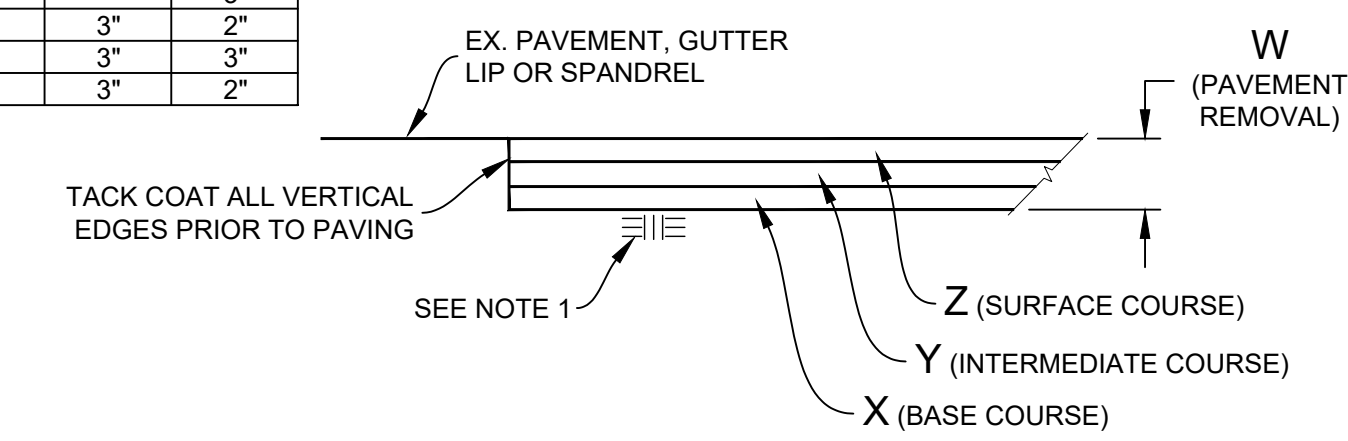


SPRUCE STREET  
1"=30'  
NORTH

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

CONSTRUCTION NOTES:

- (24) REMOVE & REPLACE WHITE RPM (ON TOP OF CURB SPACE @ 1' ON CENTER; 7 EA. @ VINE STREET).
- (25) REMOVE & REPLACE YELLOW RPM (SPACE @ 1' ON CENTER; 12 EA. @ VINE STREET).
- (33) SURVEY MONUMENT, PROTECT IN PLACE.

BORING LOG

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C18	6-1/2"	0"	-	N
C19	5-1/2"	0"	-	Y
C20	5-1/4"	0"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



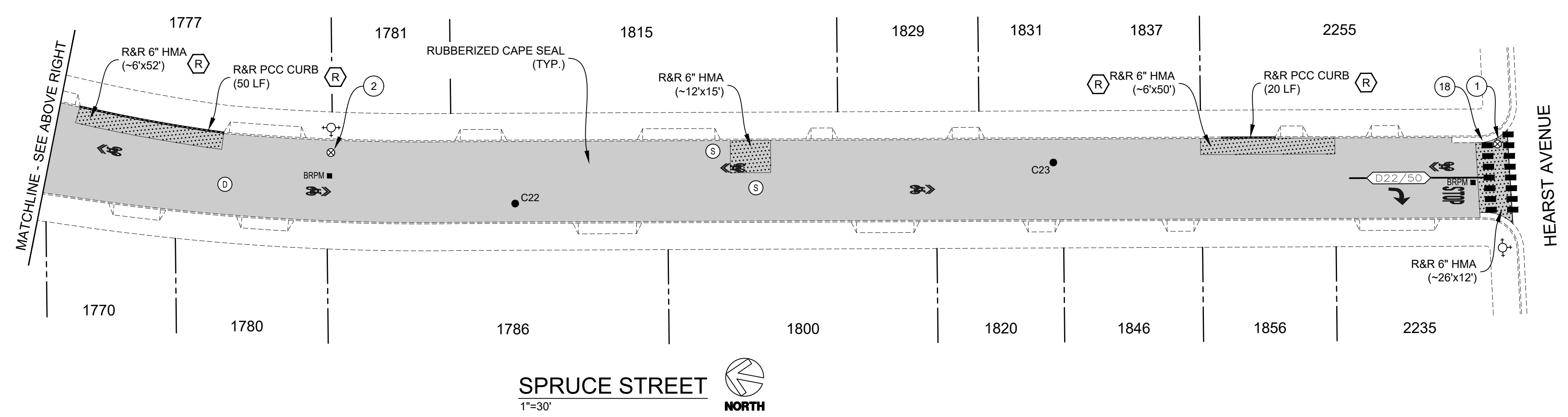
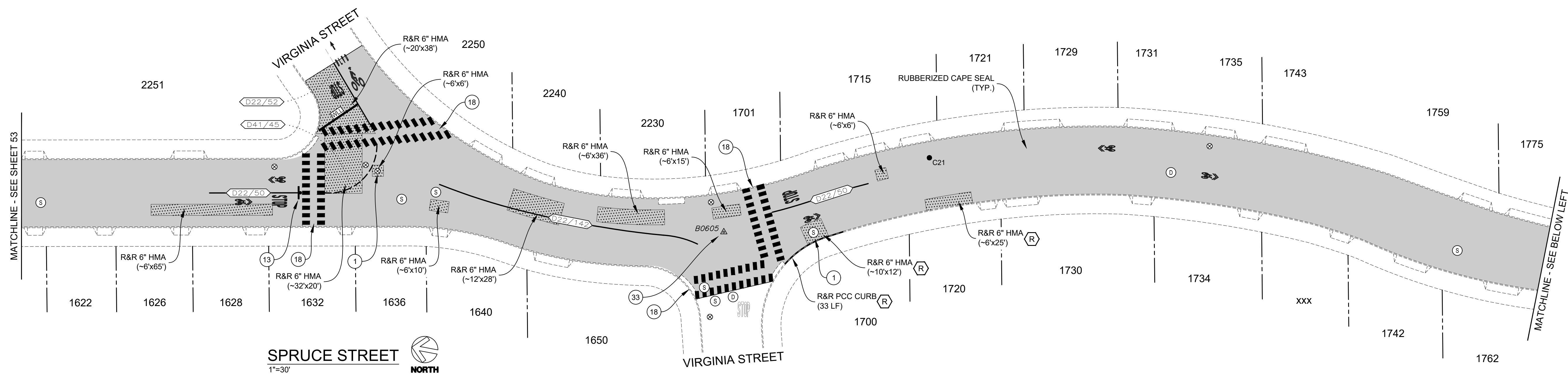
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=30'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ EXP. _____	DRAWN: <u>AB</u>	VERT.: <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____ EXP. _____	AS BUILT: _____	DATE: <u>4-29-24</u>

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
SPRUCE STREET  
EUNICE STREET TO HEARST AVENUE

PLAN	8284
FILE	501-641
SHEET	52 OF 63

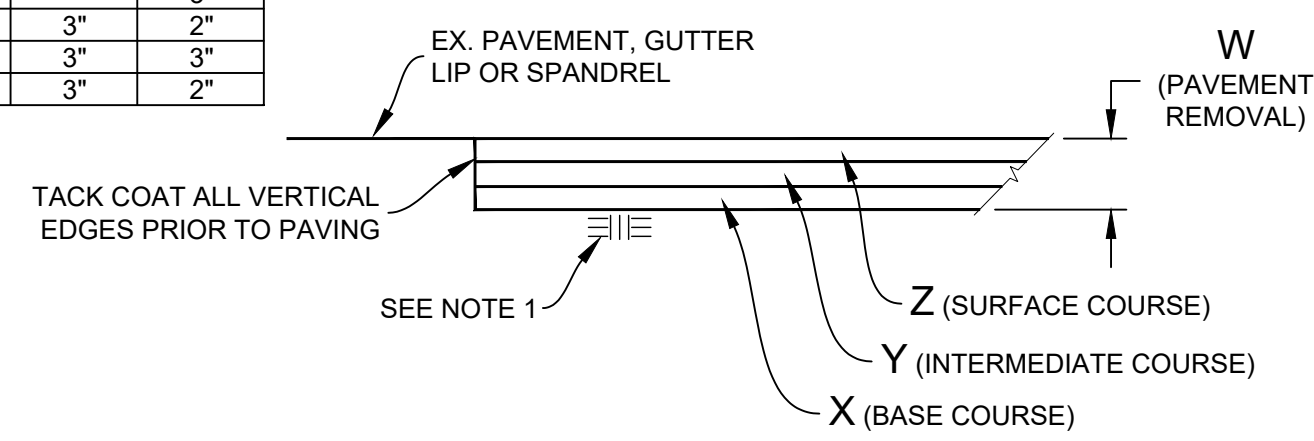
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ⑬ REMOVE & REPLACE ROADSIDE SIGN (R1-6).
- ⑱ REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- ③③ SURVEY MONUMENT; PROTECT IN PLACE.

**BORING LOG**

NO.	AC	PCC	R-VALUE	FABRIC (Y/N)
C21	3-1/2"	6-1/2"	-	Y
C22	5-1/2"	6"	-	Y
C23	5"	6-1/2"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

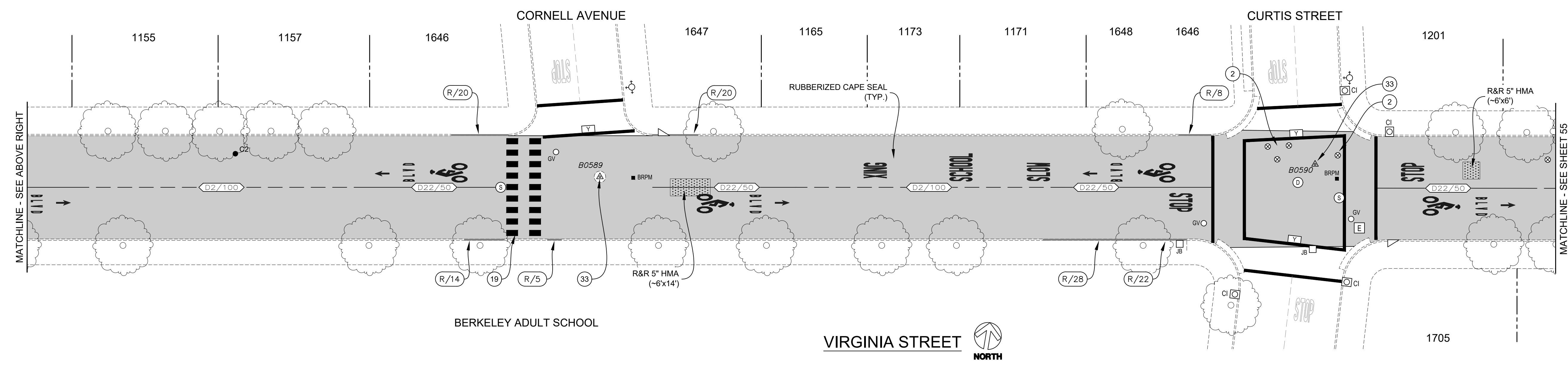
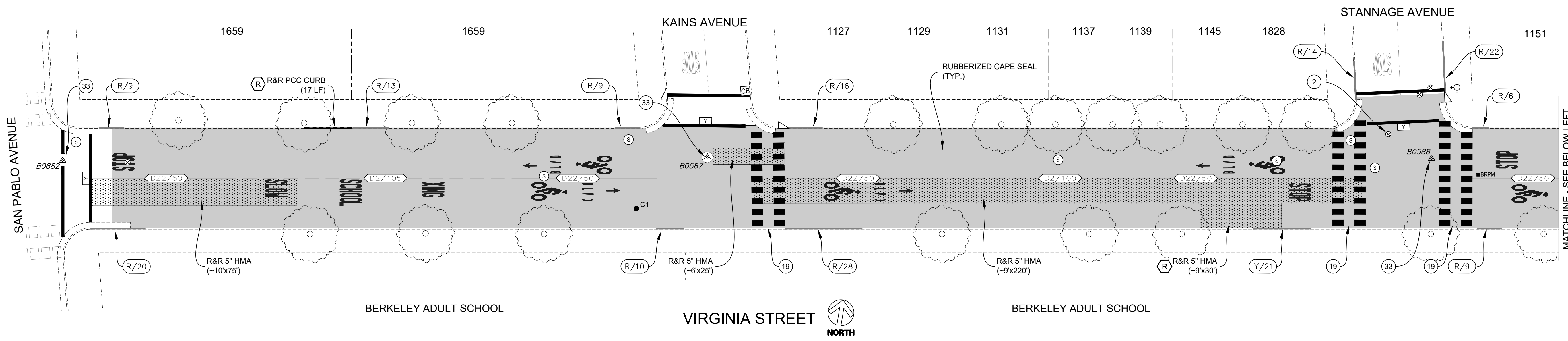


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=30'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>AB</u>	VERT.: <u>N/A</u>
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER _____	APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
			AS BUILT: _____	DATE: <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

STREET REHABILITATION FY 2024  
SPRUCE STREET  
EUNICE STREET TO HEARST AVENUE

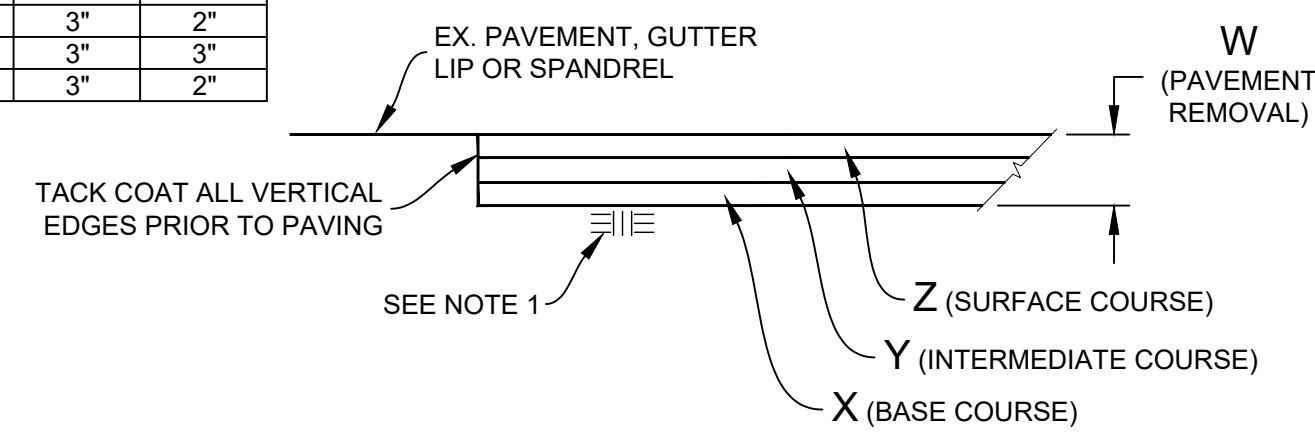
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ② INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- ⑬ REMOVE & REPLACE YELLOW TRIPLE FOUR CROSSWALK (THERMO).
- ⑬ SURVEY MONUMENT; PROTECT IN PLACE.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C1	5"	-	-	N
C2	3"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

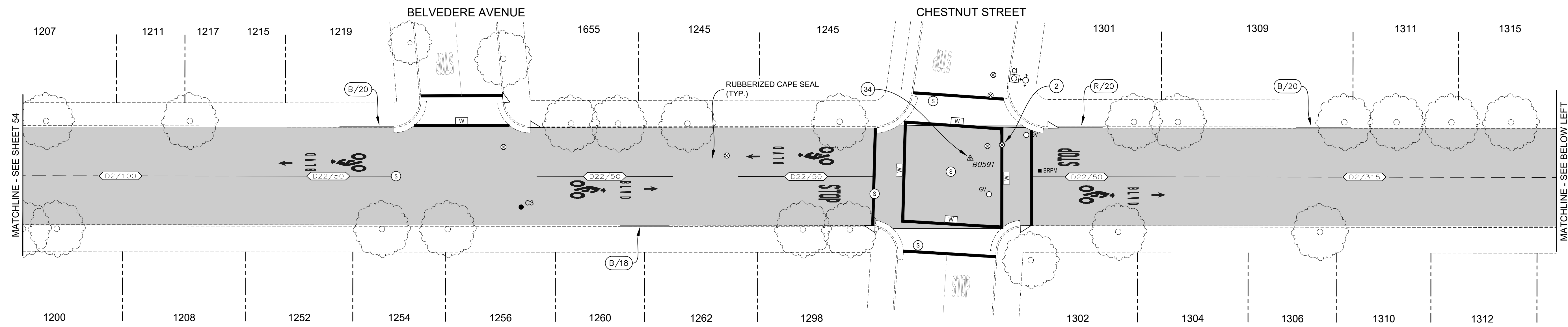


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: <u>JL</u>	VERT. <u>N/A</u>
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER _____	APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
			AS BUILT _____	DATE <u>4-29-24</u>

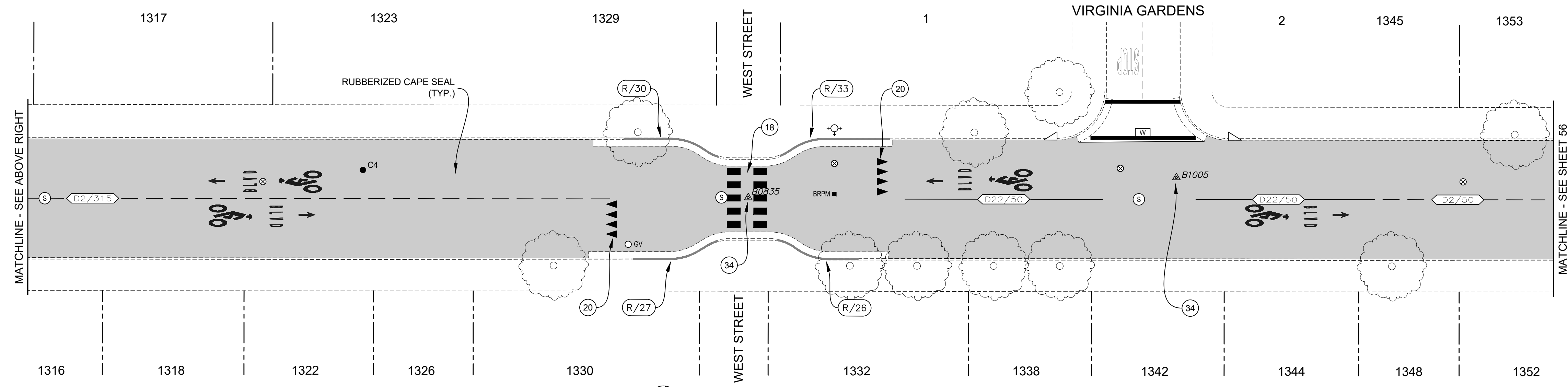
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
VIRGINIA STREET  
SAN PABLO AVENUE TO  
MARTIN LUTHER KING JR WAY

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



VIRGINIA STREET  
NORTH

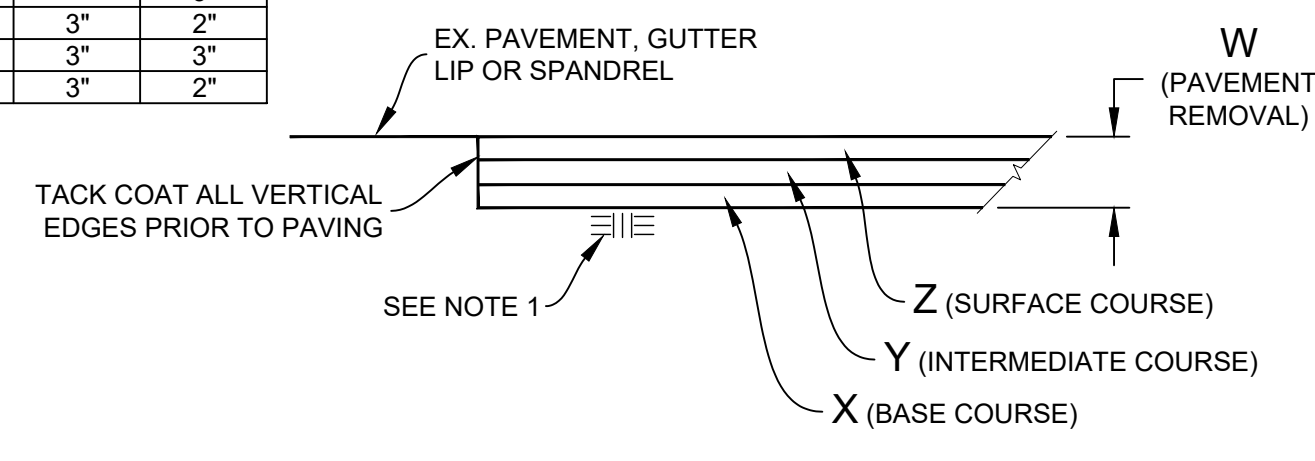


VIRGINIA STREET  
NORTH

DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- (2) INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- (18) REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- (20) REMOVE & REPLACE WHITE YIELD LINE (THERMO).
- (34) SURVEY MONUMENT: REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C3	4-1/2"	-	-	N
C4	3"	-	-	N

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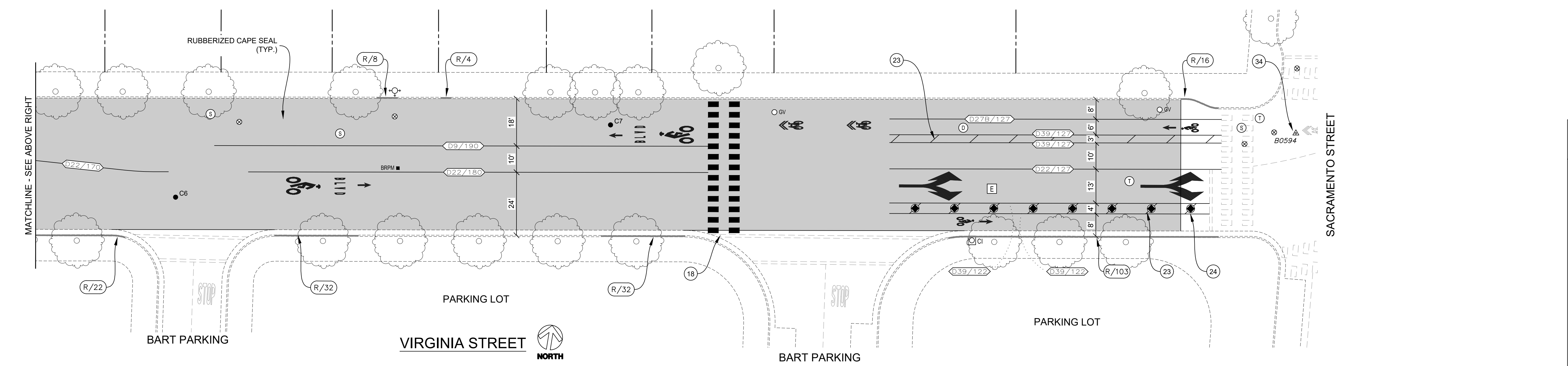
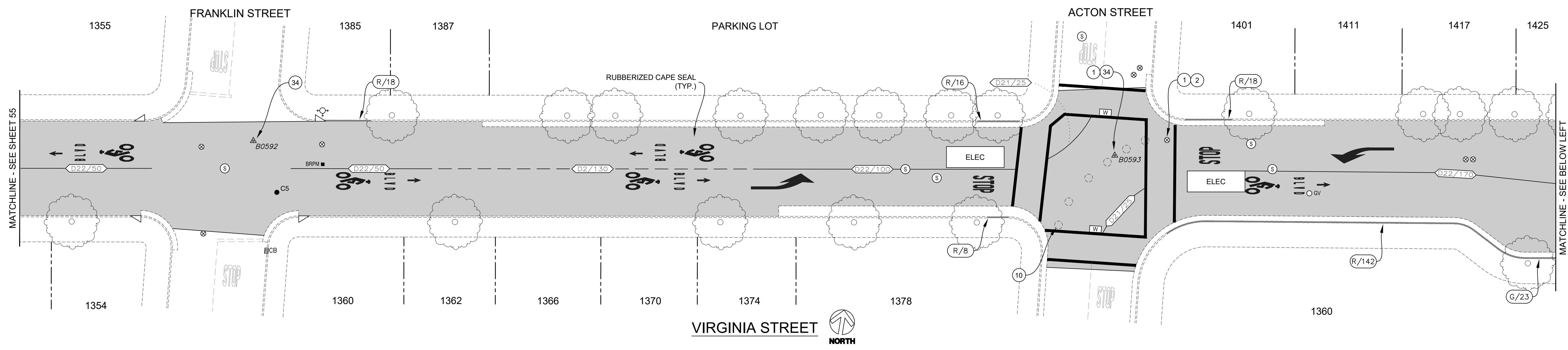
PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ EXP. _____	DRAWN: <u>JL</u>	VERT.: <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____
		CITY ENGINEER: _____ EXP. _____	AS BUILT: _____	DATE: <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
VIRGINIA STREET  
SAN PABLO AVENUE TO  
MARTIN LUTHER KING JR WAY

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8284  
FILE 501-641  
SHEET 55 OF 63



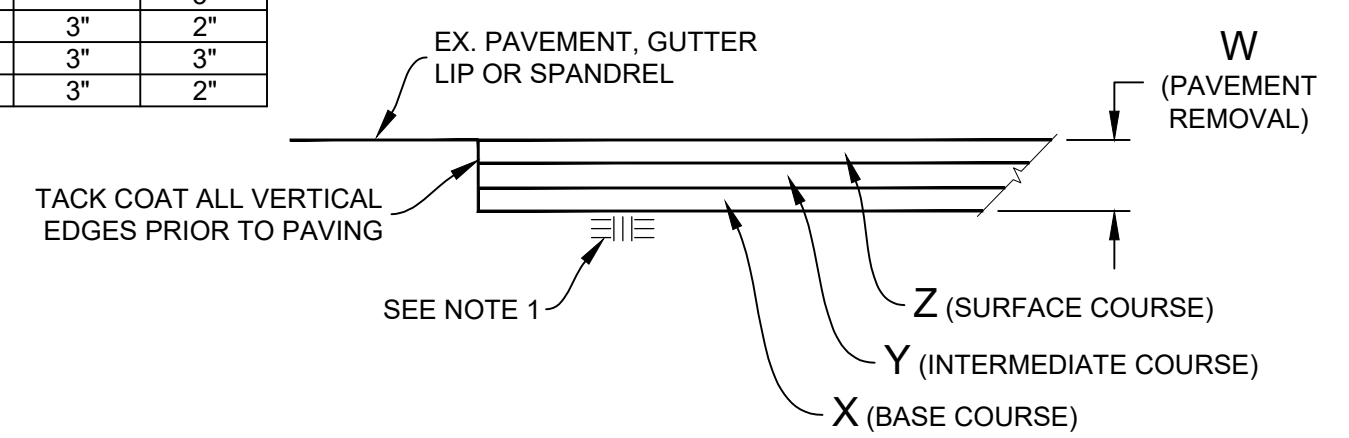
**CONSTRUCTION NOTES:**

- 1 LOWER UTILITY COVER PRIOR TO COLD PLANE.
- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 10 SALVAGE PLANTERS PRIOR TO COLD PLANE & REINSTALL AFTER CAPE SEAL OPERATION (6 EA).
- 18 REMOVE & REPLACE WHITE TRIPLE FOUR CROSSWALK (THERMO).
- 23 REMOVE & REPLACE 6" WHITE LINE (THERMO). SPACING SHALL BE 15' ON CENTER.
- 24 REMOVE & REPLACE WHITE DELINEATOR (8 EA). SPACING SHALL BE 15' ON CENTER.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

**DEPTH MEASUREMENTS**

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

**NOTE:**  
 1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
 NTS

**BORING LOG**

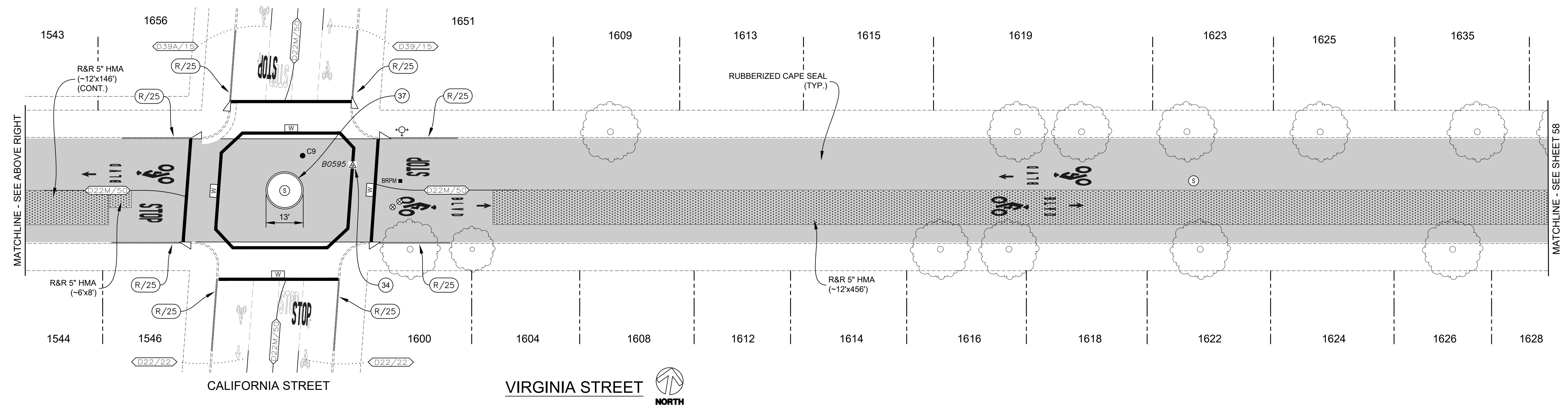
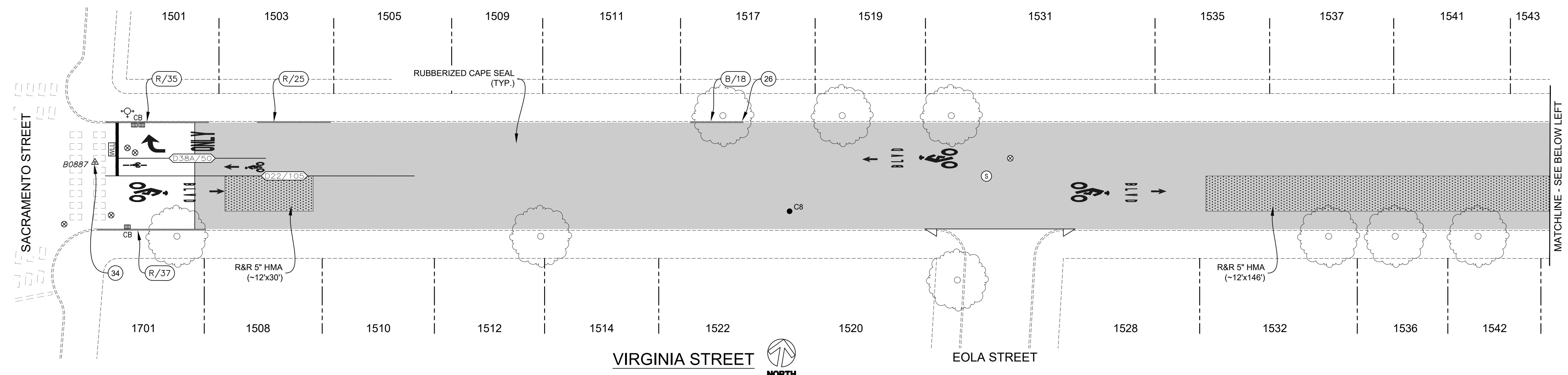
NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C5	3-1/2"	-	-	N
C6	16-1/2"	-	-	N
C7	13"	-	-	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>	<b>CITY OF BERKELEY</b> DEPARTMENT OF PUBLIC WORKS <b>STREET REHABILITATION FY 2024</b> VIRGINIA STREET SAN PABLO AVENUE TO MARTIN LUTHER KING JR WAY	PLAN: <u>8284</u>
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	SURVEY CHIEF OF PARTY: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>JL</u>	VERT.: <u>N/A</u>		FILE: <u>501-641</u>
	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____		REVISION: _____
		CITY ENGINEER: _____ DATE _____	AS BUILT: _____	DATE: <u>4-29-24</u>		SHEET <u>56</u> OF <u>63</u>

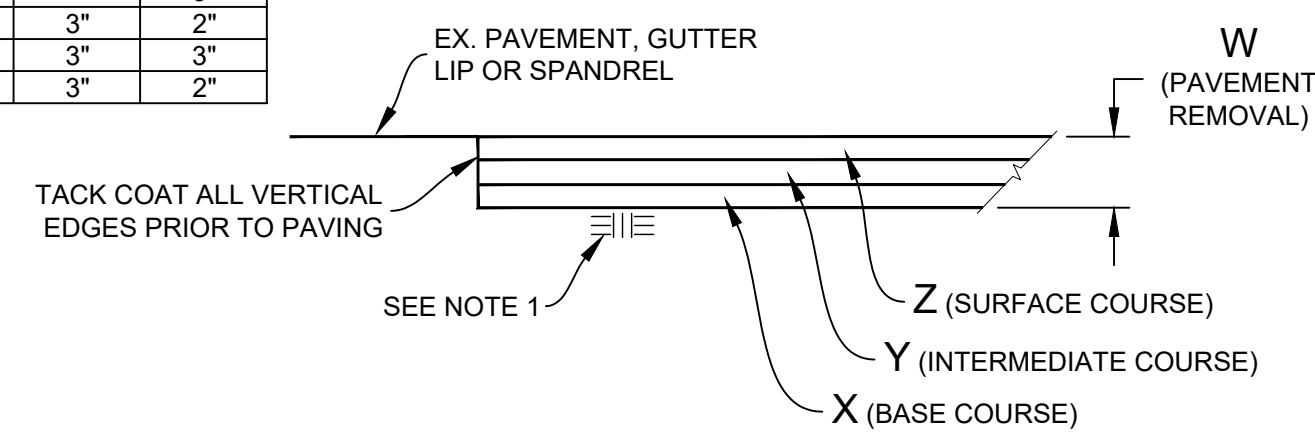




DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



REMOVE & REPLACE HMA  
(VARIOUS DEPTHS)  
NTS

CONSTRUCTION NOTES:

- (26) REPLACE ADDRESS STENCIL.
- (34) SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).
- (37) CONSTRUCT NEW TRAFFIC CIRCLE. CONCRETE, STRIPING & SIGNAGE LAYOUT SHALL BE PER "TYPICAL TRAFFIC CIRCLE DESIGN" & "TRAFFIC CIRCLE" STANDARD DETAILS ON SHEET 62.

BORING LOG

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C8	4-1/2"	4"	-	Y
C9	2"	12"	10	N

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).

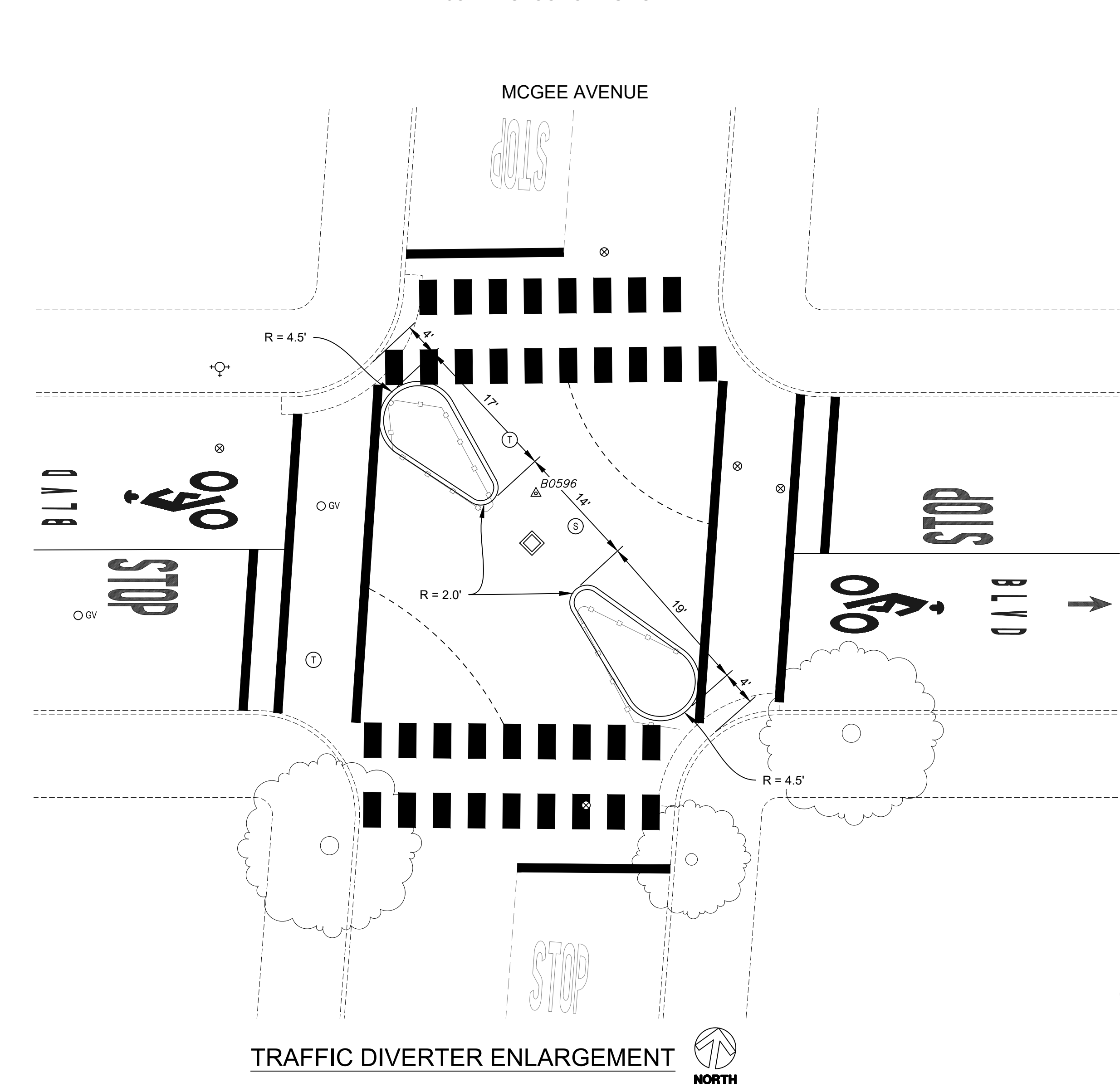
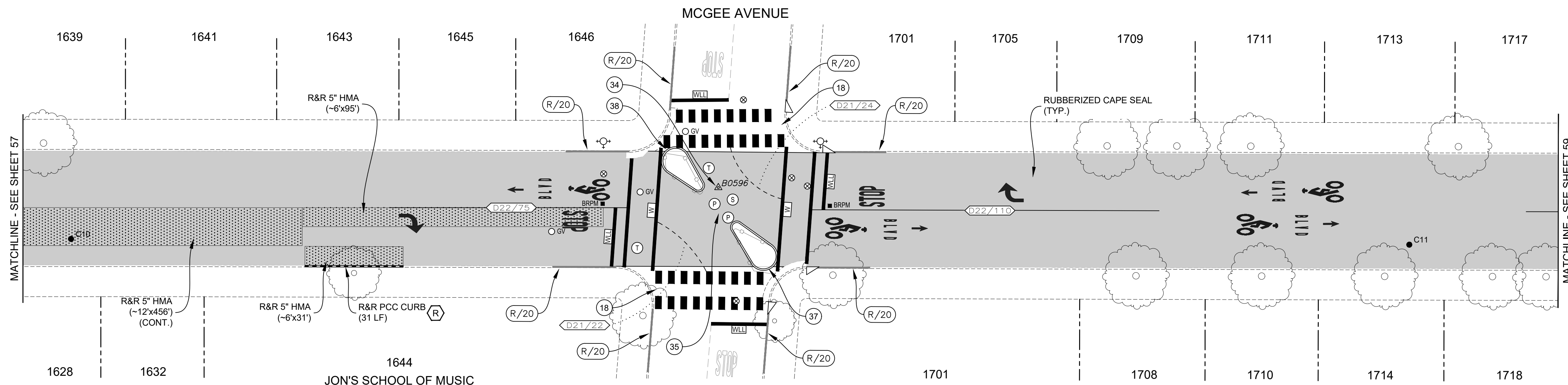


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>JL</u>	VERT. <u>N/A</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE <u>4-29-24</u>

CITY OF BERKELEY  
DEPARTMENT OF PUBLIC WORKS

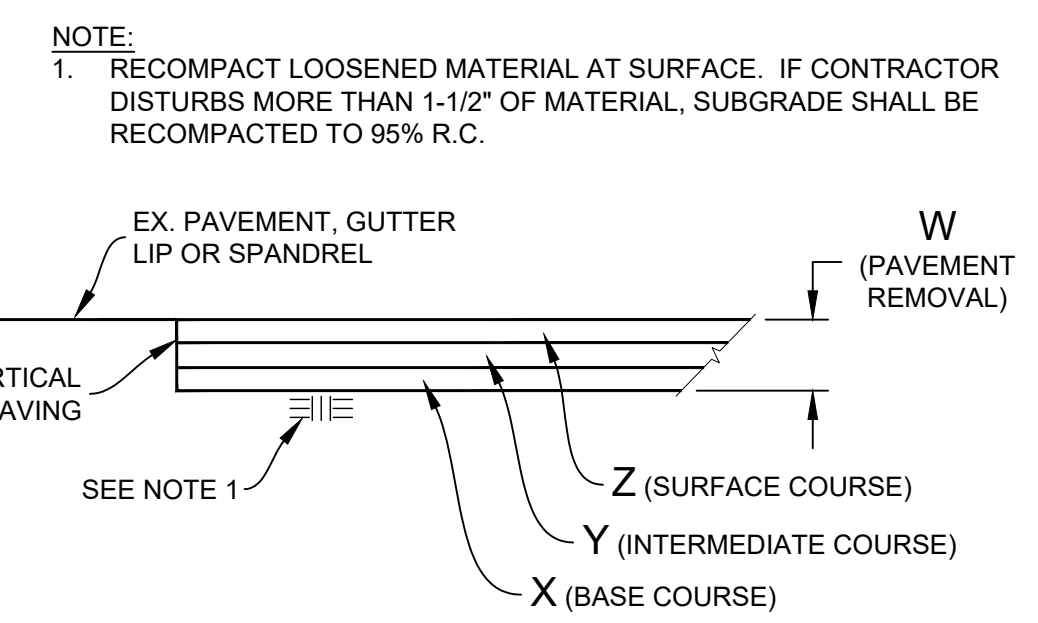
STREET REHABILITATION FY 2024  
VIRGINIA STREET  
SAN PABLO AVENUE TO  
MARTIN LUTHER KING JR WAY

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- 1 LOWER UTILITY COVER PRIOR TO COLD PLANE.
- 2 INSTALL G-5 FRAME & COVER FURNISHED BY EBMUD.
- 18 INSTALL WHITE TRIPLE FOUR CROSSWALK (THERMO), TYP.
- 34 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).
- 35 SALVAGE EXISTING PLANTERS & RETURN TO CITY (2 EA).
- 38 REMOVE EXISTING GUARD RAILS, POST, & FOOTINGS. BACKFILL ANY RESULTING VOIDS WITH 1/2" HMA (TYPE A). CONSTRUCT NEW TRAFFIC DIVERTER PER ENLARGEMENT ON THIS SHEET. NEW STRIPING & SIGNAGE SHALL BE PER "TRAFFIC DIVERT" DETAIL ON SHEET 62.

**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C10	3"	5"	-	Y
C11	6"	10"	-	Y
C12	3"	7"	10	Y

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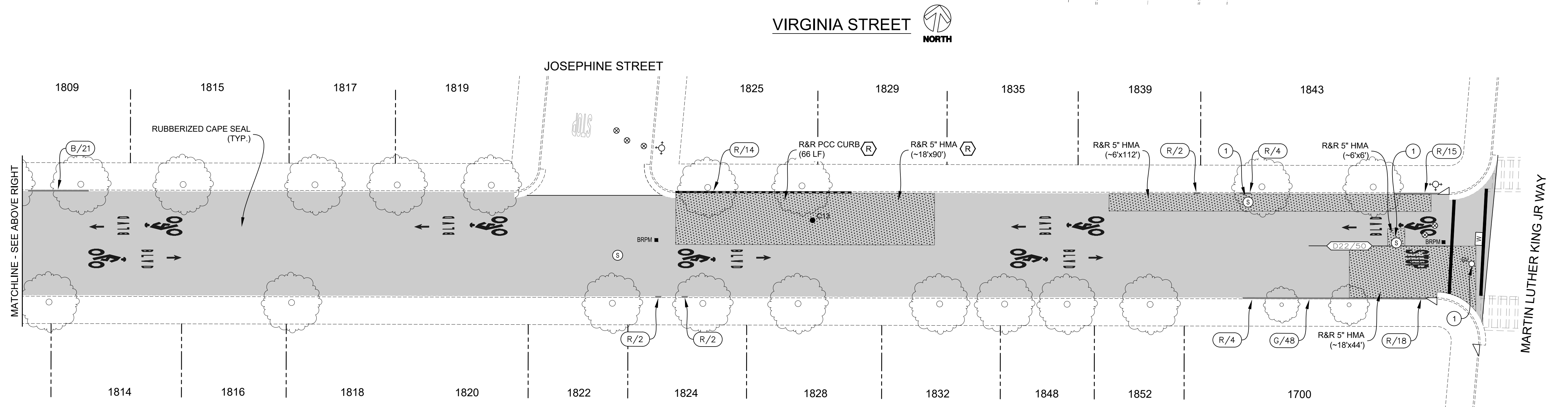
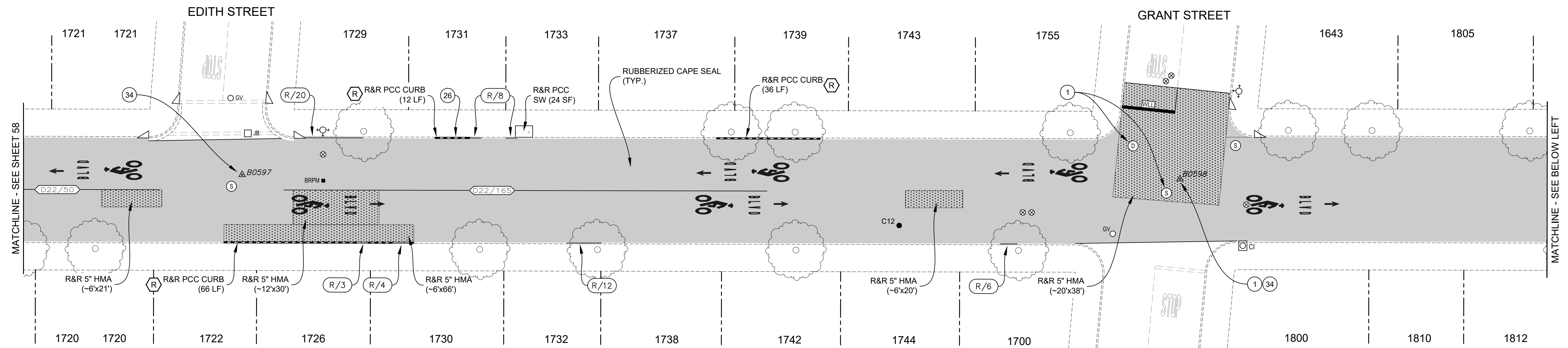


PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ. <u>1"=20'</u>
WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	CITY ENGINEER: _____ DATE _____	DRAWN: <u>JL</u>	VERT. <u>N/A</u>
			CHECK: _____	BOOK _____
			AS BUILT _____	DATE <u>4-29-24</u>

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
VIRGINIA STREET  
SAN PABLO AVENUE TO  
MARTIN LUTHER KING JR WAY

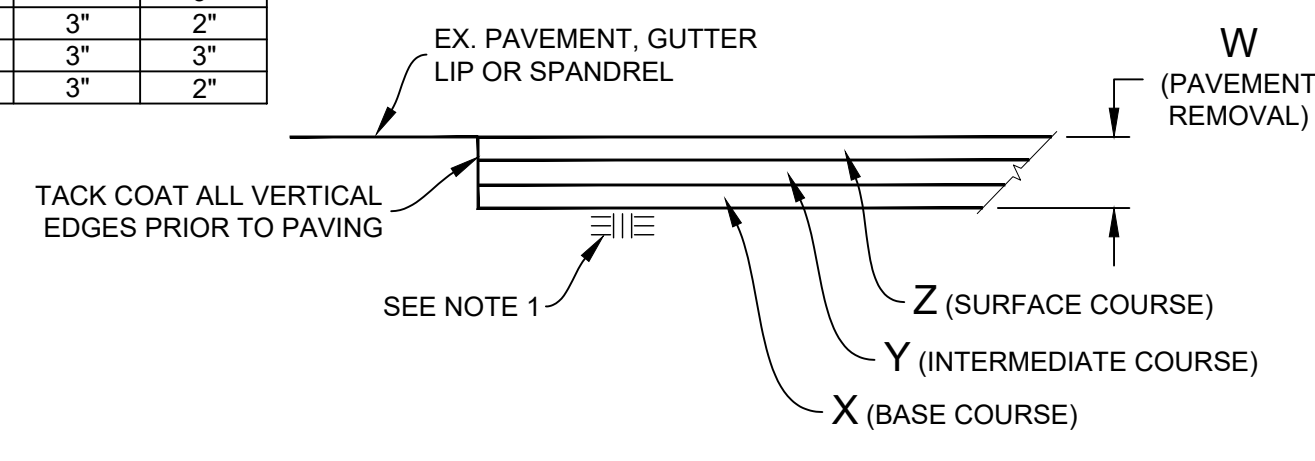
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



DEPTH MEASUREMENTS

W	X	Y	Z
4"	2"	-	2"
5"	3"	-	2"
6"	3"	-	3"
8"	3"	3"	2"
9"	3"	3"	3"
11"	6"	3"	2"

NOTE:  
1. RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACTED TO 95% R.C.



**REMOVE & REPLACE HMA (VARIOUS DEPTHS)**  
NTS

**CONSTRUCTION NOTES:**

- ① LOWER UTILITY COVER PRIOR TO COLD PLANE.
- ②6 REPLACE ADDRESS STENCIL.
- ③4 SURVEY MONUMENT; REMOVE & REPLACE WITH STANDARD STREET MONUMENT (SEE CITY PLAN NO. 8090).

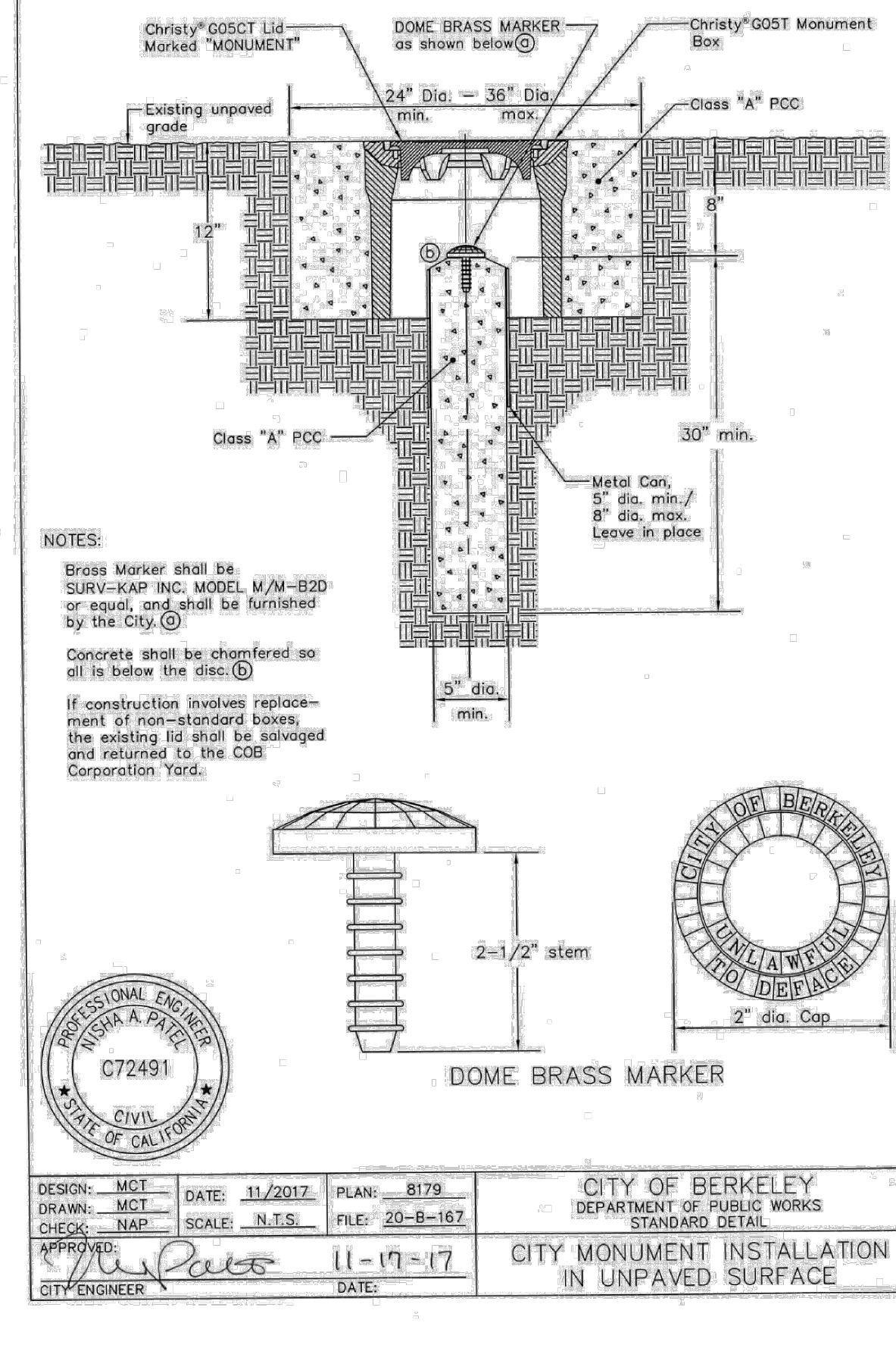
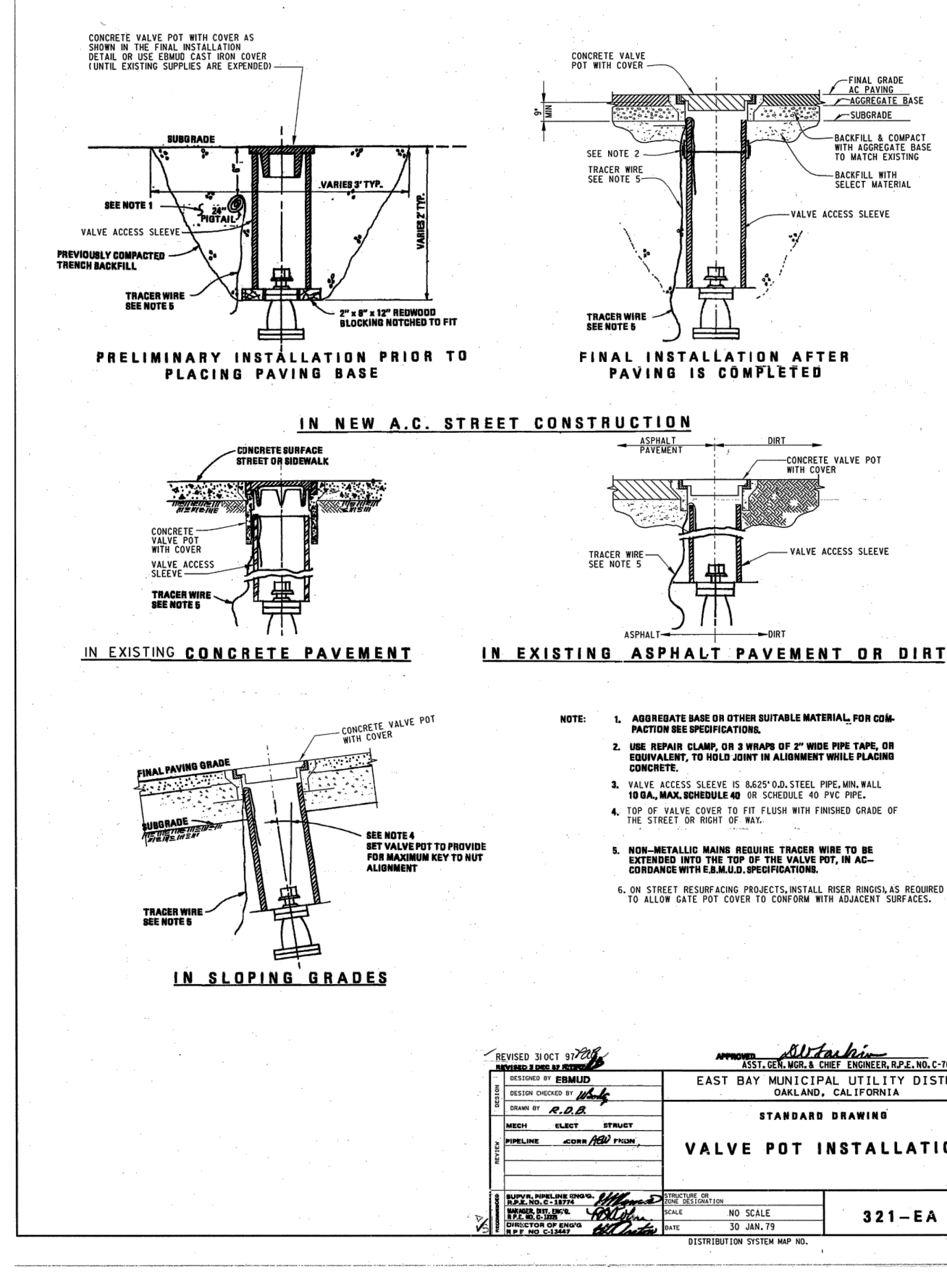
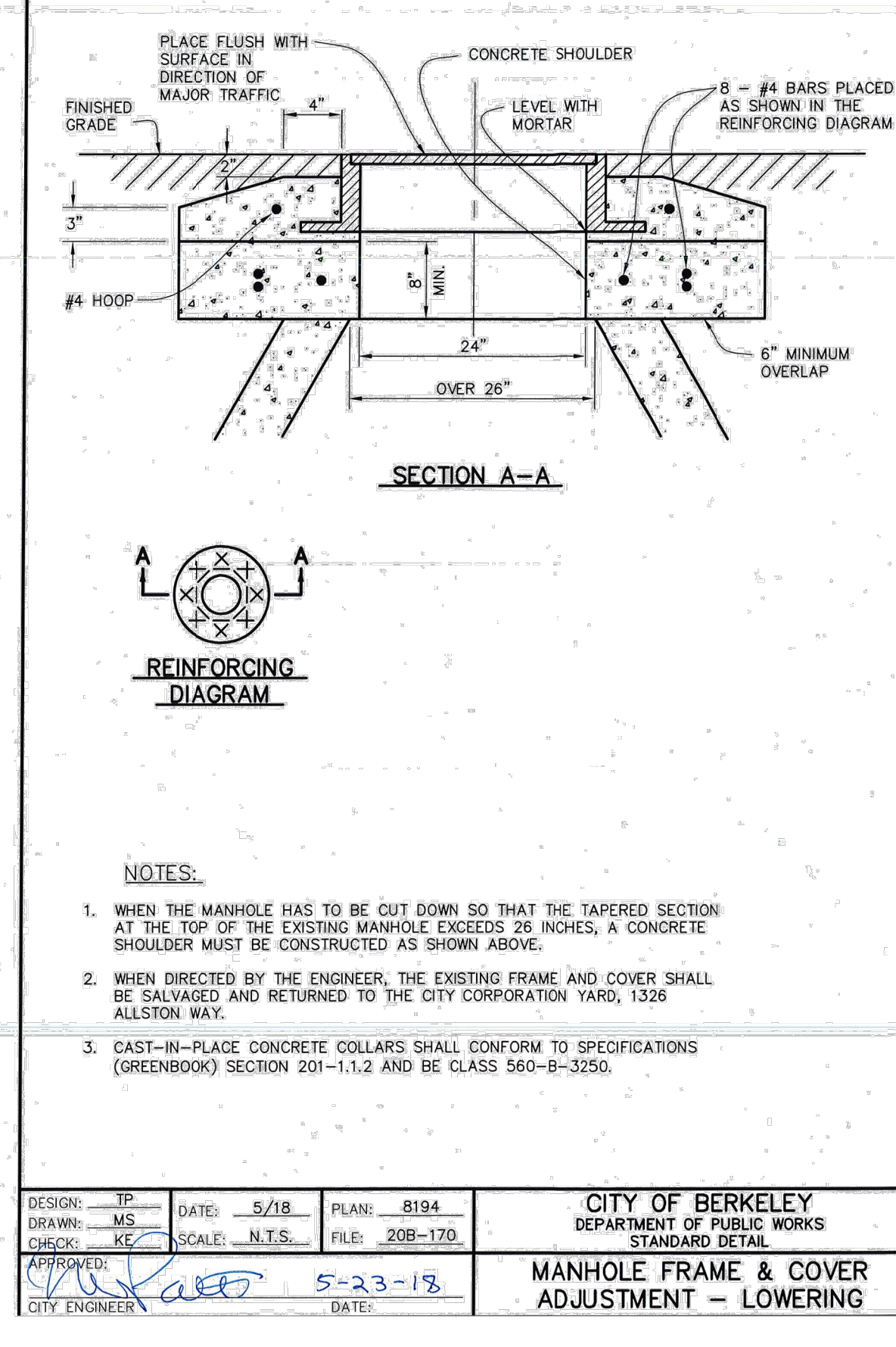
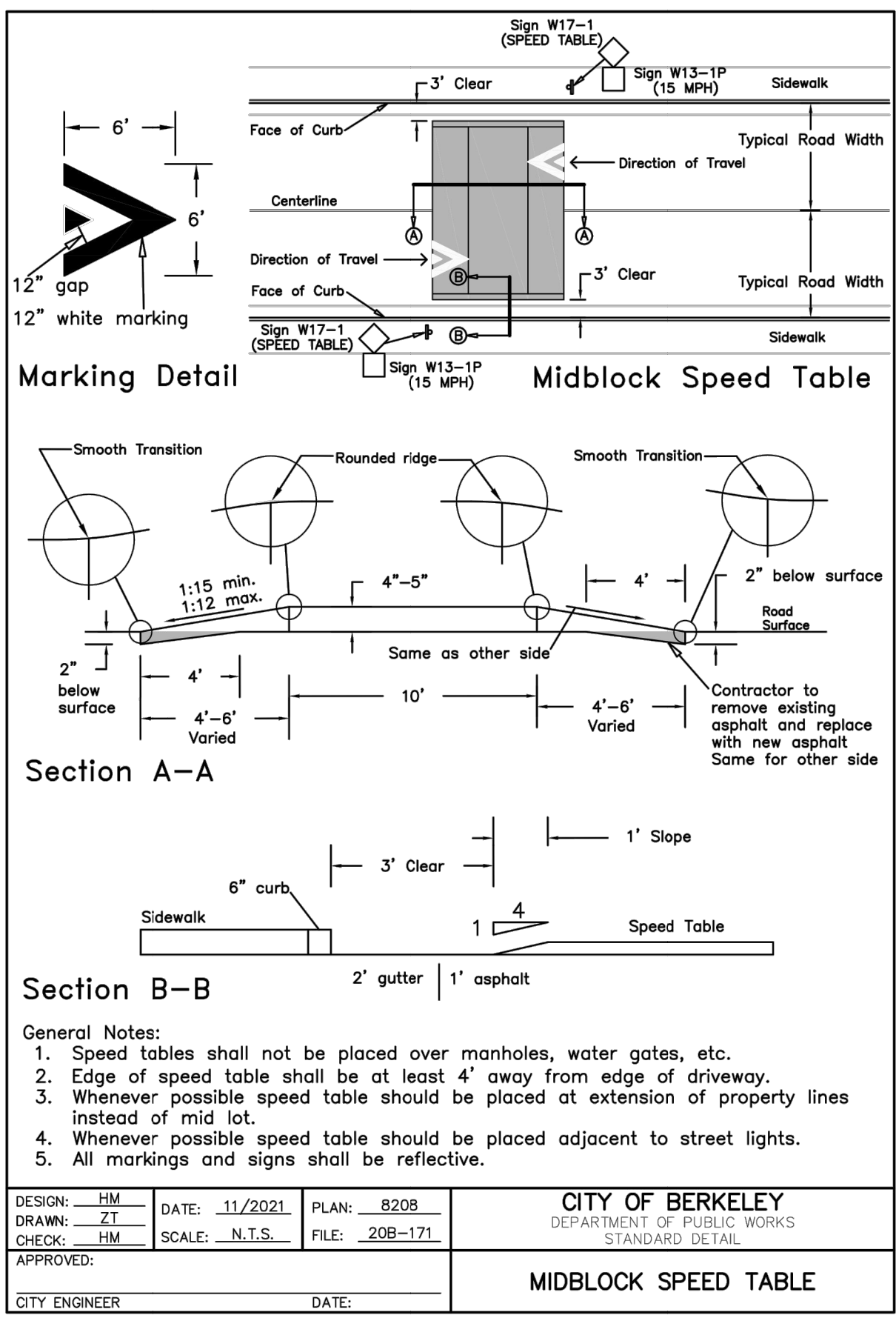
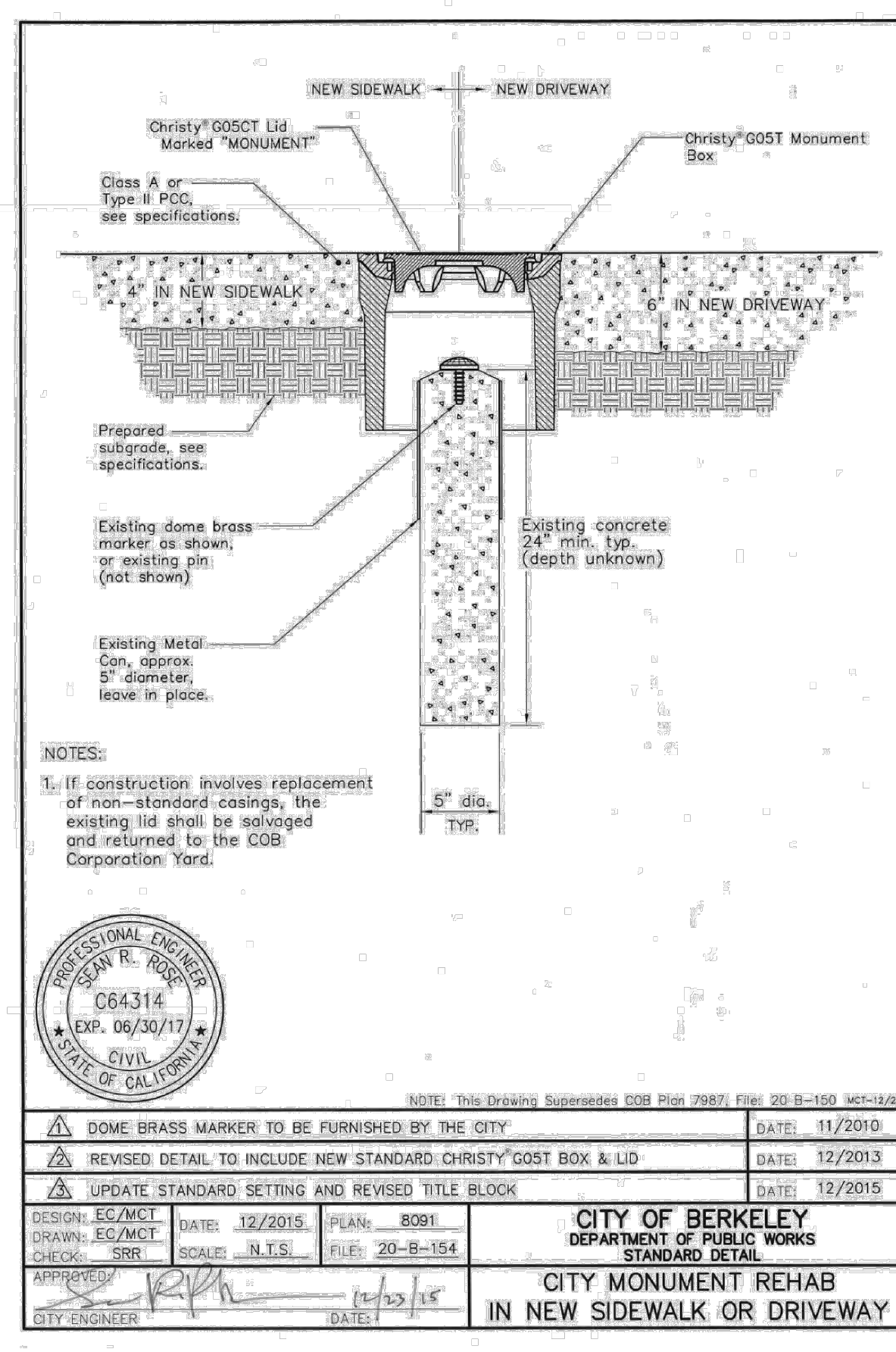
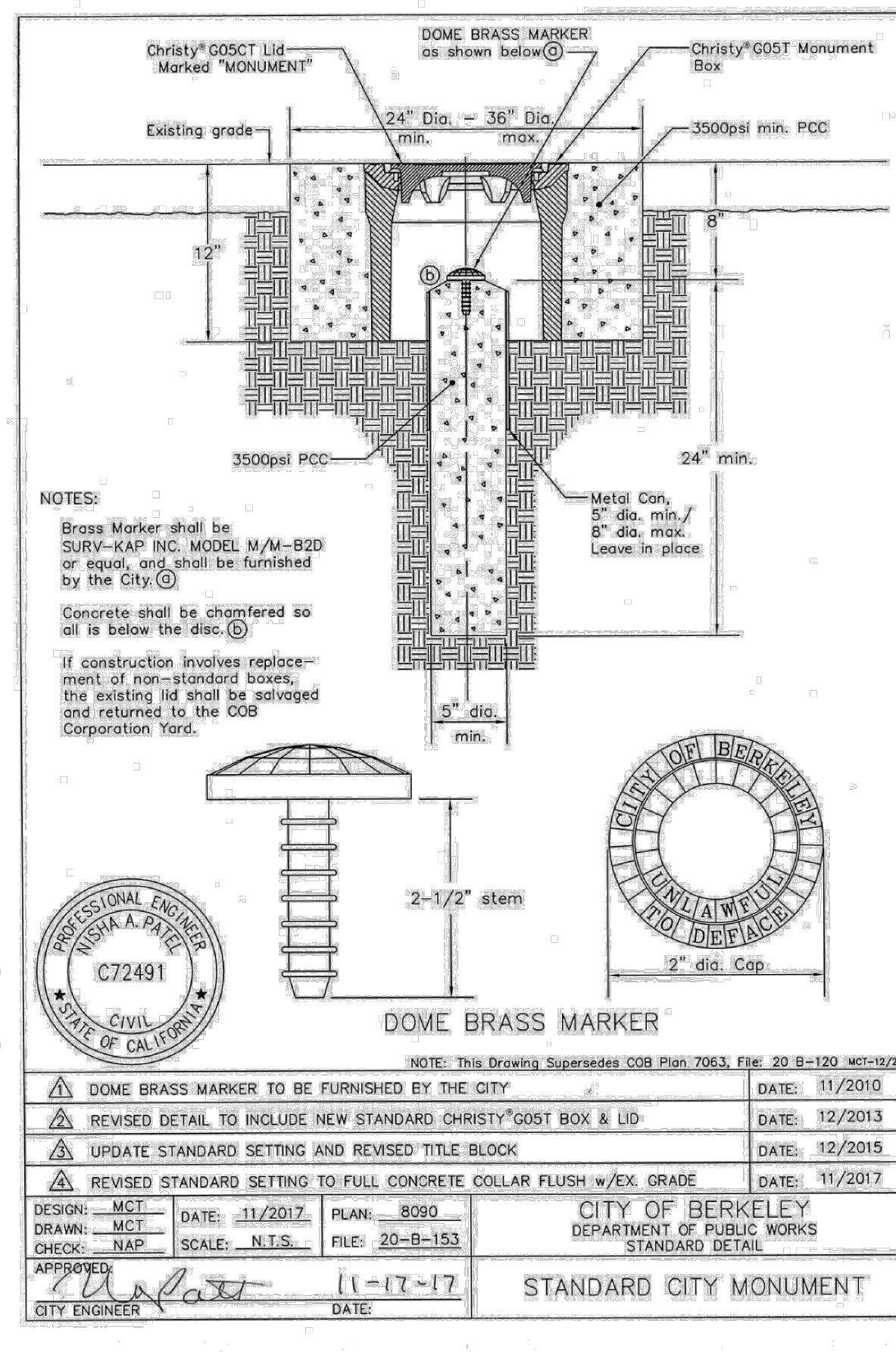
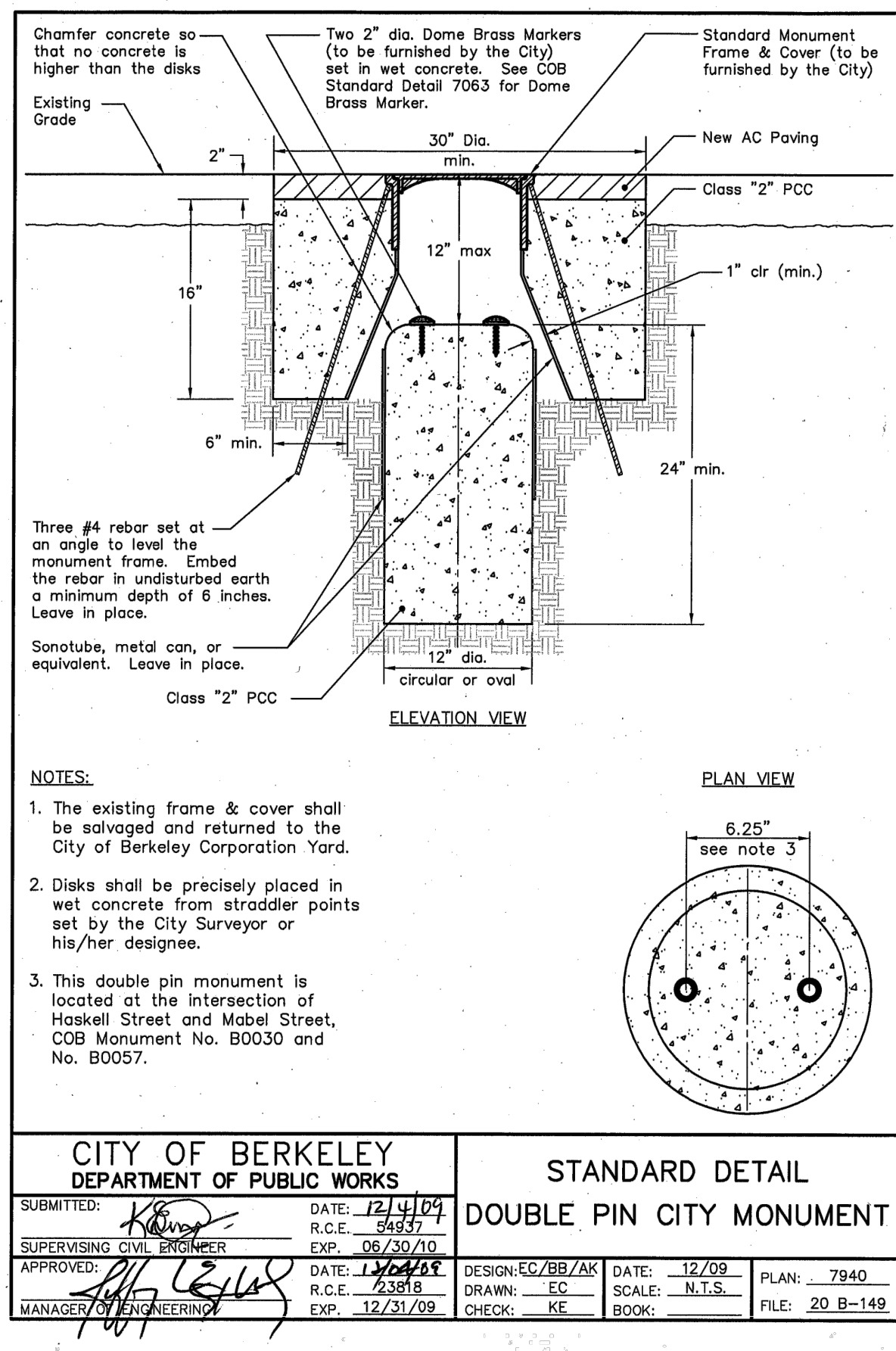
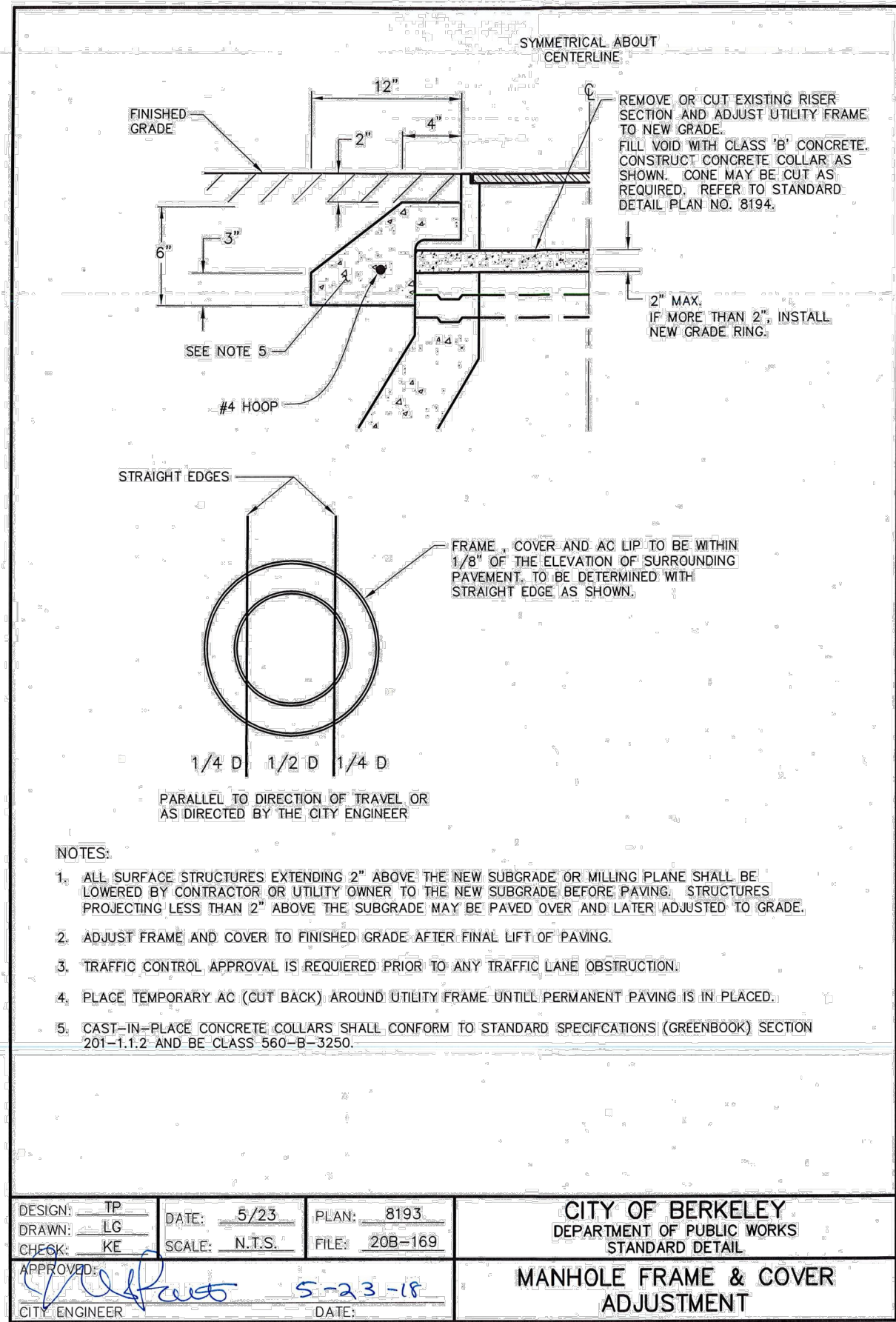
**BORING LOG**

NO.	AC	AB	R-VALUE	FABRIC (Y/N)
C13	3"	8"	-	Y

\*CORING DATA IS FOR INFORMATION ONLY. EXISTING SECTION MAY VARY FROM SECTION(S) FOUND AT CORING LOCATION(S). FABRIC MAY BE PRESENT IN SECTIONS EVEN IF NOT FOUND AT CORING LOCATION(S).



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>AB</u>	HORIZ.: <u>1"=20'</u>	<b>CITY OF BERKELEY</b> DEPARTMENT OF PUBLIC WORKS <b>STREET REHABILITATION FY 2024</b> VIRGINIA STREET SAN PABLO AVENUE TO MARTIN LUTHER KING JR WAY	PLAN: <u>8284</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: <u>JL</u>	VERT.: <u>N/A</u>		FILE: <u>501-641</u>
		APPROVED: _____ DATE _____	CHECK: _____	BOOK: _____		REVISION MARK DATE APPROVAL
		CITY ENGINEER: _____	AS BUILT: _____	DATE: <u>4-29-24</u>		
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES						



PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: AB	HORIZ.: N/A
SURVEY CHIEF OF PARTY: _____ DATE _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: AB	VERT.: N/A
		APPROVED: _____ DATE _____	CHECK: Value	BOOK: _____
		CITY ENGINEER: _____ DATE _____	AS BUILT	DATE: 4-29-24

- GENERAL NOTES FOR CONCRETE FLAT WORK**
- CURB RAMPS SHALL CONFORM TO THE LATEST EDITION AND REVISED STANDARD PLAN (SSP) OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION) STANDARD SPECIFICATIONS AND STANDARD PLAN ASSA AND ASSB.
  - PORTLAND CEMENT CONCRETE FOR SIDEWALK, CURB, DRIVEWAY, GUTTER AND VALLEY GUTTER SHALL BE MINOR CONCRETE CONFORMING TO THE REQUIREMENTS OF SECTION 50-2 "MINOR CONCRETE" OF THE (CALIFORNIA DEPARTMENT OF TRANSPORTATION) STANDARD SPECIFICATIONS. NO BAGGED MIX IS PERMITTED.
  - BUS PAD CONCRETE SHALL BE DESIGNED WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AND SHALL BE SAMPLING (3 CYLINDERS REQ'D) AND TESTED.
  - EXISTING SUBGRADE SURFACE SHALL BE RE-GRADED (IF NECESSARY) AND RE-COMPACTED (MIN 95% RELATIVE COMPACTION) TO CONFORM TO THE GRADES SHOWN ON THE PLANS.
  - NEW CONCRETE WORK SHALL MATCH EXISTING IN FINISH, SCORE PATTERN, AND COLOR, OR AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
    - a) ROSE COLORED CONCRETE SHALL CONTAIN 6 POUNDS OF DAVIS #160 (ROSE) PER CUBIC YARD.
    - b) ALL OTHER CONCRETE SHALL CONTAIN 1.5 POUND OF LAMPBLACK PER CUBIC YARD.
  - NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF THE ENGINEER.
  - CURBS, SIDEWALKS, DRIVEWAYS, AND CURB RAMPS SHALL HAVE FORMS REMOVED AND BE BACKFILLED WITHIN 3 DAYS AFTER PLACING CONCRETE. CONCRETE SHALL BE ALLOWED TO CURE FOR AT LEAST 48 HOURS PRIOR TO BACKFILLING.
  - MAXIMUM SLUMP OF FRESH CONCRETE PERMITTED IN THESE ITEMS SHALL BE 4 INCHES. SLUMP SHALL BE DETERMINED BY EITHER ASTM C-143 OR CALIFORNIA TEST METHOD NO. 520 AT THE ENGINEER'S DISCRETION. CONCRETE SHALL BE TRANSPORTED IN TRUCK MIXERS OR AGITATORS AND DISCHARGED WITHIN 70 MINUTES OF LEAVING THE PLANT.
  - WEAKENED PLANE JOINTS AT LEAST 1-1/2 INCHES DEEP AND 1/8 INCHES WIDE SHALL BE PLACED AT 10 FEET MAXIMUM SPACING.
  - EXPANSION JOINT FILLER FOR CONCRETE (BITUMINOUS TYPE) MUST BE IN COMPLIANCE WITH ASTM D 994.
  - ALL NEW CURBS, SIDEWALK, VALLEY GUTTER AND DRIVEWAYS CONSTRUCTED ADJACENT TO EXISTING CONCRETE CURB OR SIDEWALK SHALL BE DOWELED TO THE EXISTING CONCRETE. THE DOWELS SHALL BE #4 REBAR, 18 INCHES LONG AT 18 INCHES MAXIMUM SPACING. DOWELS SHALL BE EMBEDDED A MINIMUM OF 8-INCHES IN A 5/8" DIA DRILLED HOLE (EXIST. CONCR).
  - SIDEWALK SHALL BE CONSTRUCTED WITH EXPANSION JOINTS AT EACH BEGINNING OF CURVE (BO) AND END OF CURVE (EO).
  - CURB AND GUTTER, SIDEWALKS AND DRIVEWAYS SHALL BE GIVEN A MEDIAN BROOM FINISH. THE SURFACE SHALL FIRST BE GIVEN A FLOATED FINISH AND FINAL TROWELING SHALL BE DONE WITH A STEEL TROWEL. THE FINISHED SURFACE SHALL BE FREE OF ALL TROWEL MARKS AND SHALL BE UNIFORM IN TEXTURE AND APPEARANCE. BROOM TEXTURE SHALL BE IN THE LONGITUDINAL DIRECTION.
  - CLASS 2 AGGREGATE BASE (CL 2 AB) SHALL CONFORM TO THE CALTRANS STANDARD SPECIFICATIONS (LATEST EDITION) AND SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% RELATIVE COMPACTION.
  - EXISTING ASPHALT CONCRETE SHALL BE SAWCUT, REMOVED AND RECONSTRUCTED FOR A MINIMUM OF 2-Feet WITH EDGES OF CONCRETE WORK. HOT MIX ASPHALT SHALL BE A MINIMUM THICKNESS OF 8" AND CL 2 AB SHALL MATCH EXISTING THICKNESS, AS APPROVED BY THE CITY ENGINEER. SEE PLAN 8148 "CURB AND GUTTER RETROFIT" FOR ADDITIONAL REQUIREMENTS.

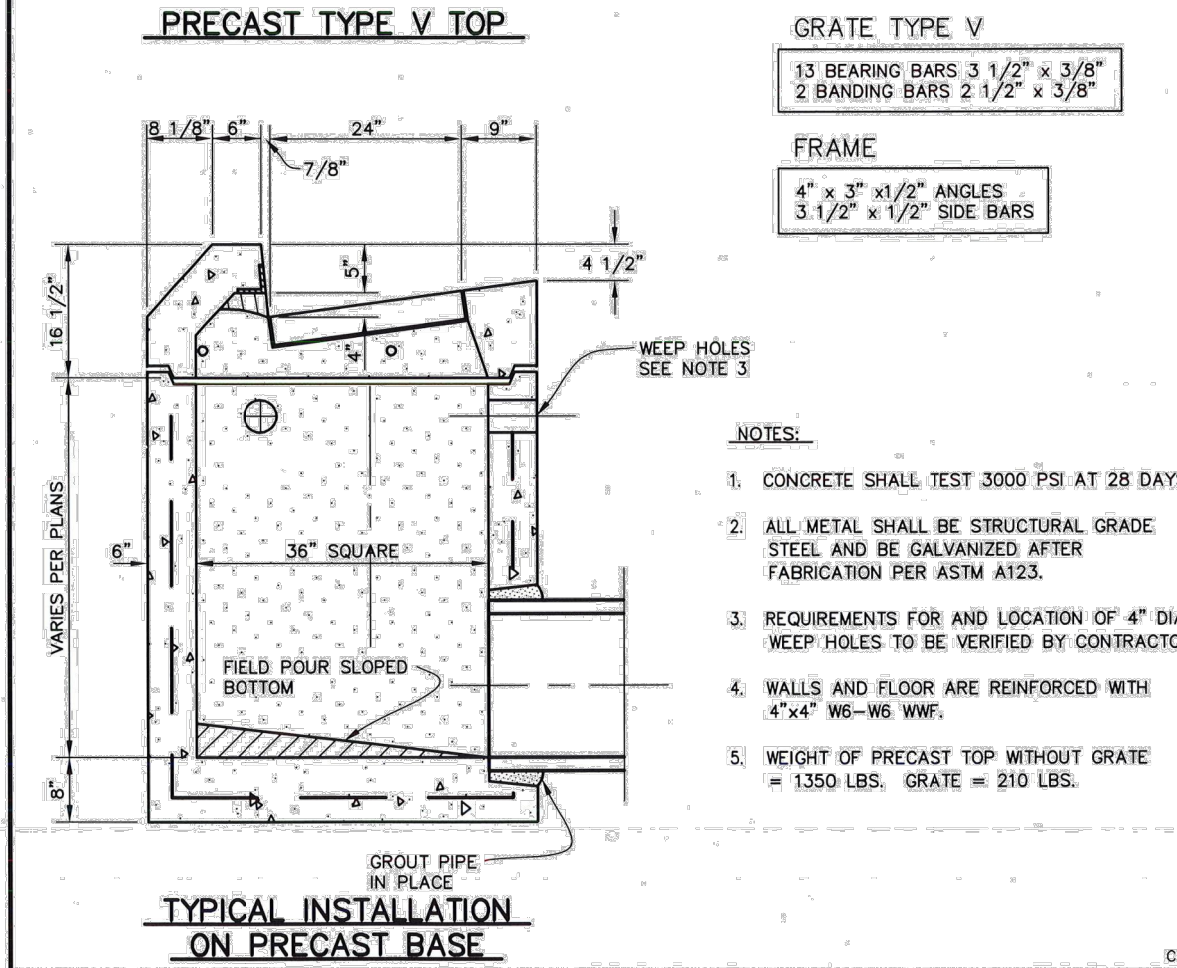
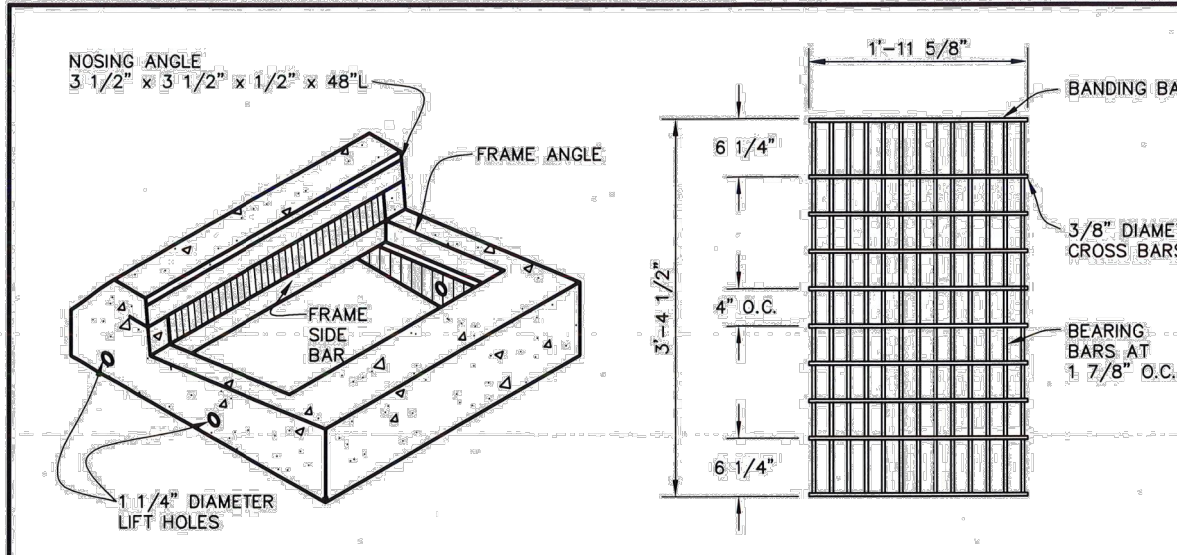
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STANDARD DETAIL**  
CONCRETE WORK NOTES

SUBMITTED: *D. Z. P.* DATE: 2/27/17  
SUPERVISING CIVIL ENGINEER R.C.E. 64582

APPROVED: *P. J. O.* DATE: 2/28/17  
MANAGER OF ENGINEERING R.C.E. 66014

DESIGN: HEI DATE: 01/26/17 PLAN: 8144  
DRAWN: HEI SCALE: N.T.S. FILE: 208-156  
CHECK: MS BOOK: SHEET: 1 OF 1



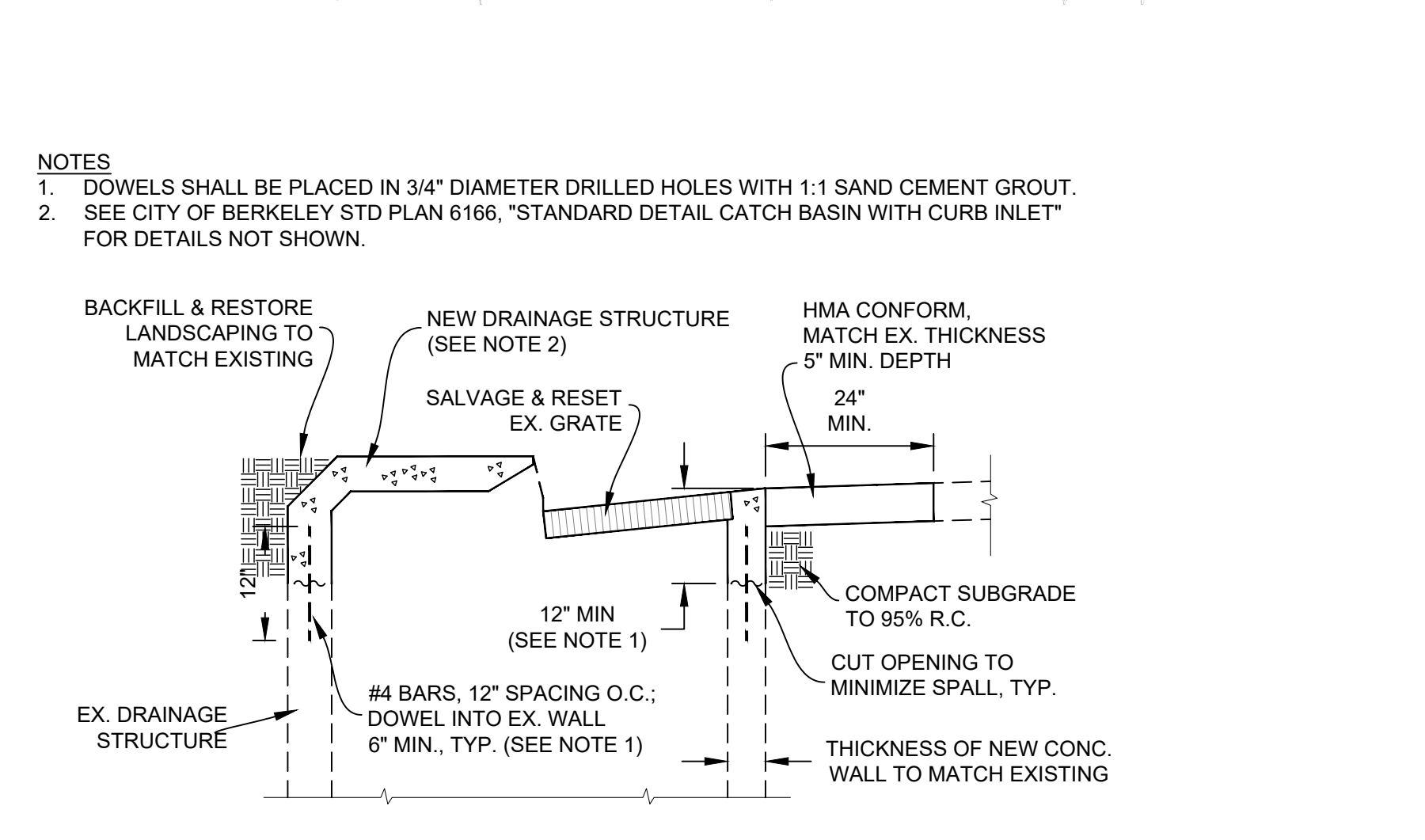
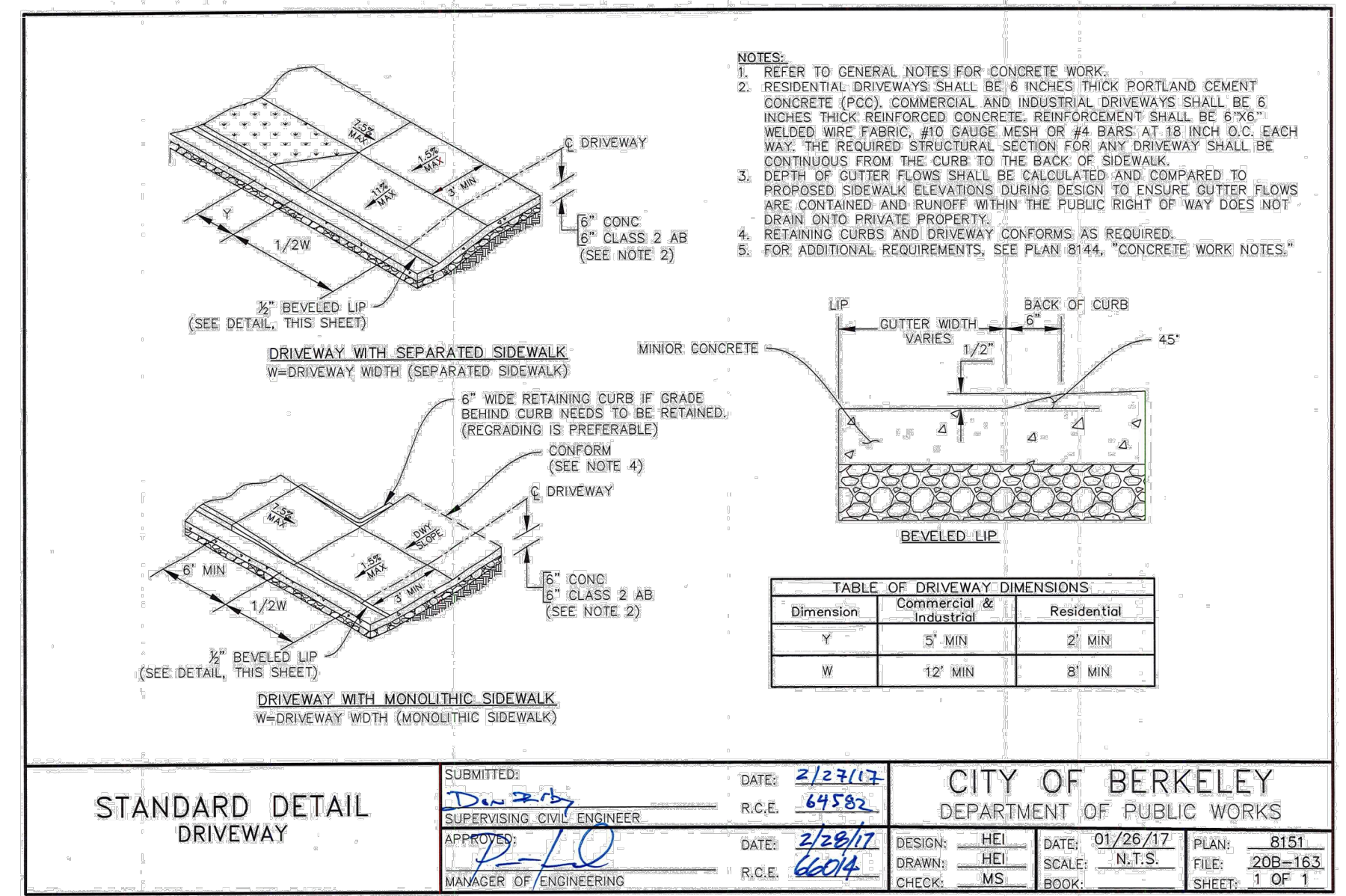
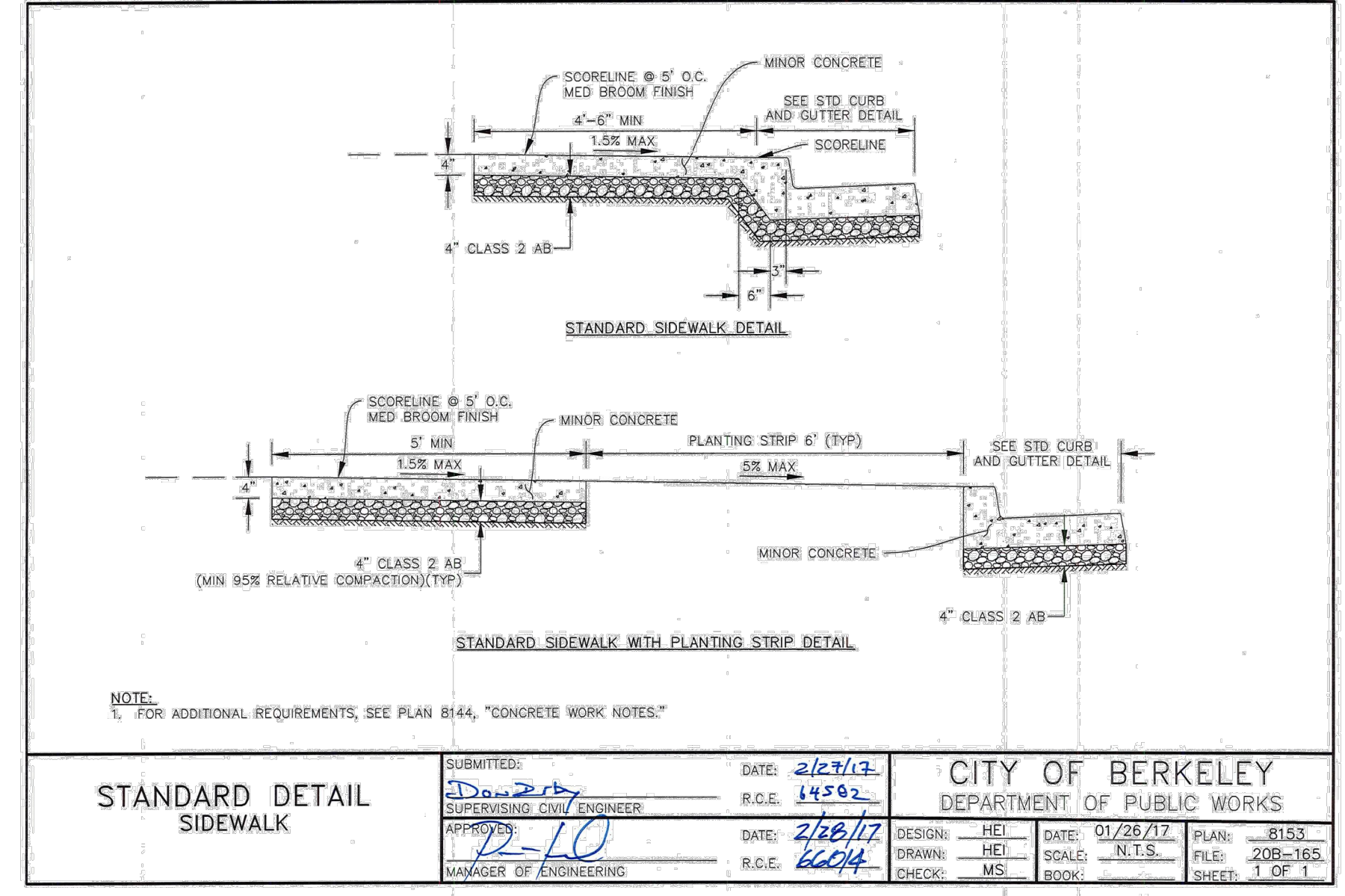
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STANDARD DETAIL**  
CATCH BASIN WITH CURB INLET

SUBMITTED: *D. Z. P.* DATE: 1/9/17  
SUPERVISING CIVIL ENGINEER R.C.E. 64582

APPROVED: *P. J. O.* DATE: 10/11/17  
MANAGER OF ENGINEERING R.C.E. 66014

DESIGN: DA DATE: 10/17 PLAN: 8166  
DRAWN: JP SCALE: N.T.S. FILE: 208-105  
CHECK: MS BOOK: SHEET: 1 OF 1



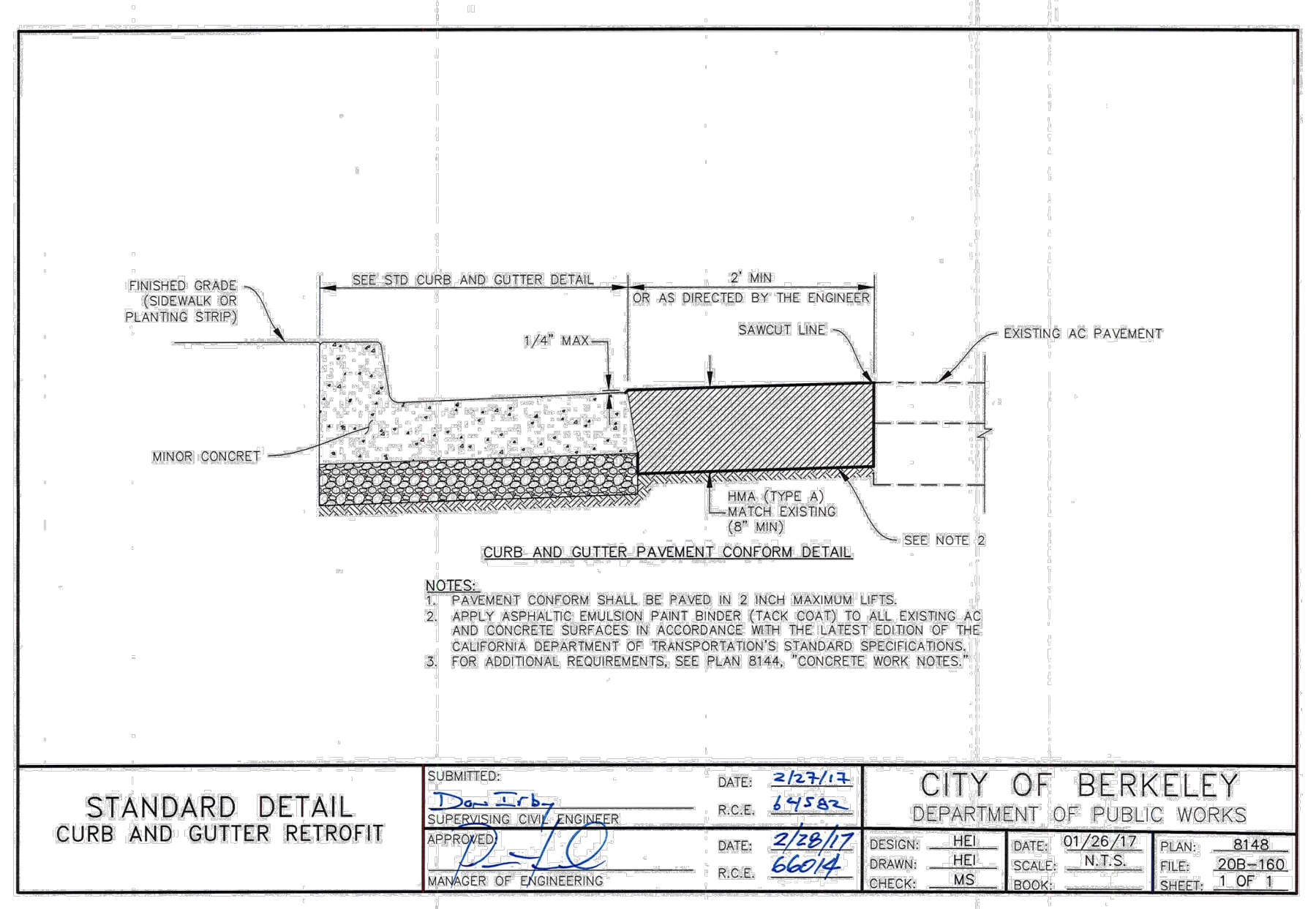
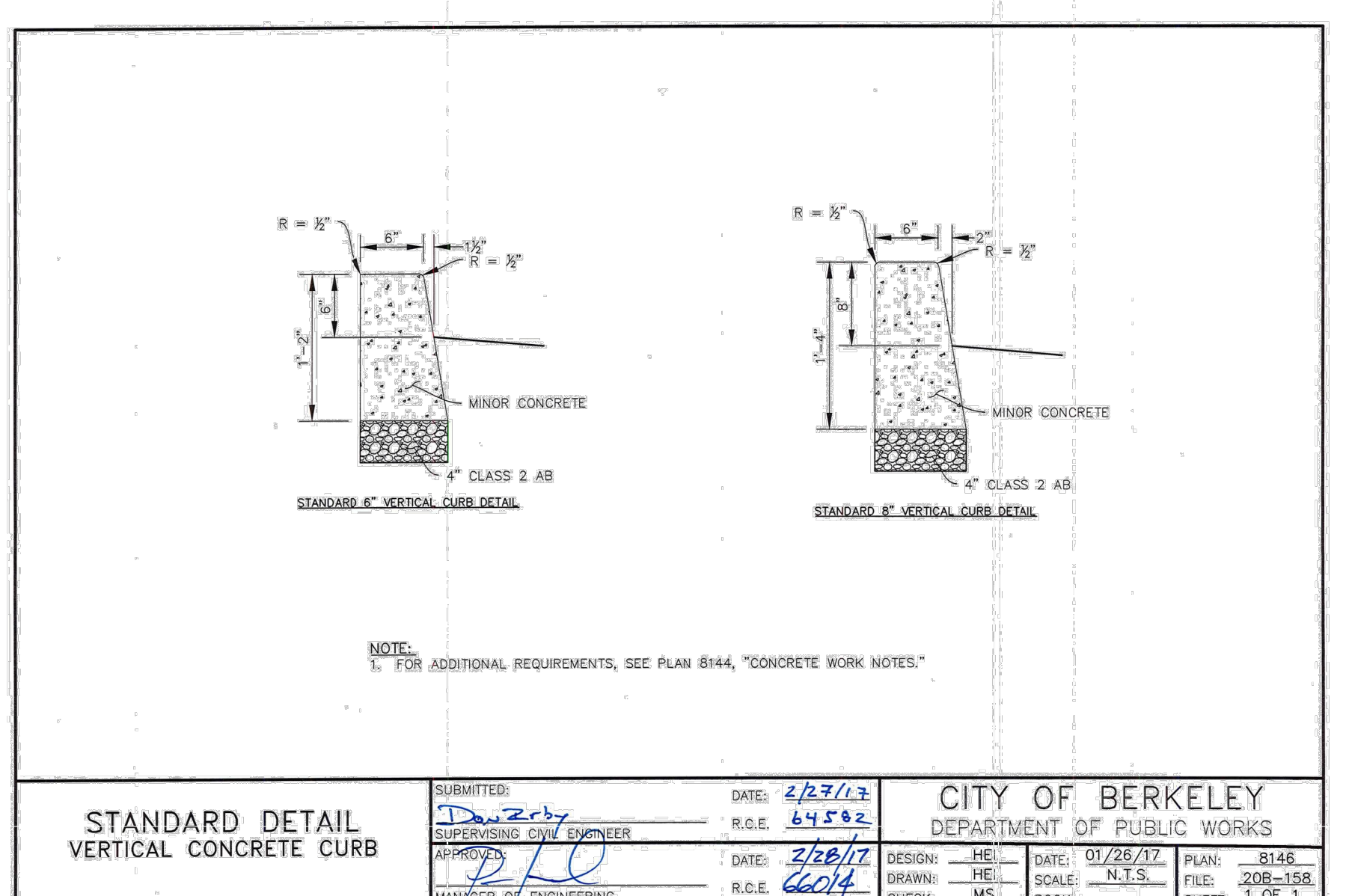
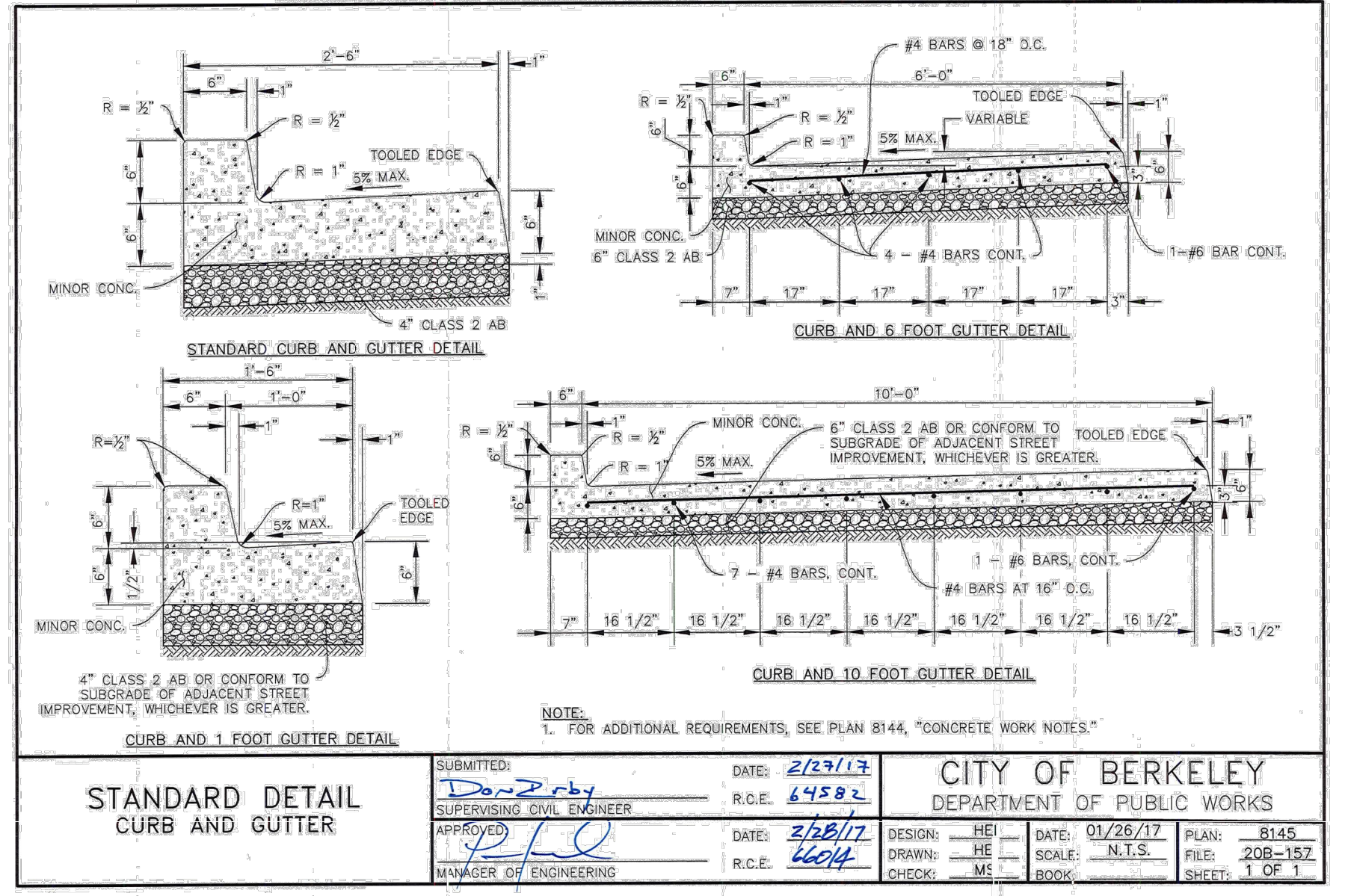
**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STANDARD DETAIL**  
CURB AND GUTTER RETROFIT

SUBMITTED: *D. Z. P.* DATE: 2/27/17  
SUPERVISING CIVIL ENGINEER R.C.E. 64582

APPROVED: *P. J. O.* DATE: 2/28/17  
MANAGER OF ENGINEERING R.C.E. 66014

DESIGN: HEI DATE: 01/26/17 PLAN: 8148  
DRAWN: HEI SCALE: N.T.S. FILE: 208-158  
CHECK: MS BOOK: SHEET: 1 OF 1

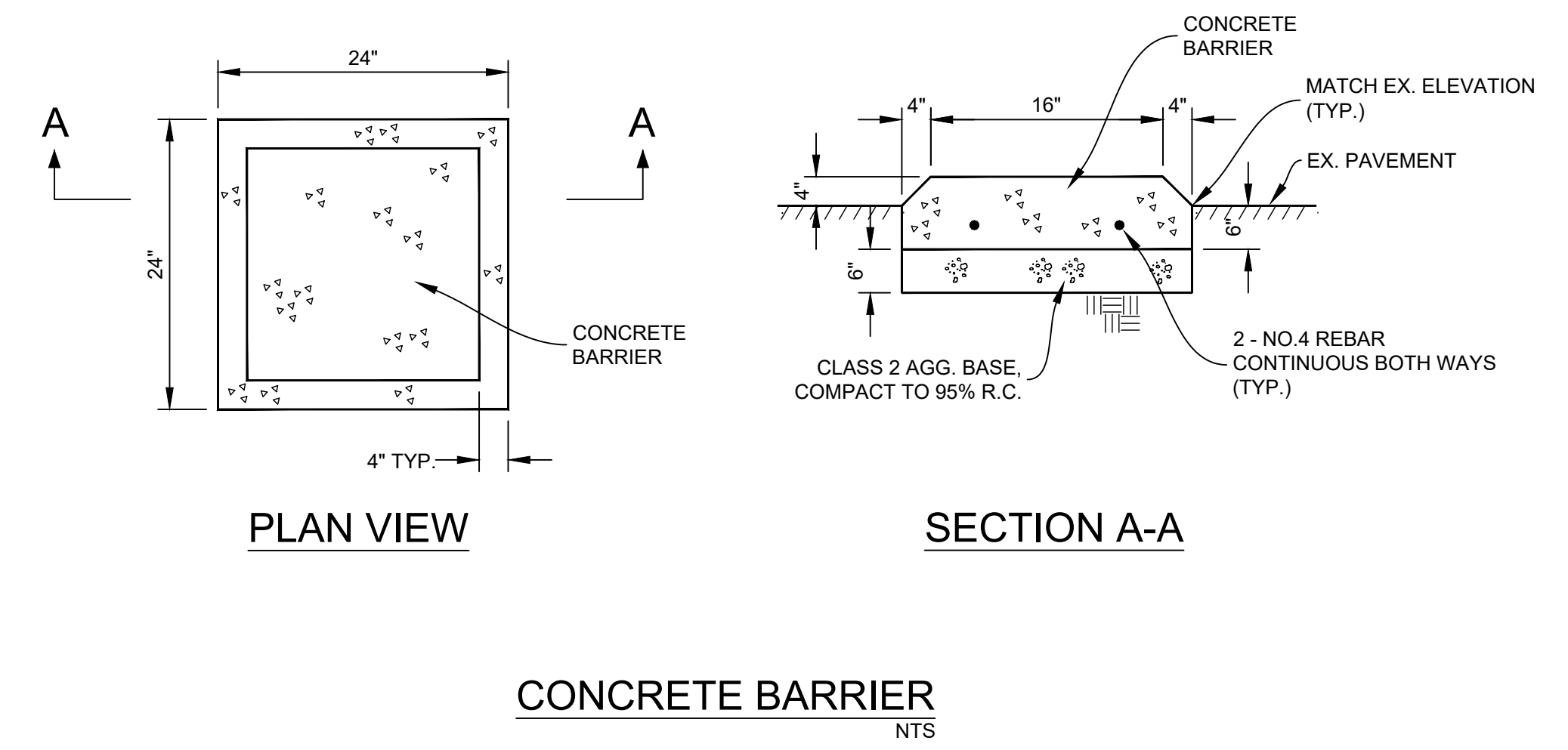
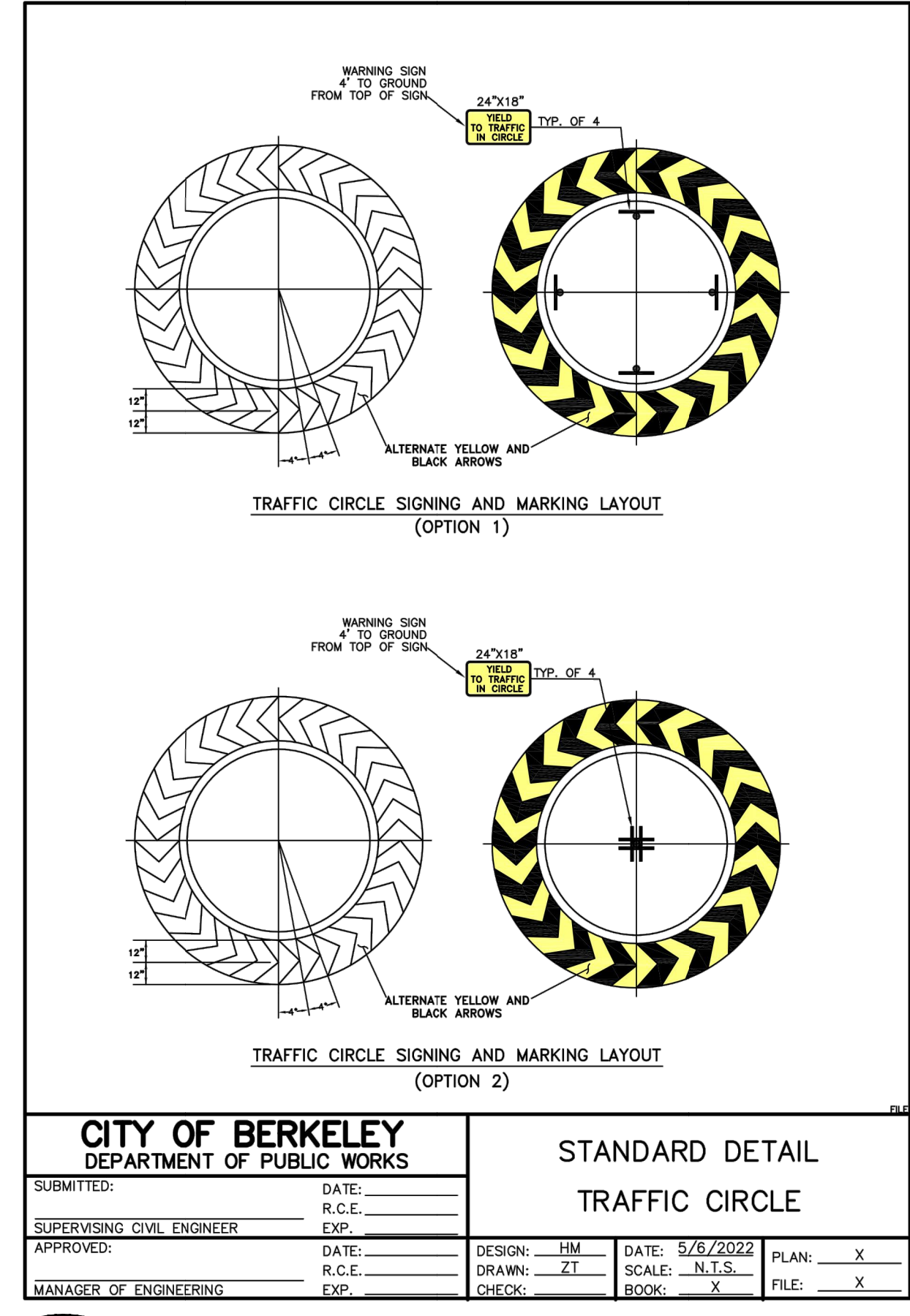
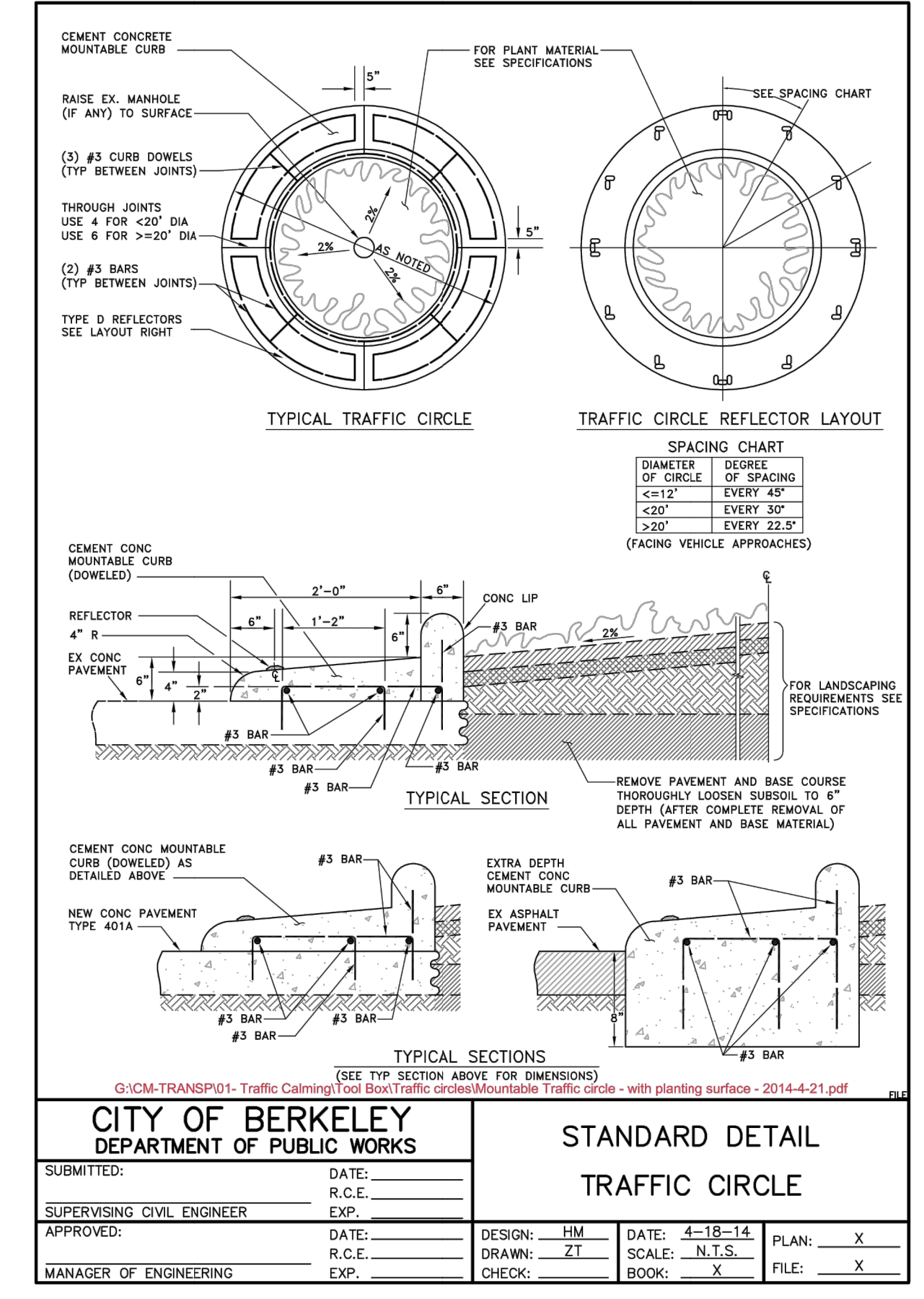
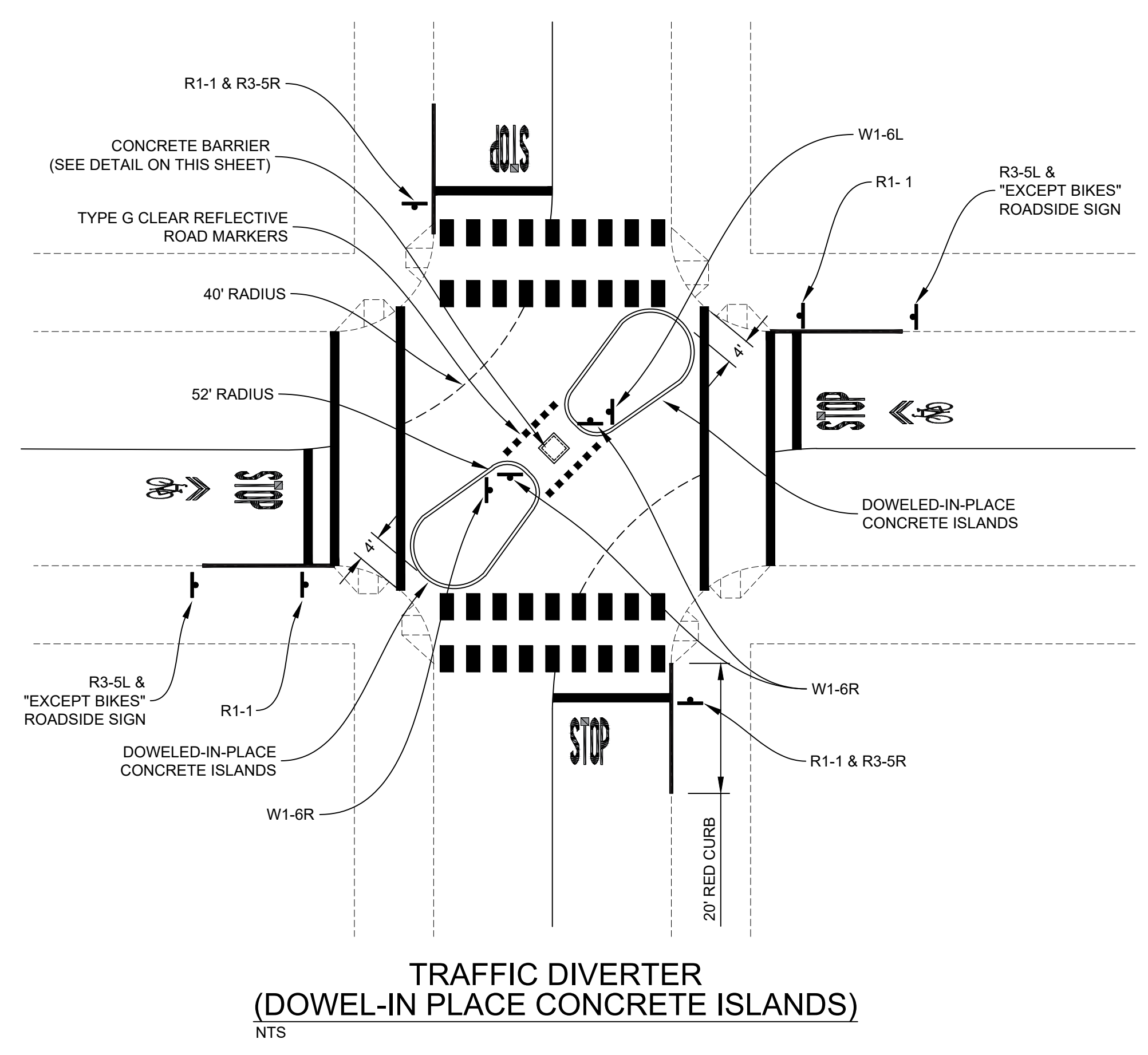
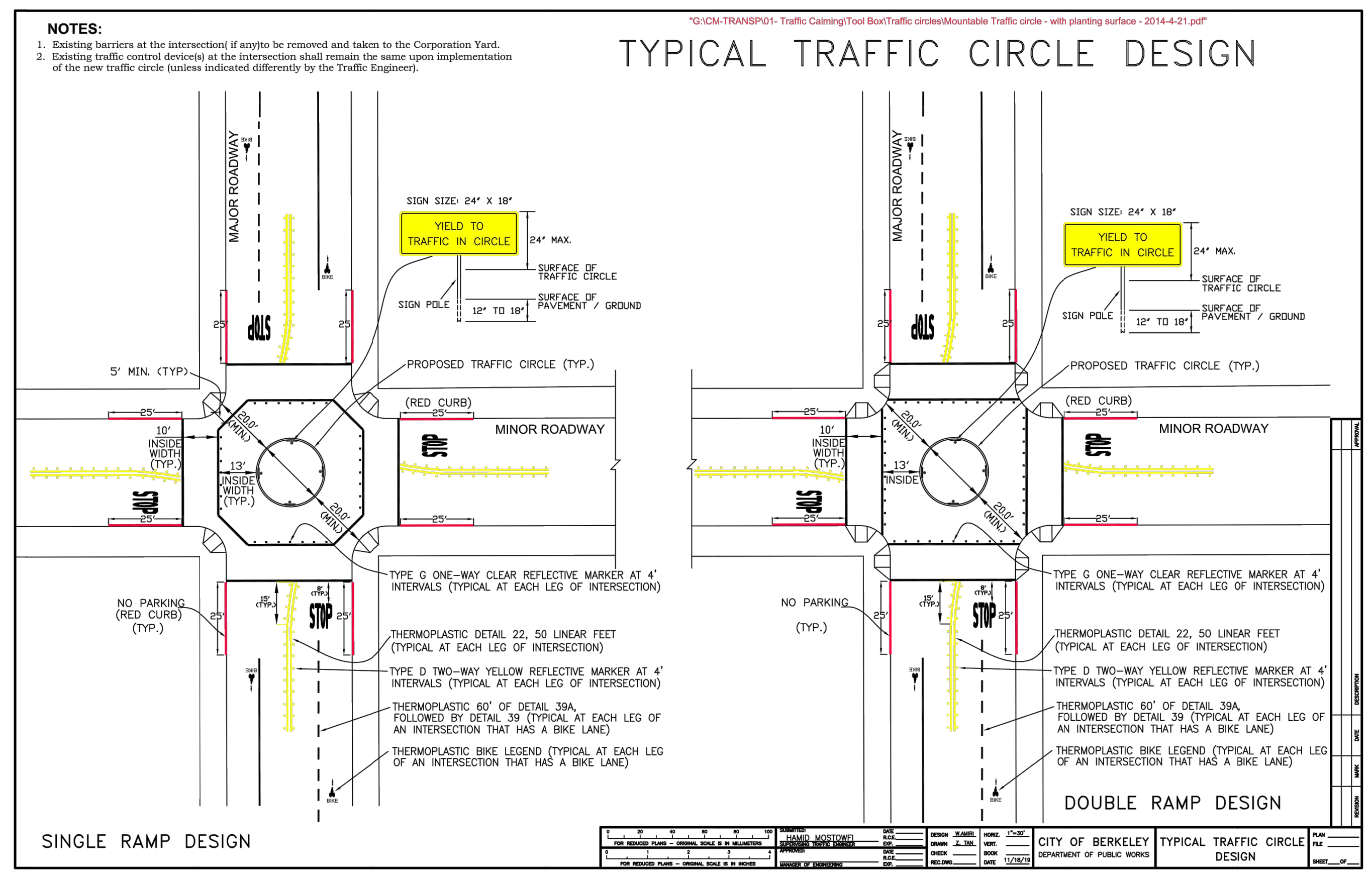


**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
CONSTRUCTION DETAILS

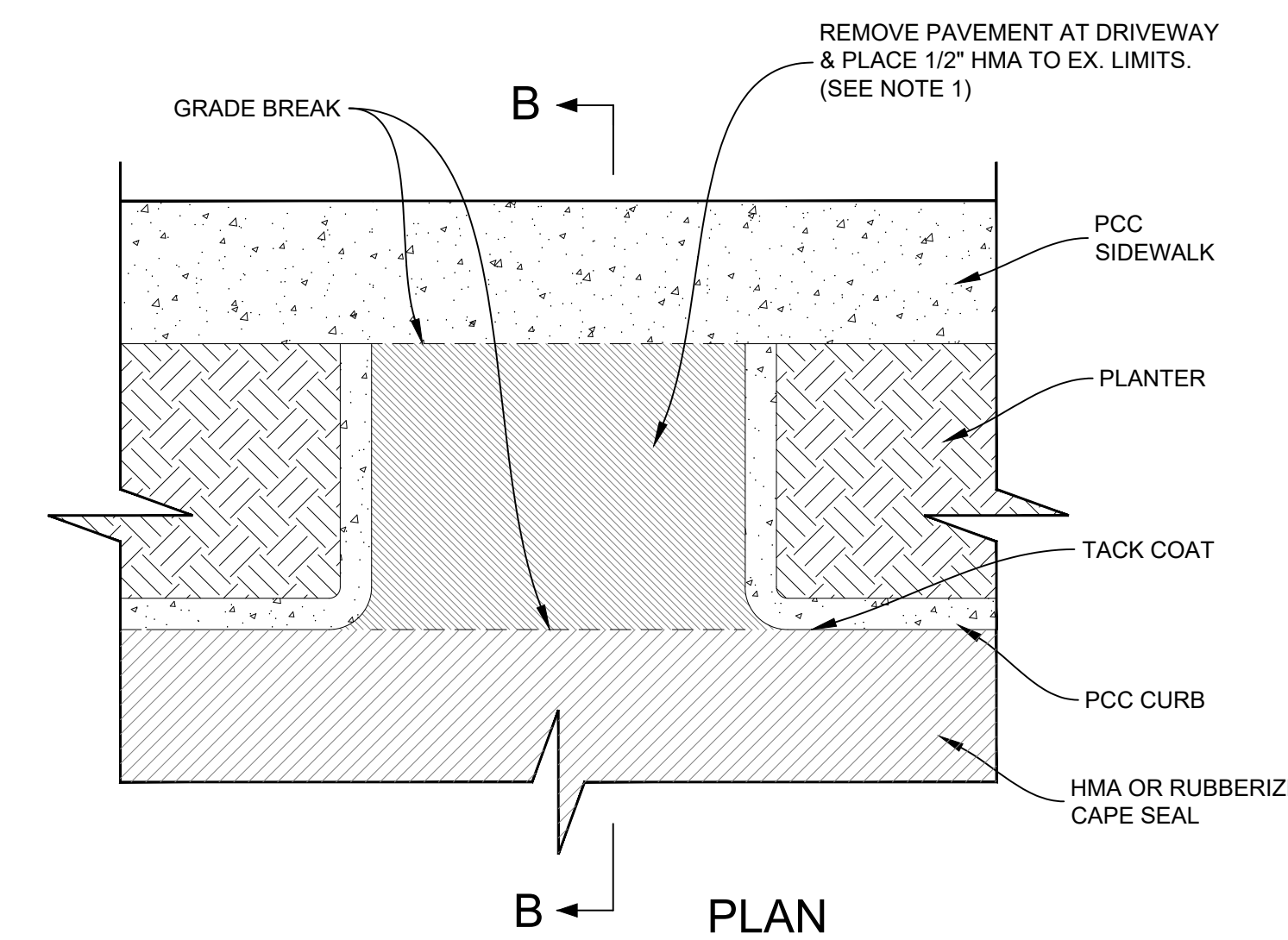
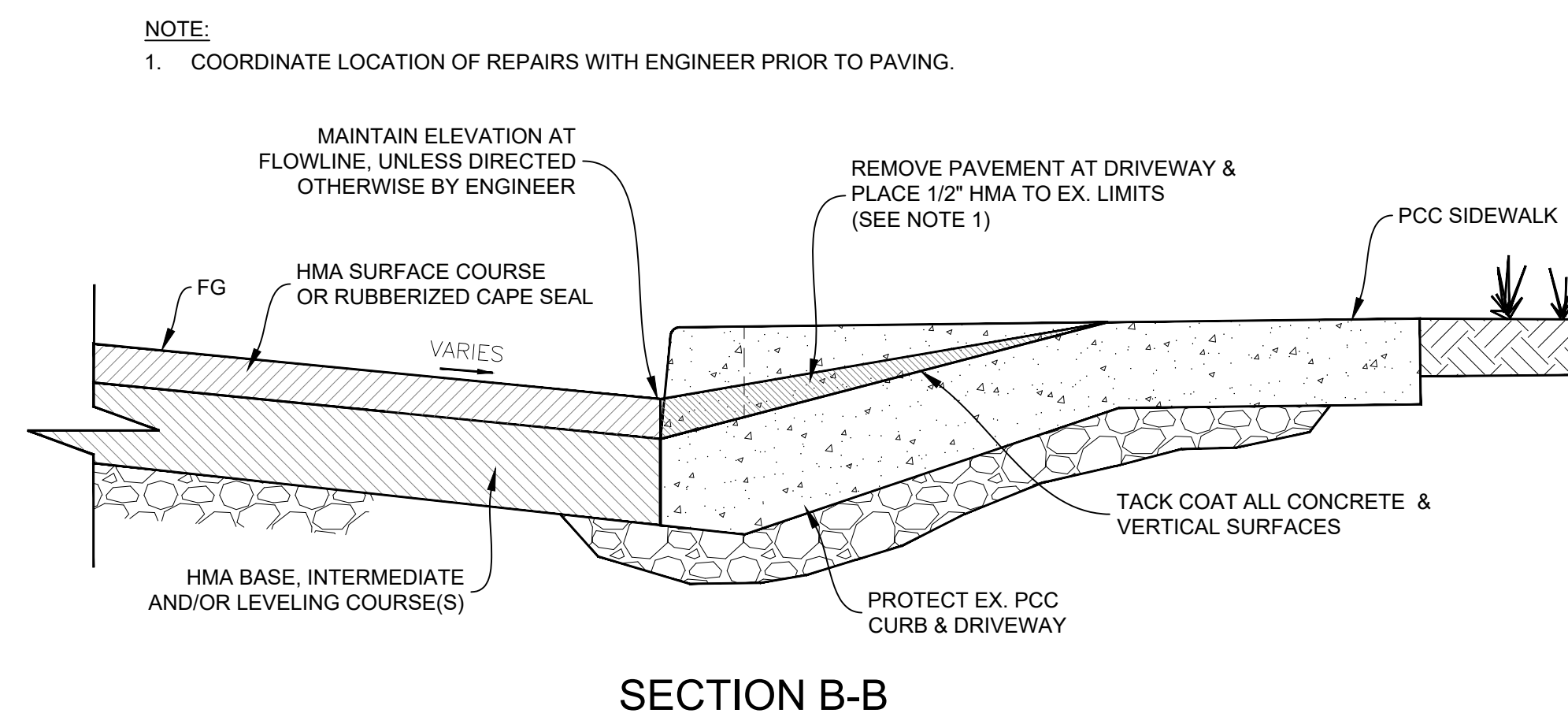
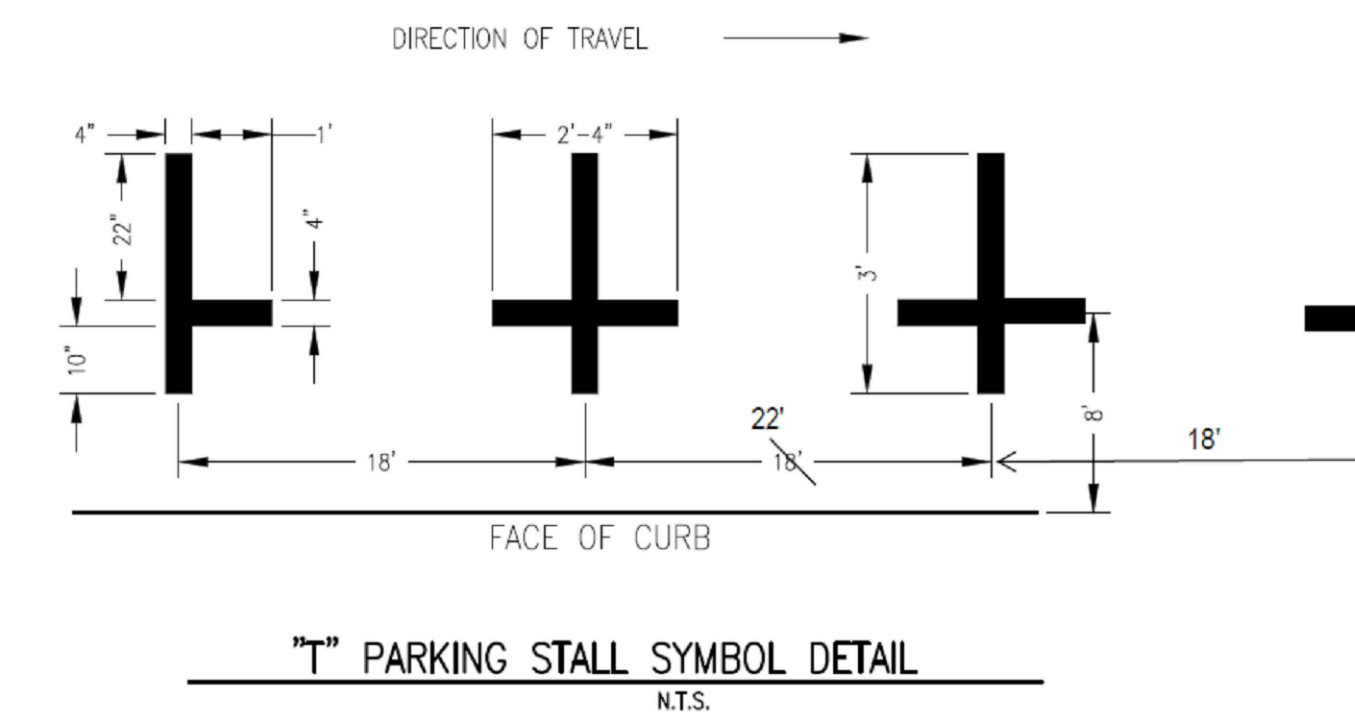
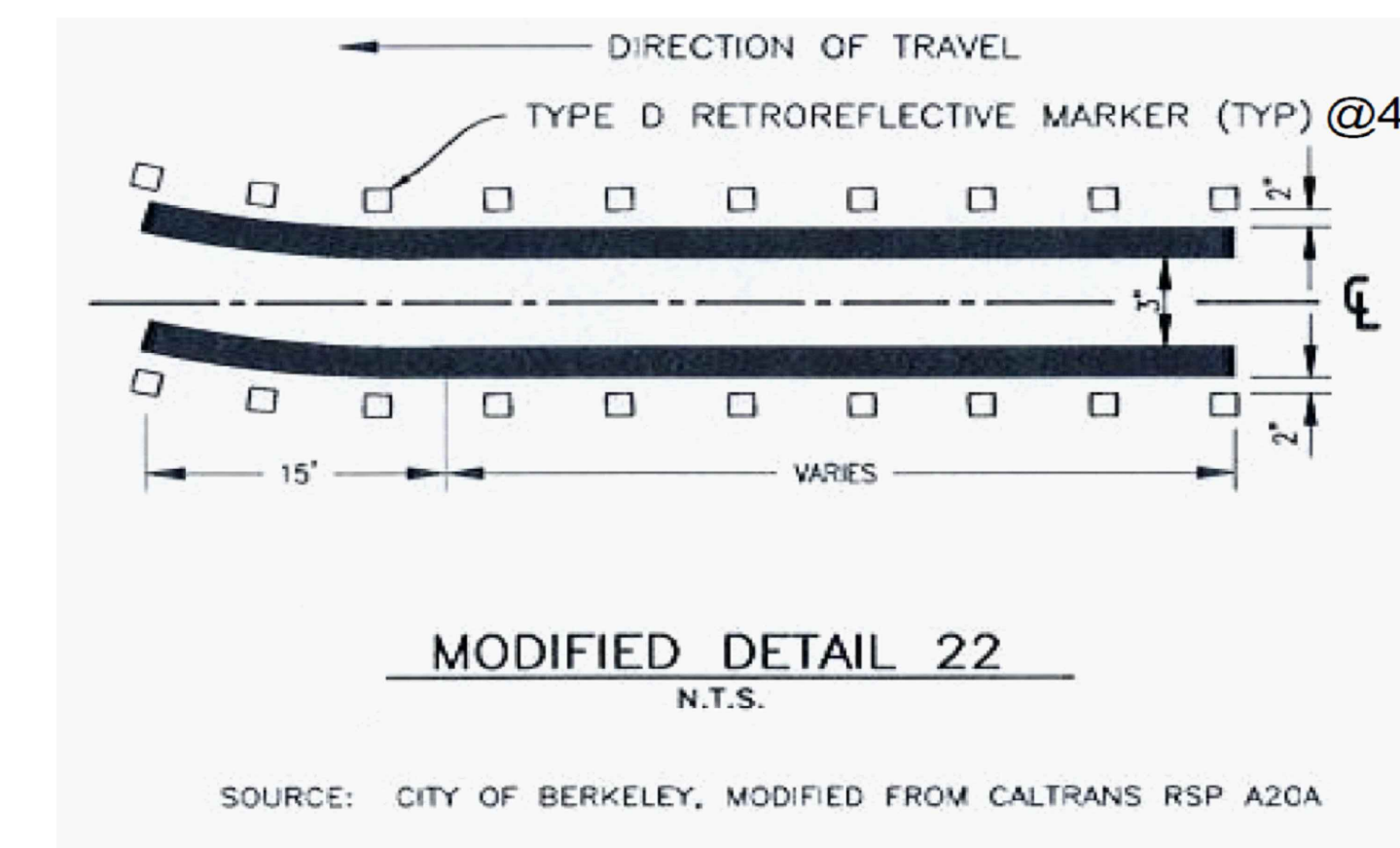
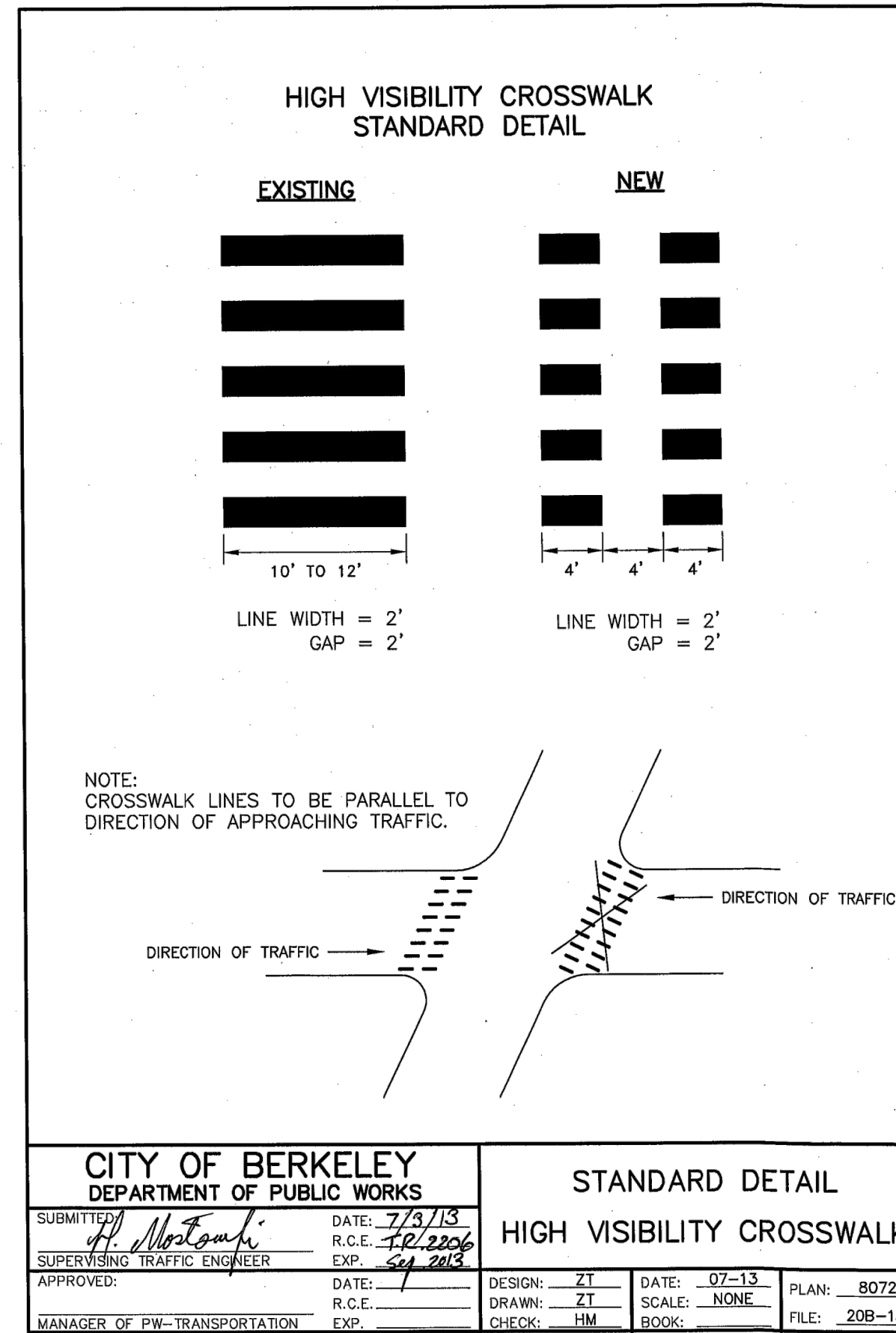
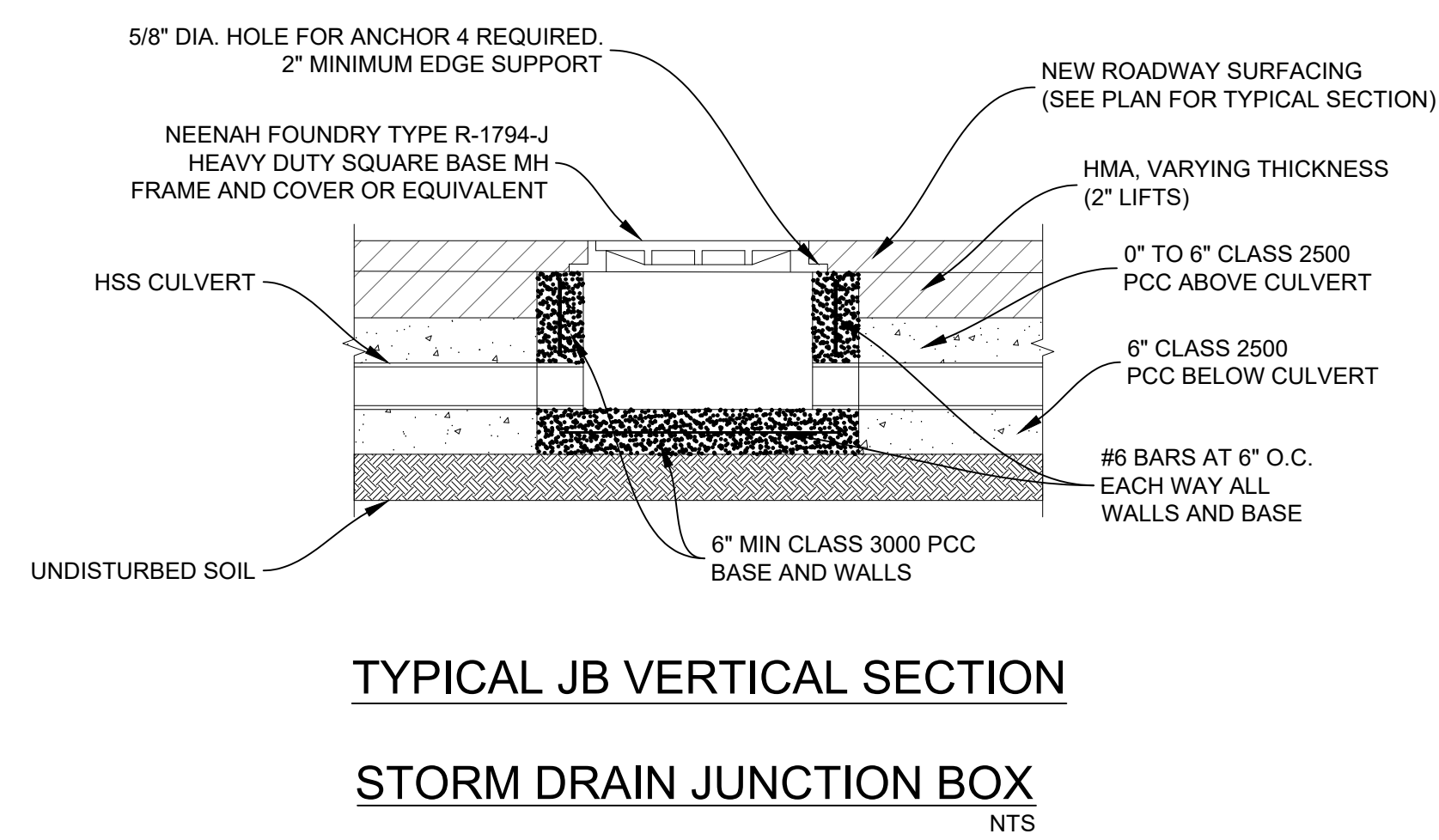
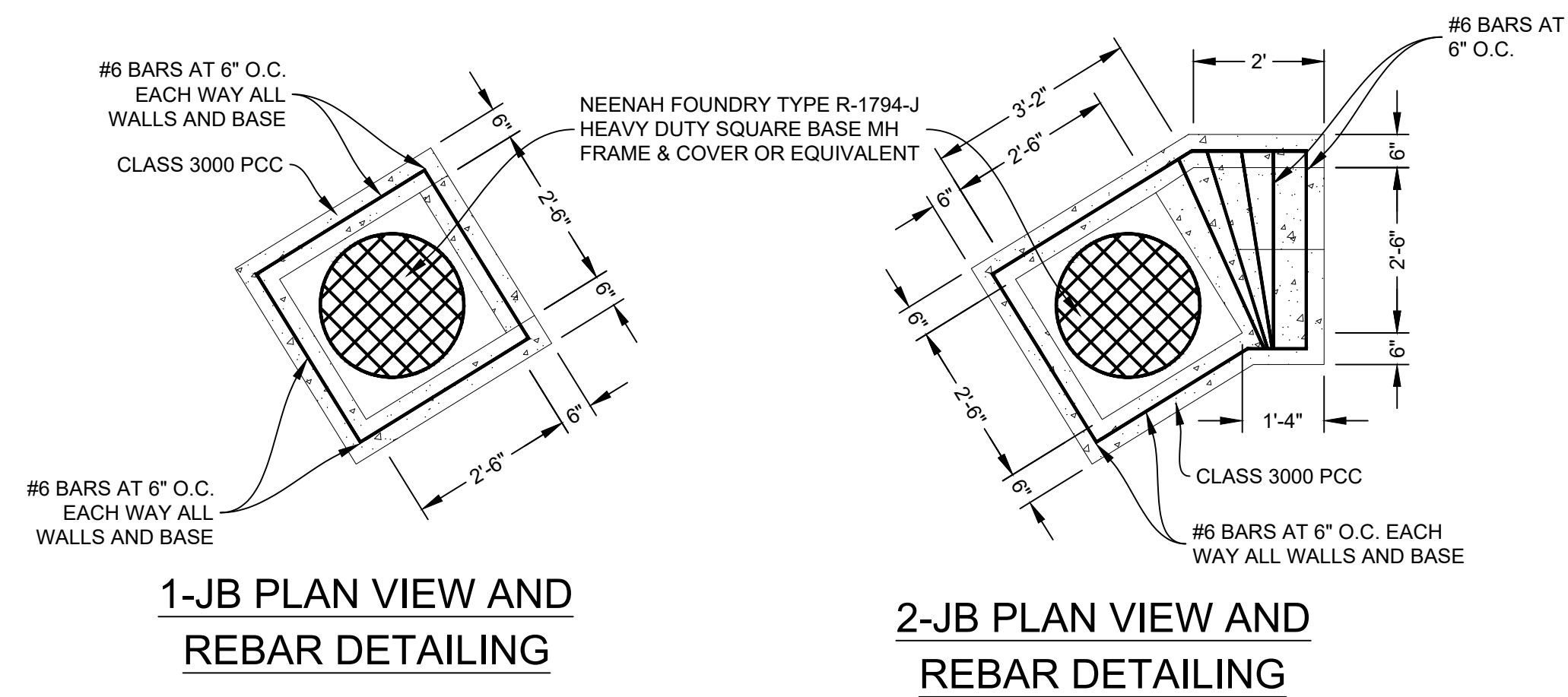
PLAN: 8284  
FILE: 501-641  
SHEET: 61 OF 63

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



PROJECT MANAGER:	DATE	DEPICTION OF MONUMENTS:	DATE	SUBMITTED:	DATE	DESIGN	AB	HORIZ.	N/A	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	STREET REHABILITATION FY 2024 CONSTRUCTION DETAILS	PLAN	8284
SURVEY CHIEF OF PARTY:		WATERSHED REVIEW:	DATE	SUPERVISING CIVIL ENGINEER:	EXP.	DRAWN	AB	VERT.	N/A			FILE	501-641
CITY ENGINEER:				APPROVED:	DATE	CHECK	Value	BOOK				REVISION	
				CITY ENGINEER:	EXP.	AS BUILT		DATE	4-29-24			MARK	
												REVISION	

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	



PROJECT MANAGER: _____	DATE: _____	DEPICTION OF MONUMENTS: _____	DATE: _____	SUBMITTED: _____	DATE: _____	DESIGN: AB	HORIZ.: N/A
SURVEY CHIEF OF PARTY: _____	DATE: _____	WATERSHED REVIEW: _____	DATE: _____	SUPERVISING CIVIL ENGINEER: _____	DATE: _____	DRAWN: AB	VERT.: N/A
CITY ENGINEER: _____	DATE: _____		DATE: _____	APPROVED: _____	DATE: _____	CHECK: Value	BOOK: _____
				CITY ENGINEER: _____	DATE: _____	AS BUILT: _____	DATE: 4-29-24

**CITY OF BERKELEY**  
DEPARTMENT OF PUBLIC WORKS

**STREET REHABILITATION FY 2024**  
CONSTRUCTION DETAILS

PLAN: 8284
FILE: 501-641
SHEET 63 OF 63

APPROVAL
DESCRIPTION
DATE
MARK
REVISION