

CITY OF HARRISON CLARE COUNTY, MICHIGAN

2ND STREET PARKING LOT

AUGUST 2024

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REVISION:

CITY OF HARRISON
CLARE COUNTY, MICHIGAN
2ND STREET PARKING LOT
COVER SHEET

DESIGN TEAM: PROJ MGR: NRT
DESIGNED BY: NRT
DRAWN BY: NRT
CHECK BY: SMB 7/29/24
DRAWING INFORMATION:
866510_CO01 COVER
081524 nate.torrey



Know what's below.
Call before you dig.

AUGUST 15, 2024

FAV PROJECT NO.
866510

G-001

REVISION:

CITY OF HARRISON
CLARE COUNTY, MICHIGAN
2ND STREET PARKING LOT
EXISTING CONDITIONS AND REMOVALS PLAN

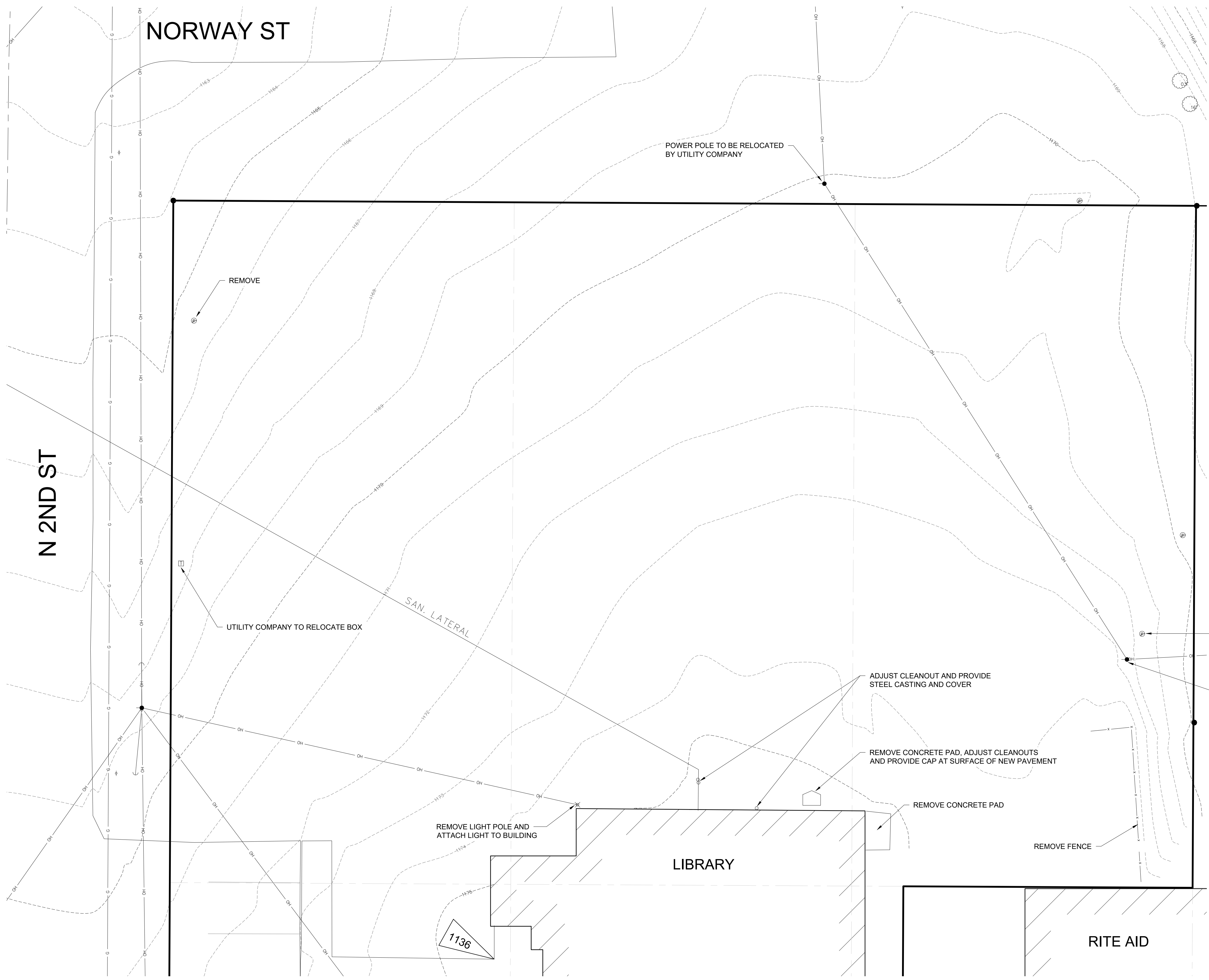
DESIGN TEAM: PROJ MGR: NRT
DESIGNED BY: NRT
DRAWN BY: NRT
CHECK BY: SMB 7/29/24
DRAWING INFORMATION:
866510_C101_EX
081524 nate.torrey

AUGUST 15, 2024
P&V PROJECT NO.
866510

EXISTING FEATURES LEGEND

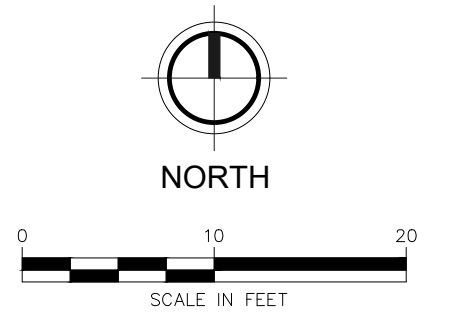
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TREE (DECIDUOUS)		GUY POLE
	BUSH		GUY ANCHOR
	TREE (CONIFEROUS)		PED CROSSING SIGNAL
	DEAD TREE		YARD LIGHT
	STUMP		SIGN
	MANHOLE		MAILBOX
	SANITARY CLEANOUT		POST
	RD. CATCH BASIN		FOUND CONC. MONUMENT
	SQ. CATCH BASIN		FOUND IRON ROD
	CULVERT END		SET IRON ROD
	FIRE HYDRANT		SURVEY CONTROL POINT
	WATER VALVE		BENCHMARK
	CURB STOP & BOX		SECTION CORNER
	WELL	BOUNDARY LINE	
	WATER MANHOLE		PROPERTY LINE
	WATER METER		WATERMAIN
	SOIL BORING		SANITARY SEWER
	MONITORING WELL		STORM SEWER
	GAS VALVE		CULVERT (21" AND UNDER)
	GAS RISER		CULVERT (24" AND UP)
	CABLE BOX		CABLE T.V.
	TELEPHONE RISER		TELEPHONE
	TELEPHONE MANHOLE		ELECTRIC
	TELEPHONE HANDHOLE		GAS
	ELECTRICAL RISER		OVERHEAD LINES
	ELECTRICAL MANHOLE		GUARDRAIL
	ELECTRICAL HANDHOLE		FENCE
	POWER POLE		WOODLINE
	LIGHT POLE		BUSH/HEDGE ROW

NOTE: ALL ITEMS LISTED ON THE LEGEND MAY NOT BE PRESENT ON DRAWING.



BM #1136 EL. 1175.59'
N INSIDE CORNER CONC WALK @ LIBRARY
ENTRANCE
(NAVD88 VIA VRS & GPS OBSV)

BM #1112 EL. 1161.72'
SW UPPER FLANGE BOLT HYD @ NW QUAD 2ND
& NORWAY
(NAVD88 VIA VRS & GPS OBSV)



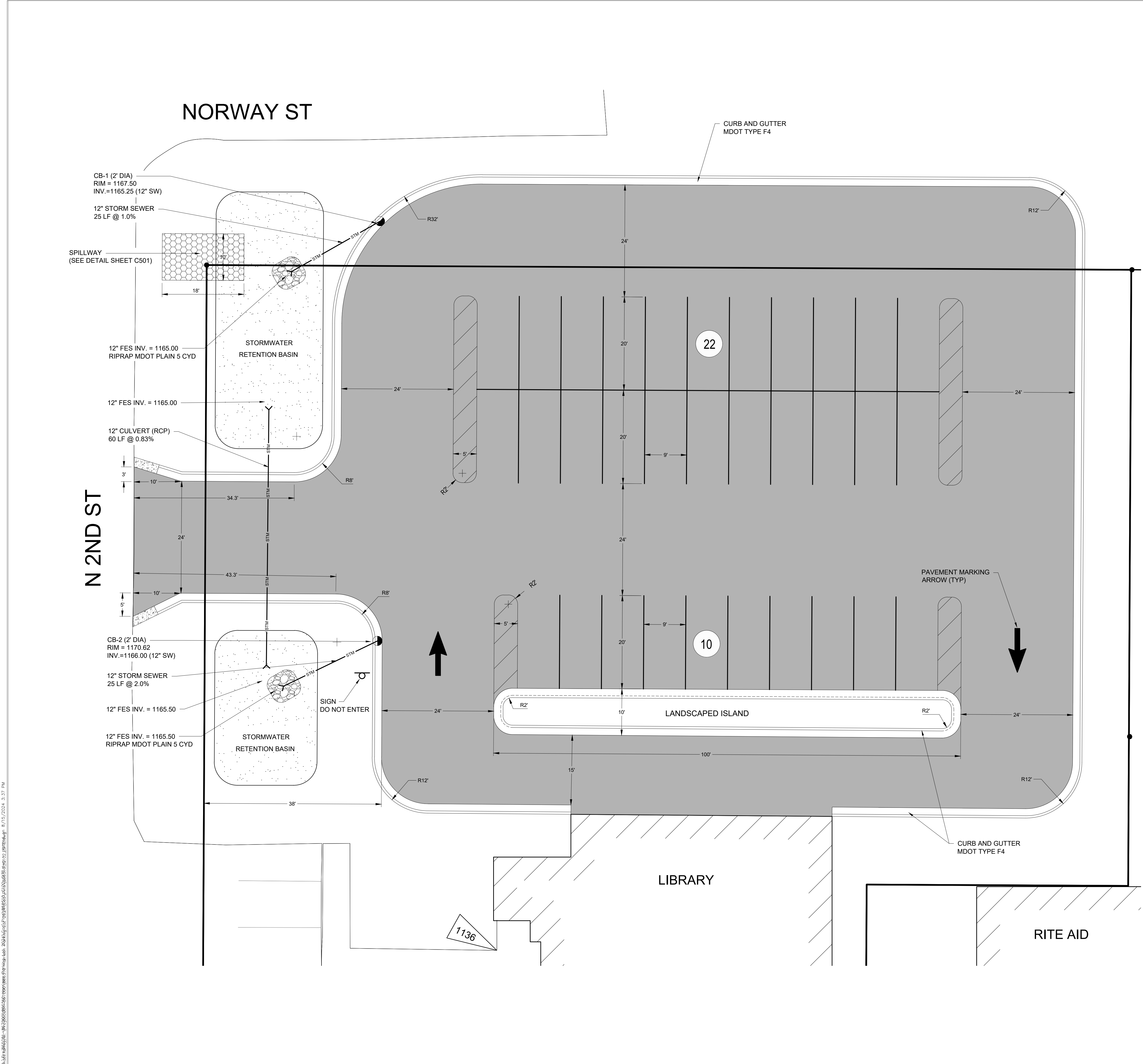
M:\Projects\866510-867000\866510_Harrison_Parking_Lot_2024\CityPlan\866510_C101_EX.dwg - plotted on 8/15/2024 3:09 PM

REVISION:

CITY OF HARRISON
CLARE COUNTY, MICHIGAN
2ND STREET PARKING LOT
SITE LAYOUT AND UTILITY PLAN

PROJ. MGR: NRT
DESIGNED BY: NRT
DRAWN BY: NRT
CHECK BY: SMB 7/29/24
DRAWING INFORMATION:
866510_C102_SITE
081524 mste.torrey

AUGUST 15, 2024
F&V PROJECT NO.
866510



NOTES:

1. THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK THE CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL SITE RELATED PERMITS. CONTRACTOR IS REQUIRED TO COMPLETE THE APPLICATION AND SUBMIT NECESSARY DRAWINGS, FEES, ETC. TO THE APPROPRIATE JURISDICTION. CONTRACTOR SHALL PAY ALL FEES RELATED TO PERMIT(S) AND SECURE PERMIT(S) IN HIS NAME. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF EXISTING WATER, SANITARY SEWER, AND STORM SEWER CROSSINGS AND CONNECTION POINTS PRIOR TO CONSTRUCTION. CONTACT ENGINEER WITH ANY DISCREPANCIES.
4. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL SITE UTILITY CONNECTIONS AND INSPECTIONS WITH THE PROPER JURISDICTION AND PAY ALL ASSOCIATED FEES.
5. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY ENGINEER.
6. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
7. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.
8. THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
10. THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS.
11. THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING DESIGN AND OPERATIONS, AS REQUIRED, TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEWATERING OPERATIONS AND GROUNDWATER DISPOSAL.
12. THE CONTRACTOR IS REQUIRED TO REVIEW THE REFERENCED GEOTECHNICAL DOCUMENTS PRIOR TO CONSTRUCTION. THESE DOCUMENTS SHALL BE CONSIDERED A PART OF THE PLAN SET.
13. THE CONTRACTOR IS REQUIRED TO PREPARE SUBGRADE SOILS BENEATH ALL PROPOSED IMPROVEMENTS AND BACKFILL ALL EXCAVATIONS IN ACCORDANCE WITH RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER OF RECORD.
14. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL OPEN EXCAVATIONS ARE PERFORMED AND PROTECTED IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS.

DETENTION BASIN SEEDING:

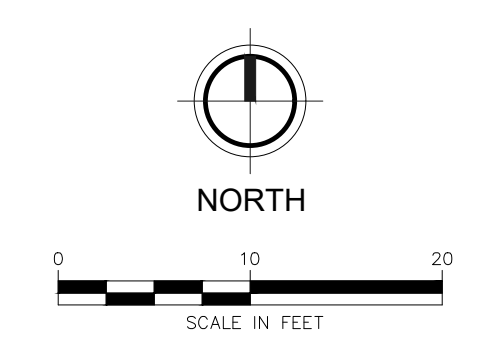
1. STORMWATER RETENTION BASIN SEEDING SHALL BE MICHIGAN WILDFLOWER FARM - DETENTION BASIN MIX.
2. ALL OTHER DISTURBED AREAS SEE PROJECT SPECIFICATIONS.

PROPOSED LAYOUT LEGEND:

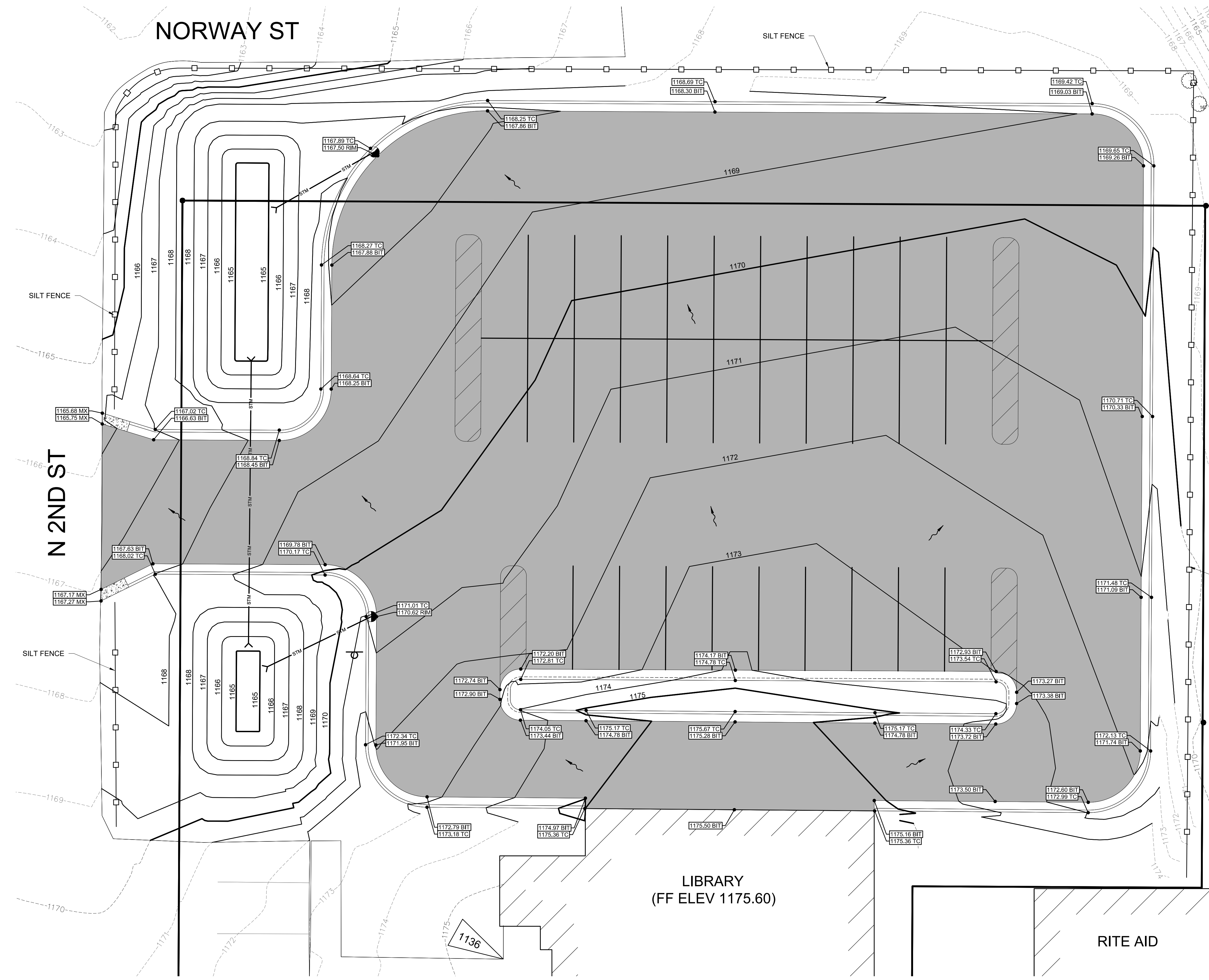
- ASPHALT
- RETENTION BASIN
- RETENTION BASIN SPILLWAY
- PAVEMENT CURB
- PAVEMENT CURB - MODIFIED
- DUB DOWN CURB
- STORM SEWER

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ENTRANCE
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BM #1112 EL. 1161.72'
SW UPPER FLANGE BOLT HYD @ NW QUAD 2ND
& NORWAY
(NAVD88 VIA VRS & GPS OBSV)



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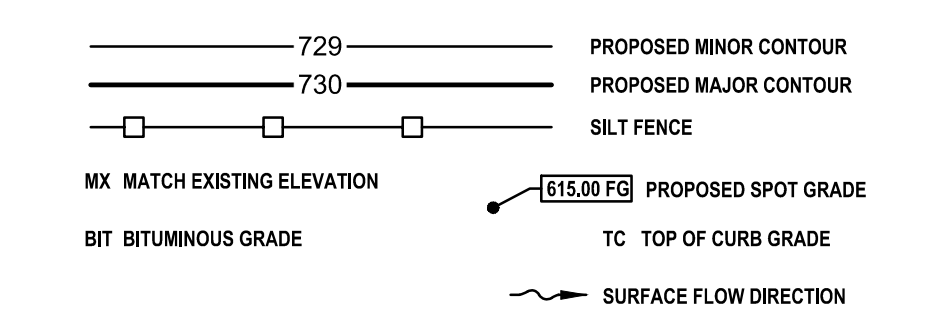
NOTES:

1. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
3. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

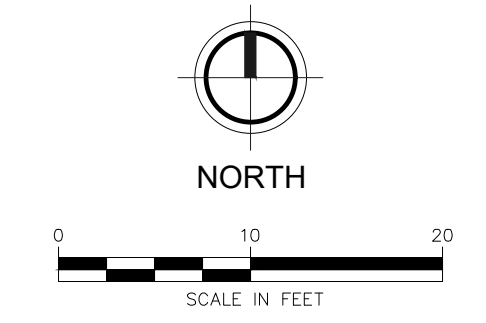
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE SOIL EROSION PERMIT FROM THE PROPER GOVERNING AUTHORITY.
2. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.
3. A CONTRACTOR / INSPECTOR SHALL INSPECT THE SOIL EROSION/SEDIMENT CONTROL DEVICES ONCE EACH WEEK AND/OR WITHIN 24 HOURS OF A PRECIPITATION EVENT WHICH RESULTS IN A STORM DISCHARGE FROM THE SITE.
4. ALL DISTURBED NON-PAVEMENT AREAS MUST BE RESTORED WITH TOPSOIL, SEED, FERTILIZER, AND MULCH UNLESS SODDED.
5. ALL SLOPES STEEPER THAN 1V:3H SHALL USE AN EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S150BN OR EQUAL). ALL SLOPES BETWEEN 1V:4H AND 1V:3H SHALL USE AN EROSION CONTROL BLANKET (NORTH AMERICAN GREEN DS75 OR EQUAL), UNLESS INDICATED OTHERWISE ON PLANS.
6. SEEDING SHOULD BE PREPARED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR / INSPECTOR SHALL INSPECT THE AREA AFTER SEEDING IS COMPLETED. AREAS THAT ARE BARE OR NOT MULCHED PROPERLY WILL NEED TO BE SPOT SEEDING AND/OR RE-MULCHED.
7. SILT FENCE SHOULD BE TRENCHED IN, BACKFILLED, AND STAPLED OR STAKED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. MAINTENANCE INCLUDES THE REMOVAL OF BUILT-UP SEDIMENT WHEN THE SEDIMENT ACCUMULATES TO 10 TO 12 THE HEIGHT OF THE FENCE. CONTRACTOR SHALL REMOVE, REPLACE, RETRENCH, OR REBACKFILL THE FENCE IF IT FAILS. CONTRACTOR SHALL REINSTALL IF ANY PORTION OF THE FENCING IS DAMAGED BY CONSTRUCTION MACHINERY.
8. INLET FILTERS SHALL BE SILT SACKS, DANDY BAGS, OR APPROVED EQUAL. INLET FILTERS SHALL BE INSPECTED FOR BUILDUP OF SILT AND OTHER DEBRIS. THIS IS EVIDENT IF STRUCTURE IS CAUSING FLOODING. MAINTENANCE SHALL CONSIST OF REMOVING OF SEDIMENTS OR REPLACING FILTER AS NECESSARY.
9. SOIL EROSION CONTROL METHODS SHOWN ARE A GUIDELINE AND DO NOT RELIEVE THE CONTRACTOR FROM ADDITIONAL METHODS THAT MAY BE REQUIRED BY THE SOIL EROSION CONTROL PERMIT.
10. DETENTION BASIN(S) SHALL BE ONE OF THE FIRST ITEMS CONSTRUCTED AND SHALL BE USED AS A TEMPORARY SEDIMENTATION BASIN UNTIL THE SITE IS STABILIZED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL ACCUMULATED SEDIMENT AND RESTORATION OF THE BASIN PRIOR TO ACCEPTANCE BY THE OWNER.
11. THE CONTRACTOR WILL ENGAGE A CERTIFIED STORM WATER OPERATOR IN ACCORDANCE WITH EPA PHASE II RULES TO MEET REQUIREMENTS OF THE PERMIT. THIS OPERATOR WILL INSPECT THE JOB SITE AS REQUIRED BY RULE. NOTIFY JOB SITE SUPERINTENDENT OF ANY DEFICIENCIES, AND ENTER FINDINGS IN THE JOB SITE INSPECTION JOB BOOK.

PROPOSED GRADING LEGEND



BM #1136 EL. 1175.59'
N INSIDE CORNER CONC WALK @ LIBRARY
ENTRANCE
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BM #1112 EL. 1161.72'
SW UPPER FLANGE BOLT HYD @ NW QUAD 2ND
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